ANNUAL REPORT 2010-11

(PERIOD APRIL 2010 TO MARCH 2011)

KRISHI VIGYAN KENDRA, THE NILGIRIS

PART I - GENERAL INFORMATION ABOUT THE KVK

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

KVK Address	Telephone		E mail	Web Address
	Office	Fax		
United Planters' Association of Southern India (UPASI), - Krishi Vigyan Kendra, Post Box No.11, Glenview, Coonoor – 643 101, The Nilgiris Tamil Nadu	0423-2230772, 2221972	0423-2232030	0ty_kvkvnr@sancharnet.in upasikvk@rediffmail.com	www.upasikvk.org

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

Address	Telephone		E mail	Web Address
	Office	Fax		
United Planters' Association of Southern India (UPASI), Post Box No.11, Glenview, Coonoor – 643 101, The Nilgiris Tamil Nadu	0423-2230270	0423-2232030	upasi@upasi.org	www.upasi.org

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr.P.Kumaravadivelu	0423-2221972	9842441500	oty_kvkvnr@sancharnet.in

1.4. Year of sanction: 1982

1.5. Staff Position (as 31st March 2011)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1.	Programme Coordinator	Dr.P.Kumaravadivelu	Programme Coordinator	M	Plant Protection	Ph.D	15600-775-18700-925-23325-1150-29075-1375-35950-1725-44575	27925.00	3.5.2008	Permanent	BC
2.	SMS	Mr.G.Ramamoorthy	SMS (Agrl.Engg)	M	Agrl.engg.	M.Phil	15600-775-18700-925-23325-1150-29075-1375-35950-1725-44575	35950.00	13.6.1983	Permanent	MBC
3.	SMS	Dr.R.Shanmugam	SMS (Agrl.Extn.)	M	Agrl.Extn.	Ph.D	10400-500-12400-600-15400-750-19150-950-23900-1175-29775	17650.00	1.6.1995	Permanent	BC
4.	SMS	Mrs.M.Suguna	SMS (Hort.)	F	Horticulture	M.Sc (Horti)	10400-500-12400-600-15400-750-19150-950-23900-1175-29775	16150.00	1.6.1995	Permanent	MBC
5.	SMS	Mrs. T.Geetha	SMS (Home Science)	F	Home Science (Extn.)	M.Sc	10400-500-12400-600-15400-750-19150-950-23900-1175-29775	11900.00	06.07.2009	Permanent	BC
6.	SMS	Vacant	SMS (Soil Science)	-	-	-	-	-	-	-	-
7.	SMS	Vacant	SMS (Agronomy)	-	-	-	-	-	-	-	-
8.	Programme Assistant(Lab Tech.)	Mrs. Deepthi Kaviraj	PA Lab Technician	F	Bio chemistry	M.Sc DMLT	7800-375-9300-450-11550-575-14425-700-17925-875-22300	8175.00	09.07.2009	Permanent	OBC
9.	Programme Assistant (Computer)/	Mr. A.Gunasekara Perumal	PA (Computer Programming)	M	Computer Programming	MCA	7800-375-9300-450-11550-575-14425-700-17925-875-22300	8175.00	06.07.2009	Permanent	MBC
10.	Programme Assistant/ Farm Manager	Mr. M.Mohan	PA (Farm Manager)	M	Farm Manager	B.Sc (Horti)	7800-375-9300-450-11550-575-14425-700-17925-875-22300	7800.00	06.07.2009	Permanent	OBC
11.	Superintendent	Mr.T.Jayakumar	Superintendent cum Accountant	M	Banking & Insurance	M.Com	7800-375-9300-450-11550-575-14425-700-17925-875-22300	8550.00	01.08.2007	Permanent	SC
12.	Jr. Stenographer	Mr.A.Nicholas	Jr.Stenographer	M	-	SSLC	2250-110-3020-150-4220-200-5620-275-7545	6170	01.04.1983	Permanent	OBC
13.	Driver	Vacant	-	-	-	-	-	-	-	-	-
14.	Driver	Mr.B.John Robert	Driver	M	-	8th STD	2250-110-3020-150-4220-200-5620-275-7545	3115.00	01.08.2005	Permanent	OBC
15.	Supporting staff	Mrs. H.Elizebath	Tailoring Instructress	F	-	SSLC	2250-110-3020-150-4220-200-5620-275-7545	2690.00	15.11.2008	Permanent	OBC
16.	Supporting staff	Mr.M.Joseph Fernandes	Attendar	M	-	+2	2250-110-3020-150-4220-200-5620-275-7545	3505.00	02.11.2009	Permanent	OBC

1.6. Total land with KVK (in ha) : 22.43 ha

S. No.	Item	Area (ha)
1	Under Buildings	1609 m^2
2.	Under Demonstration Units	1128 m^2
3.	Under Crops	10.44 ha
4.	Orchard/Agro-forestry	1.78 ha
5.	Others	9.94 ha

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	UPASI & ICAR	1983	136	6.00	-	-	-
2.	Farmers Hostel		1983,1995	335	2.50	-	-	-
3.	Staff Quarters		1988	390.90	3.43	-	-	-
	1	-				-	-	-
	2	-				-	-	-
	3	-				-	-	-
	4	-				-	-	-
4.	Demonstration Units	-	-	-	-	-	-	-
	2 Alstromeria	Revolving fund	June 2009	0.05 acre	Available resource	June 2009	-	-
	3 Herbal garden	Revolving fund	2002	0.05 acre	Available resource	2002	-	-
	4 Rosemary	Revolving fund	2007	0.20 acre	1000/-	2009	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
TN43-0916 TRAX CRUISER	2004	4.70 lakhs	144076	Running condition
Bike -Honda Shine 125cc TN43C3582	2009	49494.00	8124	Running condition
Bike - Honda Shine 125cc TN43C3583	2009	49494.00	7799	Running condition

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Godrej Refrigerator	1985	7180.00	Good
BPL TV & VCR	1997	29250.00	Good
Liberty kinderman Novoscope250 Overhead Projector	2000	18600	Good
Exhibition Auto focus 540 slide Projector with cordless remote control	2000	9650	Good
Vinitech UPS	2000	25000	Not working
Ahuja Cassettes Recorder cum Ampliplier VCR60	2000	6235	Good
Panel Board 3'x5' size	2000	5000	Good
Plastic chairs (Nilkamal) (Nos.)	2001	10000	Good
Seimens Machine (Computer) (ICAR)	2001	-	Good
Lexmark Printer (ICAR)	2001	-	Good
Computer Wipro Voyager MW 310 system (three)	2001	140250	Good
Chalk Mg.writing Board Glossy 8'x4'	2002	5603.00	Good
Chalk Mg.writing Board Glossy 6'x4'	2002	4279.00	Good
Panasonic LCD Projector	2003	150000	Good
DIM-set 3'x2' double sided felt Board 4 Nos and 5 supporting stands with carry case	2004	8450	Good
Photocopier	2005	72500	Good
14" Steel cash box	2005	1200	Good
Lux Meter	2005	3150	Good
Sewing machine 5 Nos	1986	8638	Good
Sewing machine 3 Nos	2005	9600	Good
Knitting machine 5 Nos	2002	22500	Good
Knitting machine 2 Nos	2006	7000	Good
Knitting machine 2 Nos	2007	10200	Good
LCD Projector	2007	56250	Good
Colour Laser Printer	2007	24440	Good
Laser Fax machine	2009	13000	Good
Godrej Executive high back chair – 1 No	2010	11524	Good
Godrej Executive visitors chair – 3 Nos	2010	18720	Good
Godrej Economy executive chair – 3 Nos	2010	19329	Good
Sofa set 3seater+Two single seaters	2010	20750	Good
Glass Centre table – 1 No	2010	3450	Good
Office table wooden – 1 No	2010	7590	Good
Computer table 4/ 1 ½ – 1No	2010	3800	Good
Executive High back chair – 3 Nos	2010	12300	Good
Computer table 2/1 ½ - 1 No	2010	1600	Good
Diana Chair – 5 Nos	2010	13000	Good
Chair with cushion -50 Nos	2010	79500	Good
Steel cupboard with locker – 1 No	2010	5200	Good
Power tiller	2010	135870	Good
Generator	2010	99320	Good
Digital Camera	2010	22575	Good
EPABX system	2010	48110	Good

1.8. Details SAC meeting conducted in 2010-11

Sl.No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
1.	16.7.2010	20	9	Suggestion to prepare micronutrient tonic for tea	FLD has been taken up on micro nutrient spray
				Suggestion to conduct impact studies of QUP activities	Impact studies on QUP are taken up
				Use of fish oil instead of yellow sticky trap to control whitefly in French beans	Will be taken up
				To concentrate more on value addition of agricultural product in addition to garment making in Home Science department	OFT/FLD have been taken up
				Technology assessment among different varieties of Potato for control of late blight disease	FLD has been taken up
				Suggestion to use of ammonium sulphate along with organic compost to solve rubberisation in garlic	Will be taken up
				Suggestion to utilize vacant polyhouses for vegetable seed production in collaboration with department of horticulture in the district.	Evaluation of exotic vegetable lettuce in vacant polyhouses has been taken up under OFT

PART II - DETAILS OF DISTRICT

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1.	Tea based cropping system Vegetable cultivation Cut flower production Medicinal plants etc.,

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

S. No	Agro-climatic Zone	Characteristics
1.	Hilly zone	Hilly ranges and medium rainfall

S. No	Agro ecological situation	Characteristics
1	Western Ghats, humid-sub humid eco-region	Growing period is throughout the year

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Red loam, Lateritic soil, Black soil, Red clayey soil, Major soil type is lateritic soil	Lateritic soil – Al and Fe oxide abundant. Acidic nature – 18 series	254380

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

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
1	Tea	56132	140330	2.5
2	Coffee	7320	4875	0.7
3	Potato	1539	34769	22.6
4	Cabbage	1544	99300	64.3
5	Carrot	3235	92171	28.5
6	Flower crops	60	960 lakhs flowers	16 lakhs flowers /ha
7	Beans	685	7713	11.3
8	Peas	200	1741	8.7
9	Beetroot	152	3593	23.6
10	Radish	115	2681	23.3
11	Wheat	8	32	4.0
12	Cauliflower	5	120	24.1

* Source: Horticulture Research Station, Ooty

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)	
		Maximum	Minimum	08.30 hrs	14.30 Hrs
April 2010	36.5	25.8	16.6	67	58
May	170.2	25.0	16.8	72	76
June	79.3	23.2	16.2	78	79
July	151.8	21.9	15.6	82	81
August	76.9	22.0	15.5	80	83
September	166.7	21.9	14.9	82	84
October	217.3	21.6	14.5	82	88
November	499.3	19.2	14.1	90	90
December	188.5	19.9	12.0	75	84
January 2011	30.2	22.6	14.5	98	100
February	195.7	23.0	14.9	98	92
March	16.7	24.3	16.2	84	83
Total	**1829.1**	**22.5***	**15.2***	**82***	**83***

*** Mean** **(Source – TRF, Coonoor)**

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

Category	Population	Production	Productivity
Cattle	48875	-	-
Crossbreed	37295	-	-
Indigenous	11580	-	-
Buffalo	2542	-	-
Sheep	3671	-	-
Crossbreed	-	-	-
Indigenous	-	-	-
Goats	20785	-	-
Pigs	375	-	-
Crossbreed	-	-	-
Indigenous	-	-	-
Rabbits	226	-	-
Poultry	90493	-	-

(Source – Government Veterinary Farm, Ooty)

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

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

2.7 District profile has been prepared and submitted Yes / No:

2.8 Details of Operational area / Villages

Sl. No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Ooty	Ooty	Ebbanad	10	Tea	Red spider damage and crop loss	Mite control in tea using Neem seed kernel extract.
2	Ooty	Ooty	Ooty Kallakorai Ithalar	10	Vegetables	Yield & quality of exotic vegetable cultivation, Brussels sprouts is low.	Introduction of drip & fertigation system to improve yield and quality of Brussels sprouts.

				7	Vegetables	Heavy Root knot nematode infestation in carrot fields causing serious yield loss.	Management of carrot root knot nematode
				7	Tea	Soil acidity Poor nutrient uptake Crop loss	Demonstration on application of Dolomite in tea for soil amendments.
3	Coonoor	Coonoor	Kateri	10	Woolen knitting	The available garments in the market is costly. Hand knitting is time consuming	Introduction of woolen knitting machine in villages
4	Kotagiri	Kotagiri	Onnatti	12	Carnation	High incidence of Fusarium wilt disease	Carnation – Fusarium wilt management.
5	Ooty	Ooty	Doddabetta	6	Rosemary	Reduction in yield and quality of Rosemary due to insufficient organic inputs	Incorporation of different organic inputs to increase yield and quality.
6	Ooty	Ooty	Perar Mynalai Kunthachappai Sogathorai	15	Tea	Non availability of workers is a major problem to do pruning. Low yield and poor quality	Mechanical pruning
8	Ooty	Ooty	T.Manihatty Perar	7	Tea	Low yield in the existing varity.	Introduction of high yielding variety TRF-1 tea clone
						Labour scarcity and crop loss	Use of mechanical harvester in tea overcome labour shortage.
9	Ooty	Ooty	Mynalai	15	Tea	Knife harvesting injured the plucking points and causes low yield and poor quality	Different Plucking method in tea – Knife versus shear.
10	Ooty Coonoor	Ooty Coonoor	Madithorai Sogathorai	12	Tea	Labour scarcity, high cost of plucking	Introduction of hand operated shears to harvest green leaf.
11	Coonoor	Coonoor	Bengorm	5	Rosemary	Lack of suitable alternate crop for drought areas in Nilgiris. Lack of knowledge on commercial exploitation of suitable medicinal plant Rosemary Ooty -1 variety for drought prone regions.	Popularizing herbal plant Rosemary Ooty – 1 variety (*Rosmarinus offcinalis)*

12	Ooty	Ooty	Kengamudi	6	Tea	Soil erosion and crop loss due to manual weeding.	Demonstration on integrated weed management in young tea.
13	Ooty	Ooty	Ooty	6	Rabbit rearing	Lack of technical knowledge in rearing rabbit.	Popularising rabbit rearing techniques.
14	Ooty	Ooty	Nanjanadu	16	Vegetables	Low yield due to pest problems. Lack of knowledge on residual effects in Cauliflower.	Integrated Pest management in Cauliflower.
15	Coonoor	Coonoor	Mount Pleasant Bengorm	15	Floriculture	Farmers not aware of open cultivated flowers	Introduction of open cultivated flowers.
16	Coonoor	Coonoor	Katery	10	Crida preservator	Post harvest loss of fruits and vegetables during storage and transportation.	Popularization of crida preservator for post harvest management of vegetables.
17	Coonoor	Coonoor	Katery	10	Value addition of garlic	Low market value of garlic during harvesting.	Post harvest management of garlic
18	Farmers will be selected during April 2011				Cabbage	Low yield in the conventional method	Demonstration on crop management in Cabbage.
19	Coonoor	Coonoor	Katery	10	Value addition of market rejected potatoes	Low market value of green potatoes	Demonstration on production of value added products from market rejected potatoes.
20	Ooty	Ooty	Perar	12	Potato	Soil erosion in vegetable terrace	Planting tea in raiser under vegetable cultivation to conserve soil and water
21	Ooty Coonoor	Ooty Coonoor	Ithalar Highfield	10	Rosemary	• No income till tea gets established upto 3 years. • Soil erosion and water loss • Weed growth is more	Intercrop with Rosemary, Thyme & Geranium in new tea clearing area.

2.9 Priority thrust areas

S. No	Crop/Enterprise	Thrust area
1	Tea	➢ Red spider mite management in tea using Neem seed kernel extract. ➢ Popularizing machine harvester in tea ➢ Demonstration on application of Dolomite in tea for soil amendments.

S. No	Crop/Enterprise	Thrust area
		➢ Integrated weed management in young tea. ➢ Replanting with high yielding clones TRF-1. ➢ Mechanization in pruning ➢ Mechanization in Plucking ➢ Different methods of plucking.
2	Vegetables	➢ Brussels sprouts – Introduction of Drip & fertigation system. ➢ Management of Carrot Root- knot nematode. ➢ Integrated Pest management in Cauliflower. ➢ Integrated Nutrient management in Cabbage.
3	Medicinal Plants	➢ Rosemary – Organic cultivation of Rosemary. ➢ Popularizing herbal plant Rosemary Ooty – 1 varitety (*Rosmarinus offcinalis).*
5	Animal Husbandry	➢ Rabbit rearing techniques to rural youth.
6	Floriculture	➢ Carnation, Gerbera, Lilium and Calla lily cultivation. ➢ Pest and disease management in cut flowers. ➢ Open cultivation of cut flowers.
7	Home science	➢ Woolen knitting and handicrafts. ➢ Ready made garments making, human nutrition, drudgery reduction in farm women and value addition of vegetables.

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
8	8	14	15	15	14	98	109

Training				Extension Programmes			
3				4			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
400	470	6500	7109	700	755	4000	4489

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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

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

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
													No	Kg
1	Drip and Fertigation system. (OG)	Brusssles sprouts	Yield & quality of exotic vegetable cultivation, Brussels sprouts is low	Introduction of Drip and Fertigation system to improve the yield and quality of exotic vegetables. (2010-11)	-	1 (25)	1 (20)	-	-	-	-	-	-	-
2	Pest management (OG)	Tea	Red spider damage and crop loss	Mite control in tea using Neem seed kernel extract. (2010-11)	-	4 (72)	1 (15)	-	-	-	-	-	-	-
3	Organic cultivation (OG)	Rosemary	Reduction in yield and quality of Rosemary due to insufficient organic inputs	Organic cultivation of Rosemary in hilly terrains. (2010-11)	-	1 (12)	-	-	-	-	-	-	-	-
4	Open cultivation of flowers. (OG)	Cut flowers		Introduction of open cultivated flowers. (2010-11)	-	-	-	-	-	-	-	-	-	-
5	Plucking methods (C)	Tea	Knife harvesting injured the plucking points and causes low yield and poor quality	Different Plucking method in tea – Knife Vs shear. (2009-10)	-	4 (120)	-	2 (28)	2	-	-	-	-	-

6	Need for introduction of high yielding variety (OG)	Tea	Low yield in the existing variety.	Introduction of high yielding variety TRF-1 tea clone (2009-10)	-	5 (65)	-	-	-	-	-	-	-	-
7	Intercrop with Rosemary, Thyme, Geranium in new tea clearing (C)	Tea	No income in new clearing of tea, soil erosion.	Intercrop with Rosemary & Thyme, Geranium in new tea clearing (2008-09)	-	4 (60)	-	3 (120)	4	-	-	-	-	-
8	Minimizing post harvest loss of garlic (OG)	Garlic	Low market value for smaller size during season	Post harvest management of garlic (2010-11)	-	-	-	-	-	-	-	-	-	-
9	Popularizing herbal plants (OG)	Rosemary	Lack of suitable alternate crop for drought areas in Nilgiris. Lack of knowledge on commercial exploitation of suitable medicinal plant Rosemary Ooty -1 variety for drought prone regions.	-	Popularizing herbal plant Rosemary Ooty – 1 varity (*Rosmarinus offcinalis)* (2010-11)	1 (10)	-	-	-	-	-	-	-	-

10	Dolomite application for soil amendments (OG)	Tea	Soil acidity Poor nutrient uptake Crop loss	-	Demonstration on application of Dolomite in tea for soil amendments. (2010-11)	-	-	-	-	-	-	-	-	-
11	Integrated weed management (OG)	Tea	Soil erosion and crop loss due to manual weeding.	-	Demonstration on integrated weed management in young tea. (2010-11)	-	-	-	-	-	-	-	-	-
12	Nematode management (OG)	Vegetables	Heavy Root knot nematode infestation in carrot fields causing serious yield loss.	-	Management of carrot root knot nematode (2010-11)	-	-	-	-	-	-	-	-	-
13	Rabbit rearing techniques (OG)	Rabbit rearing	Lack of technical knowledge in rearing rabbit.	-	Popularisation of rabbit rearing technology for rural youth to generate additional income (2010-11)	-	-	2 (14)	-	-	-	-	-	-
14	Integrated Pest management (OG)	Vegetables	Low yield due to pest problems. Lack of knowledge on residual effects in Cauliflower.	-	Integrated Pest management in Cauliflower. (2010-11)	-	-	-	-	-	-	-	-	-

15	Post harvest management of vegetables & fruits (OG)	Popularisation of CRIDApreservator	Post harvest loss of fruits and vegetables during transport and storage	-	Popularization of CRIDA preservator for post harvest management of vegetables. (2010-11)	-	-	-	-	-	-	-	-	-
16	Shear harvesting in tea (OG)	Tea	Labour scarcity, high cost of plucking	-	Introduction of hand operated shears to harvest green leaf. (2009-10)	3 (60)	-	1 (25)	6	-	-	-	-	-
17	Crop management (OG)	Cabbage	Reduction in yield	-	Demonstration on crop management in Cabbage. (2010-11)	-	-	-	-	-	-	-	-	-
18	Minimizing post harvest loss of potatoes (OG)	Value addition	Low market value of green potatoes	-	Demonstration on production of value added products from market rejected potatoes. (2010-11)	-	-	-	-	-	-	-	-	-
19	Machine pruning (C)	Tea	Non availability of workers is a major problem to do pruning. Low yield and poor quality	-	Demonstration of Mechanical pruning in tea (2009-10)	3 (65)	2 (50)	3 (75)	12	-	-	-	-	-
20	Machine harvesting in tea (C)	Tea	Labour scarcity and crop loss	-	Use of mechanical harvester in tea (2009-10)	4 (60)	2 (62)	3 (112)	6	-	-	-	-	-

21	Need for introduction of knitting using machines (OG)	Woolen knitting	The available garments in the market is costly. Hand knitting is time consuming	-	Introduction of woolen knitting in villages (2009-10)	3 (60)	-	-	2	-	-	-	-	-
22	Management of soil borne diseases (OG)	Carnation	High disease incidence and reduction in yield	-	Carnation – Fusarium wilt management. (2009-10)	5 (45)	-	-	6	-	-	-	-	-
23	Soil Conservation (OG)	Tea	Soil erosion in raiser	-	Planting tea in raiser under vegetable cultivation to conserve soil and water (2008-09)	5 (120)	2 (43)	3 (65)	2	-	-	-	-	-

3.B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enterprise	No.of programmes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
1	Introduction of Drip and Fertigation system to improve the yield and quality of exotic vegetables.	Horticultural Research Station, Ooty	Brussels sprout	2	-	2	-
2	Mite control in tea using Neem seed kernel extract.	UPASI- Tea Research Foundation, Coonoor	Tea	2	-	5	-
3	Organic cultivation of Rosemary in hilly terrains.	Medicinal Plants Development Authority, Doddabetta	Rosemary	2	-	1	-
4	Introduction of open cultivated flowers.	Horticulture Research Station, OOty	Cut flowers	-	-	-	-
5	Different Plucking method in tea – Knife Vs shear.	UPASI- Tea Research Foundation, Coonoor	Tea	2	-	6	-
6	Introduction of high yielding variety TRF-1 tea clone	UPASI- Tea Research Foundation, Coonoor	Tea	2	-	5	-
7	Intercrop with Rosemary, Thyme, Geranium in new tea clearing	Central soil and water conservation and research institute, Ooty	Tea	2	-	7	-
8	Post harvest management of garlic	TNAU, Coimbatore.	Garlic	-	-	-	-
9	Popularizing herbal plant Rosemary Ooty – 1 variety (*Rosmarinus offcinalis)*	Horticultural Research Station, Ooty	Rosemary	-	2	1	-
10	Demonstration on application of Dolomite in tea for soil amendments.	UPASI- Tea Research Foundation, Coonoor	Tea	-	-	1	-
11	Demonstration on integrated weed management in young tea.	UPASI- Tea Research Foundation, Coonoor	Tea	-	-	2	-
12	Management of carrot root knot nematode	Horticultural Research Station, Ooty	Carrot	-	-	-	-
13	Popularisation of rabbit rearing technology for rural youth to generated additional income	Sheep Breeding Research Station, Sandynallah	Rabbit rearing	-	-	2	-
14	Integrated Pest management in Cauliflower.	Horticultural Research Station, Ooty	Cauliflower	-	-	-	-
15	Popularization of crida preservator for post harvest management of vegetables.	CRIDA, Hyderabad.	Crida preservator	-	-	-	-

S.No	Title of Technology	Source of technology	Crop/enterprise	No.of programmes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
16	Introduction of hand operated shears to harvest green leaf.	UPASI- Tea Research Foundation, Coonoor	Tea	-	2	4	-
17	Demonstration on crop management in Cabbage.	Horticulture Research Station, OOty	Cabbage	-	-	-	-
18	Demonstration on production of value added products from market rejected potatoes.	NIN, Hyderabad.	Value addition	-	-	-	-
19	Demonstration of Mechanical pruning in tea	UPASI- Tea Research Foundation, Coonoor	Tea	-	8	8	-
20	Use of mechanical harvester in tea	UPASI- Tea Research Foundation, Coonoor	Tea		2	9	-
21	Introduction of woolen knitting in villages	Institute of Fashion technology, Bangalore.	Woolen knitting	-	-	30	-
22	Carnation – Fusarium wilt management.	Horticultural Research Station, Ooty	Carnation	-	2	5	-
23	Planting tea in raiser under vegetable cultivation to conserve soil and water	CSWCRTI, Ooty	Tea	-	4	-	-

3.B2 contd..

No. of farmers covered															
OFT				FLD				Training				Others (Specify)			
General		SC/ST		General		SC/ST		General		SC/ST		General		SC/ST	
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
10	5	5	-	-	-	-	-	10	5	10	-	-	-	-	-
8	2	3	2	-	-	-	-	59	7	6	-	-	-	-	-
7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	8	25	5	-	-	-	-	60	10	20	-	-	-	-	-
12	8	-	-	-	-	-	-	39	6	-	-	-	-	-	-
42	16	6	-	-	-	-	-	106	2	8	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	8	2	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	3	2	-	-	-	-	-	-
-	-	-	-	-	-	-	-	8	4	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	11	3	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	32	3	-	-	48	2	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	42	3	15	-	108	2	20	-	-	-	-	-
-	-	-	-	49	4	12	-	119	4	43	3	-	-	-	-
-	-	-	-	-	-	-	-	-	48	-	12	-	-	-	-
-	-	-	-	8	7	-	-	18	6	4	2	-	-	-	-
-	-	-	-	60	8	-	-	28	2	30	-	-	-	-	-

ART IV - On Farm Trial

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

Thematic areas	Cereals	Oilseeds	Pulses	Other enterprises	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	Medicinal plants	TOTAL
Integrated Nutrient Management	-	-	-	-	Introduction of Drip and Fertigation system to improve the yield and quality of exotic vegetables.	-	-	-	-	Organic ıltivation of osemary in lly terrains	2
Varietal Evaluation	-	-	-	-	-	-	Introduction of open cultivated flowers	Introduction of new tea clone TRF-1	-	-	2
Integrated Pest Management	-	-	-	-	-	-	-	Mite control in tea using Neem seed kernel extract.	-	-	1
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-	0
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-	0
Small Scale Income Generation Enterprises	-	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	Intercrop with Rosemary, Thyme, Geranium in new tea clearing	-	-	1
Resource Conservation Technology	-	-	-	-	-	-	-	-	-	-	0
Farm Machineries	-	-	-	-	-	-	-	-	-	-	0
Integrated Farming System	-	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-	-	Different Plucking method in tea – Knife Vs shear	-	-	1
Storage Technique	-	-	-	-	Post harvest management of garlic	-	-	-	-	-	1
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-	-
Total				0	2		1	4		1	8

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

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

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

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

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

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

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha
Integrated Nutrient Management	Rosemary	Organic cultivation of Rosemary in hilly terrains	2	5	1
	Brussel sprouts	Introduction of Drip and Fertigation system to improve the yield and quality of exotic vegetables.	2		0.4
Varietal Evaluation	Cutflowers	Introduction of open cultivated flowers	4	4	800m^2
	Tea	Introduction of new tea clone TRF-1	1	1	0.6
Integrated Pest Management	Tea	Mite control in tea using Neem seed kernel extract.	3	3	1
	-	-	-	-	-
Integrated Crop Management					
	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-
	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-
	-	-	-	-	-
Weed Management	Tea	Intercrop with Rosemary, Thyme, Geranium in new tea clearing	2	2	1
	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-
	-	-	-	-	-
Farm Machineries	Tea	Different Plucking method in tea – Knife Vs shear.	2		0.4
	-	-	-	-	-
Integrated Farming System	-	-	-	-	-
	-	-	-	-	-
Seed / Plant production	-	-	-	-	-
	-	-	-	-	-
Value addition	-	-	-	-	-
	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-
	-	-	-	-	-
Storage Technique	Garlic	Post harvest management of garlic	2	5	2
	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-
	-	-	-	-	-
Total					

4.B.2. Technologies Refined under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha
Integrated Nutrient Management	-	-	-	-	-
	-	-	-	-	-
Varietal Evaluation	-	-	-	-	-
	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-
	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-
	-	-	-	-	-

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

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

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

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

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

4.C1. Results of Technologies Assessed

Results of On Farm Trial

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Tea	Rainfed	Knife harvesting injured the plucking points and causes low yield and poor quality	Different Plucking method in tea – Knife Vs shear	2	T_0- Hand Plucking T_1- Integrated Shear T_2- Knife harvesting	Yield per acre, Quality of leaf, plucking average.	Green leaf yield for 0.2 Acre T_0- 3110 Kg T_1- 2648 Kg T_2- 2890 Kg	Knife harvesting method is better than Compared to all treatments T_0 and T_1 are T_2	Farmers are satisfied with the technology	-	-
Tea	Rainfed	No income in young tea upto 3rd year, soil erosion, weed growth.	Intercrop with Rosemary & Thyme in new tea clearing	2	T_0- No intercrop T_1- Intercrop with Thyme T_2- Intercrop with Rosemary T_3- Intercrop with Geranium	Thyme yield, Rosemary yield, Soil conserved and water conserved	Yield/ha Thyme–3625 kg Rosemary – 925 kg Geranium – 8750 kg	Compared to all treatments T_1 followed by T_2 is better than all treatments	Farmers are satisfied with Thyme and Rosemary as intercrop	-	-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
T_0- Hand Plucking T_1- Integrated Shear T_2- Knife harvesting	UPASI – Tea Research Foundation	Green leaf yield for 0.2 Acre T_0- 3110 Kg T_1- 2648 Kg T_2- 2890 Kg	Green leaf yield for 1 ha T_0- 38875 Kg T_1- 33100 Kg T_2 - 36125Kg	T_0- Rs.308373/ha T_1- Rs.169275/ha T_2- Rs.36125/ha	T_0- 1:2.5 T_1- 1:2.3 T_2- 1:1.6
T_0- No intercrop T_1- Intercrop with Thyme T_2- Intercrop with Rosemary T_3- Intercrop with Geranium	CSWCRTI, Ooty	Green leaf yield for 0.2 Acre T_1- 290 Kg T_2- 74 Kg T_3- 708 Kg	Green leaf yield for 1 ha T_1-3625 Kg T_2-925 Kg T_3-8850 Kg	T_1- Rs.59380/ha T_2- Rs.7315/ha T_3- Rs.-7875/ha	T_1-1:2.9 T_2-1:1.25 T_3-1:0.7

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

I.

1 **Title of Technology Assessed:**

Different plucking methods in tea- Knife Vs Shear.

2 **Problem Definition:**

Knife harvesting injured the plucking points and causes low yield and poor quality.

3 **Details of technologies selected for assessment:**

T_0- Hand Plucking

T_1- Integrated Shear

T_2- Knife harvesting

4 **Source of technology:**

UPASI- Tea Research Foundation, Coonoor

5 **Production system and thematic area**

Farm machineries

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

Handplucking and integrated shear harvesting is observed to be good. Yield and quality of the harvested tea leaves are the performance indicators.

7. **Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques**

Farmers accepted the technology. Yield and cost of the harvested tea leaves are recorded.

8 **Final recommendation for micro level situation**

Integrated shear harvesting is to be adopted considering cost economics

9 **Constraints identified and feedback for research**

Nil

10 **Process of farmers participation and their reaction**

Farmers satisfied.

II.

1 **Title of Technology Assessed:**

Intercrop with Rosemary and Thyme in new tea clearing.

2 **Problem Definition:**

No income in young tea up to 3rd year, Soil erosion and weed growth.

3 **Details of technologies selected for assessment:**

T_0- No intercrop

T_1- Intercrop with Thyme

T_2- Intercrop with Rosemary

T_3- Intercrop with Geranium.

4 **Source of technology:**

Central soil and water conservation and research institute, Ooty

5 **Production system and thematic area:**

Weed management

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

Growth of thyme and Rosemary are observed to be good. Establishment and yield were the performance indicators.

7. **Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques**

The leaf yield of these crops were recorded for scoring.

8. Final recommendation for micro level situation

Intercropping with thyme can be recommended followed by rosemary.

9. Constraints identified and feedback for research

Marketing of medicinal plant is a constraint. Tea growing was suppressed due to fast growth rate of geranium.

10. Process of farmers participation and their reaction

Farmers are satisfied with thyme and rosemary.

III.

1. Title of Technology Assessed:

Introduction of Drip and Fertigation system to improve the yield and quality of exotic vegetables**.**

2 **Problem Definition:**

Yield & quality of exotic vegetable cultivation, Brussels sprouts is low.

3. Details of technologies selected for assessment:

T_0- Conventional method

T_1- Only drip

T_2- Drip and fertigation

4. Source of technology:

Department of Horticulture, Ooty

5 **Production system and thematic area:**

Integrated nutrient management

6 **Performance of the Technology with performance indicators – Nil**

7. **Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques – Nil**

8 **Final recommendation for micro level situation – Nil**

9 **Constraints identified and feedback for research- Nil**

10 **Process of farmers participation and their reaction – Nil**

IV.

1 **Title of Technology Assessed:**

Mite control in tea using Neem seed kernel extract.

2 **Problem Definition:**

High infestation of Red spider mite and crop loss.

3 **Details of technologies selected for assessment:**

T_0- Control- No spraying

T_1- Inorganic pesticide (Omite)

T_2- Bio pesticide (Neem seed kernel extract)

4 **Source of technology:**

UPASI- Tea Research Foundation, Coonoor

5 **Production system and thematic area:**

Integrated pest management

6 **Performance of the Technology with performance indicators- Nil**

7. **Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques - Nil**

8 **Final recommendation for micro level situation- Nil**

9 **Constraints identified and feedback for research - Nil**

10 **Process of farmers participation and their reaction – Nil**

The trial was started during January 2011.

V.

1 **Title of Technology Assessed:**

Organic cultivation of Rosemary in hilly terrains.

2 **Problem Definition:**

Reduction in yield and quality of Rosemary due to insufficient organic inputs.

3. Details of technologies selected for assessment:

T_0- Control applying only FYM at the time of planting.

T_1- Application of vermicompost + biofertilizer @ 1 t/ha

T_2- Application of Neem cake @ 1t/ha

T_3- Application of vermicompost ^{½} t/ha + Neem cake ^{½} t/ha

4. Source of technology:

Medicinal Plant Development Authority, Doddabetta, Ooty.

5 **Production system and thematic area:**

Integrated Nutrient Management.

6 **Performance of the Technology with performance indicators – Nil**

7. **Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques – Nil**

8 **Final recommendation for micro level situation- Nil**

9 **Constraints identified and feedback for research- Nil**

10 **Process of farmers participation and their reaction – Nil**

The trial was started during April 2011.

VI.

1 **Title of Technology Assessed:**

Introduction of open cultivated flowers.

2 **Problem Definition:**

Reduction in yield and quality of Rosemary due to insufficient organic inputs.

3 **Details of technologies selected for assessment:**

4 **Source of technology:**

Horticulture Research Station, Ooty.

5 **Production system and thematic area:**

Varietal Evaluation

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

7. **Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Nil**

8 **Final recommendation for micro level situation: Nil**

9 **Constraints identified and feedback for research: Nil**

10 **Process of farmers participation and their reaction: Nil**

VII.

1 **Title of Technology Assessed:**

Introduction of high yielding variety TRF-1 tea clone.

2 **Problem Definition:**

Low yield in the existing variety.

3 **Details of technologies selected for assessment:**

T_0- Seedling

T_1- Conventional clonal tea B/6/61

T_2- Newly released TRF-1 clone

4 **Source of technology:**

UPASI- Tea Research Foundation, Coonoor

5 **Production system and thematic area:**

Integrated Crop Management

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

7. **Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques: Nil**

8 **Final recommendation for micro level situation: Nil**

9 **Constraints identified and feedback for research: Nil**

10 **Process of farmers participation and their reaction: Nil**

The trial is in progress.

VIII.

1 **Title of Technology Assessed:**

Post harvest management of Garlic.

2 **Problem Definition:**

Low market value for smaller size during season

3 **Details of technologies selected for assessment:**

T_0 – Not preserving
T_1 – Storing in oil
T_2 – Preparation of garlic powder
T_3 – Preparation of flakes

4 **Source of technology:**

TNAU, Coimbatore

5 **Production system and thematic area:**

Storage technique

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

7. **Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Nil**

8 **Final recommendation for micro level situation:Nil**

9 **Constraints identified and feedback for research: Nil**

10 **Process of farmers participation and their reaction: Nil**

The trial will be initiated during May 2011.

4.D1. Results of Technologies Refined : Nil

Results of On Farm Trial

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

Contd..

Technology Refined	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal,	Net Return (Profit) in Rs. / unit	BC Ratio

	for Technology Option1 / Justification for modification of assessed Technology Option 1		nuts/palm, nuts/palm/year)		
12	13	14	15	16	17
Technology Option 1 (best performing Technology Option in assessment)	-	-	-	-	-
Technology Option 2 (Modification over Technology Option 1)	-	-	-	-	-
Technology Option 3 (Another Modification over Technology Option 1)	-	-	-	-	-

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

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

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented during 2010-11

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
		-	-	-	-	-	-	-	-	-	-	-	-	-
1	Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
2	Pulses	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
3	Cereals	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
4	Millets	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
5	Vegetables	Irrigated	February 2011	Carrot	Early Nantes	-	Nematode management	Management of Carrot root knot nematode	2	1.2	-	2	2	-
		Irrigated	March 2011	Cauliflower	Snow mystique	Hybrid	Integrated pest management	Integrated Pest management in Cauliflower	1	0.8	1	2	3	-
		Irrigated and open cultivation	April 2011	Cabbage	Quisto	-	Crop management	Demonstration on Crop management in Cabbage	3	3	-	-	-	-
		Small scale	-	Crida Preservator	-	-	Post harvest management	Popularization of Crida preservator for Post harvest management of vegetables	3 Nos	3 Nos	-	5	5	-
		Small scale	-	Potato	-	-	Value addition	Demonstration on production of value added products form market rejected potatoes	3	3	-	5	5	-
6	Flowers	Controlled condition	September 2010 to April 2011	Carnation	Eskimo	-	Disease management	Carnation – Fusarium wilt management.	8000m^2	5500m^2	-	8	8	Area reduced and no.of sprays have been increased
		-	-	-	-	-	-	-	-	-	-	-	-	-
7	Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
8	Fruit	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
9	Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
10	Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
11	Medicinal and aromatic	Open cultivation and Rainfed	January 2011	Rosemary	Ooty – 1 (*Rosemarinus officinalis*)	-	Introduction of new crop	Popularisation of Rosemary variety Ooty-1	0.4	0.4	-	1	1	-
12	Fodder													
13	Plantation	Rainfed Max.Tem: 28^0C Min.Tem: 2^0C	March 2011	Tea	B/6/61	Clonal	Dolomite application for soil amendments	Demonstration on application of Dolomite in tea for soil amendments	2	2	-	5	5	-
		Rainfed Max.Tem: 28^0C Min.Tem: 5^0C	March 2011	Tea	B/6/61	Clonal	Weed management	Demonstration on integrated weed management in young tea	2	2	-	3	3	-
		Rainfed Max.Tem: 26^0C Min.Tem: 3^0C	June 2010	Tea	B/6/61	Clonal	Shear harvesting in tea	Introduction of hand operated shears to harvest green leaf.	1	0.8	-	2	2	-
		Rainfed Max.Tem: 28^0C Min.Tem: 2^0C	May 2010	Tea	B/6/61	Clonal	Machine pruning in tea	Demonstration of Mechanical pruning in tea	20	9.3	-	7	-	Due to poor rainfall during the first season of pruning
		Rainfed Max.Tem: 28^0C Min.Tem:	January 2010	Tea	B/6/61	Clonal	Machine harvesting in tea	Use of mechanical harvester in	1	0.8	-	2	2	-

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
		0^0C						tea						
		Rainfed Max.Tem: 28^0C Min.Tem: 0^0C	January 2009	Tea	TRF-1	Clonal	Soil conservation, additional income	Planting tea in raiser under vegetable cultivation to conserve soil and water	1	0.8	-	2	2	-
14	Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
15	Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
16	Poultry	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
17	Rabbitry	Small scale	Feb 2011	Rabbit	New Zealand white	-	Rabbit rearing techniques	Popularisation of Rabbit rearing technology for rural youth to generate additional income	10 Units	3 units	-	3	3	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
18	Pigerry	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
19	Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
20	Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
21	Common carps	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
22	Mussels	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
23	Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
		-	-	-	-	-	-	-	-	-	-	-	-	-
24	Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
25	Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
26	Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
27	Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
28	Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
29	Implements	-	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-	-
30	Others (specify)	Farm women	November 2009	Woolen knitting	-	-	Woolen knitting	Introduction of woolen knitting in villages	3	3	-	60	60	-

5.A. 1. Soil fertility status of FLDs plots during 2010-11

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
1	Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
2	Pulses	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
3	Cereals	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
4	Millets	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
5	Vegetables	Irrigated	February 2011	Carrot	Early nantes	-	Root knot Nematode control	Management of Carrot root knot nematode	February 2011	-	-	-	Carrot
		Irrigated	March 2011	Cauliflower	Snow mistique	Hybrid	Integrated pest management	Integrated Pest management in Cauliflower	March 2011	-	-	-	Double Beans
		Irrigated open cultivation	April 2011	Cabbage	Quisto	-	Crop management for higher yield	Demonstration on Crop management in Cabbage	April 2011	-	-	-	Carrot
		Enterprise	-	-	-	-	Minimising the Post harvest loss	Popularization of Crida preservator for Post harvest management of vegetables	-	-			
		Farm women	-	Potato	-	-	Value addition of market rejected potatoes	Demonstration on production of value added products form market rejected potatoes	-	-			
6	Flowers	Contolled condition	Sept 2010 to April 2011	Carnation	Eskimo	-	Disease management	Carnation – Fusarium wilt management.	Sept 2010 to April 2011	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
7	Ornamental	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
8	Fruit	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
9	Spices and	-	-	-	-	-	-	-	-	-	-	-	-

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
	condiments												
		-	-	-	-	-	-	-	-	-	-	-	-
10	Commercial	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
11	Medicinal and aromatic			Rosemary	Ooty – 1 (*Rosemarinus officinalis*)	-		Popularisation of Rosemary variety Ooty-1					
		-	-	-	-	-	-	-	-	-	-	-	-
12	Fodder	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
13	Plantation	Rainfed Max.Tem: 28^0C Min.Tem: 2^0C	March 2011	Tea	B/6/61	Clonal	Dolomite powder application for soil amendments	Demonstration on application of Dolomite in tea for soil amendments	March 2011	pH-3.92			Tea
		Rainfed Max.Tem: 28^0C Min.Tem: 5^0C	March 2011	Tea	B/6/61	Clonal	Weed management	Demonstration on integrated weed management in young tea	March 2011	pH-4.2			Tea
		Rainfed Max.Tem: 26^0C Min.Tem: 3^0C	June 2010	Tea	B/6/61	Clonal	Shear harvesting in tea	Introduction of hand operated shears to harvest green leaf.	June 2010	pH 4.5			Tea
		Rainfed Max.Tem: 28^0C Min.Tem: 2^0C	May 2010	Tea	B/6/61	Clonal	Machine pruning in tea	Demonstration of Mechanical pruning in tea	May 2010	pH 4.3			Tea
		Rainfed Max.Tem: 28^0C Min.Tem: 0^0C	January 2010	Tea	B/6/61	Clonal	Machine harvesting in tea	Use of mechanical harvester in tea	January 2009	pH 4.5			Tea
		Rainfed Max.Tem: 28^0C Min.Tem: 0^0C	January 2009	Tea	TRF-1	Clonal	Soil conservation, additional income	Planting tea in raiser under vegetable cultivation to conserve soil and water	January 2009	pH 5.05			-

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
14	Fibre	-	-	-	-	-	-	-	-	-	-	-	-
15	Enterprise	Farm women	November 2009	Woolen knitting	-	-	Introduction of machine knitting	Introduction of woolen knitting in villages	November 2009	-			
16	Animal husbandry	Small scale	February 2011	Rabbit rearing	New Zealand white	-	Rabbit rearing	Popularisation of Rabbit rearing technology for rural youth to generate additional income	February 2011	-			

5.B. Results of Frontline Demonstrations

5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
							H	L	A										
Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cereals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Millets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flowers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plantation	Demonstration on Mechanical harvester in Tea	B/6/61	Clonal	Rainfed Max.Tem: 28^0C Min.Tem: 0^0C	2	0.8	250	100	175	125	40	105000	175000	70000	1:1.7	100000	125000	25000	1:1.2

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
							H	L	A										
	Mechanical pruning in tea	B/6/61	Clonal	Rainfed Max.Tem: 28^0C Min.Tem: 0^0C	7	8.8	FLD on Pruning is completed. Machine pruning in tea recorded quicker recovery of bushes than hand pruning.												
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

** BCR= GROSS RETURN/GROSS COST

H – Highest Yield, L – Lowest Yield A – Average Yield

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

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

5.B.2. Livestock and related enterprises : Nil

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Yield (q/ha)				% Increase	*Economics of demonstration Rs./unit)				*Economics of check (Rs./unit)			
					Demo			Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Dairy																	
Poultry																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	

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

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

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

5.B.3. Fisheries : Nil

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	Units/ Area (m^2)	Yield (q/ha)				% Increase	*Economics of demonstration Rs./unit) or (Rs./m2)				*Economics of check Rs./unit) or (Rs./m2)			
					Demo			Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Common carps																	
Mussels																	
Ornamental fishes																	
Others (pl.specify)																	

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

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

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

5.B.4. Other enterprises: Nil

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

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

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

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

5.B.5. Farm implements and machinery

Name of the implement	Cost of the implement in Rs.	Name of the technology demonstrated	No. of Demo	Area covered under demo in ha	Labour requirement in Mandays		% save	Savings in labour (Rs./ha)	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check			Gross cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Data on additional parameters other than labour saved (viz., reduction in drudgery, time etc.)

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

5.B.6. Cotton

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

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

5.B.6.2 Production technology demonstrations

Performance of demonstrations

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

Performance of Bt hybrids, Desi hybrids, non-Bt hybrids and Varieties in Front Line Demonstrations in cotton during 2010-11: Nil

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

5.B.6.3 Integrated pest management demonstrations

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

5.B.6.4 Demonstrations on farm implements

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

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

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

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

S. No	Crop / Enterprise	Name of the technology demonstrated	Feed Back
1	-	-	-
2	-	-	-

5.B.6.7 Farmers' reactions on specific technologies

S. No	Crop / Enterprise	Name of the technology demonstrated	Feed Back
1	-	-	-
2	-	-	-

5.B.6.8 Extension and Training activities under FLD

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

PART VI – DEMONSTRATIONS ON CROP HYBRIDS: Nil

Demonstration details on crop hybrids

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

H-High L-Low, A-Average

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

PART VII. TRAINING

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	3	31	3	34	-	-	-	31	3	34
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Soil and Water Conservation	2	15	9	24	-	-	-	15	9	24
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	-	-	-	-	-	-	-	-	-	-
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Post harvest management of vegetables	1	-	31	31	-	-	-	-	31	31
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Post harvest management of fruits	2	-	60	60	-	-	-	-	60	60
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Carnation cultivation	1	41	-	41	-	-	-	41	-	41
Disease management in carnation	1	14	2	16	-	-	-	14	2	16
Production and post harvest technology in carnation	1	37	4	41	-	-	-	37	4	41
d) Plantation crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Animal Disease Management	-	-	-	-	-	-	-	-	-	-
Feed and Fodder technology	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	1	-	14	14	-	-	-	-	14	14
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery production	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	1	-	22	22	-	-	-	-	22	22
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering										
Farm machinery and its maintenance	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Plant Protection										
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**13**	**138**	**145**	**283**	**0**	**0**	**0**	**138**	**145**	**283**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	1	-	10	10	-	-	-	-	10	10
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Post harvest management in vegetables	1	-	14	14	-	-	-	-	14	14
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Animal Disease Management	-	-	-	-	-	-	-	-	-	-
Feed and Fodder technology	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery production	-	-	-	-	-	-	-	-	-	-
Rural Crafts	1	-	23	23	-	-	-	-	23	23
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering										
Farm machinery and its maintenance	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Plant Protection										
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	1	20	-	20	-	-	-	-	20	20
Mobilization of social capital	1	19	-	19	-	-	-	-	19	19
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**5**	**39**	**47**	**86**	**0**	**0**	**0**	**0**	**86**	**86**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	1	34	31	65	-	-	-	34	31	65
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	7	185	83	268	-	-	-	185	83	268
Tailoring and Stitching	1	-	30	30	-	-	-	-	30	30
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify) Tea cultivation & practices	7	119	55	174	-	-	-	119	55	174
TOTAL	**16**	**338**	**199**	**537**	**0**	**0**	**0**	**338**	**199**	**537**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
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	-	30	30	-	-	-	-	30	30
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify) Mechanisation in pruning in tea	1	12	11	23	-	-	-	12	11	23
TOTAL	**2**	**12**	**41**	**53**	**-**	**-**	**-**	**12**	**41**	**53**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	5	55	9	64	-	-	-	55	9	64
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	**5**	**55**	**9**	**64**	**-**	**-**	**-**	**55**	**9**	**64**

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

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

7.G. Sponsored training programmes

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Increasing production and productivity of crops	429	4511	1474	5985	-	-	-	4511	1474	5985
1.b.	Commercial production of vegetables	-	-	-	-	-	-	-	-	-	-
2	**Production and value addition**										
2.a.	Fruit Plants	-	-	-	-	-	-	-	-	-	-
2.b.	Ornamental plants	-	-	-	-	-	-	-	-	-	-
2.c.	Spices crops	-	-	-	-	-	-	-	-	-	-
3.	**Soil health and fertility management**										
4	**Production of Inputs at site**	-	-	-	-	-	-	-	-	-	-
5	**Methods of protective cultivation**	-	-	-	-	-	-	-	-	-	-
6	**Others (pl.specify)**	-	-	-	-	-	-	-	-	-	-
7	**Post harvest technology and value addition**										
7.a.	Processing and value addition	-	-	-	-	-	-	-	-	-	-
7.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
8	**Farm machinery**	-	-	-	-	-	-	-	-	-	-
8.a.	Farm machinery, tools and implements	-	-	-	-	-	-	-	-	-	-
8.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
9.	**Livestock and fisheries**	-	-	-	-	-	-	-	-	-	-
10	**Livestock production and management**	-	-	-	-	-	-	-	-	-	-
10.a.	Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
10.b.	Animal Disease Management	-	-	-	-	-	-	-	-	-	-
10.c	Fisheries Nutrition	-	-	-	-	-	-	-	-	-	-
10.d	Fisheries Management	-	-	-	-	-	-	-	-	-	-
10.e.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
11.	**Home Science**	-	-	-	-	-	-	-	-	-	-
11.a.	Household nutritional security	-	-	-	-	-	-	-	-	-	-
11.b.	Economic empowerment of women	-	-	-	-	-	-	-	-	-	-
11.c.	Drudgery reduction of women	-	-	-	-	-	-	-	-	-	-
11.d.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
12	**Agricultural Extension**	-	-	-	-	-	-	-	-	-	-
12.a.	Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
12.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	Total	**429**	**4511**	**1474**	**5985**	**-**	**-**	**-**	**4511**	**1474**	**5985**

Details of sponsoring agencies involved

1. Tea Board
2. Horticultural Research Station, Ooty
3. Coffee Board, Coonoor

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

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**	-	-	-	-	-	-	-	-	-	-
1.a.	Commercial floriculture	-	-	-	-	-	-	-	-	-	-
1.b.	Commercial fruit production	-	-	-	-	-	-	-	-	-	-
1.c.	Commercial vegetable production	-	-	-	-	-	-	-	-	-	-
1.d.	Integrated crop management	-	-	-	-	-	-	-	-	-	-
1.e.	Organic farming	-	-	-	-	-	-	-	-	-	-
1.f.	Others (pl.specify) Tea Processing	2	4	10	14	-	-	-	4	10	14
	Tea cultivation	1	22	3	25	-	-	-	22	3	25
2	**Post harvest technology and value addition**										
2.a.	Value addition	-	-	-	-	-	-	-	-	-	-
2.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
3.	**Livestock and fisheries**										
3.a.	Dairy farming	-	-	-	-	-	-	-	-	-	-
3.b.	Composite fish culture	-	-	-	-	-	-	-	-	-	-
3.c.	Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
3.d.	Piggery	-	-	-	-	-	-	-	-	-	-
3.e.	Poultry farming	-	-	-	-	-	-	-	-	-	-
3.f.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
4.	**Income generation activities**										
4.a.	Vermi-composting	-	-	-	-	-	-	-	-	-	-
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.	-	-	-	-	-	-	-	-	-	-
4.c.	Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
4.d.	Rural Crafts	-	-	-	-	-	-	-	-	-	-
4.e.	Seed production	-	-	-	-	-	-	-	-	-	-
4.f.	Sericulture	-	-	-	-	-	-	-	-	-	-
4.g.	Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
4.h.	Nursery, grafting etc.	-	-	-	-	-	-	-	-	-	-
4.i.	Tailoring, stitching, embroidery, dying etc.	1	-	25	25	-	-	-	-	25	25
4.j.	Agril. para-workers, para-vet training										
4.k.	Others (pl.specify) Readymade garment making	1	-	17	17	-	-	-	-	17	17
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics	-	-	-	-	-	-	-	-	-	-
5.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	Grand Total	**5**	**26**	**55**	**81**	**-**	**-**	**-**	**26**	**55**	**81**

PART VIII – EXTENSION ACTIVITIES

Extension Programmes (including activities of FLD programmes)

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No.of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	5	77	53	130	-	-	-	3	-	3
Kisan Mela	-	-	-	-	-	-	-	-	-	-
Kisan Ghosthi	-	-	-	-	-	-	-	-	-	-
Exhibition	1	7	40	47	-	-	-	-	-	-
Film Show	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	3	25	40	65	-	-	-	-	-	-
Farmers Seminar	5	712	96	808	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-
Group meetings	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	3	70	-	70	-	-	-	-	-	-
Newspaper coverage	16	-	-	-	-	-	-	-	-	-
Radio talks	-	-	-	-	-	-	-	-	-	-
TV talks	26									
Popular articles	-	-	-	-	-	-	-	-	-	-
Extension Literature	3									
Advisory Services	33	95	13	108						
Scientific visit to farmers field	65	111	117	228						
Farmers visit to KVK	6	31	104	135						
Diagnostic visits	1	96	-	96						
Exposure visits	-	-	-	-	-	-	-	-	-	-
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	-	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify) Women in Agriculture Day	1	-	17	17	-	-	-	2	1	3
Any Other (Specify)	-	-	-	-	-	-	-	-	-	-
Followup visit to factory	103	309	-	309	-	-	-	-	-	-
Follow up visit to societies	413	1962	392	2354	-	-	-	-	-	-
Scientist visit to farmers factory	104	104	-	104	-	-	-	-	-	-
Advisory helpline	12	7	5	12	-	-	-	-	-	-
Total	**800**	**3606**	**877**	**4483**				**5**	**1**	**6**

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS

9.A. Production of seeds by the KVKs: Nil

9.B. Production of planting materials by the KVKs: Nil

9.C. Production of Bio-Products: Nil

9.D. Production of livestock materials: Nil

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

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

(A) KVK News Letter

Date of start : 1999
Periodicity : Quarterly
Number of copies distributed etc. : 2000

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers	Value chain management for production, quality and profitability in Nilgiris small tea segment through group dynamic approaches.	Dr.P.Kumaravadivelu Dr.B.Radhakrishnan Mr.G.Ramamoorthy Dr.R.Shanmugam	1
Technical reports	-	-	-
News letters	Neelagiri Velanmai	Dr.P.Kumaravadivelu Dr.B.Radhakrishnan Mr.G.Ramamoorthy Dr.R.Shanmugam Mrs.M.Suguna Mrs.T.Geetha	2000
Technical bulletins			
Popular articles	Carnation- Mother of Flowers – Nilgiris	M.Suguna	1
	Rosemary – An excellent herbal crop for rainfed and dry spell areas	M.Suguna	1
	Nilgiris a piece of western ghats with aesthetic values	Dr.P.Kumaravadivelu M.Suguna	1
Extension literature	Disadvantages of knife harvesting in tea Advantages and pruning strategies in tea for quality improvement	 Dr.P.Kumaravadivelu Dr.R.Shanmugam	1000 1000
Others (Pl. specify)	-	-	-
TOTAL			**4001**

10.B. Details of Electronic Media Produced: Nil

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

Nil

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

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

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

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

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

10.G. Field activities

i. Number of villages adopted - 27
ii. No. of farm families selected - 1080
iii. No. of survey/PRA conducted - 5

10.H. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Established

1. Year of establishment : 2005 (25.7.2005)
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1	Chemical Balance	1	88400.00
2	Hot Plate	1	12639.00
3	pH Meter	1	9610.00
4	Electrical Conductivity Meter	1	9610.00
5	Flame Photometer	1	48052.00
6	Spectrophotometer	1	50187.00
7	Water distillation still	1	20628.00
8	Shakers	2	45840.00
9	Sample Grinder	1	12546.00
10	Oven	1	13473.00
11	Kjelplus digestion and Distillation Unit	1 each	59400.00
12	Physical Balance	1	1707.00
13	Refrigerator	1	16990.00
14	Water bath	1	5400.00
15	Heater with wire set	1	366.00
Total			**394848.00**

Details of samples analyzed so far since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	3447	1777	600	118930.50
Water Samples	35	25	21	713.00
Plant samples	17	6	5	441.00
Manure samples	17	8	8	4268.00
Others (specify) Wood, briquette, tea etc.,	433	42	42	79530.00
Total	**3949**	**1858**	**676**	**203882.50**

Details of samples analyzed during the 2010-11 :

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	836	255	185	31876.00
Water Samples	11	14	10	314.00
Plant samples	0	0	0	0
Manure samples	17	8	8	4268.00
Others (specify) Wood, briquette, tea etc	163	42	42	30930.00
Total	**1027**	**319**	**245**	**67388.00**

10.I. Technology Week celebration : Nil

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

Other Details

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

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

A. Introduction of alternate crops/varieties

State	Crops/cultivars	Area (ha)	Number of beneficiaries
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

B. Major area coverage under alternate crops/varieties

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

C. Farmers-scientists interaction on livestock management: Nil

State	Livestock components	Number of interactions	No.of participants
Total			

D. Animal health camps organized : Nil

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

E. Seed distribution in drought hit states: Nil

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

F. Large scale adoption of resource conservation technologies: Nil

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

G. Awareness campaign

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

PART XI. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Tea Plucking – Farmers	33312	56	9.06	10.7
Tea Post harvest technology – manufacturing tea by Factories	28	22	61.72	81.35

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

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

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

- **Impact of Quality up-gradation in field:**

  Women Self Help groups were encouraged to setup quality tea leaf collection centre and linked them directly to the bought leaf factories. Over 2 lakhs kg of fine leaf was procured and sold to the factory and getting higher price realization. On an average additional cost of Rs. 2 to 5 per kg of green leaf was realized and the same has been passed on the farmers. The groups also earned profit of 6.25 lakhs at the rate of Rs. 0.25/kg of green leaf supplied. The entire Small growers Tea Societies in Nilgiris are depicted in following figure.

- **Impact of Factory Experiment cum Demonstration:**

  Scientific processing techniques were demonstrated for a period of 7 to 10 days to factory personal by QUP team. The processed tea evaluated for quality parameters and sold in the auction at higher price. The factories linked with Small Tea Growers Society are depicted as below.

  The impacts made by the experiment cum demonstration are as follows:

- Introduction of differential price system progressive
- Changes in green leaf standards
- Adoption of better processing techniques
- Premium quality teas produced
- Higher auction price and more economic gains.

Impact of Home Science training programme:

- Nutrition education has helped 85% of beneficiaries in their daily life
- Nutrition education has guided 85% of the beneficiaries, to apply the knowledge learned on food selection and consumption pattern, to have balanced diet with the locally available low-cost foods.
- Training on food preservation and home baking were utilized by 60% of the trainees.
- Tailoring and woolknitting programmes have been supporting almost 90% of the trainees both to supplement their income and to start new venture of their own.

o **Impact of Vocational training programme:**

Study on impart analysis of vocational trainings conducted by various disciplines reveals that the individuals who were financially downtrodden and unemployed have realized their inner capacities and achieved strong self-confidence and have been able to support their families.

- **Impact of Soil testing laboratory:**

  Soil testing laboratory unit initiated in 2005 onwards to analyse the soil, water and plant material to small growers with subsidized cost. About 1174 soil samples, received from small growers for analyzing soil physical and primary nutrients and an amount of Rs. 63180/- is earned so far. In addition to that 270 made tea samples received for quality parameters analysis and generated Rs. 53606/-. Based on soil analysis status the exact dosage of fertilizer application is recommended to the farmers.

Soil samples collected from OFT/FLD experimental blocks were anlalysed based on the requirement and reported to ICAR.

Small Tea Growers' Societies linkage with Bought leaf Tea factories a boon to Small Tea growers in Nilgiris:

Small Tea Growers' Societies launched for the benefit of small farmers in Nilgiris is a successful concept of UPASI KVK. This concept was well received by the small tea farmers in the district since Tea Board provided most of the financial support through subsidies for establishing societies. With the wide coverage of programmes through UPASI KVK the concept was disseminated among the tea farmers and tea manufacturers in the district.

During the report period Societies which performed well in the last financial year 2009-2010 were selected for monitoring. Simultaneously new societies were also being established, to motivate small tea farmers to consistently focus on quality by procuring and supplying fine leaf to factories directly and getting price.

Totally, 36 Societies were being monitored by KVK through QUP and 28 bought leaf tea factories supported the societies by procuring quality leaf and paying better price compared to market price.

The successful functioning of 36 Societies motivated other progressive tea farmers to also form Small Tea Growers' Society in their respective villages. This positive response from the farming community facilitated UPASI KVK QUP to form 80 new societies in six taluks of the district during the report period.

Overall, the market was comparatively low during the report period. The highest leaf price received by the society for one kg of quality leaf was Rs.13.35 and the lowest price was Rs.7.00 a kg with additional earning of Rs.6/- a kg. **The total quantity of quality leaf collected during the period was 1,20,52,654 kgs** which is almost equal to last year, even though the number of societies were only 36 when compared to last year which was 40.

Overall, 36 societies were able to generate an income of Rs.77.14 lacs during report period. Approximately one society was able to generate a net income of Rs.2.15 lacs. The society paid its members almost Rs.1.25 per kg of fine leaf and retained Rs.0.50 paise as income to society which was used for operating the societies and for other social activities in the village.

This organized approach and clarity in financial aspects, and direct dealing with factory were some of the key motivating factors for increasing the membership in the societies. The extension support rendered by UPASI KVK QUP and financial support rendered by Tea Board through its schemes also motivated the farmers in the district to move towards society concept.

The abstract of progress made by the 36 societies during the report period is given below;

Number of Small Tea Growers' Societies monitored	:	36
Average number of bought leaf Tea factories linked	:	28
Total quantity of leaf procured by 36 societies	:	1,20,52,654 kgs
Average normal green leaf price per kg	:	Rs.9.06
Average quality green leaf price per kg	:	Rs.10.70
Price difference (normal vs quality)	:	Rs.1.64
Additional net income by 36 Societies in 2010-11	**:**	**Rs.77,13,699**
Total number of beneficiaries	:	33,312
Approximate number of regular beneficiaries	:	925
Approximate net income generated by a single society during the report period	**:**	**Rs.2,14,270/-**

Bought leaf tea factories exploited Society concept to the best and tried to link themselves to societies wherever possible so as to get quality leaf for producing premium brand tea. Since societies adhered to quality parameters strictly, they were able to supply quality leaf as per tea factories requirement and received better price.

The societies were loyal to tea factories that supported them and factories vise versa. Besides paying better green leaf price to societies, the factories also rendered other support such as supplying inputs & fertilizers to the members, giving advance for special purpose requested by societies, etc. **Hence the involvements of bought leaf tea factories have also played a vital role in bringing about changes in the small sector Tea Industry.**

UPASI KVK worked with tea factories also by refining their processing technology and motivating these factories to produce quality teas. Over 100 tea factories are covered by QUP in this aspect and are also being monitored regularly to maintain consistency in quality of tea produced by them.

The tea factories were able to increase production of premium brand tea with the help of the quality leaf supplied by societies. They were also able to get better price for premium brand tea. Tea factories monitored by QUP were able to get an average of

Rs.81/- per kg made tea when compared to regular auction price average of Rs.62/- a kg leaving a difference of Rs.19/- per kg as income through premium brand tea.

Abstract of progress made by QUP monitored tea factories during the report period is given below;

Sale average of bought leaf factories in Coonoor auction (per kg)	:	Rs.61.72
Sale average of QUP monitored Tea factories (per kg)	:	Rs.81.35
Difference in price (Rs. per kg)	**:**	Rs.19.63
No. Premium brand tea sold by tea factories	:	40
No. of factories selling Premium brand Tea	:	26
Quantity of tea sold by QUP monitored Tea factories (kgs)	:	57,92,535
No. of factories linked to Societies	:	28

Income generated by production of premium brand tea through society linkage

Average cost of one kg of quality green leaf supplied by societies	:	Rs.10.70
Cost of 4.5 kgs of quality green leaf required for one kg premium brand tea	:	Rs.48.15
Average manufacturing cost for one kg premium brand tea	:	Rs.20.00
Total manufacturing cost for one kg of premium brand tea	**:**	**Rs.68.15**
Sale average per kg of made tea by QUP monitored Tea factories	:	Rs.81.35
Average additional income generated per kg of made tea	**:**	**Rs.13.20**
Quantity of tea sold by QUP monitored Tea factories	:	57,92,535 kgs
Approximate income generated by 28 tea factories monitored by QUP during the report period	:	**Rs.7,64,61,462**

With the concerted effort of UPASI KVK and Tea Board a strong and direct linkage between growers and manufacturers was established. This linkage, completely eliminated middlemen (leaf agent) exploitation in almost all society established villages and growers were able to get better price directly from the factory along with other benefits required for the society.

In order to survive in the trade of collecting and supplying leaf to the factories the leaf agents were forced to increase the green leaf price**.** Leaf agent offered better price for green leaf to attract growers which thereby helped in increasing the normal green leaf price in the market on account of society-factory linkage. In brief, UPASI KVK QUP through its approaches was able to achieve the following;

1. Establishment of linkages between society & tea factory, growers & manufacture
2. Eliminate middlemen exploitation
3. Increase inflow of quality leaf in tea factories
4. Increase production of premium tea
5. Increase premium tea price
6. Increase price of quality green leaf
7. Simultaneously increase price of normal green leaf
8. Receive subsidies from Tea Board
9. Farming community receiving constant support from institutions
10. Increasing scope of improvement for the small farming sector

This linkage between Society and factory turned out to be a boon to the small sector tea industry in Nilgiris.

PART XII - LINKAGES

12.A. Functional linkage with different organizations

Name of organization	Nature of linkage
Tea Board	▪ Financial assistance for the small tea growers development projects and training programmes on tea cultivation. ▪ Front line demonstration on Tea. ▪ A Mini Tea processing unit is established for imparting training to employees of various manufacturing units and unemployed youth. ▪ Quality upgradation of tea produced in small grower sector. ▪ Formation of SHG's and Societies.
Coffee Board	▪ The assistance of the Coffee Board was utilised in organising training on coffee cultivation in order to promote coffee cultivation in tribal villages.
Spices Board	▪ The services were utilised in promoting spices cultivation in tribal villages and on farm testing.
Tamil Nadu Agricultural University	▪ The Director of Extension Education serves as a member in the Scientific Advisory Committee of the Kendra. ▪ The Kendra imparts training on tea culture & manufacture to the students of Agriculture and Horticulture. ▪ Conducting on farm testing and front line demonstration in collaboration with HRS, TNAU, Ooty. ▪ KVK is an associated partner in NAI Programme on value change management in Carnation
UPASI-Tea Research Foundation	• The new findings in tea from TRF were utilised for transfer of technology to small tea growers.
State Department of Horticulture	▪ The Kendra imparts periodical training to Horticultural Officers on Tea Cultivation. The scientists of the Kendra also participate in the monthly workshops of Training and Visit System and highlight the cultural operations to be carried out in Tea and allied enterprises during the month in order to disseminate the information to the farmers by the extension personnel.
Hill Area Development Programme (HADP)	▪ In implementing the watershed programme of HADP, KVK has been identified as one of the nodal agency.
Central Soil & Water Conservation Research & Training Institute	▪ Utilised Services in implementation of Soil and Water conservation measures in the district.
Panchayat Union	▪ Field Advisory visits are undertaken by Scientists of the Kendra to the tea fields.
Financial Institutions (Banks)/Lead Bank	▪ For financial assistance to the SHGs and trainees
Tamil Nadu Corporation for the development of women. (TNCDW)	▪ Imparted vocational training to the SHGs beneficiaries of TNCDW
District Industries centre (DIC)	▪ To get financial support to the trainees for starting enterprises
Potato Research Station, Muthorai	▪ To conduct on farm trials and other field experiments.
Nilgiri Adivasi Welfare Association (NAWA)	• Collaboration in various tribal developmental programmes for the upliftment of the tribal population in the Nilgiris.
District Lead Bank.	▪ To get financial support to the trainees and SHGs.
Nilgiris Small Tea Growers' Association	▪ Organising Off-campus training and extension programmes.
Nilgiri Bought Leaf Factory Association	▪ Creation of quality awareness among tea producing sector.
The Tamil Nadu Small Tea Growers' Industrial	▪ The Kendra imparts periodical training to the members of the 14

Name of organization	Nature of linkage
Co-operative Tea Factories Federation Limited (The INDCO SERVE)	Industrial Co-operative tea factories in the district. ▪ Services are utilised to mobilise and motivate local farmers to take up tea cultivation in a scientific way.
Horticultural Research Station, Tamilnadu Agricultural University, Ootacamund	▪ Technical support on horticultural crops
Keystone, Kotagiri	▪ Imparting training on bee keeping
Floriculturists Association of Nilgiris, Coonoor	▪ Imparting Training on floriculture to the members
Sheep Breeding Research Station	▪ Technical support on Livestock
Indco (Industrial Co-operative Tea factories)	▪ To organize training programmes, implement Kundah replanting programme etc.
IARI, Regional Station, Wellington	▪ Technical support in promoting wheat cultivation through front line demonstration.
Forest Department	▪ Services were utilized in implementing developmental projects in tribal areas

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

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

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Quality Upgradation Programme in Tea	July 2000	Tea Board	40,00000.00

12.C. Details of linkage with ATMA: Nil

a) Is ATMA implemented in your district : No

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

Coordination activities between KVK and ATMA during 2010-11 : Nil

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	**Meetings**	-	-	-	-
02	**Research projects**	-	-	-	-
03	**Training programmes**	-	-	-	-
04	**Demonstrations**	-	-	-	-
05	**Extension Programmes**	-	-	-	-
	Kisan Mela	-	-	-	-
	Technology Week	-	-	-	-
	Exposure visit	-	-	-	-
	Exhibition	-	-	-	-
	Soil health camps	-	-	-	-
	Animal Health Campaigns	-	-	-	-
	Others (Pl. specify)	-	-	-	-
06	**Publications**	-	-	-	-
	Video Films	-	-	-	-
	Books	-	-	-	-
	Extension Literature	-	-	-	-
	Pamphlets	-	-	-	-
	Others (Pl. specify)	-	-	-	-

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
07	**Other Activities** (Pl. specify)	-	-	-	-
	Watershed approach	-	-	-	-
	Integrated Farm Development	-	-	-	-
	Agri-preneurs development	-	-	-	-
		-	-	-	-

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

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

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

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

12.F. Details of linkage with RKVY : Nil

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

12. G Kisan Mobile Advisory Services

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
April 2010	40	1900	-
May			
June			
July			
August			
September			
October			
November			
December			
January 2011			
February			
March			

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

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

1	Alstromeria (Open cultivated flower)	June 2009	0.05 acre	Red. Pink, Yellow	Flower	-	-	-	-
2	Herbal garden	2002	0.05 acre	23 variety	Foliage	For identification and training of herbal and medicinal plants			
3	Rosemary	2007	0.20 acre	Ooty – 1	Green leaf	10 kg		Rs.1645.00	

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

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
Fibers	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
Spices & Plantation crops									
	-	-	-	-	-	-	-	-	-
Floriculture	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
Others (specify)									
Plantation crop (Tea)	1976, 1980, 1986 & 1999	Perennial crop. Harvesting done every 10 – 15 days interval	10.44	B/4/142	Made Tea	44,004 Kg	3303513.23	4134772.86	-
				B/6/61					
				B/6/62					
				B/5/63					
				B/6/36	Silver Tips	65 Kg			
				B/7/372					
				TRI-2024					
				TRI-2025					
				TRI-2026	Handmade Tea	11 Kg			
				B/4/141					
				DVS/3A/39					
				ATK,SA-6					

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
-	-	-	-	-	-
-	-	-	-	-	-

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

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

13.E. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2010	29	2	-
May	17	1	-
June	-	-	-
July	2	3	-
August	-	-	-
September	-	-	-
October	-	-	-
November	-	-	-
December	-	-	-
January 2011	-	-	-
February	-	-	-
March	-	-	-

13. F. Database management

S. No	Database target	Database created
1	Growers society details in different villages	50 growers society details and crop were collected and recorded.
2	Growers Individual /Crop details	2500 Individual growers crop were collected and recorded.
3	Data on all crops in village	Data collection is in progress

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

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

PART XIV - FINANCIAL PERFORMANCE

14.A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	State Bank Of Travancore	Coonoor	7389	UPASI	57012887836	-	SBTR0000389
With KVK	State Bank Of Travancore	Coonoor	7389	UPASI KVK	57012892449	-	SBTR0000389

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

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

S. No.	Particulars	Sanctioned	Released	Expenditure (Provisional)
A. Recurring Contingencies				
1	**Pay & Allowances**	4500000.00	4500000.00	3114378.00
2	**Traveling allowances**	125000.00	125000.00	114861.00
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	200000.00	200000.00	163336.00
B	POL, repair of vehicles, tractor and equipments	130000.00	130000.00	106952.00
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	75000.00	75000.00	15165.00
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	35000.00	35000.00	16582.00
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	175000.00	175000.00	16431.00
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	80000.00	80000.00	1385.00
G	Training of extension functionaries	25000.00	25000.00	4502.00
H	Maintenance of buildings	20000.00	20000.00	3497.00
I	Establishment of Soil, Plant & Water Testing Laboratory	0.00	0.00	0.00
J	Library	5000.00	5000.00	5000.00
K	Farmers Field School	25000.00	25000.00	6423.00
L	Extension Activities	30000.00	30000.00	6536.00
TOTAL (A)		**5425000.00**		**3575048.00**
B. Non-Recurring Contingencies				
1	**Works**	0.00	0.00	0.00
2	**Equipments including SWTL & Furniture**			
	1. Digital Camera	25000.00	25000.00	22575.00
	2. Power Tiller	150000.00	150000.00	138870.00
	3. Generator	100000.00	100000.00	99320.00
	4. EPABX System	50000.00	50000.00	48110.00
	5. Furniture & Furnishing	200000.00	200000.00	196763.00
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	0.00	0.00	0.00
4	**Library** (Purchase of assets like books & journals)	10000.00	10000.00	9618.00
TOTAL (B)		**535000.00**	**535000.00**	**515256.00**
C. REVOLVING FUND		0.00	0.00	0.00
GRAND TOTAL (A+B+C)		**5960000.00**	**5960000.00**	**4090304.00**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2008 to March 2009	271923.08	438141.00	297148.20	412915.88
April 2009 to March 2010	412915.88	316895.93	169191.93	712891.55
April 2010 to March 2011	712891.55	271294.25	158329.25	825656.55

15. Details of HRD activities attended by KVK staff during 2010-11

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
T.Geetha	SMS (Home Science)	Training cum workshop on strengthening gender perspective in agrl.research and extension	TANUVAS, Chennai	24.1.2011 to 25.1.2011.
N.Mohan	Programme Assistant (Farm Manager)	Integrated farming systems for sustainable farming Kancheepuram District between	TANUVAS Krishi Vigyan Kendra, Kattupakkam,	10.11.2010 and 12.11.2010.
M.Suguna	SMS (Horticulture)	Training programme on Agricultural Knowledge Management.	TNAU, Coimbatore	26.10.2010 to 29.10.2010
T.Geetha	SMS (Home Science)	Training on Chocolate and confectionery	TNAU, Coimbatore	8th & 9.6.2010.
T.Geetha	SMS (Home Science)	Training on commercial fruit production	PHTC, TNAU, Coimbatore	25.5.2010 and 26.5.2010.

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

FARMERS FIELD SCHOOL (FFS)

Farmers Field School on IPM – "Redspider mite management in tea" was conducted in Kengamudi village of Ooty for the year 2010-11. The major crop cultivated in this region is tea. Around 70% of the area is occupied by tea. Redspider mite is the major problem in tea in this region. Hence this was taken up for FFS.

Two village meetings were conducted to explain about the concept of FFS and discussion was carried out with the Assistant Director of UPASI- Tea Research Foundation, Coonoor regarding Redspider mite control. Three collaborators namely Mr.K.Bellan, Mr.S.Bheeman and Mr.M.Gundan were selected for the FFS. Totally 30 farmers were selected for the programme. They were divided in to six sub groups. The ballot test was conducted to measure the knowledge of the farmers on Redspider control management in tea. Nearly 45% were aware of the management of Redspider mite. Following inputs were supplied to the collaborators:

S.No	Particulars	Quantity (lt/kg)
1	Omite	1 lt
2	Unslaked lime	10 kg
3	Sulphur	20 kg
4	Mycomite	4 kg

Trial details:

Trials	Particulars
$\mathbf{T_0}$	Farmers practice
$\mathbf{T_1}$	Inorganic Spray (Omite)
$\mathbf{T_2}$	Organic Spray (Lime Sulphur and Mycomite)
$\mathbf{T_3}$	Integrated method

The session's details are given below:

Sessions	Work Carried out
1	Layout of the trial plot.
2	Supply of inputs and demonstration on Red Spider Mite control.
3	Observation of infestation of Red spider mites.
4	Demonstration on chemical spray.
5	Observation on incidence of Redspider mites.
6	Organic spray.
7	Observation on No. of Red spider mite population
9	Integrated spray.

The session was held from morning 10.00 am to 2.00 p.m. The session includes objective of the programme, time requirement, material requirement, discussion and conclusion.

The Agro Eco System Analysis (AESA) was conducted where the weather condition, harmful disease, beneficial predators and weeds were carried out.

The yield and mite population were recorded for three months. It was found that there is 852 kg of green leaf in $\mathbf{T_0}$, 1058 kg in $\mathbf{T_1}$, 1017 in $\mathbf{T_2}$ and 1069 in $\mathbf{T_3}$ respectively.

It was observed that there is an average increase in yield of 24.1% in $\mathbf{T_1}$, 19.3% in $\mathbf{T_2}$ and 25.4% in $\mathbf{T_3}$ over control.

Average Mite population per leaf was recorded. It was observed that there is 15 Nos of mite in $\mathbf{T_0}$, 6 Nos in $\mathbf{T_1}$, 7 Nos in $\mathbf{T_2}$ and 5 Nos in $\mathbf{T_3}$ respectively.

It was observed that there is decrease in mite population of 60% in $\mathbf{T_1}$, 53% in $\mathbf{T_2}$ and 66% in $\mathbf{T_3}$ over control.

Finally Field Day was conducted in the village. The Programme Coordinator of UPASI-KVK, SMS (Agrl.Extn.,), Programme Assistant(Farm Manager), Village leader and 60 farmers participated in the programme.

SUMMARY FOR 2010-11

I. TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops

Thematic areas	Crop	Name of the technology assessed	No. of trials
Integrated Nutrient Management	Rosemary	Organic cultivation of Rosemary in hilly terrains	2
	Brussel sprouts	Introduction of Drip and Fertigation system to improve the yield and quality of exotic vegetables.	2
Varietal Evaluation	Cutflowers	Introduction of open cultivated flowers	
	Tea	Introduction of new tea clone TRF-1	1
Integrated Pest Management	Tea	Mite control in tea using Neem seed kernel extract.	3
	-	-	-
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	Garlic	Post harvest management of garlic	2
	-	-	-
Others (Pl. specify)	-	-	-
	-	-	-
Total			**10**

Summary of technologies assessed under livestock: Nil

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

Summary of technologies assessed under various enterprises

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

Summary of technologies assessed under home science

Thematic areas	Enterprise	Name of the technology assessed	No. of trials
Post harvest management	Storage technique	Post harvest management of garlic	2
	-	-	-
-	-	-	-
	-	-	-
-	-	-	-
	-	-	-
-	-	-	-
	-	-	-
-	-	-	-
	-	-	-
-	-	-	-
	-	-	-
-	-	-	-
	-	-	-

II. TECHNOLOGY REFINEMENT

Summary of technologies refined under various crops: Nil

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

Summary of technologies assessed under refinement of various livestock: Nil

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

Summary of technologies refined under various enterprises: Nil

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

Summary of technologies refined under home science:Nil

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

III. FRONTLINE DEMONSTRATION

Cotton

Frontline demonstration on cotton: Nil

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

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

Other crops:

Crop	Thematic area	Name of the tech-nology demo-nstrated	No. of KVKs	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demons ration	Check		Demo-nstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Cereals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Millets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flowers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plantation	**Machine harvesting**	Demonstration on Mechanical harvester in Tea	**1**	**2**	**0.8**	**175**	**125**	**40**	**-**	**-**	105000	175000	70000	1:1.7	100000	125000	25000	1:1.2
	Machine pruning	Mechanical pruning in tea	**1**	**7**	**8.8**	FLD on Pruning is completed. Machine pruning in tea recorded quicker recovery of bushes than hand pruning.												
Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Total	**2**	**9**	**9.6**													

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

Livestock: Nil

Category	Thematic area	Name of the technology demo-nstrated	No. of KVKs	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
						Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pigerry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total		-	-	-	-												

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

Fisheries : Nil

Category	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
						Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mussels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Total	-	-	-	-												

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

Other enterprises : Nil

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

Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total		-	-	-	-												

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

Women empowerment: Nil

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

Farm implements and machinery

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

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

Other enterprises

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demonst-ration	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals	-	-	-	-	-	-	-	-	-	-
Bajra	-	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	-	-	-	-
Rice	-	-	-	-	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demonst-ration	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-	-
Castor	-	-	-	-	-	-	-	-	-	-
Mustard	-	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-
Groundnut	-	-	-	-	-	-	-	-	-	-
Soybean	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-	-
Greengram	-	-	-	-	-	-	-	-	-	-
Blackgram	-	-	-	-	-	-	-	-	-	-
Bengalgram	-	-	-	-	-	-	-	-	-	-
Redgram	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Vegetable crops	-	-	-	-	-	-	-	-	-	-
Bottle gourd	-	-	-	-	-	-	-	-	-	-
Capsicum	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Cucumber	-	-	-	-	-	-	-	-	-	-
Tomato	-	-	-	-	-	-	-	-	-	-
Brinjal	-	-	-	-	-	-	-	-	-	-
Okra	-	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-	-
Potato	-	-	-	-	-	-	-	-	-	-
Field bean	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-	-	-	-	-
Sugarcane	-	-	-	-	-	-	-	-	-	-
Coconut	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Fodder crops	-	-	-	-	-	-	-	-	-	-
Maize (Fodder)	-	-	-	-	-	-	-	-	-	-
Sorghum (Fodder)	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-

IV. Training Programme

Farmers' Training including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	3	31	3	34	-	-	-	31	3	34
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Soil and Water Conservation	2	15	9	24	-	-	-	15	9	24
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	-	-	-	-	-	-	-	-	-	-
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Post harvest management	1	-	31	31	-	-	-	-	31	31
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Post harvest management of fruits	2	-	60	60	-	-	-	-	60	60
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Carnation cultivation	1	41	-	41	-	-	-	41	-	41
Disease management in carnation	1	14	2	16	-	-	-	14	2	16
Production and post harvest technology in carnation	1	37	4	41	-	-	-	37	4	41
d) Plantation crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Animal Disease Management	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Feed and Fodder technology	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	1	-	14	14	-	-	-	-	14	14
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery production	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	1	-	22	22	-	-	-	-	22	22
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering										
Farm machinery and its maintenance	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Plant Protection										
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**13**	**138**	**145**	**283**	**0**	**0**	**0**	**138**	**145**	**283**

Farmers' Training including sponsored training programmes (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Horticulture	-	-	-	-	-	-	-	-	-	-
a) Vegetable Crops										
Production of low value and high volume crop	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	1	-	10	10	-	-	-	-	10	10
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Post harvest management in vegetables	1	-	14	14	-	-	-	-	14	14
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits										
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
Production and Management technology										
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology										
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops										
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management										
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Animal Disease Management	-	-	-	-	-	-	-	-	-	-
Feed and Fodder technology	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Women empowerment										
Location specific drudgery production	-	-	-	-	-	-	-	-	-	-
Rural Crafts	1	-	23	23	-	-	-	-	23	23
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering	-	-	-	-	-	-	-	-	-	-
Farm machinery and its maintenance	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements										
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Plant Protection	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides										
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Fisheries	-	-	-	-	-	-	-	-	-	-
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery										
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production										
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	1	20	-	20	-	-	-	-	20	20
Mobilization of social capital	1	19	-	19	-	-	-	-	19	19
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**5**	**39**	**47**	**86**	**0**	**0**	**0**	**0**	**86**	**86**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	1	34	31	65	-	-	-	34	31	65
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	7	185	83	268	-	-	-	185	83	268
Rural Crafts	1	-	30	30	-	-	-	-	30	30
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify) Tea cultivation and practices	7	119	55	174	-	-	-	119	55	174
TOTAL	**16**	**338**	**199**	**537**	**0**	**0**	**0**	**338**	**199**	**537**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
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	-	30	30	-	-	-	-	30	30
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify) Mechanisation in pruning in tea	1	12	11	23	-	-	-	12	11	23
TOTAL	**2**	**12**	**41**	**53**	**-**	**-**	**-**	**12**	**41**	**53**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	5	55	9	64	-	-	-	55	9	64
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	**5**	**55**	**9**	**64**	**-**	**-**	**-**	**55**	**9**	**64**

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

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

Sponsored training programmes

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**	429	4511	1474	5985	-	-	-	4511	1474	5985
1.a.	Increasing production and productivity of crops	-	-	-	-	-	-	-	-	-	-
1.b.	Commercial production of vegetables	-	-	-	-	-	-	-	-	-	-
2	**Production and value addition**	-	-	-	-	-	-	-	-	-	-
2.a.	Fruit Plants	-	-	-	-	-	-	-	-	-	-
2.b.	Ornamental plants	-	-	-	-	-	-	-	-	-	-
2.c.	Spices crops	-	-	-	-	-	-	-	-	-	-
3.	**Soil health and fertility management**	-	-	-	-	-	-	-	-	-	-
4	**Production of Inputs at site**	-	-	-	-	-	-	-	-	-	-
5	**Methods of protective cultivation**	-	-	-	-	-	-	-	-	-	-
6	**Others (pl.specify)**	-	-	-	-	-	-	-	-	-	-
7	**Post harvest technology and value addition**	-	-	-	-	-	-	-	-	-	-
7.a.	Processing and value addition	-	-	-	-	-	-	-	-	-	-
7.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
8	**Farm machinery**	-	-	-	-	-	-	-	-	-	-
8.a.	Farm machinery, tools and implements	-	-	-	-	-	-	-	-	-	-
8.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
9.	**Livestock and fisheries**	-	-	-	-	-	-	-	-	-	-
10	**Livestock production and management**	-	-	-	-	-	-	-	-	-	-
10.a.	Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
10.b.	Animal Disease Management	-	-	-	-	-	-	-	-	-	-
10.c	Fisheries Nutrition	-	-	-	-	-	-	-	-	-	-
10.d	Fisheries Management	-	-	-	-	-	-	-	-	-	-
10.e.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
11.	**Home Science**	-	-	-	-	-	-	-	-	-	-
11.a.	Household nutritional security	-	-	-	-	-	-	-	-	-	-
11.b.	Economic empowerment of women	-	-	-	-	-	-	-	-	-	-
11.c.	Drudgery reduction of women	-	-	-	-	-	-	-	-	-	-
11.d.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
12	**Agricultural Extension**	-	-	-	-	-	-	-	-	-	-
12.a.	Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
12.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	Total	**429**	**4511**	**1474**	**5985**	**-**	**-**	**-**	**4511**	**1474**	**5985**

Details of Vocational training programmes carried out for rural youth:

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Commercial floriculture	-	-	-	-	-	-	-	-	-	-
1.b.	Commercial fruit production	-	-	-	-	-	-	-	-	-	-
1.c.	Commercial vegetable production	-	-	-	-	-	-	-	-	-	-
1.d.	Integrated crop management	-	-	-	-	-	-	-	-	-	-
1.e.	Organic farming	-	-	-	-	-	-	-	-	-	-
1.f.	Others (pl.specify) Tea processing	2	4	10	14	-	-	-	4	10	14
	Tea cultivation	1	22	3	25	-	-	-	22	3	25
2	**Post harvest technology and value addition**										
2.a.	Value addition	-	-	-	-	-	-	-	-	-	-
2.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
3.	**Livestock and fisheries**										
3.a.	Dairy farming	-	-	-	-	-	-	-	-	-	-
3.b.	Composite fish culture	-	-	-	-	-	-	-	-	-	-
3.c.	Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
3.d.	Piggery	-	-	-	-	-	-	-	-	-	-
3.e.	Poultry farming	-	-	-	-	-	-	-	-	-	-
3.f.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
4.	**Income generation activities**										
4.a.	Vermi-composting	-	-	-	-	-	-	-	-	-	-
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.	-	-	-	-	-	-	-	-	-	-
4.c.	Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
4.d.	Rural Crafts	-	-	-	-	-	-	-	-	-	-
4.e.	Seed production	-	-	-	-	-	-	-	-	-	-
4.f.	Sericulture	-	-	-	-	-	-	-	-	-	-
4.g.	Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
4.h.	Nursery, grafting etc.	-	-	-	-	-	-	-	-	-	-
4.i.	Tailoring, stitching, embroidery, dying etc.	1	-	25	25	-	-	-	-	25	25
4.j.	Agril. para-workers, para-vet training										
4.k.	Others (pl.specify) Readymade garment making	1	-	17	17	-	-	-	-	17	17
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics	-	-	-	-	-	-	-	-	-	-
5.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	Grand Total	**5**	**26**	**55**	**81**	**-**	**-**	**-**	**26**	**55**	**81**

V. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	33	108	-	108
Diagnostic visits	1	96	-	96
Field Day	5	130	3	133
Group discussions	-	-	-	-
Kisan Ghosthi	-	-	-	-
Film Show	-	-	-	-
Self -help groups	-	-	-	-
Kisan Mela	-	-	-	-
Exhibition	1	47	-	47
Scientists' visit to farmers field	65	228	-	228
Plant/animal health camps	-	-	-	-
Farm Science Club	-	-	-	-
Ex-trainees Sammelan	-	-	-	-
Farmers' seminar/workshop	5	808	-	808
Method Demonstrations	3	65	-	65
Celebration of important days (Women in Agricultural day)	1	17	3	20
Special day celebration	-	-	-	-
Exposure visits	-	-	-	-
Others (pl.specify)				
Follow up visit to tea factories	103	309	-	309
Follow up visit to societies	413	2354	-	2554
Scientists' visit to tea factories	104	104	-	104
Advisory helpline	12	12	-	12
Farmers visit to KVK	6	135	-	135
Lectures delivered as resource persons	3	70	-	70
Total	**755**	**4483**	**6**	**4489**

Details of other extension programmes

Particulars	Number
Electronic Media	-
Extension Literature	3
News Letter	-
News paper coverage	16
Technical Articles	-
Technical Bulletins	-
Technical Reports	-
Radio Talks	-
TV Talks	26
Animal health amps (Number of animals treated)	-
Others (pl.specify)	-
Total	**45**

VI.PRODUCTION OF SEED/PLANTING MATERIAL

Production of seeds by the KVKs:

Crop category	Name of the crop	Name of the variety (if hybrid pl. specify)	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	-	-	-	-	-
Oilseeds	-	-	-	-	-
Pulses	-	-	-	-	-
Commercial crops	-	-	-	-	-
Vegetables	-	-	-	-	-
Flower crops	-	-	-	-	-
Spices	-	-	-	-	-
Fodder crop seeds	-	-	-	-	-
Fiber crops	-	-	-	-	-
Forest Species	-	-	-	-	-
Others	-	-	-	-	-
Total	-	-	-	-	-

Production of planting materials by the KVKs

Crop category	Name of the crop	Name of the variety (if hybrid pl. specify)	Number	Value (Rs.)	Number of farmers
Commercial	-	-	-	-	-
Vegetable seedlings	-	-	-	-	-
Fruits	-	-	-	-	-
Ornamental plants	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-
Plantation	-	-	-	-	-
Spices	-	-	-	-	-
Tuber	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-
Forest Species	-	-	-	-	-
Others	-	-	-	-	-
Total	-	-	-	-	-

Production of Bio-Products

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

Production of livestock and related enterprise materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals	-	-	-	-
Cows	-	-	-	-
Buffaloes	-	-	-	-
Calves	-	-	-	-
Others (Pl. specify)	-	-	-	-
Poultry	-	-	-	-
Broilers	-	-	-	-
Layers	-	-	-	-
Duals (broiler and layer)	-	-	-	-
Japanese Quail	-	-	-	-
Turkey	-	-	-	-
Emu	-	-	-	-
Ducks	-	-	-	-
Others (Pl. specify)	-	-	-	-
Piggery	-	-	-	-
Piglet	-	-	-	-
Others (Pl.specify)	-	-	-	-
Fisheries	-	-	-	-
Fingerlings	-	-	-	-
Others (Pl. specify)	-	-	-	-
Total	-	-	-	-

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS 2010-11

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil Samples	836	255	185	31876.00
Water Samples	11	14	10	314.00
Plant samples	0	0	0	0
Manure samples	17	8	8	4268.00
Others (specify) Wood, briquette, tea etc.	163	42	42	30930.00
Total	**1027**	**319**	**245**	**67388.00**

VIII. SCIENTIFIC ADVISORY COMMITTEE

Number of SACs conducted
1

IX. NEWSLETTER

Number of issues of newsletter published
4

X. RESEARCH PAPER PUBLISHED

Number of research paper published
1

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

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

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