PROFORMA FOR ANNUAL REPORT 2010-11

(FOR THE PERIOD APRIL 2010 TO MARCH 2011)

KRISHI VIGYAN KENDRA (THOOTHUKUDI)

GENERAL INSTRUCTIONS

Please these instructions very carefully before starting preparation

Sl. No.	Instructions
General	Annual report is the most important achievement report for the KVK and it directly reflects the overall achievements pertaining to the reported period. Hence due care need to be given at your end for preparing this.
	Period of Report if from April 2010 to March 2011
	Last date of receiving the soft copy through email to ZPD VIII is 20th April 2011 positively.
	Please prepare minimum of 20 good action photographs with relevant captions covering various mandated activities of the KVK in High resolution JPG format and send separately along with this report
	By carefully preparing Summary Table you are helping ZPD VIII to compile your report. Hence please prepare the Summary tables carefully tallying with the relevant portions of the main report on all aspects.
	In the soft copy alone you please retain the blank column and rows as such with - as the same would be easy for ZPD VIII to compile and analyze the data
1.7	Under demonstration unit, kindly give name of unit. Source of funding must be mentioned
3.B.	This should tally with the thrust areas given in Sl.No.2.7
3.B2.	This can be made in landscape table
4.A1 to 4.B.4	Total of 4.A.1 should tally with 4.B.1, 4.A.2 with 4.B.2, 4.A.3 with 4.B.3. and 4.A.4 with 4.B.4
5.A.	For example thematic area – popularization of variety, and under this thematic area if two varieties have been popularized, please give separately.
5.A and 5.B	Kindly ensure that hybrids mentioned are really hybrids and then incorporate in the appropriate column
4.A, 4.B, 4.C, 5.A and 5.B	In case of all OFTs and FLDs, raw data (data on OFT and FLD on individual farmers basis) is required to be maintained at KVK level carefully and all data for this report must be compiled based on the raw data.
7 .A to 7.H	Please ensure that the total figures are tallying properly
Part VIII	Extension activity under celebrations for each important day, please insert separate rows and give appropriate data separately. Clubbing of data may be avoided.
10.A	Monthly, quarterly and Annual Report of KVK are compilation reports only and need not be considered as Technical Reports.
Cover page	For sending to ZPD, cover page should be same as given in the first page of the format. In other words no need of putting photographs and other picture formats. The same may be included while submitting the final Annual Report during Annual Review Workshop.

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		
SCAD KVK Vagaikulam Thoothukudi	0461-2269306	0461-2269306	scad_kvk@yahoo.co.in pcscadkvk@gmail.com	

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

Address	Telephone		E mail	Web Address
	Office	Fax		
SCAD Bye pass road Vannarapettai Thirunelveli	0462-2501008	0462-2501007	scb_scad@yahoo.com	www.scad.org.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. V.Srinivasan	9943773002	9942978486	Srivivasan_v_2001@yahoo.com

1.4. Year of sanction: 1995

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 Or Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Vaccant									
2	SMS	Dr.V.Srinivasan	PC i/c	M	Vet. Medicine	M.V.Sc.,(Vet. medicine)	8000-275-13500	10750	08.07.1999	p	OTHERS
3	SMS	S.Sumathi	SMS	F	Home sci. Extension	M.Sc., (H.Sc.Ext.,)	8000-275 - 13500	10200	01.12.2000	p	OBC
4	SMS	P.Velmurugan	SMS	M	Horti.	M.Sc.,(Horticulture)	8000-275 - 13500	10200	30.01.2001	p	SC
5	SMS	Vaccant			Agronomy						
6	SMS	V.Mohan	SMS	M	Soil science	M.Sc.,(Soil Science)	8000-275 - 13500	8000	19.08.2009	p	SC
7	SMS	M.Ashok kumar	SMS	M	Plant prtection	M.Sc.,(Entomology)	8000-275 - 13500	8000	17.08.2009	p	OBC
8	Programme Assistant (Lab Tech.)/T-4	S.Manikandan	Prog.ast.	M	Fisheries	B.F.Sc.	8000-275 - 13500	5500	01.08.2009	p	OBC
9	Programme Assistant (Computer)/ T-4	Jaiganesh	Computer Prog.	M	Computer sci.	B.Sc.(Computer sci)	5500-175-9000	5500	31.08.2009	p	OBC
10	Programme Assistant/ Farm Manager	K.Damodaran	Farm Manager	M	Agriculture	B.Sc.,(Agri)	5500-175 - 9000	5500	01.08.2009	p	OBC
11	Assistant	S.S.Ganesan	accountant	M			5500-175 - 9000	7775	01.06.1996	p	OBC
12	Jr. Stenographer	S.Vimala	Stenographer	F			3050-75-	4025	01.06.1996	p	OBC

							4590				
13	Driver	Gulam rasul babu	Driver	M			3050-75-4590	4025	01.06.1996	p	OBC
14	Driver	James	Driver	M			3050-75-4590	4025	01.07.1996	p	OBC
15	Supporting staff	Rajash	Supporting staff	M			2550-3200	3275	01.12.1996	p	SC
16	Supporting staff	Xavier	Supporting staff	M			2550-3200	2975	12.11.2001	p	OTHERS

1.6. Total land with KVK (in ha) : 20.8 ha

S. No.	Item	Area (ha)
1	Under Buildings	2.0
2.	Under Demonstration Units	0.8
3.	Under Crops	1.0
4.	Orchard/Agro-forestry	1.0
5.	Others	7.0

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	2001	1100	42 Lakhs			
2.	Farmers Hostel	ICAR				02.03.2011	305	Base ment level
3.	Staff Quarters	ICAR	2007	650	24 Lakhs			
4.	Demonstration Units	ICAR	2006	200	1.89 Lakhs			
	1. Rabbit shed							
	2. Vermicompost unit							
5	Storage Godown	ICAR				02.03.2011	45	Base ment level
6	Vehicle cum Implement shed	ICAR				02.03.2011	60	Base ment level

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tempo cruiser	2004	4.96	225419	To be condemned
Bajaj boxer CT 100 delux	2004	0.39	42561	Road worthy
Hero Honda Splendor	2009	0.45	27512	Road worthy

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
OHP	1996	18315	ok
Slide projector	1996	14265	not in use
Electronic type writer	1996	19200	Not in use
Mf tractor and trailer	1999	362400	To be condemned
Photo copier	2005	82840	Ok
Computer with printer and accessories	2005	68800	Under repair and spares not available : to be condemned
Digital photo camera	2005	19990	Under repair : to be condemned
LCD projector screen and laptop computer	2007	98600	Under repair and spares not available : To be condemned

Fax machine	2009	15000	OK
Power tiller	2010	150000	OK
Generator	2011	150000	OK
AV aid	2011	15000	OK
EPABX	2011	15000	OK

1.8. Details of SAC meeting conducted in 2010-11

Sl.No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
1.		To be conducted in June 2011			

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	Dry farming – single crop in a year using NE monsoon , Major crops- chillies, pearl millet, maize, onion, fodder sorghum, sorghum, black gram , green gram, gingelly, sunflower, groundnut, castor, redgram, cotton, tomato, ,Brinjal, cluster bean. Major livestock – goat, sheep, backyard poultry, Cross breed cattle, Non descript cattle.
2	Garden land farming – two or three crops in a year using open or tube well irrigation. Major crops- vegetables, banana, groundnut, flowers, chillies, Drum stick, and cotton. Major livestock- cross bred cattle, goat, backyard poultry
3	Tank fed/ river command area farming – one or two crops in a year. Major crops – Banana and paddy. Major livestock – cross bred cattle, goat, backyard poultry
4.	Coastal region – Marine fishing, goat rearing ,salt pan workers

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

S. No	Agro-climatic Zone	Characteristics
01	Southern zone	The topography of the zone is undulating. This zone lies on the rain shadow area of the Western Ghats. The mean annual rainfall is 850mm with a contribution about 470mm from North East monsoon. The soil of this region falls under major groups viz., black, red, alluvial and lateritic. saline coastal alluvial soils are also present in the coastal belt. In black soil only one crop, either cotton or sorghum is raised. Direct seeded rice is cultivated under rain fed condition. On red soil, groundnut crop is raised. Under garden land conditions, Bajra and chillies form the major crops.

S. No	Agro ecological situation	Characteristics
01.	Hot semiarid eco region (H_1 D_2)	Hot and dry summers and mild winters with a mean annual rainfall of 600 to 1000mm and a length of growing period of 90-150 days in a year. Soil type- red loamy soil, Rain fed cultivation is the traditional practice with crops like millets, pulses, and oilseeds under irrigated conditions cotton, sugarcane and rice are the major crops . Severity of the soil erosion and drought due to poor moisture holding capacity of soil are the major constraints.
	Hot subhumid to semiarid eco region with coastal alluvium derived soil (S_7 CD_{2-5})	Crop growth period 90-210 + days, coastal alluvium soil type

2.3 Soil type/s

S. No	Soil type	Characteristics
01	Red loam	The red colour is due to the presence of various oxides of iron. They are poor in fertility, low base exchange capacity, and deficient in organic matter. The clay mineral is mainly kaolinite. The texture of the soil varies from loam to silt clay and clay loam. The pH is around neutral or slightly acidic. Some soils, due to lime bearing feldspar may have a higher pH range of 8.0.
02	Lateritic soil	Yellowish-red colour soils derived from laterites which contain a large proportion of primary kaolinite clay minerals. They exhibit plasticity, cohesion, shrinkage, and expansion and base saturation qualities to a small extent. They have poor water retention. The soils have a fairly high organic matter content but low level of lime and magnesia and are generally deficient in phosphorus and potassium. The pH of laterite soils is on the acidic side due to lack of lime and magnesia.
03	Black soil	They have a characteristic dark colour, varying from dark brown to deep black. They are formed by the weathering of trap rocks. These soils have a clay percentage ranging from 40-60%. The composition of clay is chiefly of the montmorillonite group and thus shows swelling and shrinking. The pH varies from 7.5 – 8.5.
04	Sandy coastal alluvial	These are sandy and deep but lack in profile development. Salinity is no problem due to the water table being low and thus having free drainage. These sandy stretches are put under coconut and cashew plantations.
05	Red sandy soil	These are derived from granites, graniloid, geneisses, quartzites and sand stones. The colours are due to red haematite and yellow limonite. Characteristic clay minerals are mainly kaolinitic and illitic types, with smaller amounts of montmorillonite, Base Exchange capacity is from 5 to 25 meq per 100 gm of soil and pH generally on the acidic side, ranging from pH 4.5-6.5

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

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)	% to the total area sown
1.	**A. FOOD GRAINS:**				
	a) CEREALS & MILLETS				
	Paddy	22401	108163	4829	12.71
	Cholam	9406	18998	2020	5.34
	Cumbu	11706	22994	1964	6.64
	b) PULSES				
	Blackgram	30351	12988	428	17.22
	Greengram	28736	8825	307	16.30
2	**B. FIBRE**				
	Cotton	3634	3923 (in bales)	1.08(in bales)	2.06
3.	**C. OIL SEEDS**				
	Groundnut	885	1152	1301	0.5
	Gingelly	2174	814	375	1.23
	Sunflower	2078	874	421	1.18
4.	**D. OTHER CROPS**				
	Chillies	14249	5540	389	8.08

Source: Department of Economics and Statistics, Chennai.-6 Season and Crop Report Published For 2008-2009 (Latest Public citation)

2.5. Weather data (Year 2009-10)

Month	Rainfall (mm)	Temperature ^{0} C		Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
June -09	7.0	35.7	28.3	82	43
July	16.5	35.2	27.9	80	48
August	22.5	34.7	28.1	81	54
September	40.8	34.5	27.8	80	54
October	151.6	32.8	26.8	82	64
November	174.4	29.8	25.4	91	79
December	84.1	29.5	25.1	89	76
January 2010	28.4	29.8	24.4	89	73
February	18.2	30.6	25.0	90	72
March	26.8	32.7	27.2	87	71
April	55.1	33.9	28.7	84	73
May	30.3	34.9	29.5	84	64

Source: 1. Scientific officer, Meterological Observatory, Tuticorin post trust (Temperature and Humidity)
2. Dept.of Eco.and Statistics , Chennai -6 (for rainfall)

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

Category	Population	Production	Productivity
Cattle	107215		
Crossbred		**NA**	**NA**
Indigenous			
Buffalo			
Sheep	107215		
Crossbred			
Indigenous			
Goats	333331		
Pigs	1865		
Crossbred			
Indigenous			
Rabbits	**NA**		
Poultry	401658		
Hens			
Desi			
Improved			
Ducks			
Turkey and others			

Source: Regional Joint Director of Animal Husbandry. Thoothukudi

Category	Area	Production	Productivity
Fish			
Marine	**163.5 km**	**41050 tonnes**	**-**
Inland		**5584 tonnes**	**750 kg/ha/yr**
Prawn	**NA**	**NA**	**NA**
Scampi	**NA**	**NA**	**NA**
Shrimp	**NA**	**NA**	**NA**

Source: Assistant Director of Fisheries ,Thoothukudi

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

2.8 Details of Operational area / Villages

Sl. No.	Taluk	Blocks/groups of villages	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises being practiced	Major problems identified	Identified thrust areas
1	Ottapidaram	Pudhupacheri Sevalkulam Pachaiperumalpuram Sankarajapuram S pudhur Jambulingapuram	8	Rice	Poor yield due to Improper utilization of resources, stemborer and leaf folder problem	SRI, Drum seeder
				Groundnut	Groundnut – Lower yield and poor quality grains due to improper appln of fertilizers	Integrated Nutrient Management (INM)
				Chilli	Chilli – Damping off disease, Sucking pests problems	IDM & INM
				Goat	Contagious diseases like Anthrax,HS,, pox ,and PPR leads to animal death. Reduction of Animal weight due to ecto and endo parasitism	Vaccination against Contagious diseases. Promotion of animal insurance VLWC's – deworming and delousing
				Back yard poultry rearing	Mortality in birds due to ranikhet disease, Poor performance in birds due to intestinal worm infection, Lack of interest in poultry rearing due to predator problem	Training on the economic importance of backyard poultry Vaccination and deworming for the backyard poultry Introduction of safe country housing models
				Dairy farming	Infertility in cows Production diseases in cows	Breeding and feeding management in cows
					Mastitis	Prevention measures for mastitis
					Ill thrift in calves	Control of endo and ecto parasites
					Mortality in cows due to infectious diseases	Vaccination against infectious diseases
					water and fodder scarcity for cattle rearing	Silvi pasture
				Livestock rearing	Lack of veterinary service in rural villages	Promotion of veterinary link workers
2	Ottapidaram	Araikulam Kuppanapuram Keelamangalam Melamangalam Sillankulam Nagampatti	8	Bhendi	Bhendi –Fruit borer and Yellow vein Mosaic diseases problems	Bio intensive Pest Management (BIPM) & introduction of resistant varieties

				Chilli	Chilli –fruit dropping, Damping off disease, Sucking pests	IDM & Bio intensive Pest Management (BIPM), varietal introuduction
				Groundnut	Poor yield due to improper application of nutrients	ICM, Varietal introduction
				Blackgram, Greengram,	B/G grams – Aphid problem during cultivation and Pulse beetle problem during storage	ICM
3	Ottapidaram	Osanoothu Kombadi thalavaipuram Kulasekaranallore Akkanayakkanpatti	4	Cotton	Poor yield due to Sucking pests and borer problem	Bio intensive Pest Management (BIPM)
				Bhendi	Fruit borer and Yellow vein Mosaic diseases problems	Bio Intensive Pest Management & Introduction of resistant varieties
				Brinjal	Shoot and Fruit borer problem	BIPM
				Chilli	Damping off disease, Sucking pests	BIPM & IDM
				Blackgram/ Greengram	Pulse beetle problem during storage and poor yield due to poor nutrient application	IPM
				Back yard poultry rearing	Mortality in birds due to ranikhet disease, Poor performance in birds due to intestinal worm infection, Lack of interest in poultry rearing due to predator problem	Training on the economic importance of backyard poultry Vaccination and deworming for the backyard poultry Introduction of safe country housing models
4.	Ottapidaram	Sindhalakattai Kakkarampatti Avarankadu Veppalodai	4		Poor sanitation	Eco sanitary toilet
5	Vilathikulam	Sivaganapuram A lakshmipuram K kumarettiyapuram Namasivayapuram Arunkulam	8	Cumbu, Tinai, sorghum	Poor marketing of agricultural produce Poor yield due to local varieties, earhead caterpillar in cumbu	Formation of commodity groups Indigenous low cost storage facility promotion
				Blackgram, Greengram	Poor pod setting due to improper appln. Nutrients and pest management, labour scarcity weed management	Pre monsoon sowing in pulses Introduction of Short duration and drought resistant and high yielding varieties in pulses , introduction of dry land weeder
				Chilli	Flower and fruit drops due to improper application of nutrients and pesticides	INM & IPM practices
				Back yard poultry	Mortality in birds due	Training on the economic

				rearing	to ranikhet disease, Poor performance in birds due to intestinal worm infection, Lack of interest in poultry rearing due to predator problem	importance of backyard poultry Vaccination and deworming for the backyard poultry Introduction of safe country housing models
				Dairy farming	Infertility in cows Production diseases in cows	Breeding and feeding management in cows
					Mastitis	Prevention measures for mastitis
					Ill thrift in calves	Control of endo and ecto parasites
					Mortality in cows due to infectious diseases	Vaccination against infectious diseases
					water and fodder scarcity for cattle rearing	Silvi pasture
				Livestock rearing	Lack of veterinary service in rural villages	Promotion of veterinary link workers
				Agri waste	Burning of agri wastes	Introduction of vermicompost and Anila stove
6	Vilathikulam	Vedapatti Virushampatti Lakkampatti Mamunainarpuram Ilanthaikulam Keelavilathikulam	4	Chilli	Chilli – Poor nutrient management	INM
				Cotton	Cotton-Sucking pests problem	IPM
				Onion	Onion-purple blotch	IDM
				Back yard poultry rearing	Mortality in birds due to ranikhet disease, Poor performance in birds due to intestinal worm infection, Lack of interest in poultry rearing due to predator problem	Training on the economic importance of backyard poultry Vaccination and deworming for the backyard poultry Introduction of safe country housing models
7	Vilathikulam	Soorankudi Thangammalpuram Kumarasakkanapuram Veerakanchipuram	4	Sunflower	Poor seed setting due to Zn and pest out break	INM&IPM
				Gingelly	Poor plant population maintenance and poor application of micro nutrient	INM
				Back yard poultry rearing	Mortality in birds due to ranikhet disease, Poor performance in birds due to intestinal worm infection, Lack of interest in poultry rearing due to predator problem	Training on the economic importance of backyard poultry Vaccination and deworming for the backyard poultry Introduction of safe country housing models
		Vadakkuseval, Kunjayapuram, pachayapuram, K subramaniyapuram,	3	Palmyra	Lack of knowledge on value added product preparation	Training on palmyra value added preparation

		vembar				
		Sidhavanayakkanpatti Vilvamarathupatti Padanthapuli	3	Maize prosopis	Poor nutrient management Lack of knowledge on value added product preparation	INM Scientific charcoal making demonstration
8	Tuticorin	Varatharajapuram Umarikottai Thattaparai N.Sillukanpatti Thalavaipuram Kallanparambu	7	Green gram Black gram Chilli Promotion of kitchen garden and medicinal garden Goat and Milch animal rearing Poultry Women drudgery	• Moisture stress & poor soil fertility • Low yield due to local seeds • Flowers and fruit drop Nutritional deficiency in human being • Health hazards • Poor shelf life of the produce • Mortality in kids due to enteritis • Lack of awareness on poultry management • Increased drudgery of farm women in cooking • Improper utilization of agricultural waste • Health hazards	• Seed hardening Foliar nutrition • Introduction of HYV and Short duration varieties • Use of hormonal application • Promotion of kitchen garden in backyard of house holds • Promotion of vegetable preservator • Introduction of Anila stove
9		Perurani V.R.Patti Thimmarajapuram Allikulam Andal nagar M. Kootunkadu	6	Jasmine Marikolundhu Kanagambaram Paddy Women drudgery Goat and Milch animal rearing Poultry	• Non availability of flower round the year • Heavy incidence of wilt • Low yield and • Increased cost of inputs and labour • Increased drudgery of farm women • Improper utilization of agricultural waste • Health hazards • Mortality in kids due to enteritis • Lack of awareness on poultry management	Pruning and INM IPM Paddy direct seeding along cono weeder Introduction of Anila gasifier stove
10		Korampallam Athimarapatti Kuliankarisal Kootampuli Sawerpuram	4	Paddy Banana	• Low production due to imbalance fertilizer application • Poor grain quality and low test weight due to zinc deficiency • Soil salinity • Incidence of stem borer and leaf folder • Labour shortage and increased	Soil test and LCC based fertilizer management Zinc management Introduction of RMD var IPM SRI Foliar application of Micronutrient

				Rice fallow pulses All crops	cost of inputs • Yield level getting reduced due to non application of micro nutrient • Wilt incidence • Cigar end rot in nendran • Low productivity per area • Low yield due to local var • Incidence of YMV • Poor microbial activity in soil and low organic matter • Low price for commodity Soil and water pollution	Precision farming Introduction of short duration HYV IPM Vermicompost and bio fertilizer • Formation of commodity groups • Delayed marketing • Organic farming • Biopesticides
11		Meenavar colony Loorthammalpuram Thainagar	5	IGP Nutritional problem	1. Less subsidiary occupation 2. Seasonal employment 3. Malnutrition 4. Deficiency disease 5. Imbalanced diet 6. Unhygienic condition 7. Lack of awareness 8. Imbalanced diet	Alternate employment • Awareness on nutrition and allied activities • Promotion of Eco sanitation toilet
12	Srivaigundam	Singithurai	5	Marine fisheries	Low fish landing	• Awareness • Information center • Demonstration
13	Thiruchendur	Veerapandiapatnam	5	Fisheries	• Improper fish drying leading to low value dry fish production	• Club formation • Improved drying technology • Availing loan
14	Udangudi	Manapadu	5	Marine fisheries	Low fish landing	• Awareness • Information center • Demonstration
					Absence of information center	• Installing information center • GPS demonstration
15	Alwarthirunagari	Paripoorana nagar	5	Fisheries	Lack of awarness in fish value addition	• Awareness, Training • Packing style • Market arrangement • Storage • Club formation

2.9 Priority Thrust Areas

S. No	Thrust area
1.	Promotion of soil test based nutrient management
2.	Improvement of soil fertility through sustainable practices
3.	Promotion of ICM practices for major crops like Paddy, Banana, Chilli, Maize, Blackgram, Green gram, Tomato, Onion, and Cotton
4.	Promotion of ecological pest control measures and organic farming techniques
5.	Promotion of Bio fertilizers and Vermicompost usage
6.	Promoting Tree planting in wastelands and in the backyards
7.	Ensuring nutritional security of farm women through Kitchen gardening, storage and healthy cooking habits
8.	Promotion of value added product preparation from prosopis juliflora , milk ,fishes ,banana ,and minor millets
9.	Promotion of alternative poultry farming , improved backyard poultry breeds, and artificial incubation of eggs.
10.	Promotion of comprehensive disease control measures in livestock
11.	Promotion of feeding and breeding management in cattle and goats
12.	Promotion of inland freshwater fish cultivation in village ponds

PART III - TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
7	6	120	110	10	9	105	125

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
342	418	7100	9148	1500	1473	20000	28516

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
6	8.8	33500	98580

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
20 goats	12 goats	650	3976
1000 chicks	3100 chicks		
10000 fish fingerlings	10000 fish fingerlings		

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	Promotion of soil test based nutrient management	All crops				04	02	04	02					
2	Improvement of soil fertility through sustainable practices	Banana	Low yield due to Poor soil fertility status	Assessing the utility of enriched biocharcoal soil sinking for improving the soil quality and yield in banana		04	00	01	01					10,000
3	Promotion of ICM practices for major crops like Paddy, Banana, Chilli, Maize, Blackgram, Green gram, Tomato, Onion, and Cotton	Paddy	Low yield due to pest and diseases			02								
		Banana	Low yield due to micro nutrient and potassium deficiency		ICM practices in Banana	02		01	10					
		Chilli			Demonstration of G4 chilli variety for better quality and yield	01								
		Maize			Mechanisation in maize : seed drill, Desheller	02		01	12					

		Black gram			High yielding drought resistant and YMV resistant Black gram variety VBN 4 with ICM practices	06		01	18					
		Tomato		Assessing the performance of hybrid tomato variety		01			02					
		Onion			Highyielding aggregatum seed onion variety for better productivity	01			04					
4	Promotion of ecological pest control measures and organic farming techniques	Moringa		Ecologicval fruit fly control		01	01	01	06					
		Bhendi		Assessment of suitability of bhendi hybrid		01		01	05	0.3				
5	Promotion of Bio fertilizers and Vermicompost usage	All crops	High fertilizer cost due to non-usage of bio fertilizers ,			12	02	12	20					2010
6	Promoting Tree planting in wastelands and in the backyards	Tree crops	Lands are left as fallow due to labour shortage or low productivity			20	04	12	30		85,000			

7	Ensuring nutritional security of farm women through Kitchen gardening, storage and healthy cooking habits		Nutritional deficiencies among farm women , Non availability of green vegetables in the rural villages, Poor storage facilities in village households		Demonstration on the utility of Vegetable preservator in extending the storage life of vegetables at the farm gate level	04	02	04	12	3.0				250
8	Promotion of value added product preparation from prosopis juliflora , milk ,fishes ,banana ,and minor millets	Value addition of agriculture produces	Low return from direct sales of agriculture produces			20	02							
9	Promotion of alternative poultry farming , improved backyard poultry breeds, and artificial incubation of eggs.	Poultry	Mortality in birds due to ranikhet disease	Assessing the utility of different ranikhet disease vaccines in backyard rearing	Promotion of improved backyard poultry breeds and homestead incubator	5	7	03	30			2500		
10	Promotion of comprehensive disease control measures in livestock	Goat	Mortality and ill thrift in goats due to infectious diseases and ecto-endo parasitism		Comprehen sive disease control in goats for better productivity	04	02	02	32					
		Cattle	Mastitis and infectious diseases affecting the productivity in cattle farming			04	01	01	25					
11	Promotion of feeding and breeding management in cattle and goats	Dairy cattle	Delayed fertility in dairy cattle	Manageme nt of post partum anaestrum in dairy cows		02	01	01	32					

			High cost of concentrate feeding	Prosopis juliflora pod flour as an alternative concentrate ingredient for dairy cows		03		01	12					
		Green fodder	Non availability of green fodder		Promotion of cumbu napier hybrid CO-4 for dairy cattle and goats	04	02	01	12		40,000			
12	Promotion of inland freshwater fish cultivation in village ponds	Fisheries	Unutilized village common water resources Village Pond water drying within 5-6 months		Composite fish culture in village ponds	12	6	6	24			10000		

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			
				OFT	FLD	Training	Others (Specify)	General		SC/ST													
								M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
01	Bhendi variety – Arka Anamika	ICAR	Bhendi	1		2	Field day	5		5						12		12		12	0	12	0
02	Bhendi variety – CO-Bh-1	TNAU	Bhendi	1		2										12		12		12	0	12	0
03	Prosopis pod flour as an alternative concentrate feed ingredient	CAZRI, Jodhpur	Dairy cattle	1		2	Exhibition									25	12	6	4	212	217	58	62
04	Composite fish culture in village ponds	TANUVAS	Fish		1	24	Exhibition, film show					5	3	9	7	12	8	19	25	124	65	28	60
05	Ecological fruity fly control in Moringa	TNAU	Moringa	1		2	Field day	6		4													
06	Ranikhet disease vaccine- Lasota	TANUVAS	Poultry	1		4	Exhibition, film show	10	5							45	21	30	16	15	12	5	8
07	Ranikhet disease vaccine- RDVK	TANUVAS	Poultry	1		4		10	5							45	21	30	16	15	12	5	8
08	Ranikhet disease vaccine- Oral pellet vaccine	TANUVAS	Poultry	1		4		10	5							45	21	30	16	15	12	5	8
09	Tomato hybrid – COTh 2	TNAU	Tomato	1		2	Field day	4	4	2	2					15	14	12	18				
10	Tomato variety – KKM-1	TNAU	Tomato	1		2		4	4	2	2					15	14	12	18				
11	Oestrus induction with PGF2Alpha	TANUVAS	Dairy cattle	1		2		3	3	3	3					14	15	12	6				
12	Oestrus induction in Post partum anaestrum cattle with CIDR	TANUVAS	Dairy cattle	1		2		1	3	0	2					14	15	12	6				
13	Enriched biochar soil sinking	International Biochar research	Banana	1		4		5		5						10	14	12	8				
14	ICM in banana	TNAU, IIHR, NRC banana	Banana		1	4						10				15	17	12	10				
15	Comprehensive disease control in goats	TANUVAS	Goat		1	18						15	15	15	15	24	18	14	12				
16	Chilli variety – G4	ANGRAU	Chilli		1	2						6		4		15	17	12	10				

17	Low cost efficient vegetable preservator	CRIDA	Vegetable preservation		1	4	Exhibition,						4		2	14	15	12	6				
18	Maize de Sheller, seed cum fertilizer drill	TNAU	Maize mechanisation		1	4	Exposure visit, field day						12		6	15	5	12	6				
19	Improved back yard poultry breed – Vanaraja	PDOP, Hyderabad	Backyard poultry		1	4	Exposure visit, exhibition, field day					5	10	5	5	150	210	45	80				
20	Improved back yard poultry breed – Colour broiler	TANUVAS	Backyard poultry		1	4	Exposure visit, exhibition									150	210	45	80				
21	Improved Japanese quail breed – nandanam III	TANUVAS	Japanese Quail			4	Exhibition,									15	5	12	6				
22	Cage system of backyard poultry rearing under semi intensive system	TANUVAS	Backyard poultry		1	6	Exhibition,									150	210	45	80				
23	Homestead low cost incubator for hatching backyard poultry eggs	TANUVAS	Backyard poultry hatchery		1	6	Exhibition,					6	4	4	3	150	210	45	80				
24	Small onion seed variety Co(ON)-5	TNAU	Onion		1	2						6	4			15	16			12	15	14	12
25	Green fodder- CN hybrid CO-4	TNAU	Green fodder		1	2	Field day, exhibition					8		2		12	10	6	6	12	10	6	6
26	Green fodder – hedge lucerne	TNAU	Green fodder			2										12	10	6	6				
27	Green fodder - calopogonium	ICAR	Green fodder		1	2	Film show									30	30	20	20	30	30	20	20
28	Green fodder- CoFS 29	TNAU	Green fodder			2	Seed production under PPP mode									30	30	20	20				
29	Black gram drought and YMV resistant variety	TNAU	Blackgram		1	3	Seed production under PPP mode					10	5			10	5			25	18		

PART IV - On Farm Trial

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management				3						3
Varietal Evaluation					3					3
Integrated Pest Management					3					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										
Mushroom cultivation										
Total				3	6					9

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

-NIL-

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

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds						
Nutrition Management						
Disease of Management		3				3
Value Addition						
Production and Management	3					3
Feed and Fodder	2					2
Small Scale income generating enterprises						
TOTAL	5	3				8

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

-Nil-

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	Banana	Assessing the utility of enriched biocharcoal soil sinking for improving the soil quality and yield in banana	3	10	5
Varietal Evaluation	Bhendi	Assessment of suitability of bhendi hybrid variety for pest and disease resistance	3	10	1
Integrated Pest Management	Drumstick	Ecological control of fruitfly in moringa	3	10	1
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			9	30	7

4.B.2. Technologies Refined under various Crops

-NIL_

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

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds				
Nutrition management				
Disease management	Backyard poultry	Control ranikhet disease using different vaccines and route of vaccines	3	60
Value addition				
Production and management	Dairy farming	Post partum anaestrum management using different Mineral mixtures and hormonal methods	3	10
Feed and fodder	Dairy farming	Prosopis pod flour as an alternative concentrate feed ingredient for dairy cows	2	10
Small scale income generating enterprises				
Total			8	80

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

-NIL

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
Dairy Cows	Semi intensive system of rearing	Increased cost of concentrate feeding reduced profitability in dairy farming	Introduction of prosopis pod flour as an alternative concentrate feed for dairy cows	2	T-1 Farmers practice-Concentrate feeding (@ 1kg/3.5lit of milk/day + grazing + straw feeding	Milk yield cost reduction per day	8.5 lit/day Rs.0/day	Cost of concentrate feeding remains high			
					T-2 Alternate practice-Replacement of wheat bran in the concentrate feed with prosopis juliflora pod flour and feeding the mix @ 1kg/3.5lit of milk /day +grazing + straw feeding	Milk yield cost reduction per day	8.5 lit/day Rs.3/day	Replacement of Prosopis pod flour instead of wheat bran feeding along with concentrate feed results in same quantity of milk production increase in milk yield	Prosopis pod feeding is seems to have potential to replace the regular concentrate feed ingredient like wheat bran to reduce the cost of concentrate feeding		
Dairy cow	Semi intensive system	Increased intercalving period and infertility in dairy cows	Management of post partum anoestrous in dairy cows	3	**T-1** No mineral mixture feeding + AI during the normal oestrus cycles	1)Time required for first heat from calving 2) No.of inseminations required for pregnancy 3) Intercalving period 4) percentage of animals become pregnant	141 days 4.85 585 days 85 %	intercalving period was very high			
					T-2 Mineral mixture @ 50 g daily/3 months + AI during normal oestrus cycles	1)Time required for first heat from calving 2) No.of inseminations required for pregnancy 3) Inter calving period 4) percentage of animals become pregnant	103.8 days 5.63 501.25 days 100 %	it is a very useful technology to reduce the inter calving period in cattle, but still could not able to achieve one calf a year target			

					T -3 Mineral mixture @ 50 g daily/3 months + Priming of the ovaries with pervaginal CIDR Progesterone implant followed by oestrus induction with PGF2alpha and fixed time insemination	1)Time required for first heat from calving 2) No.of inseminations required for pregnancy 3) Intercalving period 4) percentage of animals become pregnant	114.2 days 2.33 392.5 days 100 %	it is a very useful technology to reduce the inter calving period in their cattle **Very promising technology to achieve one calf a year target**	Very useful technology but required the 100% assistance of the veterinarian. If the drug/hormone used are available in easy to handle form for the farmers themselves then this can pick up very well even in remote villages.		
Backyard Poultry	Semi intensive system of rearing	Mortality in backyard chicks and adults birds due to ranikhet disease	Assessment of oral pellet vaccine in controlling the ranikhet disease in backyard poultry chicks	3	T-1 Farmers practice- no vaccination	1. Occurrence of Ranikhet disease in chicks 2. Occurrence of ranikhet disease in adult birds 3. Mortality in chicks due to ranikhet disease	65 % 85% 100%	Very high mortality in birds due to ranikhet disease was noticed			
		Non availability of veterinary service in the rural villages at the needy time of the farmers,			T-2 Lasota Vaccine – 1st week + R2B in the 8th week + RDVK on the 3rd month	1. Occurrence of Ranikhet disease in chicks 2. Occurrence of ranikhet disease in adult birds 3. Mortality in chicks due to ranikhet disease	0 % 0% 0%	Effective in preventing the ranikhet disease incidence	effective in controlling the disease but vaccine in small dosage is not available and hence can not be adopted for the small backyard poultry units		
		non availability of smaller dose vaccines, and oral route vaccines which require less skill for adoption			T-3 Oral pellet vaccine– 1st week and in the 8th week + RDVK on the 3rd month	1. Occurrence of Ranikhet disease in chicks 2. Occurrence of ranikhet disease in adult birds 3. Mortality in chicks due to ranikhet disease	0 % 0% 0%	Effective in preventing the ranikhet disease incidence in backyard poultry	Effective in controlling the disease and available in smaller dose vials. And hence cost effective . requested regular supply through commercialization of the technology		
Drum stick	Irrigated	Fruiting season heavy incidence of fruit fly damage reduce yield of drumstick production	Drumstick fruit fly Management	3	T-1 Endosulfan 1ml/lit- spray	No of fruit infected Yield / Ha	30% 35 t/ha	Farmers practice is not effective in control of fruity fly incidence	Not effective		

					T-2 Dicholorvas spray + lindane dust soil raking	No of fruit infected Yield / Ha	15% 40 t/ha	Though effective still the fruits are affected results in reduction in yield	Effective but involved chemical usage which is not suitable for organic cultivation		
					T-3 Spinaosad and neem oil spray + grape juice trap	No of fruit infected Yield / Ha	5% 47 t/ha	Ecological fruit fly control using Spinosad and neem oil spray with grape juice trap effectively controlled the fruit fly damage in moringa tree	Very effective but required extra effort		
Bhendi	Irrigated	Low yield due to YMV and poor varietal selection	Assessment of suitability of bhendi hybrid variety for pest and disease resistance	3	T-1 Arka Anamika	YMV incidence Fruit borer Yield	50% 25%	Highly susceptible to YMV	Not fetching good return of the money invested		
					T-2 MH 60	YMV incidence Fruit borer Yield	5% 15%	Resistant to YMV	Very good market preference and suitable for cultivation without high pesticide usage to contain white fly		
					T-3 Co(Bh)-1	YMV incidence Fruit borer Yield	5% 15%	Co(Bh)-1 is Resistant to YMV and recorded the minimum YMV incidence of 5% against farmers practice 50% incidence.	Very good market preference and suitable for cultivation without high pesticide usage to contain white fly		
Banana	Irrigated	Low bunch weight and yield in banana due to poor soil fertility	Assessment of application of enriched biocharcoal soil sinking in improving the soil fertility and yield in banana	3	T-1 Soil application rice hull ash @ 2kg/sucker	Soil physical and microbial properties Root growth Bunch weight	OFT is in progress crop is in harvest stage				
					T-2 FYM @ 12.5 t/ha	Soil physical and microbial properties Root growth Bunch weight	OFT is in progress crop is in harvest stage				

					T-3 Soil application of enriched biocharcoal @ 2kg/sucker	Soil physical and microbial properties Root growth Bunch weight	OFT is in progress crop is in harvest stage				

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-1 Farmers practice- Concentrate feeding (@ 1kg/3.5lit of milk/day + grazing + straw feeding	TANUVAS	2550	Lit/cow/305day milk yield	8500/cow	1.59
T-2 Alternate practice- Replacement of wheat bran in the concentrate feed with prosopis juliflora pod flour and feeding the mix @ 1kg/3.5lit of milk /day +grazing + straw feeding	CAZRI, Jodhpur	2550	Lit/cow/305day milk yield	9400/cow	1.65
T-1 No mineral mixture feeding + AI during the normal oestrus cycles	TANUVAS	1)Time required for first heat from calving 2) No.of inseminations required for pregnancy 3) Intercalving period 4) percentage of animals become pregnant	141 days 4.85 585 days 85 %	Rs.5500/annum	1.1
T-2 Mineral mixture @ 50 g daily/3 months + AI during normal oestrus cycles	TANUVAS	1)Time required for first heat from calving 2) No.of inseminations required for pregnancy 3) Inter calving period 4) percentage of animals become pregnant	103.8 days 5.63 501.25 days 100 %	Rs.7000/annum	1.3
T -3 Mineral mixture @ 50 g daily/3 months + Priming of the ovaries with pervaginal CIDR Progesterone implant followed by oestrus induction with PGF2alpha and fixed time insemination	TANUVAS	1)Time required for first heat from calving 2) No.of inseminations required for pregnancy 3) Intercalving period 4) percentage of animals become pregnant	114.2 days 2.33 392.5 days 100 %	Rs.10000/annum	1.9

T-1 Farmers practice- no vaccination	Farmers practice	1. No.of survived birds per unit of 10 2. Aveg.body weight at 4th month	6.5 1.22 kg/bird	7.93kg/unit	1.4
T-2 Lasota Vaccine – 1st week + R2B in the 8th week + RDVK on the 3rd month	TANUVAS	1. No.of survived birds per unit of 10 2. Aveg.body weight at 4th month	10 1.25 kg/bird	12.5kg/unit	2.21
T-3 Oral pellet vaccine– 1st week and in the 8th week + RDVK on the 3rd month	TANUVAS	3. No.of survived birds per unit of 10 4. Aveg.body weight at 4th month	10 1.23 kg/bird	12.3kg/unit	2.24
T-1 Endosulfan 1ml/lit- spray	FP	Moringa fruit yield	35 T/ha	Rs.65000/ha/yr	1.35
T-2 Dicholorvas spray + lindane dust soil raking	TNAU	Moringa fruit yield	40 T/ha	Rs.75000/ha/yr	1.48
T-3 Spinaosad and neem oil spray + grape juice trap	TNAU	Moringa fruit yield	47 T/ha	Rs.90000/ha/yr	1.72
T-1 Arka Anamika	TNAU	Bhendi fruit yield	35qtl/ha	Rs.8500/ha	1.35
T-2 MH	Mahy.co Pvt.ltd.	Bhendi fruit yield	97qtl/ha	Rs.38500/ha	4.2
T-3 Co(Bh)-1	TNAU	Bhendi fruit yield	90qtl/ha	Rs.32000/ha	3.8
T-1 Soil application rice hull ash @ 2kg/sucker	Farmers practice (ITK)	Crop is in harvest stage			
T-2 FYM @ 12.5 t/ha	TNAU	Crop is in harvest stage			
T-3 Soil application of enriched biocharcoal @ 2kg/sucker	International Biochar research, U.K.	Crop is in harvest stage			

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

1 Title of Technology Assessed

2 Problem Definition

3 Details of technologies selected for assessment

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

4.D1. Results of Technologies Refined

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 for Technology Option1 / Justification for modification of assessed Technology Option 1	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
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	
	Oilseeds													
	Pulses	Dry land farming	R/s 2010-11	Black gram	VBN BG-4		Promotion of high yielding new varieties	• resistant variety for YMV disease • Biofertilizers soil application • Rhizobium-seed treatment • Targa super (Quizalo)Weedicide application to control weed, • Zinc sulphate basal application • DAP for foliar application- • Monocrotopos spary to control pests,	6	6		15	15	
	Cereals													
	Millets	Dry land farming	R/s 2010-11	Maize		Pioneer B-11	Promotion of high yielding new varieties	ICM	6	6	5	10	15	
	Vegetables	Irrigated	R/s 2010-11	Onion	Co-5		Introduction of high yielding varieties	Small onion seed variety CO-5	1	1	4	6	10	
	Flowers													
	Ornamental													
	Fruit	Tankfed –	Kharif 2010-	Banana	Robusta		Integrated crop	• Foliar MN spray-IIHR mix	2	2	2	8	10	

		irrigated	summer 2011				management	• Bunch covering with Polythene sheet • Corm injection with 2% carbendazim (wilt) • Stem injection with monocrotophos (Pseudostem weevil)						
	Spices and condiments	Irrigated	r/s 2010-11	Chilli	G-4		Introduction of high yielding varieties	Varietal introduction of G4 chilli and IPM for fruit borer	4	4	4	6	10	
	Commercial													
	Medicinal and aromatic													
	Fodder	Irrigated	Dec- 2010	CN Hybrid		Co -4	Promotion of green fodder cultivation	CO-4 Fodder cultivation, Harvest, chopping and feeding to livestock	1	1	2	8	10	
	Plantation													
	Fibre													
	Dairy													
	Poultry	Semi intensive system of rearing	Dec 2010	Backyard poultry	Vanaraja		Promotion of improved backyard poultry rearing	Scientific rearing of improved backyard poultry breed: Vanaraja, Cage system of backyard poultry rearing to protect from predatos Homestead low cost incubator for hatching backyard poultry			5	10	15	

								eggs						
	Rabbitry													
	Pigerry													
	Sheep and goat	Semi intensive system of rearing the goats	Kharif 2010 and R/s 10-11	Goat	Non Descript		Disease prevention in goats	Vaccination against infectious diseases like HS,ET,PPR Deworming and Deticking	250 goats	400 goats	20	20	40	
	Duckery													
	Composite fish culture	Semi intensive	2010-2011	Fish	Catla,rohu,,mrigal,common carp,grass carp		Promotion of fish culture in potential village common water bodies	Composite fish culture	5	12	16	8	24	
	Mussels													
	Ornamental fishes													
	Oyster mushroom													
	Button mushroom													
	Vermicompost													
	Sericulture													
	Apiculture													

	Implements	Dry land farming	r/s 2010-11	Maize		Pioneer	Promotion of mechanized farming	maize thresher cum dehusker	5	5	2	8	10	
		House hold storage	r/s 2010-11	vegetables			Extending the shelf life of vegetables using low cost preservators	Vegetable preservator (CRIDA model)	5	5	1	4	5	
	Others (specify)													

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	Status of soil			Previous crop grown
									N	P	K	
	Oilseeds											
	Pulses	Dry land farming	R/s 2010-11	Black gram	VBN BG-4		Promotion of high yielding new varieties	• resistant variety for YMV disease • Biofertilizers soil application • Rhizobium-seed treatment • Targa super (Quizalo)Weedicide application to control weed, • Zinc sulphate basal application • DAP for foliar application- Monocrotopos spary to control pests,	70.2	12.5	165.4	Bajra, sorghum, chilli
	Cereals											
	Millets											
	Vegetables	Irrigated	R/s 2010-11	Onion	Co-5		Introduction of high yielding varieties	Small onion seed variety CO-5	76.35	4.24	152.4	Chilli

	Flowers											
	Ornamental											
	Fruit	Tankfed – irrigated	Kharif 2010-summer 2011	Banana	Robusta		Integrated crop management	• Foliar MN spray- IIHR mix • Bunch covering with Polythene sheet • Corm injection with 2% carbendazim (wilt) • Stem injection with monocrotophos (Pseudostem weevil)	75.2	4.1	72.9	
	Spices and condiments	Irrigated	r/s 2010-11	Chilli	G-4		Introduction of high yielding varieties	Varietal introduction of G4 chilli and IPM for fruit borer	74.25	15..2	182.6	Maize
	Commercial											
	Medicinal and aromatic											
	Fodder	Irrigated	Rabi/summer 2010-11	CN hybrid		CO-4	Green fodder production	Fodder cultivation, Harvest, chopping and feeding to livestock	76.25	14..2	171.6	Chilli, paddy, bajra
	Plantation											
	Fibre											

5.B. Results of Frontline Demonstrations

5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
							H	L	A										
Oilseeds																			
Pulses	ICM	VBN BG-4		Dry farming	15	6	8.2	5.0	7.5	5.0	50	18875	33750	14875	1.79	14125	22200	8375	1.57
Cereals																			
Millets																			
Vegetables	Small onion seed variety CO-5	CO-5		Irrigated	10	1	231.5	125.2	165.2	125.0	29.8	22500	67500	45000	3.0	28500	56800	28300	2.0
Flowers																			
Ornamental																			
Fruit	ICM	Robusta		Irrigated	10	2	625	475	575	465	23.66	150000	225000	75000	1.5	145000	176086	31086	1.21
Spices and condiments	Introduction of high yielding varieties	G-4		Irrigated	10	4	Crop is in field, harvest is yet to be completed												
Commercial																			
Medicinal and aromatic																			

Fodder	CO-4 Fodder cultivation, Harvest, chopping and feeding to livestock		CO-4	Irrigated	10	1	385	325	360	325 (CO-3)	9.56	10500	18500	8000	1.76	10500	16700	6200	1.59
Plantation																			
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

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	Promotion of improved backyard poultry rearing	Vanaraja	15	15	2.8kg/bird	1.8kg/bird	2..1kg/bird	1.1kg/bird	91	7650	13000	5350	1.7	2825	3150	325	1.12
Rabbitry																	
Pigerry																	
Sheep and goat	Comprehensive disease control in goats	ND	40	40	15kg at 12th month	12kg at 12th month	13.5kg at 12th month	12.0kg at 12th month	12.5	55000	95000	40000	1.73	54000	68000	14000	1.26
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**
Incidence rate of mortality in chicks due to predator attack	**0**	**75%**
No.of eggs laid per hen housed	**150**	**80**
Reduction of percentage of infectious diseases (ET,PPR,HS) in goats	**100 %**	**Not applicable**
Occurrence of diseases (ET,PPR,HS) in goats	Not applicable	20%

5.B.3. Fisheries

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	Units/ Area (ha)	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	Composite fish culture	Catla rohu,, Mrigal common carp, grass carp	24	0.5	On going				On going	On going	On going	On going	On going	On going	On going	On going	On going
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**
PH of water	**24**	**7.5-8.5**
Growth of fishes in 3 months	4	150-200 grams

5.B.4. Other enterprises

Enterprise	Name of the technology demonstrated	Variety/ species	No. of Demo	Units/ Area {m^2}	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./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
MS 20 model maize thresher cum dehusker	5000 (rent)	Mechanization of maize	10	10	7 labours /ha	14 labours /ha	50	1400	29890	44100	14600	1:1.47	24500	32340	7840	1:1.32
Vegetable preservator	3000	Promotion of vegetable preservator	5		1	1			10500	12500	2000	1:1.2	6500	6500	0	1:1

* 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**
Time saved	**1 hr/ha**	**1-2 days/ha**
Grain damage	0%	5 -8%
Energy saved	80%	30-50%
Shelf life of vegetables	9 days	4 days
Shelf life of fruits	8 days	4 days
Shelf life of greens	5 days	2 days
Retention of colour	7 days	4 days
Shrinkage of vegetables	7 days	4 days

5.B.6. Cotton

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

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

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

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

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	Maize	Mechanization of maize	Helps to de husk and thresh automatically, which leads to labour shortage, time & energy saving. No grain damage.
2	Vegetable	Promotion of vegetable preservator	The higher humidity helps in increasing the shelf life of the produce upto 7 to 10 days according to the nature of the vegetable. It saves energy, Prevents nutrient loss. Colour is retained. It helps in retaining shrinkage quality of the vegetables.

5.B.6.7 Farmers' reactions on specific technologies

S. No	Crop / Enterprise	Name of the technology demonstrated	Feed Back
1	Maize	Mechanization of maize	Helps to de husk and thresh automatically, which leads to labour shortage, time & energy saving. No grain damage. No need to depend on nature for threshing. They get the end product within one hour. It saves money and profitable.

2	Vegetable	Promotion of vegetable preservator	The shelf life of the produce is observed to be upto one week according to the nature of the vegetable. It saves energy. Prevents nutrient loss. Colour is retained. Storage loss is minimized. Prevents the distress sale. Maintenance problem is observed by the farmer. The drip nozzles get loosen and chocked frequently.

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

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	ICM	Pioneer B-11	15	6	55.5	45.3	50.5	45.2	11.6	26250	47975	21725	1.83	25250	42940	17690	1.7
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	CO-4 Fodder cultivation, Harvest, chopping and feeding to livestock	CO-4	10	1	385	325	360	325 (CO-3)	9.56	10500	18500	8000	1.76	10500	16700	6200	1.59
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				0			0	0	0	0
Weed Management				0			0	0	0	0
Resource Conservation Technologies	2	2	25	27	1	15	16	3	40	43
Cropping Systems				0			0	0	0	0
Crop Diversification				0			0	0	0	0
Integrated Farming	1	8	0	8	7	15	22	15	15	30
Micro Irrigation/Irrigation				0			0	0	0	0
Seed production				0			0	0	0	0
Nursery management				0			0	0	0	0
Integrated Crop Management	1	3	0	3	2	0	2	5	0	5
Soil and Water Conservation				0			0	0	0	0
Integrated Nutrient Management				0			0	0	0	0
Production of organic inputs				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
Horticulture				0			0	0	0	0
a) Vegetable Crops				0			0	0	0	0
Production of low value and high volume crop	5	107	26	133	28	4	32	135	30	165
Off-season vegetables				0			0	0	0	0
Nursery raising	3	14	0	14	0	0	0	14	0	14
Exotic vegetables				0			0	0	0	0
Export potential vegetables				0			0	0	0	0
Grading and standardization				0			0	0	0	0
Protective cultivation	1	4	0	4	1	0	1	5	0	5
Post harvest management for banana and vegetables	2	34	64	98	32	0	32	66	64	130
b) Fruits				0			0	0	0	0
Training and Pruning	1	2	2	4	0	0	0	2	2	4
Layout and Management of Orchards				0			0	0	0	0
Cultivation of Fruit				0			0	0	0	0
Management of young plants/orchards				0			0	0	0	0
Rejuvenation of old orchards				0			0	0	0	0
Export potential fruits				0			0	0	0	0
Micro irrigation systems of orchards				0			0	0	0	0
Plant propagation techniques	1	19	6	25	0	0	0	19	6	25

Training on Tissue culture Banana	1	3	0	3	2	0	2	5	0	5
c) Ornamental Plants				0			0	0	0	0
Nursery Management				0			0	0	0	0
Management of potted plants				0			0	0	0	0
Export potential of ornamental plants				0			0	0	0	0
Propagation techniques of Ornamental Plants				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
d) Plantation crops				0			0	0	0	0
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
e) Tuber crops				0			0	0	0	0
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
f) Spices				0			0	0	0	0
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
g) Medicinal and Aromatic Plants				0			0	0	0	0
Nursery management				0			0	0	0	0
Production and management technology				0			0	0	0	0
Post harvest technology and value addition				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
Soil Health and Fertility Management				0			0	0	0	0
Soil fertility management	2	20	16	36	8	0	8	28	16	44
Integrated water management				0			0	0	0	0
Integrated nutrient management	1	1	0	1	2	0	2	3	0	3
Production and use of organic inputs				0			0	0	0	0
Management of Problematic soils	2	22	10	32	1	0	1	23	10	33
Micro nutrient deficiency in crops	3	18	5	23	0	0	0	18	5	23
Nutrient use efficiency				0			0	0	0	0
Balanced use of fertilizers				0			0	0	0	0
Soil and water testing				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
Livestock Production and Management				0			0	0	0	0
Dairy Management	1	3	0	3	1	0	1	4	0	4
Poultry Management	2	18	19	37	1	8	9	19	27	46

Piggery Management				0			0	0	0	0
Rabbit Management				0			0	0	0	0
Animal Nutrition Management				0			0	0	0	0
Animal Disease Management				0			0	0	0	0
Feed and Fodder technology	1	8	3	11	6	2	8	14	5	19
Production of quality animal products				0			0	0	0	0
Goat management	6	20	1	21	14	0	14	34	1	35
Turkey and Quail management	3	20	0	20	15	0	15	35	0	35
Home Science/Women empowerment				0			0	0	0	0
Household food security by kitchen gardening and nutrition gardening	2	0	10	10	0	16	16	0	26	26
Design and development of low/minimum cost diet	1	0	8	8	0	6	6	0	14	14
Designing and development for high nutrient efficiency diet				0			0	0	0	0
Minimization of nutrient loss in processing				0			0	0	0	0
Processing and cooking				0			0	0	0	0
Gender mainstreaming through SHGs	**2**	0	23	23	0	18	18	0	41	41
Storage loss minimization techniques				0			0	0	0	0
Value addition	16	140	126	266	99	76	175	239	202	441
Women empowerment	3	8	42	50	0	26	26	8	68	76
Location specific drudgery production				0			0	0	0	0
Rural Crafts	1	4	2	6	2	14	16	6	16	22
Women and child care				0			0	0	0	0
An Interactive training for the Prosopis commodity groups on value addition and marketing strategies	**2**	12	20	32	8	15	23	20	35	55
Agril. Engineering				0			0	0	0	0
Farm machinery and its maintenance				0			0	0	0	0
Installation and maintenance of micro irrigation systems				0			0	0	0	0
Use of Plastics in farming practices				0			0	0	0	0
Production of small tools and implements				0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0	0	0	0
Small scale processing and value addition				0			0	0	0	0
Post Harvest Technology	2	8	19	27	12	24	36	20	43	63
Others (pl.specify)				0			0	0	0	0
Plant Protection				0			0	0	0	0
Integrated Pest Management	5	58	39	97	0	0	0	58	39	97
Integrated Disease Management				0			0	0	0	0

Bio-control of pests and diseases	4	41	4	45	32	0	32	73	4	77
Production of bio control agents and bio pesticides	2	14	23	37	4	0	4	18	23	41
Others (pl.specify)				0			0	0	0	0
Fisheries				0			0	0	0	0
Integrated fish farming				0			0	0	0	0
Carp breeding and hatchery management				0			0	0	0	0
Carp fry and fingerling rearing				0			0	0	0	0
Composite fish culture	2	2	23	25	3	31	34	5	54	59
Hatchery management and culture of freshwater prawn				0			0	0	0	0
Breeding and culture of ornamental fishes	3	12	3	15	12	0	12	24	3	27
Portable plastic carp hatchery				0			0	0	0	0
Pen culture of fish and prawn				0			0	0	0	0
Shrimp farming				0			0	0	0	0
Edible oyster farming				0			0	0	0	0
Pearl culture				0			0	0	0	0
Fish processing and value addition				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
Production of Inputs at site				0			0	0	0	0
Seed Production				0			0	0	0	0
Planting material production				0			0	0	0	0
Bio-agents production				0			0	0	0	0
Bio-pesticides production				0			0	0	0	0
Bio-fertilizer production	2	34	0	34	0	0	0	34	0	34
Vermi-compost production	1	4	2	6	2	1	3	6	3	9
Organic manures production				0			0	0	0	0
Production of fry and fingerlings				0			0	0	0	0
Production of Bee-colonies and wax sheets				0			0	0	0	0
Small tools and implements				0			0	0	0	0
Production of livestock feed and fodder				0			0	0	0	0
Production of Fish feed				0			0	0	0	0
Mushroom production	6	54	27	81	22	0	22	76	27	103
Apiculture				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
Capacity Building and Group Dynamics				0			0	0	0	0
Leadership development	**9**	0	63	63	0	76	76	0	139	139
Group dynamics	**15**	0	295	295	0	198	198	0	493	493
Formation and Management of SHGs				0			0	0	0	0
Mobilization of social capital				0			0	0	0	0
Entrepreneurial development of				0			0	0	0	0

farmers/youths										
Others (pl.specify)				0			0	0	0	0
Agro-forestry				0			0	0	0	0
Production technologies				0			0	0	0	0
Nursery management				0			0	0	0	0
Integrated Farming Systems	2	2	10	12	20	5	25	22	15	37
Others (Pl. specify)							0	0	0	0
TOTAL	**119**	**719**	**916**	1635	**337**	**550**	887	1056	1466	2522

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								0	0	0
Weed Management	0	0	0	0	0	0	0	0	0	0
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0
Micro Irrigation/Irrigation	0	0	0	0	0	0	0	0	0	0
Seed production	4	24	12	36	0	0	0	4	24	12
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	2	16	6	22	8	8	16	24	14	38
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	4	32	14	46	12	14	26	44	28	72
Production of organic inputs	1	1	1	2	2	3	5	3	4	7
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Horticulture	0	0	0	0	0	0	0	0	0	0
a) Vegetable Crops	0	0	0	0	0	0	0	0	0	0
Production of low value and high volume crop	2	56	0	56	6	0	6	62	0	62
Off-season vegetables	0	0	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0	0	0
Exotic vegetables	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0
Protective cultivation	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
b) Fruits	0	0	0	0	0	0	0	0	0	0
Training and Pruning	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0	0	0
Cultivation of Fruit	1	6	2	8	0	0	0	6	2	8
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
c) Ornamental Plants	0	0	0	0	0	0	0	0	0	0
Nursery Management	0	0	0	0	0	0	0	0	0	0

Management of potted plants	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
d) Plantation crops	0	0	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
e) Tuber crops	0	0	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
f) Spices	0	0	0	0	0	0	0	0	0	0
Production and Management technology	1	3	3	6	2	2	4	5	5	10
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Soil Health and Fertility Management	0	0	0	0	0	0	0	0	0	0
Soil fertility management	4	24	12	36	0	0	0	24	12	36
Integrated water management	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	2	18	0	18	0	0	0	18	0	18
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0
Nutrient use efficiency	0	0	0	0	0	0	0	0	0	0
Balanced use of fertilizers	4	42	12	54	0	0	0	42	12	54
Soil and water testing	1	0	4	4	1	14	15	1	18	19
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Livestock Production and Management	0	0	0	0	0	0	0	0	0	0
Dairy Management	4	24	32	56	0	0	0	24	32	56
Poultry Management	2	25	55	80	0	0	0	25	55	80
Piggery Management	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management	2	4	28	32	0	0	0	4	28	32

Animal Disease Management	2	18	10	28	4	0	4	22	10	32
Feed and Fodder technology	2	16	8	24	16	8	24	16	8	24
Production of quality animal products	16	8	24	16	8	24	16	0	0	0
Goat management	4	26	18	44	16	20	36	42	38	80
Home Science/Women empowerment	0	0	0	0	0	0	0	0	0	0
Household food security by kitchen gardening and nutrition gardening	0	0	0	0	0	0	0	0	0	0
Design and development of low/minimum cost diet	**24**	0	280	280	0	155	155	0	435	435
Designing and development for high nutrient efficiency diet	2	0	29	29	0	6	6	0	35	35
Minimization of nutrient loss in processing	6	0	32	32	0	46	46	0	78	78
Processing and cooking	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	2	2	6	8	2	3	5	4	9	13
Value addition	5	59	5	64	14	2	16	73	7	80
Women empowerment	0	0	0	0	0	0	0	0	0	0
Location specific drudgery production	10	66	67	133	48	32	80	114	99	213
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Women and child care	**6**	0	54	54	0	32	32	0	86	86
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Agril. Engineering	0	0	0	0	0	0	0	0	0	0
Farm machinery and its maintenance	0	0	0	0	0	0	0	0	0	0
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	**4**	18	15	33	34	19	53	52	34	86
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Plant Protection	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	**1**	8	4	12	0	0	0	8	4	12
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	**3**	14	14	28	3	12	15	17	26	43
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Fisheries	0	0	0	0	0	0	0	0	0	0
Integrated fish farming	0	0	0	0	0	0	0	0	0	0

Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Composite fish culture	20	144	153	297	152	208	360	296	361	657
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Production of Inputs at site	0	0	0	0	0	0	0	0	0	0
Seed Production	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	**2**	9	2	11	4	0	**4**	13	2	15
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	**2**	31	5	36	0	0	**0**	31	5	36
Organic manures production	**3**	73	12	85	15	4	**19**	88	16	104
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0
Mushroom production	**2**	21	4	25	0	0	**0**	21	4	25
Apiculture	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Capacity Building and Group Dynamics	0	0	0	0	0	0	0	0	0	0
Leadership development	0	0	0	0	0	0	0	0	0	0
Group dynamics	**62**	12	1435	1447	0	1040	**1040**	12	2475	2487
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Agro-forestry	0	0	0	0	0	0	0	0	0	0
Production technologies	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0

Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
Others (Pl. specify)	0	0	0	0	0	0	0	0	0	0
TOTAL	**212**	**800**	**2358**	**3142**	**347**	**1652**	**1983**	**1095**	**3966**	**5045**

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	2	0	2	3	3	6	5	3	8
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs	3	46	42	88	16	16	32	62	58	120
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	2	3	0	3	0	6	6	3	6	9
Small scale processing	3	14	8	22	14	14	28	28	22	50
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying	2	3	0	3	4	2	6	7	2	9
Sheep and goat rearing	1	8	0	8	0	0	0	8	0	8
Quail farming										
Piggery										
Rabbit farming										
Poultry production	6	31	46	77	0	21	21	31	67	98
Ornamental fisheries										
Composite fish culture	1	4	0	4	0	0	0	4	0	4
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										

Fry and fingerling rearing										
Kitchen garden establishment and maintenance	0	28	0	28	0	0	0	28	0	28
TOTAL	19	139	96	235	37	62	99	176	158	334

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	5	0	62	62	0	48	48	0	110	110
Post Harvest Technology										
Tailoring and Stitching	**22**	0	371	371	0	119	119	0	490	490
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production	1	8	0	8	0	0	0	8	0	8
Ornamental fisheries										
Composite fish culture	24	100	48	148	46	49	95	146	97	243
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										

Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	52	108	481	589	46	216	262	154	697	851

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	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	2	18	12	30	14	6	20	32	18	50
Care and maintenance of farm machinery and implements	2	0	42	42	0	14	14	0	56	56
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	1	0	0	0	1	24	25	1	24	25
Information networking among farmers	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0
Management in farm animals	2	26	6	32	6	4	10	32	10	42
Livestock feed and fodder production	2	14	28	42	4	12	16	18	40	58
Household food security	2	3	35	38	1	21	22	4	56	60
Any other (pl.specify) soil and water testing collection procedures	2	2	31	33	42	0	42	44	31	75
Training on KVK activities and income generation programmes for self help group members	3	2	8	10	14	6	20	16	14	30
Total	16	65	162	227	82	87	169	147	249	396

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

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

7.G. Sponsored training programmes

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Increasing production and productivity of crops										
1.b.	Commercial production of vegetables	**2**	50	0	50	15	0	**15**	**65**	**0**	**65**
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**	**2**	42	83	125	44	24	**68**	**86**	**107**	**193**
7.a.	Processing and value addition	**6**	74	19	93	72	24	**96**	**146**	**43**	**189**
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	**2**	0	18	18	0	14	**14**	**0**	**32**	**32**
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	**12**	**166**	**120**	**286**	**131**	**62**	**193**	**297**	**182**	**479**

Details of sponsoring agencies involved

1. SPIC, Thoothukudi
2. TNAU, coimbatore
3. ATMA, Thoothukudi
4. SCAD,Thoothukudi
5. Dept.of Agri.Engineering,Thoothukudi

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

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Commercial floriculture										
1.b.	Commercial fruit production										
1.c.	Commercial vegetable production										
1.d.	Integrated crop management										
1.e.	Organic farming										
1.f.	Others (pl.specify)										
2	**Post harvest technology and value addition**										
2.a.	Value addition										
2.b.	Others (pl.specify)										
3.	**Livestock and fisheries**										
3.a.	Dairy farming										
3.b.	Composite fish culture										
3.c.	Sheep and goat rearing										
3.d.	Piggery										
3.e.	Poultry farming										
3.f.	Others (pl.specify)										
4.	**Income generation activities**										
4.a.	Vermi-composting										
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.										
4.c.	Repair and maintenance of farm machinery and implements										
4.d.	Rural Crafts										
4.e.	Seed production										
4.f.	Sericulture										
4.g.	Mushroom cultivation										
4.h.	Nursery, grafting etc.										
4.i.	Tailoring, stitching, embroidery, dying etc.	30	0	371	371	**0**	119	**0**	**0**	**490**	**490**
4.j.	Agril. para-workers, para-vet training										
4.k.	Others (pl.specify)										
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics										
5.b.	Others (pl.specify)										
	Grand Total	30	0	371	371	**0**	119	**0**	**0**	**490**	**490**

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	12	169	334	503	43	34	77	30	45	75
Kisan Mela	7	1336	3595	4931	0	0	0	93	69	162
Kisan Ghosthi	0	0	0	0	0	0	0	0	0	0
Exhibition	01	24	56	80	6	18	24	20	35	55
Film Show	16	122	88	210	0	0	0	0	0	0
Method Demonstrations	0	0	0	0	0	0	0	0	0	0
Farmers Seminar	12	96	109	205	0	0	0	0	0	0
Workshop	0	0	0	0	0	0	0	0	0	0
Group meetings	24	78	265	343	0	0	0	0	0	0
Lectures delivered as resource persons	22	320	412	732	0	0	0	0	0	0
Newspaper coverage	3	0	0	0	0	0	0	0	0	0
Radio talks	8	0	0	0	0	0	0	0	0	0
TV talks	0	0	0	0	0	0	0	0	0	0
Popular articles	0	0	0	0	0	0	0	0	0	0
Extension Literature	0	0	0	0	0	0	0	0	0	0
Advisory Services	67	138	78	216	40	65	125	0	0	0
Scientific visit to farmers field	125	212	112	324	25	35	60	0	0	0
Farmers visit to KVK	48	312	156	468	75	55	130	0	0	0
Diagnostic visits	45	25	10	35	5	5	10	0	0	0
Exposure visits	2	4	0	4	12	0	12	0	0	0
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0
Soil health Camp	0	0	0	0	0	0	0	0	0	0
Animal Health Camp* (details attached separately)	59	423	655	1078	113	432	545	35	45	80
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	2	55	35	90	30	25	55	0	0	0
Farm Science Club Conveners meet	10	68	0	68	42	0	42	0	0	0
Self Help Group Conveners meetings	824	0	9984	9984	0	0	0	0	35	35
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0
Celebration of important days (specify)	0	0	0	0	0	0	0	0	0	0
Women's Day	1	200	3800	4000	0	0	0	0	0	0
World Food Day	1	24	56	80	6	18	24	20	35	55
Farmers meeting	47	263	285	548	0	0	0	0	0	0
VLWC Meeting	4	5	24	29	0	0	0	0	0	0
PLF Meeting	96	0	1788	1788	0	0	0	0	18	18
Atma meeting	5	0	0	0	0	0	0	0	0	0
Tree planting	6	12	120	132	14	75	89	12	35	47
Machinery Demo	2	28	37	65	0	0	0	4	0	4
PRA	1	20	25	45	0	0	0	0	0	0
Farm field school	22	145	123	268	0	0	0	0	0	0
Guidance & counseling for victims wife	1	0	12	12	0	0	0	0	0	0
Total	**1473**	**4079**	**22159**	**26238**	**411**	**762**	**1193**	**214**	**317**	**531**

Details of Veterinary campaigns and number of animals and farmers benefited

Sl.no.	Name of the village	Date	Number of farmers benefited	Number of livestock benefited				
				cattle	Sheep and goat	Poultry	others	Total
1.	Puliyamarathuarasadi	05.04.2010	19	60	317	0	6	383
2.	P.Duraichamypuram	15.04.2010	25	30	240	20	0	290
3.	Muthukumarapuram	20.04.2010	16	32	130	0	1	163
4.	Vengadachalapuram	24.04.2010	17	13	144	0	4	161
5.	Lourthammal puram	27.04.2010	42	0	415	22	21	458
6.	Meenavar colony	28.04.2010	23	0	116	0	0	116
7.	Vedanatham	20.05.2010	24	5	211	0	0	216
8.	Sevelkulam	22.05.2010	22	14	189	0	0	203
9.	Arunkulam	28.05.2010	25	30	259	0	10	299
10.	Sinthalakottai	15.6.2010	26	284	9	10	2	305
11.	Vepalodai	19.6.2010	42	382	16	3	8	409
12.	Aathanoor	22.6.2010	31	13	244	0	0	257
13.	Sivaloor	24.6.2010	12	3	57	0	0	60
14.	Thalavaipuram	25.6.2010	28	25	219	0	0	244
15.	Kulasekaranallor	26.6.2010	32	37	253	0	7	297
16.	Sindalakattai	15.7.2010	15	9	384	2	0	395
17.	Melalakshmipuram	17.7.2010	11	0	169	0	2	171
18.	Muthukumarapuram	20.7.2010	16	23	92	0	0	115
19.	Velidupatti	21.7.2010	49	65	252	6	1	324
20.	S.Silukkanpatti	22.7.2010	21	26	219	0	0	245
21.	K.P.Thalavaipuram	24.7.2010	16	16	11	0	0	27
22.	Chandragiri	27.7.2010	34	36	141	0	0	177
23.	Oosimesiapuram	28.7.2010	28	20	255	45	4	324
24.	Governagiri	7.08.2010	52	94	275	30	0	399
25.	Sippikulam	14.08.2010	28	72	181	0	0	253
26.	Mudivaithanendal	16.08.2010	58	86	841	128	13	1068
27.	Puliyamarathuarasadi	17.08.2010	31	56	325	0	0	381
28.	Vembar	18.8.2010	38	537	537	537	537	2148
29.	Podammalpuram	23.08.2010	45	14	142	23	0	179
30.	Veerapandiyapuram	24.08.2010	43	4	1015	200	0	1219
31.	S.Kalmedu	03.09.2010	33	67	1435	38	1	1541
32.	Kuralaiyampatti	08.09.2010	21	75	150	20	0	245
33.	P.Shanmugapuram	09.09.2010	20	27	205	0	3	235
34.	Marthandampatti	13.09.2010	32	07	509	16	0	532
35.	O.Kuppanapuram	14.09.2010	27	32	56	17	0	105
36.	M.Shanmugapuram	16.09.2010	28	120	366	34	0	520
37.	Arasankulam	20.09.2010	19	14	205	0	34	253
38.	Periyathalai	21.09.2010	45	0	535	0	0	535
39.	Koothaloorani	23.09.2010	42	47	1098	5	0	1150
40.	Mukkani	30.09.2010	22	0	475	0	0	475
41.	Sevelkulam	24.09.2010	17	17	121	0	0	138
42.	Kallanparambu	25.09.2010	14	12	83	0	0	95
43.	N.Silukkanpatti	06.10.2010	42	120	776	106	5	1007
44.	Thimmarajapuram	12.10.2010	41	68	1259	112	12	1451
45.	K.Thangammalpuram	20.10.2010	31	48	355	20	5	428
46.	Mudavankulam	24.10.2010	75	82	1750	0	0	1832
47.	Palayakayal	27.10.2010	12	0	275	0	0	275
48.	Namachivayapuram	29.10.2010	21	10	295	0	5	310
49.	Vedapatti	06.11.2010	27	54	375	55	0	484
50.	Kodangipatti	16.11.2010	29	60	408	18	0	486
51.	Athimarapatti	10.01.2011	41	17	124	0	3	144
52.	Vedanatham	11.01.2011	39	1	106	0	0	107

53.	Thirumalaiyapuram	13.01.2011	37	51	105	73	6	235
54.	Kallanparambu	12.02.2011	10	3	112	0	0	115
55.	O.Kuppanapuram	17.02.2011	22	27	176	0	0	203
56.	Sippikulam	19.02.2011	8	67	0	0	0	67
57.	Velidupatti	26.02.2011	32	48	179	0	5	232
58.	Aathanoor	17.03.2011	26	6	128	0	1	135
59.	Sevelkulam	24.3.2011	21	13	219	0	0	232
	Total		**1703**	**3079**	**19538**	**5308**	**696**	**24853**

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Quantity of seed (qtl)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)						
Oilseeds						
Pulses	Black gram	VBNBG-4		5.8	58000	60
Commercial crops						
Vegetables	Kitchen garden seed kit			3.0	30000	3000
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others (specify)						
Total				**8.8**	**88000**	**3060**

9.B. **Production of Planting materials by the KVK**

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Fruits	Mango	Banglora		2	60	2
		Senduram		50	2500	20
		Neelam		13	1500	15
		Panchavernam		5	150	5
		Alphonsa		15	450	5
	Pomagranate			395	3950	395
	Annona			800	8000	400
	Bitter lime			80	800	50
	Papaya	Co 2		325	1625	325
	Sapotta	PKM-1		1105	33150	1000
	Amla seedlings	BSR-1		50	1250	25
	Amla	goose berry		293	2051	251
	Guava	L-49		248	2480	254
	Noval			78	624	78
	cherry			1	5	1
	Lemon			25	250	25
Ornamental plants					0	

	Thuja			157	3140	169
	Bougainvilla			15	75	15
	Cleodendran			349	1745	250
	Kannagambaram			2	10	1
	Daguma			154	770	125
	Gundu malligai			16	80	10
	bedilanthus			50	250	5
	Hibiscus ordinary			79	395	243
	Hibiscus adduku			15	75	120
	Hibiscus rose			10	50	5
	sandal			29	145	20
	Pitchi poo			69	884	69
	Badam			124	1240	124
	Crotons (acalipah)			548	2740	125
	Poovarasu			8	40	8
	Alamonda			15	75	15
	Red Rose			2	10	2
	Durantha green			524	2620	100
	Duranta white			126	630	15
Medicinal and Aromatic					0	
	Erythrina			0	0	0
	Nagamalli			16	80	10
	Megasanjeevi			129	645	129
	Thuthuvalai			12	60	10
	Adathodai			13	65	30
	Sarpaganda			1	5	4
	Gymnema			12	60	12
	Tulsi			26	130	25
	Karisalankanni			1	5	1
	Nanthiavattai			4	20	2
	Vettiver			680	3400	29
	Aloevera			5	25	4
	omavalli			31	155	31
	Curry leaf			1008	5040	100
					0	
	Pungam			28	560	14
	Bamboo			10	50	2
	Eucaliptus			5	25	1
Fodder crop saplings	Subabul			846	4230	3
		CO-4		40000	20000	20
Forest Species					0	
	Vagai			87	1740	40
	Gulmuhar			190	3800	150
	Casuarina			47425	9566	145
	Peoples tree			15	300	15
	Jatropha			10	50	1

	Tamarind			196	3920	145
	Kumil			498	7470	125
	Maruthu			50	750	25
	Fig			8	160	4
	Gliricidia			450	4500	45
	Ailanthus			2	12	2
	simaruba			1045	5225	1045
Total				98580	145867	6441

9.C. Production of Bio-Products

Bio Products	**Name of the bio-product**	**Quantity Kg**	**Value (Rs.)**	**Number of farmers to whom provided**
Bio Fertilizers	Azopirillum	1053	36295.00	1700
	Phosphobacteria	935	32725.00	1200
	Rhizobium	734	25690.00	700
Bio-pesticide				
Bio-fungicide	Pseudomonas	58	6960.00	400
	T.viridi	58	6960.00	300
Bio Agents				
Others (specify)	Vermicompost	1138	10138.00	650
Total		**3976**	**1,02,708.00**	**4950**

9.D. Production of livestock materials

Particulars of Live stock	**Name of the breed**	**Number**	**Value (Rs.)**	**Number of farmers to whom provided**
Dairy animals				
Cows	Holstein Friesian	2	30000	2
Buffaloes				
Calves	Holstein Friesian	1	5000	1
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail	Nandanam III	478	2868	8
Turkey				
Emu				
Ducks				
Improved Backyard poultry	Vanaraja	2000	40000	80
	Giriraja	1000	20000	40
	Colour broiler	100	2000	10
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Fingerlings	Composite fish culture	10000	20000	10
Goat	Jamunapari cross	12	12000	6
Total				

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

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

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

(B) Literature developed/published Nil

Item	Title	Authors name	Number
Research papers			
Technical reports			
News letters			
Technical bulletins			
Popular articles			
Extension literature			
Others (Pl. specify)			
TOTAL			

10.B. Details of Electronic Media Produced

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

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).

10.C.1.

Successful impact of Training cum Demonstration on Cage system of Improved backyard poultry Rearing and Homestead incubator

In Thoothukudi district especially in rural villages backyard poultry rearing is an important subsidiary activity of women. These small units faced the problem of mortality due to ranikhet disease, predator attack by wild animals like mongoose, cats, vultures,etc., poor prize for backyard poultry meat and eggs.

To overcome these problems in the year 200-2008 KVK successfully introduced , i) veterinary link workers (VLWC)system to vaccinate the birds, ii) Training given for artificial incubation using catoon and light, iii) organized a weekly market exclusively for backyard poultry in vilathikulam Block of the district.

Though the outbreak of disease could be contained by vaccination against the Ranikhet disease through VLWC program, still there was no regular supply of chicks to the market . when we analysed the problem again it was found that there is no continuous replacement stock available with rural villages for selling in the market because of chick mortality due to predator problem. There is no source of supply for chicks of backyard poultry. Because of this situation the rural backyard poultry market programme could not be continued and it was closed within six months of start.

The farmers were looking for solutions to this problem at KVK. At this juncture during the KVKs national conference conducted at TNAU Coimbatore a live model of cage system of improved backyard

poultry rearing technology was kept for display in TANUVAS stall. This technology seen by us gave a turning point to address these problems .

Immediately in the next year training programme and demonstrations were arranged on cage system of improved backyard poultry rearing and hatching of eggs using homestead incubators in the year 2009-10 and 2010-11 in KVK.

Twelve training programmes were organized on this technology to farmers, women, rural youth and extension officials including veterinary Assistant Surgeons during the year 2009-11.

After attending the training programme and seeing the live models kept at KVK. Many farmers started approaching KVK from different corners of the district. Twenty five demonstrations were organized in these two years on the cage system of raring improved backyard poultry rearing.

Upon these interventions new entrepreneurs were emerged for producing improved backyard poultry chicks and they started supplying quality chicks to their neighbors. From 25 demonstration farmers the technology spread to about another 45 farmers because of farmers to farmer contact.

Because of this new scientific method of improved backyard poultry rearing a medium entrepreneur who raised about 20 chick unit could able to generate income upto Rs.15000 out of this Rs.5350 was the net profit out of this backyard enterprise.

This demonstration started yielding desired response to solve the problem faced by the rural people for during the past several years.

10.C.2.

Organic Farming – A noble approach for enhancing Farm income:

Organic farming is the holistic approach of agricultural system which aims at cultivation of the land in such a way that the soil is kept healthy and dynamic with biochemical and soil microbial activities related to biodiversity.

As soil fertility determines agricultural yields, the condition of soil is of the utmost importance to the sustenance of crop life. Organic and integrated farming is the only alternate way to strengthen and ensure adequate food, nutrition, higher yields and pollution free environment, regular income generation throughout the year, high input –output ration, sustainability and ultimate uplift meant of the rural people.

R.Ilango of Sayerpuram is a progressive farmer. He has one daughter and a son who are studying in schools. He has three acres of land and cultivates Banana as a main crop.

Earlier he practised modern agriculture and he dependent on in organic inputs, mainly fertilizers and pesticides. Due to the excessive use of these inputs the crop productivity and production was affected adversely. As he is a marginal farmer he is unable to incur additional expenditure on inputs for crop production. It was observed that the crops suffer from nutritional deficiency.

For trade of any commodity and to survive in the competitive market, 'low cost with quality production is possible with wise use of nature, native and neighbour. Under this season, SCAD-KVK is regularly imparting training on organic farming, adoption of integrated farming system approach to the farmers.

At this juncture, he attended farmers meeting, training and demonstrations conducted by SCAD KVK and he got the knowledge about organic farming system. Later on based on the knowledge and technology he gained in KVK during the training programme, he converted his farm as a fully fledged integrated farming with the special approach to organic farming. He purchased milch animals, goats, and poultry along with his regular organic farming concept. This helps him to adopt integrated farming system.

He adopted the organic farming technology at his own farm applying the various organic inputs received from integrated farming. He could some extent manage the manurial, insufficiency through live stock farming and he was much encouraged to take up organic and integrated farming at his farm. This integrated farming system helped him to overcome his problem and there by increased his profit.

10.C.3.

SEED VILLAGE PRODUCTION PROGRAMME

SEED VILLAGE:

It was programmed during 2010 to take up seed village Concept in 5 villages of Vilathikulam Block. Ten farmers who belong to M. Vengadeswarapuram village were adopted this seed production concept at village level. A meeting was convened with the farmers of the five villages with 25 farmers to have a discussion on the production on pulses seed – Green gram and Black gram, in the village itself by the farmers who are interested in seed production and distribute the seed to the farmers of the same Village for taking up pulses production for the subsequent year.

Out of the farmers participated in the meeting 5 farmers shown keen interest on the production of seed farms in their farm.

Training was given to the farmers on seed production at Vilathikulam SCAD Office. KVK took initiatives for getting breeder seed from Tamil Nadu Agricultural University. 140 Kg of breeder black gram V-4 seeds was collected from TNAU and supplied to the farmers for raising seed farm.

Sowing was taken by the farmers during the 2nd week of November. The SMS of KVK attended the sowing of seeds at the farmers holding. Necessary pre sowing seed treatments were given and seeds were sown by the farmers.

The technical Inputs fertilizer, wedicides, pesticides, was supplied by KVK to the farmer. Periodical visits were made by the SMS to watch the progress of seed farms.

KVK registered the seed farm with the department of seed certification to take up the production of certified seeds of 'F'class.

The certification agency inspected the seed farm 2 times and suggested for weeding and roughing in the seed farms and the suggested operations were taken by the farmers.

The field harvest day was conducted with the seed farm growers during the end of February and nearly 1.5 ton of field run seed was produced and sent for processing. The seeds are under processing for the certification which will be completed by the end of April.

It is planned to procure the seeds by KVK and distribute the farmers of the same village at the nominal production cost.

10.C.4.

Casurina- Tree plantation

Apart from adding to the aesthetics of an area, trees absorb air pollution, attract rain, improve soil conditions, save top soil from erosion and give shelter to birds, insects and animals. More over it fetches income to the farmer. This makes their presence extremely important for the earth's survival and prosperity. Hence SCAD KVK recognizes the wisdom of using trees as a tool to improve the microclimate of rural villages and to assist the global environment. For the past four years SCAD- KVK Planted nearly 5 lakhs of seedlings in farmers holding which was about to leave uncultivated. In addition to this other areas such as village utility areas, bunds of the village ponds, around the individual houses, agricultural land and where ever the lands left uncared.

Through SCAD KVK Continuous training is being conducted in these areas to create awareness about the importance of tree planting among rural youths, Men and women SHG members Farmer club, community people and school children. This also helps to create a strong support base of SCAD Volunteers, animators who are involved with the planting and nurturing of the trees planted in their locality SCAD KVK strongly believes that the trees will bring wealth and health to these communities whilst simultaneously protecting the environment.

Most of the farmers are interested to grow Casurina as it is a cash crop. It also helps in promotion of mixed farming. Due to labour shortage problem farmers were unable to proceed with farming practices in full swing at their farm. Many farmers were reluctant to raise Agriculture crops due to high cost of labour and input. The below said farmers were almost went away from agriculture were drawn to casurina cultivation. Accordingly SCAD –KVK identified farmers to raise casurina at their farms in an economic way. The

details of area, no of trees grown, expenditure incurred, anticipated receipt are furnished below as an example.

Sl.no	Name of the farmer	Area (ac)	No of trees grown	Expenditure incurred	Anticipated receipt
1.	Selvam	5	10,000	1,00000	3,00000
2.	Chithirai selvam	5	10,000	1,00000	3,00000
3.	Sudhakar	2	4,000	40,000	1,20000
4.	Shunmugampillai	2	4,000	40,000	1,20000
5.	Tamil arasan	2	4,000	40,000	1,20000
6.	Vanthathevan	2	4,000	40,000	1,20000
7.	Sahayaraj	1	2,000	20,000	60,000
8.	shunmugavel	1	2,000	20,000	60,000
9.	Jegathesan	1	2,000	20,000	60,000
10.	Mohan	1	2,000	20,000	60,000

KVK motivated more than 245 farmers to cultivate casurina or otherwise the farmers would have left the land fallow resulted in unproductiveness of this land. KVK took effort to earn about 49 lakhs from 245 acres per annum through the cultivation of casurina.

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**
  Farmers/ Farm women group meeting
  Individual discussion
  Village survey
  SAC meetings
- **Rural Youth**
  Individual discussion
  Village survey
  SAC meetings
- **In service personnel**
  Discussion with line dept. officials
  SAC meetings

10.G. Field activities

i. Number of villages adopted -46
ii. No. of farm families selected - 600
iii. No. of survey/PRA conducted- 6

10.H. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab :

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

Sl. No	Name of the Equipment	Qty.	Cost
1.	pH meter	1	9850
2.	EC meter	1	9950
3.	Spectrophotometer	1	59500
4.	Flame photometer	1	48000
5.	Precision balance	1	99500
6.	Top pan balance	1	98000
7.	water distillation still	2	98000
8.	Shaker	2	49000
9.	Hot air oven	1	14000
10.	Hot plate with stirrer	1	22000
11.	Kjeldhal digestion and distillation set	2	59000
12.	Nitrogen auto analyzer with digestion block	1	202932
13.	Willie mill	1	26000
Total			795732

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	**747**	**618**	**329**	**28135**
Water Samples	**533**	**523**	**272**	**26605**
Plant samples	**14**	**14**	**14**	**1400**
Manure samples				
Others (specify)				
Blood samples	**60**	**60**	**15**	**3000**
Total	**1354**	**1215**	**630**	**59140**

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	**285**	**205**	**56**	**7125**
Water Samples	**165**	**165**	**106**	**5300**
Plant samples	**0**	**0**	**0**	**0**
Manure samples	**0**	**0**	**0**	**0**
Others (specify)	**0**	**0**	**0**	**0**
Blood samples	**15**	**15**	**10**	**750**
Total	**465**	**385**	**172**	**13175**

10.I. Technology Week celebration

Nil

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

- **Not included -**

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)
Vaccination of goats against infectious diseases	120	80%	1850/annum	3800/annum
Breeding of milch animals between 60-90 days post calving	80	75%	7000/annum	10000/annum
Vaccinating the backyard poultry against Ranikhet disease	165	85%	600/annum	1200/annum
Deworming the goats	120	90%	1850/annum	3800/annum
Biofertilizer application for crops	60	50%	10000/ha	12000/ha
Kitchen gardening during rainy season	50	85%	250	900
Mineral mixture feeding to the milch animals to avoid production diseases and delayed fertility in cows	35	85%	7000/annum	10000/annum
Tailoring	40	65%	00	1250/month
Foliar application of IIHR mineral mixture to banana	15	80%	40000/acre	45000/acre
Composite fish culture in village ponds	25	80%	3000/annum	8000/annum
Use of certified seeds and importance of quality seeds in improving the yield in blackgram	25	90%	32000/ha	40000/ha

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

PART XII - LINKAGES

12.A. Functional linkage with different organizations

Name of organization	Nature of linkage
AC & RI, Killikulam	• Technical guidance in refining the FLD and OFT programmes. • Accomplish Rural Agricultural Working Experience programme for nine students about ten days. • Got 50kg of VBN-3 Blackgram seeds for FLD programme
AH Dept, Tuticorin	• Organized 59 nos of veterinary camps in villages to treat 24853 animals • Helped in identifying the beneficiaries for FLD and OFT programmes related to livestock and poultry rearing •
Dept.of Horticulture, Tuticorin	• Technical advise on the planning of FLD and OFT programmes. • Vegetable seeds purchased. • Farmers selection process is going on for Precision Farming through

	joint implementation. • Soil testing done for precesion farming beneficiaries of Srivaikuntam block of Tuticorin district. • Participation in Field day organized by KVK on FLD programmes
Dept. of Agriculture, Tuticorin	• Special lecture given during ATMA trainings by our staffs. • Commodity group formation for banana, paddy and pulses through joint implementation. • Participation in Field day organized by KVK on FLD programmes
Dept of Organic Certification, Coimbatore	• Group certification completed for 4 farmers through joint implementation.
Central institute for fodder production and demonstration, Alamati Chennai	• Supplied 100 minikits of calapogonium fodder seeds for demonstration • Conducted two training programme on fodder production
KVK, Kattupakkam	• Supplied the fodder seeds , and Rat trap to conduct FLD programme.
Veterinary University Training and Research Centre	• Technical consultation regarding FLD programme. • Supplied the area specific mineral mixture and CO4 fodder seelings for FLD programme
MSME, Thoothukudi	• 90 rural youth were given training /entrepreneurial orientation and out of that 22 persons got bank loans to start various self empoloyment units like petty shops, hotels, soap making, snacks preparation,etc..
Fisheries college, Thoothukudi	• Expert advise on fish cultivation and establishment of fish rearing units and fish hatchery in KVK •
SPIC, Thoothukudi	• 8 lectures were delivered by our horticulture SMS to the trainees of SPIC

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.)
ISOPAM maize FLD	Nov 2010	MOA	30000

12.C. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

If yes, role of KVK in preparation of SREP of the district? No involvement

Coordination activities between KVK and ATMA during 2010-11

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	**Meetings**	**MAC meetings**	**5**	**0**	
02	**Research projects**				
03	**Training programmes**	**Guest lectures**	**5**	**0**	
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)				
07	**Other Activities** (Pl. specify)				
	Watershed approach				
	Integrated Farm Development				
	Agri-preneurs development				

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

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

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

12.F. Details of linkage with RKVY

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

12. G Kisan Mobile Advisory Services

Nil

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
April 2010			
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	

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									
Spices & Plantation crops									
Coconut			0.8 3.0	Tall TXD	Nuts ,, Tender nuts	2750 350 620	6910 8000 -	14550 2500 6200	
Fruits									
		May-June 2010 Feb-July 2010	1ha 0.8ha	Bangalora Neelum Kalapad Senthura Cricket ball PKM-1	Fruit ,, ,,	1400 350 100	3500 2500 1600	14000 7000 2000	

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Azopirillum	1053	35450	36295.00	
2	Phosphobacteria	935	28650	32725.00	
3	Rhizobium	734	20450	25690.00	

4	Pseudomonas	58	5500	6960.00	
5	T.viridi	58	5500	6960.00	

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Backyard poultry	Vanaraja	Egg	652	2150	3150	
		Vanaraja	chicks	2000	30000	40000	
		Giriraja	chicks	1000	15000	20000	
		Colour broiler	chicks	100	650	2000	
2	Japanese quail	Nandanam III	Egg	2450	3560	4900	
			chicks	478	1010	2868	
3	Goat	Jamunapari cross	Kids	12	22500	24000	
4	Cattle	HF	Cow	2	12500	30000	
			Bull calf	1	2500	5000	
5							

13.E. Utilization of hostel facilities - Not available

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
October 2008			
November 2008			
December 2008			
January 2009			
February 2009			
March 2009			
April 2009			
May 2009			
June 2009			
July 2009			
August 2009			
September 2009			

13.F. Database management

S. No	Database target	Database created
1	2	1 (district profile)

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

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

PART XIV - FINANCIAL PERFORMANCE

14.A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	South Indian Bank	Tirunelveli	0254	Social change and development	0254 0530 0000 1819	627059002	SIBL 000 0254
	-do-	-do-			0254 0530 0000 1884		
	-do-	-do-			0254 0530 0000 1885		
	-do-	-do-			0254 0530 0000 462		

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

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

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

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	93.68	93.68	92.21
2	**Traveling allowances**	1.25	1.25	1.24
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.40	2.40	2.40
B	POL, repair of vehicles, tractor and equipments	2.50	2.50	2.39
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1.20	1.20	1.20
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.50	0.50	0.50
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2.0	2.0	1.99
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1.0	1.0	0.99
G	Training of extension functionaries	0.30	0.30	0.30
H	Maintenance of buildings	0.25	0.25	0.25
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library	0.05	0.05	0.05
	TOTAL (A)	105.13	105.13	103.52
	B. Non-Recurring Contingencies			
1	**Works**	17.68	17.68	17.65
2	**Equipments including SWTL & Furniture**	6.80	6.80	6.79
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	0	0	0
4	**Library** (Purchase of assets like books & journals)	0.10	0.10	0.10
TOTAL (B)		24.58	24.58	24.54
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		129.71	129.71	128.06

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	432116	383107	312800	502423
April 2009 to March 2010	502423	363450	308657	557216
April 2010 to March 2011	557216	369497	312542	614171

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
S.Manikandan	Programme assistant (fisheries)	Training programme on advanced technology management of soil & water environment in Brackish water aquaculture from	CIBA, 75, Santhome High Road, R.A.Puram, Chenai – 600 028	Feb 2-11,2011

S.Manikandan	Programme assistant (fisheries)	Personality development training	SCAD engineering college ,cheranmagadevi	April 11-13,2010
S.Sumathi	SMS (Home science)	Recent trends on crop processing technology	IICPT,Thanjavur	March 23-25,2011
S.Sumathi	SMS (Home science)	Main streaming gender in agriculture	TANUVAS,Chennai	Jan 24-25,2011
S.Sumathi	SMS (Home science)	Personality development training	SCAD engineering college ,cheranmagadevi	April 11-13,2010
P. Velmurugan	SMS (Horticulture))	IFS for sustainable agriculture production	KVK,Kattupakkam	Oct 11-13,2010
P. Velmurugan	SMS (Horticulture))	Personality development training	SCAD engineering college ,cheranmagadevi	April 11-13,2010
M.Ashok Kumar	SMS(plant protection)	Mealy bug Control	ICAR ,Bangalore	
M.Ashok Kumar	SMS(plant protection)	Coconut black headed catter pillar control	ICAR ,Bangalore	
M.Ashok Kumar	SMS(plant protection)	Personality development training	SCAD engineering college ,cheranmagadevi	April 11-13,2010
V.Mohan	SMS (soil science)	Effective Micro organism Production Technology	Australia	2-28th march 2011
Dr.V.Srinivasan	SMS Animal science cum Programme coordinator i/c	Alternative Poultry farming for rural entrepreneurship development	KVK, Namakkal, TANUVAS	24-26th nov.2010
Dr.V.Srinivasan	SMS Animal science cum Programme coordinator i/c	Personality development training	SCAD engineering college ,cheranmagadevi	April 11-13,2010

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

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	Banana	Assessing the utility of enriched biocharcoal soil sinking for improving the soil quality and yield in banana	3
Varietal Evaluation	Bhendi	Assessment of suitability of bhendi hybrid variety for pest and disease resistance	3
Integrated Pest Management	Drumstick	Ecological control of fruitfly in moringa	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			
Others (Pl. specify)			
Total			

Summary of technologies assessed under livestock

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials
Disease Management	Backyard poultry	Control ranikhet disease using different vaccines and route of vaccines	3
Evaluation of Breeds			
Feed and Fodder management	Dairy farming	Prosopis pod flour as an alternative concentrate feed ingredient for dairy	2

		cows	
Nutrition Management			
Production and Management	Dairy farming	Post partum anaestrum management using different Mineral mixtures and hormonal methods	3
Others (Pl. specify)			
Total			

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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

II. TECHNOLOGY REFINEMENT

Summary of technologies refined under various crops

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

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

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

Summary of technologies refined under home science

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

III. FRONTLINE DEMONSTRATION

Cotton

Frontline demonstration on cotton

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

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

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Cereals																		
Millets	Promotion of high yielding new varieties	ICM		15	6	50.5	45.2	11.6			26250	47975	21725	1.83	25250	42940	17690	1.7
Oilseeds																		
Pulses	Promotion of high yielding new varieties	ICM		15	6	7.5	5.0	50			18875	33750	14875	1.79	14125	22200	8375	1.57
Vegetables	Promotion of high yielding new varieties in Onion	**ICM**		**10**	**1**	165.2	125.0	29.8			22500	67500	45000	3.0	28500	56800	28300	2.0
Flowers																		

Ornamental																		
Fruit	**Promotion of crop yield through ICM in Banana**	**ICM**		**10**	**2**	575	465	23.66			150000	225000	75000	1.5	145000	176086	31086	1.21
Spices and condiments	Introduction of high yielding varieties	Varietal introduction of G4 chilli and IPM for fruit borer		**10**	**4**	Crop is in field, harvest is yet to be completed												
Commercial																		
Medicinal and aromatic																		
Fodder	Promotion of green fodder cultivation	CO-4 Fodder cultivation, Harvest, chopping and feeding to livestock		**10**	**1**	360	325 (CO-3)	9.56			10500	18500	8000	1.76	10500	16700	6200	1.59
Plantation																		
Fibre																		
Others (pl.specify)																		
		Total																

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

** BCR= GROSS RETURN/GROSS COST

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
						Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																		
Poultry	Promotion of improved backyard poultry rearing	Scientific rearing of improved backyard poultry breed: Vanaraja, Cage system of backyard poultry rearing to protect from predatos Homestead low cost incubator for hatching backyard poultry eggs		15	300	2..1kg/bird	1.1kg/bird	91	• Incidence rate of mortality in chicks due to predator attack – 0 % • No.of eggs laid per hen housed -150	75% 80	7650	13000	5350	1.7	2825	3150	325	1.12
Rabbitry																		
Pigerry																		

Sheep and goat	Disease prevention in goats	Vaccination against infectious diseases like HS,ET,PPR Deworming and Deticking		**40**	**400**	13.5kg at 12th month	12.0kg at 12th month	12.5	**1. Reduction of percentage of infectious diseases (ET,PPR,HS) in goats – 100%** **2.** Occurrence of diseases (ET,PPR,HS) in goats- NA	**NA** 20%	55000	95000	40000	1.73	54000	68000	14000	1.26
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

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	Promotion of fish culture in potential village common water bodies	Composite fish culture		24	5 units /10000 fingerlings	Fingerlings are in growing stage harvest will be complete only by the month of August 2011												
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

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

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.)			
						Demonstration	Check									
maize thresher cum dehusker	Maize	Promotion of mechanized farming		10	5	7 labours /ha	14 labours /ha	50	7				1400			
Vegetable preservator (CRIDA model)	vegetables	Extending the shelf life of vegetables using low cost preservators		5	5 units	1	1									Not applicable

* 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	Pioneer B-11	15	6	5050	4520	11.6	26250	47975	21725	1.83
Rice										
Sorghum										
Wheat										

Others (pl.specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (pl.specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (pl.specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Others (pl.specify)										
Total										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										

Field bean										
Others (pl.specify)										
Total										
Commercial crops										
Sugarcane										
Coconut										
Others (pl.specify)										
Total										
Fodder crops	CO-4	10	1	360000	325000	9.56	10500	18500	8000	1.76
Maize (Fodder)										
Sorghum (Fodder)										
Others (pl.specify)										
Total										

IV. Training Programme

Farmers' Training including sponsored training programmes (On campus)

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				0			0	0	0	0
Weed Management				0			0	0	0	0
Resource Conservation Technologies	2	2	25	27	1	15	16	3	40	43
Cropping Systems				0			0	0	0	0
Crop Diversification				0			0	0	0	0
Integrated Farming	1	8	0	8	7	15	22	15	15	30
Micro Irrigation/Irrigation				0			0	0	0	0
Seed production				0			0	0	0	0
Nursery management				0			0	0	0	0
Integrated Crop Management	1	3	0	3	2	0	2	5	0	5
Soil and Water Conservation				0			0	0	0	0
Integrated Nutrient Management				0			0	0	0	0
Production of organic inputs				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
Horticulture				0			0	0	0	0
a) Vegetable Crops				0			0	0	0	0
Production of low value and high volume crop	5	107	26	133	28	4	32	135	30	165
Off-season vegetables				0			0	0	0	0
Nursery raising	3	14	0	14	0	0	0	14	0	14
Exotic vegetables				0			0	0	0	0
Export potential vegetables				0			0	0	0	0
Grading and standardization				0			0	0	0	0
Protective cultivation	1	4	0	4	1	0	1	5	0	5
Post harvest management for banana and vegetables	2	34	64	98	32	0	32	66	64	130
b) Fruits				0			0	0	0	0
Training and Pruning	1	2	2	4	0	0	0	2	2	4
Layout and Management of Orchards				0			0	0	0	0
Cultivation of Fruit				0			0	0	0	0
Management of young plants/orchards				0			0	0	0	0
Rejuvenation of old orchards				0			0	0	0	0
Export potential fruits				0			0	0	0	0
Micro irrigation systems of orchards				0			0	0	0	0
Plant propagation techniques	1	19	6	25	0	0	0	19	6	25

Training on Tissue culture Banana	1	3	0	3	2	0	2	5	0	5
c) Ornamental Plants				0			0	0	0	0
Nursery Management				0			0	0	0	0
Management of potted plants				0			0	0	0	0
Export potential of ornamental plants				0			0	0	0	0
Propagation techniques of Ornamental Plants				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
d) Plantation crops				0			0	0	0	0
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
e) Tuber crops				0			0	0	0	0
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
f) Spices				0			0	0	0	0
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
g) Medicinal and Aromatic Plants				0			0	0	0	0
Nursery management				0			0	0	0	0
Production and management technology				0			0	0	0	0
Post harvest technology and value addition				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
Soil Health and Fertility Management				0			0	0	0	0
Soil fertility management	2	20	16	36	8	0	8	28	16	44
Integrated water management				0			0	0	0	0
Integrated nutrient management	1	1	0	1	2	0	2	3	0	3
Production and use of organic inputs				0			0	0	0	0
Management of Problematic soils	2	22	10	32	1	0	1	23	10	33
Micro nutrient deficiency in crops	3	18	5	23	0	0	0	18	5	23
Nutrient use efficiency				0			0	0	0	0
Balanced use of fertilizers				0			0	0	0	0
Soil and water testing				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
Livestock Production and Management				0			0	0	0	0
Dairy Management	1	3	0	3	1	0	1	4	0	4
Poultry Management	2	18	19	37	1	8	9	19	27	46

Piggery Management				0			0	0	0	0
Rabbit Management				0			0	0	0	0
Animal Nutrition Management				0			0	0	0	0
Animal Disease Management				0			0	0	0	0
Feed and Fodder technology	1	8	3	11	6	2	8	14	5	19
Production of quality animal products				0			0	0	0	0
Goat management	6	20	1	21	14	0	14	34	1	35
Turkey and Quail management	3	20	0	20	15	0	15	35	0	35
Home Science/Women empowerment				0			0	0	0	0
Household food security by kitchen gardening and nutrition gardening	2	0	10	10	0	16	16	0	26	26
Design and development of low/minimum cost diet	1	0	8	8	0	6	6	0	14	14
Designing and development for high nutrient efficiency diet				0			0	0	0	0
Minimization of nutrient loss in processing				0			0	0	0	0
Processing and cooking				0			0	0	0	0
Gender mainstreaming through SHGs	**2**	0	23	23	0	18	18	0	41	41
Storage loss minimization techniques				0			0	0	0	0
Value addition	16	140	126	266	99	76	175	239	202	441
Women empowerment	3	8	42	50	0	26	26	8	68	76
Location specific drudgery production				0			0	0	0	0
Rural Crafts	1	4	2	6	2	14	16	6	16	22
Women and child care				0			0	0	0	0
An Interactive training for the Prosopis commodity groups on value addition and marketing strategies	**2**	12	20	32	8	15	23	20	35	55
Agril. Engineering				0			0	0	0	0
Farm machinery and its maintenance				0			0	0	0	0
Installation and maintenance of micro irrigation systems				0			0	0	0	0
Use of Plastics in farming practices				0			0	0	0	0
Production of small tools and implements				0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0	0	0	0
Small scale processing and value addition				0			0	0	0	0
Post Harvest Technology	2	8	19	27	12	24	36	20	43	63
Others (pl.specify)				0			0	0	0	0
Plant Protection				0			0	0	0	0
Integrated Pest Management	5	58	39	97	0	0	0	58	39	97
Integrated Disease Management				0			0	0	0	0

Bio-control of pests and diseases	4	41	4	45	32	0	32	73	4	77
Production of bio control agents and bio pesticides	2	14	23	37	4	0	4	18	23	41
Others (pl.specify)				0			0	0	0	0
Fisheries				0			0	0	0	0
Integrated fish farming				0			0	0	0	0
Carp breeding and hatchery management				0			0	0	0	0
Carp fry and fingerling rearing				0			0	0	0	0
Composite fish culture	2	2	23	25	3	31	34	5	54	59
Hatchery management and culture of freshwater prawn				0			0	0	0	0
Breeding and culture of ornamental fishes	3	12	3	15	12	0	12	24	3	27
Portable plastic carp hatchery				0			0	0	0	0
Pen culture of fish and prawn				0			0	0	0	0
Shrimp farming				0			0	0	0	0
Edible oyster farming				0			0	0	0	0
Pearl culture				0			0	0	0	0
Fish processing and value addition				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
Production of Inputs at site				0			0	0	0	0
Seed Production				0			0	0	0	0
Planting material production				0			0	0	0	0
Bio-agents production				0			0	0	0	0
Bio-pesticides production				0			0	0	0	0
Bio-fertilizer production	2	34	0	34	0	0	0	34	0	34
Vermi-compost production	1	4	2	6	2	1	3	6	3	9
Organic manures production				0			0	0	0	0
Production of fry and fingerlings				0			0	0	0	0
Production of Bee-colonies and wax sheets				0			0	0	0	0
Small tools and implements				0			0	0	0	0
Production of livestock feed and fodder				0			0	0	0	0
Production of Fish feed				0			0	0	0	0
Mushroom production	6	54	27	81	22	0	22	76	27	103
Apiculture				0			0	0	0	0
Others (pl.specify)				0			0	0	0	0
Capacity Building and Group Dynamics				0			0	0	0	0
Leadership development	**9**	0	63	63	0	76	76	0	139	139
Group dynamics	**15**	0	295	295	0	198	198	0	493	493
Formation and Management of SHGs				0			0	0	0	0
Mobilization of social capital				0			0	0	0	0
Entrepreneurial development of				0			0	0	0	0

farmers/youths										
Others (pl.specify)				0			0	0	0	0
Agro-forestry				0			0	0	0	0
Production technologies				0			0	0	0	0
Nursery management				0			0	0	0	0
Integrated Farming Systems	2	2	10	12	20	5	25	22	15	37
Others (Pl. specify)							0	0	0	0
TOTAL	**119**	**719**	**916**	1635	**337**	**550**	887	1056	1466	2522

.. 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								0	0	0
Weed Management	0	0	0	0	0	0	0	0	0	0
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0
Micro Irrigation/Irrigation	0	0	0	0	0	0	0	0	0	0
Seed production	4	24	12	36	0	0	0	4	24	12
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	2	16	6	22	8	8	16	24	14	38
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	4	32	14	46	12	14	26	44	28	72
Production of organic inputs	1	1	1	2	2	3	5	3	4	7
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Horticulture	0	0	0	0	0	0	0	0	0	0
a) Vegetable Crops	0	0	0	0	0	0	0	0	0	0
Production of low value and high volume crop	2	56	0	56	6	0	6	62	0	62
Off-season vegetables	0	0	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0	0	0
Exotic vegetables	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0
Protective cultivation	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
b) Fruits	0	0	0	0	0	0	0	0	0	0
Training and Pruning	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0	0	0
Cultivation of Fruit	1	6	2	8	0	0	0	6	2	8
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
c) Ornamental Plants	0	0	0	0	0	0	0	0	0	0

Nursery Management	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
d) Plantation crops	0	0	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
e) Tuber crops	0	0	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
f) Spices	0	0	0	0	0	0	0	0	0	0
Production and Management technology	1	3	3	6	2	2	4	5	5	10
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Soil Health and Fertility Management	0	0	0	0	0	0	0	0	0	0
Soil fertility management	4	24	12	36	0	0	0	24	12	36
Integrated water management	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	2	18	0	18	0	0	0	18	0	18
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0
Nutrient use efficiency	0	0	0	0	0	0	0	0	0	0
Balanced use of fertilizers	4	42	12	54	0	0	0	42	12	54
Soil and water testing	1	0	4	4	1	14	15	1	18	19
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Livestock Production and Management	0	0	0	0	0	0	0	0	0	0
Dairy Management	4	24	32	56	0	0	0	24	32	56
Poultry Management	2	25	55	80	0	0	0	25	55	80
Piggery Management	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0

Animal Nutrition Management	2	4	28	32	0	0	0	4	28	32
Animal Disease Management	2	18	10	28	4	0	4	22	10	32
Feed and Fodder technology	2	16	8	24	16	8	24	16	8	24
Production of quality animal products	16	8	24	16	8	24	16	0	0	0
Goat management	4	26	18	44	16	20	36	42	38	80
Home Science/Women empowerment	0	0	0	0	0	0	0	0	0	0
Household food security by kitchen gardening and nutrition gardening	0	0	0	0	0	0	0	0	0	0
Design and development of low/minimum cost diet	**24**	0	280	280	0	155	155	0	435	435
Designing and development for high nutrient efficiency diet	2	0	29	29	0	6	6	0	35	35
Minimization of nutrient loss in processing	6	0	32	32	0	46	46	0	78	78
Processing and cooking	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	2	2	6	8	2	3	5	4	9	13
Value addition	5	59	5	64	14	2	16	73	7	80
Women empowerment	0	0	0	0	0	0	0	0	0	0
Location specific drudgery production	10	66	67	133	48	32	80	114	99	213
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Women and child care	**6**	0	54	54	0	32	32	0	86	86
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Agril. Engineering	0	0	0	0	0	0	0	0	0	0
Farm machinery and its maintenance	0	0	0	0	0	0	0	0	0	0
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	**4**	18	15	33	34	19	53	52	34	86
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Plant Protection	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	**1**	8	4	12	0	0	0	8	4	12
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	**3**	14	14	28	3	12	15	17	26	43
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Fisheries	0	0	0	0	0	0	0	0	0	0

Integrated fish farming	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Composite fish culture	20	144	153	297	152	208	360	296	361	657
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Production of Inputs at site	0	0	0	0	0	0	0	0	0	0
Seed Production	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	**2**	9	2	11	4	0	**4**	13	2	15
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	**2**	31	5	36	0	0	**0**	31	5	36
Organic manures production	**3**	73	12	85	15	4	**19**	88	16	104
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0
Mushroom production	**2**	21	4	25	0	0	**0**	21	4	25
Apiculture	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Capacity Building and Group Dynamics	0	0	0	0	0	0	0	0	0	0
Leadership development	0	0	0	0	0	0	0	0	0	0
Group dynamics	**62**	12	1435	1447	0	1040	**1040**	12	2475	2487
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0
Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
Agro-forestry	0	0	0	0	0	0	0	0	0	0
Production technologies	0	0	0	0	0	0	0	0	0	0

Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
Others (Pl. specify)	0	0	0	0	0	0	0	0	0	0
TOTAL	**212**	**800**	**2358**	**3142**	**347**	**1652**	**1983**	**1095**	**3966**	**5045**

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	2	0	2	3	3	6	5	3	8
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs	3	46	42	88	16	16	32	62	58	120
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	2	3	0	3	0	6	6	3	6	9
Small scale processing	3	14	8	22	14	14	28	28	22	50
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying	2	3	0	3	4	2	6	7	2	9
Sheep and goat rearing	1	8	0	8	0	0	0	8	0	8
Quail farming										
Piggery										
Rabbit farming										
Poultry production	6	31	46	77	0	21	21	31	67	98
Ornamental fisheries										
Composite fish culture	1	4	0	4	0	0	0	4	0	4
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Kitchen garden establishment and maintenance	0	28	0	28	0	0	0	28	0	28
TOTAL	19	139	96	235	37	62	99	176	158	334

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	5	0	62	62	0	48	48	0	110	110
Post Harvest Technology										
Tailoring and Stitching	**22**	0	371	371	0	119	119	0	490	490
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production	1	8	0	8	0	0	0	8	0	8
Ornamental fisheries										
Composite fish culture	24	100	48	148	46	49	95	146	97	243
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	52	108	481	589	46	216	262	154	697	851

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	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	2	18	12	30	14	6	20	32	18	50
Care and maintenance of farm machinery and implements	2	0	42	42	0	14	14	0	56	56
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Women and Child care	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	1	0	0	0	1	24	25	1	24	25
Information networking among farmers	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0
Management in farm animals	2	26	6	32	6	4	10	32	10	42
Livestock feed and fodder production	2	14	28	42	4	12	16	18	40	58
Household food security	2	3	35	38	1	21	22	4	56	60
Any other (pl.specify) soil and water testing collection procedures	2	2	31	33	42	0	42	44	31	75
Training on KVK activities and income generation programmes for self help group members	3	2	8	10	14	6	20	16	14	30
Total	16	65	162	227	82	87	169	147	249	396

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

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

7.G. Sponsored training programmes

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Increasing production and productivity of crops										
1.b.	Commercial production of vegetables	**2**	50	0	50	15	0	**15**	**65**	**0**	**65**
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**	**2**	42	83	125	44	24	**68**	**86**	**107**	**193**
7.a.	Processing and value addition	**6**	74	19	93	72	24	**96**	**146**	**43**	**189**
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	**2**	0	18	18	0	14	**14**	**0**	**32**	**32**
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	**12**	**166**	**120**	**286**	**131**	**62**	**193**	**297**	**182**	**479**

Details of sponsoring agencies involved

1. SPIC, Thoothukudi
2. TNAU, coimbatore
3. ATMA, Thoothukudi
4. SCAD,Thoothukudi
5. Dept.of Agri.Engineering,Thoothukudi

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

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Commercial floriculture										
1.b.	Commercial fruit production										
1.c.	Commercial vegetable production										
1.d.	Integrated crop management										
1.e.	Organic farming										
1.f.	Others (pl.specify)										
2	**Post harvest technology and value addition**										
2.a.	Value addition										
2.b.	Others (pl.specify)										
3.	**Livestock and fisheries**										
3.a.	Dairy farming										
3.b.	Composite fish culture										
3.c.	Sheep and goat rearing										
3.d.	Piggery										
3.e.	Poultry farming										
3.f.	Others (pl.specify)										
4.	**Income generation activities**										
4.a.	Vermi-composting										
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.										
4.c.	Repair and maintenance of farm machinery and implements										
4.d.	Rural Crafts										
4.e.	Seed production										
4.f.	Sericulture										
4.g.	Mushroom cultivation										
4.h.	Nursery, grafting etc.										
4.i.	Tailoring, stitching, embroidery, dying etc.	30	0	371	371	**0**	119	**0**	**0**	**490**	**490**
4.j.	Agril. para-workers, para-vet training										
4.k.	Others (pl.specify)										
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics										
5.b.	Others (pl.specify)										
	Grand Total	30	0	371	371	**0**	119	**0**	**0**	**490**	**490**

V. Extension Programmes

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	12	169	334	503	43	34	77	30	45	75
Kisan Mela	7	1336	3595	4931	0	0	0	93	69	162
Kisan Ghosthi	0	0	0	0	0	0	0	0	0	0
Exhibition	01	24	56	80	6	18	24	20	35	55
Film Show	16	122	88	210	0	0	0	0	0	0
Method Demonstrations	0	0	0	0	0	0	0	0	0	0
Farmers Seminar	12	96	109	205	0	0	0	0	0	0
Workshop	0	0	0	0	0	0	0	0	0	0
Group meetings	24	78	265	343	0	0	0	0	0	0
Lectures delivered as resource persons	22	320	412	732	0	0	0	0	0	0
Newspaper coverage	3	0	0	0	0	0	0	0	0	0
Radio talks	8	0	0	0	0	0	0	0	0	0
TV talks	0	0	0	0	0	0	0	0	0	0
Popular articles	0	0	0	0	0	0	0	0	0	0
Extension Literature	0	0	0	0	0	0	0	0	0	0
Advisory Services	67	138	78	216	40	65	125	0	0	0
Scientific visit to farmers field	125	212	112	324	25	35	60	0	0	0
Farmers visit to KVK	48	312	156	468	75	55	130	0	0	0
Diagnostic visits	45	25	10	35	5	5	10	0	0	0
Exposure visits	2	4	0	4	12	0	12	0	0	0
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0
Soil health Camp	0	0	0	0	0	0	0	0	0	0
Animal Health Camp* (details attached separately)	59	423	655	1078	113	432	545	35	45	80
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	2	55	35	90	30	25	55	0	0	0
Farm Science Club Conveners meet	10	68	0	68	42	0	42	0	0	0
Self Help Group Conveners meetings	824	0	9984	9984	0	0	0	0	35	35
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0
Celebration of important days (specify)	0	0	0	0	0	0	0	0	0	0
Women's Day	1	200	3800	4000	0	0	0	0	0	0
World Food Day	1	24	56	80	6	18	24	20	35	55
Farmers meeting	47	263	285	548	0	0	0	0	0	0
VLWC Meeting	4	5	24	29	0	0	0	0	0	0
PLF Meeting	96	0	1788	1788	0	0	0	0	18	18
Atma meeting	5	0	0	0	0	0	0	0	0	0
Tree planting	6	12	120	132	14	75	89	12	35	47
Machinery Demo	2	28	37	65	0	0	0	4	0	4
PRA	1	20	25	45	0	0	0	0	0	0
Farm field school	22	145	123	268	0	0	0	0	0	0
Guidance & counseling for victims wife	1	0	12	12	0	0	0	0	0	0
Total	**1473**	**4079**	**22159**	**26238**	**411**	**762**	**1193**	**214**	**317**	**531**

VI. PRODUCTION OF SEED/PLANTING MATERIAL

Production of seeds by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Quantity of seed (qtl)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)						
Oilseeds						
Pulses	Black gram	VBNBG-4		5.8	58000	60
Commercial crops						
Vegetables	Kitchen garden seed kit			3.0	30000	3000
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others (specify)						
Total				**8.8**	**88000**	**3060**

Production of planting materials by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Fruits	Mango	Banglora		2	60	2
		Senduram		50	2500	20
		Neelam		13	1500	15
		Panchavernam		5	150	5
		Alphonsa		15	450	5
	Pomagranate			395	3950	395
	Annona			800	8000	400
	Bitter lime			80	800	50
	Papaya	Co 2		325	1625	325
	Sapotta	PKM-1		1105	33150	1000
	Amla seedlings	BSR-1		50	1250	25
	Amla	goose berry		293	2051	251
	Guava	L-49		248	2480	254
	Noval			78	624	78
	cherry			1	5	1
	Lemon			25	250	25
Ornamental plants					0	
	Thuja			157	3140	169
	Bougainvilla			15	75	15
	Cleodendran			349	1745	250
	Kannagambaram			2	10	1
	Daguma			154	770	125
	Gundu malligai			16	80	10

	bedilanthus			50	250	5
	Hibiscus ordinary			79	395	243
	Hibiscus adduku			15	75	120
	Hibiscus rose			10	50	5
	sandal			29	145	20
	Pitchi poo			69	884	69
	Badam			124	1240	124
	Crotons (acalipah)			548	2740	125
	Poovarasu			8	40	8
	Alamonda			15	75	15
	Red Rose			2	10	2
	Durantha green			524	2620	100
	Duranta white			126	630	15
Medicinal and Aromatic					0	
	Erythrina			0	0	0
	Nagamalli			16	80	10
	Megasanjeevi			129	645	129
	Thuthuvalai			12	60	10
	Adathodai			13	65	30
	Sarpaganda			1	5	4
	Gymnema			12	60	12
	Tulsi			26	130	25
	Karisalankanni			1	5	1
	Nanthiavattai			4	20	2
	Vettiver			680	3400	29
	Aloevera			5	25	4
	omavalli			31	155	31
	Curry leaf			1008	5040	100
					0	
	Pungam			28	560	14
	Bamboo			10	50	2
	Eucaliptus			5	25	1
Fodder crop saplings	Subabul			846	4230	3
		CO-4		40000	20000	20
Forest Species					0	
	Vagai			87	1740	40
	Gulmuhar			190	3800	150
	Casuarina			47425	9566	145
	Peoples tree			15	300	15
	Jatropha			10	50	1
	Tamarind			196	3920	145
	Kumil			498	7470	125
	Maruthu			50	750	25
	Fig			8	160	4
	Gliricidia			450	4500	45
	Ailanthus			2	12	2

	simaruba			1045	5225	1045
Total				98580	145867	6441

Production of Bio-Products

Bio Products	**Name of the bio-product**	**Quantity Kg**	**Value (Rs.)**	**Number of farmers to whom provided**
Bio Fertilizers	Azopirillum	1053	36295.00	1700
	Phosphobacteria	935	32725.00	1200
	Rhizobium	734	25690.00	700
Bio-pesticide				
Bio-fungicide	Pseudomonas	58	6960.00	400
	T.viridi	58	6960.00	300
Bio Agents				
Others (specify)	Vermicompost	1138	10138.00	650
Total		**3976**	**1,02,708.00**	**4950**

Production of livestock and related enterprise materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals				
Cows	Holstein Friesian	2	30000	2
Buffaloes				
Calves	Holstein Friesian	1	5000	1
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail	Nandanam III	478	2868	8
Turkey				
Emu				
Ducks				
Improved Backyard poultry	Vanaraja	2000	40000	80
	Giriraja	1000	20000	40
	Colour broiler	100	2000	10
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Fingerlings	Composite fish culture	10000	20000	10
Goat	Jamunapari cross	12	12000	6
Total				

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

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	**285**	**205**	**56**	**7125**
Water Samples	**165**	**165**	**106**	**5300**
Plant samples	**0**	**0**	**0**	**0**
Manure samples	**0**	**0**	**0**	**0**
Others (specify)	**0**	**0**	**0**	**0**
Blood samples	**15**	**15**	**10**	**750**
Total	**465**	**385**	**172**	**13175**

VIII. SCIENTIFIC ADVISORY COMMITTEE

Number of SACs conducted
Nil

IX. NEWSLETTER

Number of issues of newsletter published
Nil

X. RESEARCH PAPER PUBLISHED

Number of research paper published
Nil

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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