PROFORMA FOR ANNUAL REPORT 2010-11

(FOR THE PERIOD APRIL 2010 TO MARCH 2011)

KRISHI VIGYAN KENDRA (SIVAGANGAI)

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		
Krish Vigyan Kendra, Tamilnadu Veterinary and Animal Sciences University, Kundrakudi, Sivagangai District – 630 206	04577 264288	04577 264288	kvkkundrakudi@yahoo.co.in	**www.kvkshivaganga.com**

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

Address	Telephone		E mail	Web Address
	Office	Fax		
Tamilnadu Veterinary and Animal Sciences University, Madhavaram Milk Colony, Madhavaram, Chennai – 5, Tamilnadu.	044 2555 1586 /87 044 2555 4555 /56	044 2555 1576 /85	tanuvas@vsnl.com	www.tanuvas.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr.V.Palanichamy, Ph.D.,	--	94431 02139	drvpalanichamy@yahoo.co.in

1.4. Year of sanction: 1996

1.5. Staff Position (as 31st March 2011)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Dr.V.Palanichamy	Associate Professor and Head	M	A.H. Economics	Ph.D.,	15600-39100+GP 8000	26020	03.02.2005	Permanent	SC
2	SMS	Dr.S.Sendurkumaran	Assistant Professor (SS)	M	Horticulture	Ph.D.,	15600-39100+GP 7000	24090	01.03.2001	Permanent	OBC
3	SMS	Dr. R.Thangathurai	Assistant Professor	M	Veterinary Pathology	Ph.D.,				Permanent	SC

4	SMS	Dr.P.G.Thenmozhi	Assistant Professor	F	Home science.	Ph.D.,	15600-39100+GP 6000	21970	19.05.2006	Permanent	SC
5	SMS	Th.T.Selvaraj	Assistant Professor	M	Soil Science	M. Sc., (Ag)	15600-39100+GP 6000	18320	26.05.2006	Permanent	BC
6	SMS	Dr. V. Thavasiappan	Assistant Professor	M	Animal Physiology	M.V.Sc.,	15600-39100+GP 6000	17610	25.11.2009	Permanent	SC
7	SMS	Th.P. Ganesan	Assistant Professor	M	Fisheries	M.F.Sc.,	15600-39100+GP 6000	15600	26.03.2010	Permanent	DNC
8	Programme Assistant(Lab Tech.)/T-4	Tmt..M. Abirami	Programme Assistant	F	Home Science	MSc., M Phil	9300-34800+GP 4400	12080	22.05.2006	Permanent	MBC
9	Programme Assistant (Computer)/ T-4	Th.A.Selvarai	Assistant	M	HSc., Type writing Both Higher	SSLC	5200-20200+GP 2400	10460	01.06.2007	Permanent	BC
10	Programme Assistant/ Farm Manager	Th.V.Wilfred Arokiaraj	Farm Manager	M	Agriculture	D. Agri	5200-20200+GP 2400	9750	27.09.2000	Permanent	BC
11	Assistant	Th.R.Renganathan	Supt.	M	-	PUC and Passed for subordinate officers Part – I	9300-34800+GP 4800	13810	06.11.2006	Permanent	BC
12	Jr. Stenographer	Th.G.Vivekanandan	Assistant	M	-	HSc., Type writing Both Higher	5200-20200+GP 2400	9800	20.11.2008	Permanent	BC
13	Driver	Th.J.Murugesan	Driver	M	-	VIIIth Std. (Failed)	5200-20200+GP 2000	6710	19.05.2006	Permanent	BC
14	Driver	Th.S.Venkatesan	Driver	M	-	XIIIth	5200-20200+GP 2000	6710	22.05.2006	Permanent	BC
15	Supporting staff	Th.K. Satthappan	Attendant	M	-	VIIIth Std.	5200 – 20200 + Gp.1900		28.02.2011	Permanent	BC
16	Supporting staff	Vacant	-	-	-	-	-	-	-	-	-

1.6. Total land with KVK (in ha) 50 ha

S. No.	Item	Area (ha)
1	Under Buildings	0.037
2.	Under Demonstration Units	0.400
3.	Under Crops	12.00
4.	Orchard/Agro-forestry	15.00
5.	Others	-

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	1998	468.92	19.51 lakhs	-	-	-
2.	Farmers Hostel	Construction under progress						
3.	Staff Quarters	Plan and estimate were prepared and sent for approval						
4.	Demonstration Units	ICAR	2005	40.00	1.83 lakhs	-	-	-
5	Fencing	ICAR	1998	50 acre	5.0 Lakhs	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor	1997	1,39,918	1,074	Fair
TVS Champ	1998	13,744	2,597	Unsatisfactory
Tempo traveler	1996	3,63,803	53,293	Unsatisfactory
Bolero Jeep	2009	5,81,616	12000	Good
Hero Honda Achiever	2009	48,630	426	Good
Power Tiller	2011	1,48,800	--	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
T V	1995	17,992	Fair
V C R	1995	18,399	Fair
P A System	1995	8,132	Fair
O H P	2004	18,700	Good
Slide Projector	2004	18,000	Good
Xerox Machine	2005	70,000	Good
Computer with Accessories	2005	41,500	Good
Digital Camera	2005	19,937	Good
LCD (Toshiba TDP – T – 100)	2007	92,785	Good
Fax machine	2009	9765.00	Good
Touch Screen	2010	1,33,553.00	Good
Digital Camera (2)	2011	24,980.00	Good
EPABX system	2011	49,900	Good
Generator	2011	1,00,000	Good

1.8. Details SAC meeting conducted in 2010-11

Sl.No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
1	19.02.2010	11	10		
2				Suggested that Home scientist to visit Krishi Vigyan Kendra, Namakkal and replicate the concept of Uzavar Unavagam in Sivagangai District.	Home scientist Dr. P.G. Thenmozhi has visited Krishi Vigyan Kendra, Namakkal on 17.04.2010 and is now training farmer in sivagangai district in the preparation of value added products from cereals and minor millets
3				Suggested that the Soil scientist to incorporate more action photos in the presentation.	Soil scientist has been advised to incorporate more action photos during presentation
4				Suggested that Krishi Vigyan Kendra shall promote cultivation of fodder crops Co4 in Ilaiyangudi block	Krishi Vigyan Kendra has proposed to implement FLD on popularization of Co4 fodder among dairy farmers during 2010-2011.
5				Krishi Vigyan Kendra shall conduct training programme for marketing of agricultural produce.	Farmers exposure visit to Gandhi Vegetable and Fruit Market, Ottanchatram has been conducted to create awareness regarding marketing of Agricultural produce
6				Suggested that Krishi Vigyan Kendra encourage farmers to take up bank loans for purchase of agricultural machineries with 30 percent subsidy	Awareness is being created among farmers at Krishi Vigyan Kendra regarding 30 percent subsidy for agricultural implements
7				Suggested that Social welfare Department, shall be informed regarding the home science related training Programmes at Krishi Vigyan Kendra, Kundrakudi.	Information is being given regarding home science training programmes to social welfare department
8				Suggested that a newly introduced plant growth regulator AIM could be utilized by the farmers to arrest flower dropping in Chillies.	Awarness is being created regarding growth regulator AIM among farmers of Sivagangai district during on and off campus training programmme
9				Krishi Vigyan Kendra shall provide training to farmers from Sivagangai district regarding seed production and certification for pulses	Training has been provided to FLD farmers regarding feed production and Certification in pulses
10				Krishi Vigyan Kendra should initiate steps in identification of local varieties in vegetable crops for conservation and propagation.	Promising local varieties will be identified during off campus or field visit and steps will be taken for their coservation
11				Suggested that impact analysis of animal husbandry activities should be done by Krishi Vigyan Kendra, Kundrakudi	The impact of training on Artificial insemination to local unemployed youth is being documented in the form of case study

PART II - DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Rainfed: Paddy-groundnut, Paddy – Blackgram and Paddy - Sesame Vegetables- Tomato, Chilli and Rain fed Fruit crops- Mango, Amla, Sapota and Guava Plantation crops – Cashew and coconut Medicinal Plants- Periwinkle,and Senna Cattle – Fodder production and dairy cows management, Small Ruminants – Sheep and Goat rearing Poultry - Backyard poultry, Desi birds and Turkey Broilers as integration with private broiler hatcheries.
2	Garden land: Paddy-Black gram, Groundnut & sesame, Maize, Sugarcane Vegetables – Chillies, Tomato, Brinjal, and Bhendi Fruits – Mango, Lime, Pomegranate Plantation crops – Coconut Sheep & goat-Dairy cows Poultry – Desi birds and Turkey
3	Wetland: Paddy-Paddy-Paddy, Paddy-Paddy - Blackgram Dairy cows Poultry – Broilers and Desi birds

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

S. No	Agro-climatic Zone	Characteristics
1	Sub Zone V Southern Zone	Land scape of this district is mostly plains with less mountains and hillocks. North and Northwestern parts are undulating and plains in southern and eastern parts.

S. No	Agro ecological situation	Characteristics
1	D 3.4	Tamilnadu up land and narrow strip of TN plain, gradually merging to south eastern coastal plains with little to moderate moisture availability.
2	D 4.4	Hot and dry, moderate moisture availability.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Red loam	low N and P status, Poor CEC	10,250.00
2	Clay loam	Low N, P and K status	80,620.00

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

S. No	**Crop**	**Area (ha)**	**Production (Metric tons)**	**Productivity (kg /ha)**
1	Paddy	90538.00	1785350.00	21.09
2	Groundnut	11241.00	103190.00	14.14
3	Pulses	2439.00	3690.00	4.77
4	Sesame	813.00	700.00	3.24
6	Sugarcane	5052.00	3895210.00	870.00
7	Chilli	5200	68000	13076
8	Coconut	1050	1673700 nuts	1594 nuts
9	Mango	1562	73649	47
10	Cashew	4554	27324	6
11	Other vegetables	720	9600.00	13.3

2.5. Weather data

Month	**Rainfall (mm)**	**Temperature ^{0} C**		**Relative Humidity (%)**
		Maximum	**Minimum**	
April 2010	52	32	28	75
May 2010	21	32	30	77
June 2010	56	33	30	74
July 2010	34.5	31	27	80
August 2010	188.6	31	28	75
September 2010	192	30	28	76
October 2010	68.6	31	30	77
November 2010	252.5	29	27	79
December 2010	72.9	30	27	81
January 2011	17.2	31	26	81
February 2011	-	32	27	79
March 2011	-	32	29	75

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

Category	Population	Production	Productivity
Cattle			
Crossbred	80,561	23,646 tonnes of milk	-
Indigenous	2,00,011	41,983 tonnes of milk	-
Sheep			
Crossbred	23,611	-	-
Indigenous	2,04,061	-	-
Goats	2,34,746	-	-
Pigs	5,164	-	-
Crossbred	68	-	-
Indigenous	5,096	-	-

Category	Area	Production	Productivity
Inland Fish	-	**1600**	-

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

2.8 Details of Operational area / Villages

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational areaof the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
AGRONAMY							
1	Thirupathur	Thirupathur	Ammayenthal, Kanakkanpatti,	3	Paddy, groundnut and blackgram	Low yield due to improper crop management practices	SRI and ICM respectively
2	Thirupathur	Thirupathur	M. K. Patti	2	Paddy,	Low yield due to poor nutrient management, BLB, Blasts, Stem borer and leaf folder and weed infestation in direct seeded rice.	Seed treatment with fungicides and bio inoculants. INM, IPM

3	Thirupathur	Thirupathur	M. K. Patti	2	Groundnut	Root rot in groundnut, low yield due to non adoption of high yielding drought resistant varieties and poor nutrient management	Introduction of high yielding and drought resistant, short duration varieties, ICM, Foliar nutrition with growth hormones and groundnut tonic.
4	Thirupathur	Thirupathur	M. K. Patti	2	Blackgram	YMV infestation, Low yield due to non adoption of high yielding drought resistant varieties	Introduction of high yielding and drought resistant, short duration varieties and ICM
5	Thirupathur	Thirupathur	Pattamangalam	1	Paddy	Scarcity of laborers	Drudgery reduction – Improved paddy direct seeder
6	Devakkottai	Devakkottai	Sarugani	2	Paddy	Scarcity of laborers	Drudgery reduction – Improved paddy direct seeder
7	Karaikudi	Kallal	Sethu Regunathan Pattinam	3	Paddy	Poor nutrient management, weed menace, Leaf folder, BPH, Stem borer, BLB and blast in paddy.	Seed treatment with fungicides and bio inoculants. System of Rice Intensification, IWM, INM and IPM
8	Karaikudi	Kallal	Thenkarai	2	Paddy	Low yield due to improper crop management	SRI
9	Karaikudi	Kallal	Thenkarai	2	Blackgram	Low yield due to non adoption of high yielding drought resistant varieties	Introduction of VBN 4 high yielding and drought resistant, short duration varieties and ICM
10	Karaikudi	Sakkottai	Ariyakudi	3	Maize	-	Introduction of alternate crop
11	Karaikudi	Sakkottai	Meenavayal	3	Paddy	Poor yield	SRI
12	Karaikudi	Sakkottai	Ariyakudi	3	Blackgram	Poor yield	Introduction of VBN 4 high yielding and drought resistant, short duration varieties
13	Karaikudi	Sakkottai	Meenavayal	3	Groundnut	Poor yield	ICM

14	Karaikudi	Kallal	Thulavoor, Karaikudi	3	Paddy	Poor yield and paucity of labourers	SRI and improved direct paddy seeder
15	Karaikudi	Kallal	Thulavoor,	3	Blackgram	Poor yield	Introduction of VBN 4 and ICM
16	Karaikudi	Kallal	Thulavoor,	3	Maize	-	Introduction of alternate crop
17	Karaikudi	Kallal	Veerianpatti	2	Direct seeded rice	Weeds, Drought, poor yield due to improper nutrient management and pests	Seed hardening and treatment with fungicides and bio inoculants, IWM in direct seeded rice,
18	Thirupathur	Thirupathur	Illayathankudi	2	Blackgram and groundnut	Poor yield due to adoption of local long duration varieties, YMV, Root rot, leaf minor and poor nutrient management	Popularization of high yielding short duration varieties, INM, IPM, gypsum application for groundnut, Seed treatment with fungicides and bio inoculants
19	Singam punari	Singam punari	Maruthipatti	2	Sesame	Low yield (non adoption of high yielding varieties and poor nutrient management) and pod borer incidence	IPM, Integrated Plant Nutrient Supply System and introduction of high yielding varieties.
20	Singam punari	Singam punari	Kirungakottai	2	Groundnut	Poor yield	Introduction of high yielding drought resistant varieties
21	Karaikudi	Sakkottai	Kalanivasal	1	Paddy	Low yield due to improper crop management	SRI
22	Manamadurai	Manamadurai	Nedungulam, Keelakudiyiruppu, Melakudiyiruppu	2	Direct seeded rice	Weeds, Drought, poor yield due to improper nutrient management and pests	Seed hardening and treatment with fungicides and bio inoculants, IWM in direct seeded rice,
23	Manamadurai	Manamadurai	Nedungulam, Keelakudiyiruppu, Melakudiyiruppu	2	Groundnut	Poor yield	Introduction of high yielding varieties.

ANIMAL HUSBANDRY							
Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Sivagangai	Sivagangai	Alavakottai, Kootturavupatti and Kallaradhinipatti	10	Dairy cows and Goat	Infertility and postpartum anestrous, Ecto and endo parasitism, respectively	Feeding management, deticking and Deworming
2	Thirupathur	S.Pudur	Kilavayal	8	Goat	Infestation of Ecto - parasites	Dipping with synthetic pyrithroids
3	Karaikudi	Sakkottai	Periyakothagudi, Manachai, Gulappadi and K.Velangudi	9	Sheep and Calves	Worm load	Deworming
4	Sivagangai	Singampunari	Sevarakottai	11	Dairy cows	Reduced quantity and fat content in the milk	Feeding and health management
5	Devakkottai	Devakkottai	Othakadai	7	Dairy cows	Reduced quantity and fat content in the milk	Feeding and health management
6	Kalaiyarkoil	Kalaiyarkoil	Keelakkottai Madagupatty	5	Desi birds	Fowl pox disease	Fowl pox Vaccination
7	Karaikudi	Karaikudi	Kottaiyur S.Velangudi	12	Turkey	Ranikhet disease	RD Vaccination
8	Sakkottai	Sakkottai	Puduvayal Enjavayal	8	Desi birds	Ranikhet disease and endo parasites	Vaccination and deworming
9	Thiruppathur	Kallal	Palavangudi Pillayarpatty	8	Desi birds	Ecto parasites	Dipping in medicated solution
10	Ilayangudi	Ilayangudi	Kottaiyur Keelayur	12	Turkey	Fowl pox disease	Fowl pox Vaccination
11	Thiruppathur	Kallal	Thambipuram	2	Cross bred desi birds	Poor growth performance and Productivity	Popularization of CARI Aseel cross bred chicks
12	Thiruppathur	Kallal	Nerpugapatti and Kulappadi	2	Cross bred desi birds	Poor growth performance and Productivity	Popularization of CARI Aseel cross bred chicks

13	Ilayangudi	Ilayangudi	Salaigramam	2	Cross bred Turkey	Poor growth performance and Productivity	Popularization of CARI Turkey
14	Devakottai	Kallal	Pavasi	1	Cross bred desi birds	Poor growth performance and Productivity	Popularization of CARI Aseel cross bred chicks
15	Ilayangudi	Ilayangudi	Thiruppuvanam	2	Cross bred desi birds	Poor growth performance and Productivity	Popularization of CARI Aseel cross bred chicks
16	Kalaiyarkoil	Kallal	Thiruthipatti Panangudi	2	Dairy cows Desi birds	Poor productive and reproductive performance	Feeding and health management
17	Kalaiyarkoil	Kallal	Thiruthipatti	2	Co- 4 Cultivation for animals	Quantity and quality reduction of milk	Enhance in Co-4 cultivation
18	Ilayangudi	Ilayangudi	Thiruppuvanam Keelavelur Peesarpattinam	8	Dairy cows Sheep and Goats Desibirds	Infertility and postpartum anestrous Ecto and endo parasitism Ranikhet disease	Feeding and clinical management Deticking and Deworming RD Vaccination
HORTICULTURE							
1.	Karaikudi	Kallal	Alangudi,Kottakadu, and Managiri	8	Cashew	Tea mosquito bug and Stem borer in cashew	IPM in Cashew
2.	Thiruppathur	Thiruppathur	Chandranpatty, Kilachevalpatty and North Ilayathangudi	10	Tomato	Low yield in Tomato	Introduction of high yielding varieties
3.	Ilayangudi	Ilayangudi	Nedungulam Munaivendri	11	Chillies	Leaf curl virus, Low yield in chillies High yielding variety introduction and IDM in chillies	
4.	Singampunari	S.Pudur	Konampatty, K.pudupatty	8			
5.			Thiruvandivayau,Kattukudipatti Pallapatty, Melapatty and Piranmalai	9	Coconut	Black headed cater pillar and Boron deficiency in coconut	INM and IPM in coconut
6.	Sakkottai	Sakkottai	Panampatty, Periyakottai, Kandanur	8	Tomato and Brinjal	LCV in Tomato & Shoot and fruit borer in brinjal	IPM in Tomato & brinjal
7.	Sivagangai	Kalayarkoil	Susaiyapparpattinam	10	Amla	Bark borer in Amla	IPM in Amla

8.			and Kalayarkoil	10	Mango	Stem borer, Non availability of promising varieties in Mango	IPM and Introduction of regionally performing promising varieties
HOME SCIENCE							
1	Thiruppathur	Kallal	Thambipuram	2	Millets	Malnutrition	Introduction of weaning food
2	Thiruppathur	Kallal	Thulavoor	6	--	Anemia	Prevention of anemia and supplementation of iron rich foods
3	Karaikudi	Sakkottai	Patharakkudi	7	Value addition	Low price of blackgram	Value addition
4	Thiruppathur	Kallal	Nerppukappatti	3	Value addition	Low price of chillies	Value addition
5	Thiruppathur	Kallal	Sevinippatti	4	Value addition	Low price and perishable nature of the commodity (lemon)	Value addition
6	Karaikudi	Sakkottai	Kandanoor	4	Self employ ment	Poor income due to uncertainty of agriculture	Self employment through preparation of home care products (candle and washing powder making)
7	Karaikudi	Sakkottai	Manachai	4	Self employ ment	Poor income due to uncertainty of agriculture	Self employment through preparation of home care products (candle washing powder and phenyl making)
8	Karaikudi	Sakkkotai	Kothamangalam	5	Self employ ment	Poor income due to uncertainty of agriculture	Self employment through preparation of home care products (washing powder and phenyl and cleaning powder)

SOIL SCIENCE							
1	Singampunari	S.Pudur	Melapatty and Piranmalai		Coconut	Low productivity in Coconut	Training on nutrient management and root feeding in coconut
2	Karaikudi	Kallal	S.R.Pattinam		Paddy	Low productivity	Integrated nutrient management, foliar application of nutrient
3	Thiruppathur	Kallal	Muthupatti		Paddy and Vegetable crops	Low productivity	Integrated nutrient management and organic farming
4	Karaikudi	Kallal	Ariyakudi		Coconut	Problem soils	Integrated nutrient management and root feeding
FISHERIES							
Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Sivagangai	Sivagangai	Cholapuram. Okkur	1	Carp	Low productivity due to lack of awareness in proper composite carp culture	proper composite carp culture management
2	Thiruppathur	Thiruppathur	A.Thekkur Thiruvudaiyarpatti	1	Carp	Low productivity due to lack of awareness in proper composite carp culture	proper composite carp culture management
3	Singampunari	S.Pudur	Melapatty	1	Carp	Low productivity due to lack of awareness in proper composite carp culture	proper composite carp culture management
4	Sivagangai	Kallal	Paganeri. Gadaneri, Vellamsampatti, Nerpugapatti	1	Carp	Low productivity due to lack of awareness in proper composite carp culture	proper composite carp culture management

5	Sivagangai	Thirupachethi	Padamatthur	1	Murrel	Lack of awareness in diseases	Disease Management
6	Devakottai	Kallal	Kallupatti. Kandipaati, A.Siruvayal	1	Fresh water prawn	Lack of awareness in culture	Culture practices , feed and disease management
7	Thiruppathur	Kallal	Thambipuram	1	Carp	Low productivity due to lack of awareness in proper composite carp culture	proper composite carp culture management
8	Thiruppathur	Thiruppathur	Thirukostiyur	1	Carp	Low productivity due to lack of awareness in proper composite carp culture	proper composite carp culture management

2.8 Priority thrust areas

S. No	Thrust area
AGRONOMY	
1	Integrated crop management in paddy, groundnut and black gram
2	Introduction of High Yielding, Short duration and Drought tolerant varieties in paddy, groundnut and black gram
3	Popularization of SRI system
4	Popularization of improved direct paddy seeder
5	Integrated weed management in field crops
6	Alternate cropping
7	Eco friendly Integrated Pest Management in paddy, blackgram, groundnut
8	Seed Production Techniques for field crops
9	Integrated farming system for dry and garden land ecosystem
10	Fodder and forage production techniques
11	Eco friendly Integrated Pest Management in cotton
ANIMAL HUSBANDRY	
1	Popularization of mineral mixture supplementation in crossbred cattle
2	Popularization of Salt lilck in cross bred calves
3	Control of ecto and endo parasited in sheep & goat
4	Clinical intervention in post partum anestrous in cows
5	Control of infertility in cows
6	Popularisation of CARI Turkey, Aseel and Cauvery birds
7	Popularisation of Namakkal – 1 Desi birds
8	Popularisation of Nandanam Guinea Fowl
9	Deworming in desibirds against endo parasites
10	Spraying of chemicals for ecto parasites in desibirds
11	Vaccination in desibirds

12	Vaccination in Turkey
13	Popularization of Nandanam turkey and Japanese quail
14	Deworming in desibirds against endo parasites
HORTICULTURE	
1	Introduction of Hybrids for vegetables namely brinjal and chillies
2	Popularization of grafted saplings in fruit crops such as mango, amla and cashew
3	Introduction of Precision farming systems for vegetables
4	Advocation of certification for organic produces in vegetable
5	Advocation of Poovan variety of banana and TC Banana
6	Integrated Pest Management for Tomato and bhendi
7	Introduction of High density planting systems for fruit crops
8	Dry land fruit crops culture
9	Protray techniques for nursery vegetables
10	Popularization of regionally performing vegetable varieties
11	Integrated pest management in Amla
SOIL SCIENCE	
1.	Fertilizer recommdation through Dissifer application
2.	Promotion of Organic farming
3.	Problems soil management
4.	Land reclamation for productivity improvement
5.	Soil and water analysis and consultancy services for improvement of farm productivity
6.	Popularization of LCC among the Paddy farmers
7.	Yield maximization in Coconut through nutrient management
8.	Recycling of agricultural and other organic waste
HOME SCIENCE	
1.	Value addition of agricultural and animal products
2.	Drudgery reduction in agricultural operations
FISHERIES	
1.	Composite carp culture in available water source areas
2.	Introduction of poly culture of scampi and carps
3.	Popularization of fish pickle and other fish and fishery value added products preparation and marketing
4.	Popularization of scampi culture
5.	Popularization of murrel culture
6.	Ornamental Fish Culture

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
Agronomy & Soil Science							
2	2	20	20	7	7	76	76
Animal Science							
4	4	190	190	4	4	18 villages	18villages
Horticulture							
2	2	20	20	3	3	60	60
Fisheries							
--	--	--	--	2	2	8	8

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
Agronomy & Soil Science							
14	14	300	216	12	12	200	180
Animal Science							
25	25	425	450	14	14	210	230
Horticulture							
25	29	250	275	16	16	265	270
Fisheries							
25	23	2000	1374	8	5	150	123

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Agronomy & Soil Science			
Target	Achievement	Target	Achievement
Groundnut Seeds 13.5	10.00	Fodder and forage 10 (ha)	8 (ha)
Blackgram Seeds 4.00	3.25	**Fruits**	
Sesame Seeds 2.00	1.00	Amla-550	554
		Coconut-100	130
		Teak--200	204
		Vegetables	
		Moringa-200	211
		Protray seedling-1000	1726

Livestock, poultry strains and fingerlings (No.)			Bio-products (Kg)		
7			8		
Target		**Achievement**	**Target**		**Achievement**
Turkey	450	457	Mineral Mixture-150		182
Guinea fowl	25	15	Weaning food-5		5
Desi birds	3000	3261	Pickle-2		4
Poultry Feed	700	733	Masala products-3		5
Incubator			Soap powder-2		3
Desi bird Egg	600	608	Phenyl-10		20
Turkey Egg	500	524			
Guinea fowl Egg	50	45			
Duck Egg	25	40			
Geese Egg	21	25			
Ornamental Fish	100	25			

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
Agronomy & Soil Science														
1	Disease Management	Paddy	Incidence of blast and blight Disease	Integrated Disease management in Paddy	--	5	2	1	5	--	--	--	Neem Oil Pseudomonas Panchakavya	40 Ltr 20 Ltr 20 Ltr
2	Pest Management	Paddy	Stem borer and leaf folder manace	IPM in rice to control stem borer and leaf folder	--	4	1	1	5	--	--	--	Tricogramma cards Neem oil	200 Nos 45 Ltr
3	Varietal introduction in fodder crops	CO-4 fodder grass	Low milk yield in cattle due to low quality fodder	--	Introduction of CO-4 grass	2	1	1	10	--	40000 slips	--	--	--
4	Varietal introduction in Paddy	PMK – 4 paddy	Lack of varieties suited for drought management	--	Introduction of Anna (PMK -4) variety	2	1	1	10	450 kg	--	--	--	--

5	Introduction of hybrid Paddy	Paddy	Pest and disease problem	--	Introduction of CO-RH – 3 hybrid	2	1	1	10	35 Kg	--	--	--	--
6	Farm mechanizations	Blackgram	Labour and water scarcity	--	Popularization of mini portable sprinkler in pulses	2	1	1	10	2 Units	--	--	--	--
7	Integrated crop management	Blackgram	Low yield due to pest disease problem	--	Integrated crop management in VBN – 5 blackgram	3	2	1	12	300 Kg	--	--	--	--
8	Integrated crop management	Groundnut	Pest and disease problem and cultivation of low yielding varieties	--	Integrated crop management in groundnut	2	1	1	12	160 Kg	--	--	--	--
9	Integrated crop management	Sesame	Pest and disease problem and cultivation of low yielding varieties	--	ICM in sesame	1	1	1	12	416 Kg	--	--	--	--
Animal Husbandary														
1.	Popularization of mineral mixture supplementation in crossbred cattle	Cattle	Quantity and quality reduction of milk	Area specific mineral mixture for dairy cows	--	7	2	5	14	300 kg	-	-	-	-
2.	Popularization of Salt lick in cross bred calves	Calves	Poor growth performance	--	Introduction of salt lick	3	2	4	8	180 Kg	-	-	-	-
3.	Control of ecto and endo parasited in sheep & goat	Sheep & goat	Poor production	--	Control of liver fluke in sheep	5	4	2	9	40 Lit.	-	-	-	-
4.	Clinical intervention in post partum anestrous in cows	Cow	Poor reproduction	Management of post partum anestrous in cows	--	4	2	3	3	-	-	-	-	-
5.	Control of infertility in cows	Cow	Infertility	Management of infertility in cross bred cows	--	4	2	2	1	-	-	-	-	-
4.	Popularisation of Turkey, CARI Aseel and Cauvery birds	Turkey, CARI Aseel and Cauvery birds	Poor growth performance and Egg production	--	Popularization of CARI Aseel chicks	6	3	2	1	--	--	200	20	200 kg poultry feed
5.	Popularisation of Namakkal – 1 Desi birds	Namakkal – 1 Desi birds	Poor growth performance and Egg production	--	--	4	2	1	1	--	--	400	-	-

6.	Popularisation of Nandanam Guinea Fowl	Nandanam Guinea Fowl	Poor growth performance and Egg production	--	--	2	1	1	1	--	--	--	--	--
7.	Deworming in desibirds against endo parasites	Desi birds	Poor growth performance and economics loss	--	--	7	3	2	2	--	--	--	Albendazole	5 Lit.
8.	Spraying of chemicals for ecto parasites in desibirds	Desi birds	Economic loss and poor growth performance	--	--	6	3	2	1	--	--	--	Deltamithasone	2 Lit.
9.	Vaccination in desibirds	Desi Birds	Lack of awareness	--	--	7	4	2	1	--	--	--	Lasota F1 strain RDVK Vaccine	8000 doses 12000 Doses
10	Vaccination in Turkey	Turkey	Lack of awareness	--	--	5	3	1	1	--	--	--	Lasota F1 strain RDVK Vaccine	3000 doses 7000 Doses
11.	Popularization of Nandanam turkey and Japanese quail	Nandanam turkey and Japanese quail	Poor growth performance and production	--	--	5	3	2	1	--	--	300 Turkey	Turkey Feed	345 kg
Horticulture														
1.	Introduction of Hybrids for vegetables namely brinjal and chillies	Chilli,Brinjal and Bhendi	Low yield	Introduction of YVM Resistant Hybrids in Bhendi	Introduction Hybrids in Brinjal (CO Bh-1)	4	2	3	6	-	8 kg bhendi seeds and 22000 protray brinjal seedlings	-	-	-
2.	Popularization of grafted saplings in fruit crops such as mango, amla and cashew	Amla	Delayed bearing	-	-	2	4	2	3	-	-	-	-	-
3.	Introduction of Precision farming systems for vegetables	Chillies	Unaware of technology and low yield	Conventional fertilizers for Precision farming	-	4	2	3	5	-	25000 protray chilli seedlings	-	-	-
4.	Advocation of certification for organic produces in vegetable	Brinjal and Bhendi	Low price	-	-	3	4	2	3	-	-	-	-	-
5.	Advocation of Poovan variety of banana and TC Banana	Grand-9 Banana and poovan banana	Low yield	-	-	2	4	3	2	-	-	-	-	-

6.	Integrated Pest Management for Tomato ,Chilli and bhendi	Tomato ,Chilli and bhendi	Low yield	-	1.IPM in Chilli 2.Management of mites in chillies	6	3	2	8	-	25000 protray chilli seedlings	-	-	-
7.	Introduction of High density planting systems for fruit crops	Mango	Low yield and Unaware of technology	-	-	3	4	2	4	-	50 grafted mango seedlings	-	-	-
8.	Dry land fruit crops culture	Cashew	low yield	-	-	2	1	3	2	-	120 VRI-3 seedlings	-	-	-
9.	Protray techniques for nursery vegetables	Tomato,Chillies and Brinjal	Fied mortality on transplanted seedlings	-	-	1	3	2	1	-	50,000 Seedlings	-	-	-
10	Popularization of regionally performing vegetable varieties	Tomato,Chillies and Brinjal	low yield	-	-	2	3	2	1	-	25,000 Seedlings	-	-	-
11.	Integrated pest management in Amla	Amla	low yield	-	-	2	3	2	1	-	60 seedligs	-	-	-
Fisheries														
1	Composite carp culture in available water source areas	Carp Seeds	Culturing only 2 or 3 species of carps instead of 6 species in ponds	--	Carp farming in community ponds	109	68	--	5	10000	--	--	--	--
2	Fresh Water prawn farming	Prawn Seeds	No awareness in fresh water prawn farming	--	Fresh Water prawn farming	125	32	--	5	18000	--	--	--	--
3	Introduction of poly culture of scampi and carps	--	No awareness in poly culture of scampi and carps	--	--	28	--	--	--	--	--	--	--	--
4	Popularization of fish pickle and other fish and fishery value added products preparation and marketing	--	No awareness	--	--	68	106	--	--	--	--	--	--	--
5	Popularization of murrel culture	--	Lack of awareness in feed and disease management	--	--	39	22	--	--	--	--	--	--	--
6	Ornamental Fish Culture	--	Lack of awareness	--	--	101	29	--	--	--	--	--	--	--

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	Extension Programmes
1	2	3	4	5	6	7	8
Agronomy & Soil Science							
1.	Integrated Disease management in Paddy	TNAU, Coimbatore	Paddy	1	--	8	1
2	IPM in rice to control stem borer and leaf folder	TNAU, Coimbatore	Paddy	1	--	6	2
3	Introduction of CO-4 grass	TNAU, Coimbatore	Fodder grass	--	1	4	1
4	Introduction of Anna (PMK -4) variety	TNAU, Coimbatore	Paddy	--	1	4	2
5	Introduction of CO-RH – 3 hybrid	TNAU, Coimbatore	Co-RH- 3 paddy	--	1	4	1
6	Popularization of mini portable sprinkler in pulses	TNAU, Coimbatore	Blackgram	--	1	4	3
7	Integrated crop management in VBN – 5 blackgram	TNAU, Coimbatore	Blackgram	--	1	6	2
8	Integrated crop management in groundnut	TNAU, Coimbatore	Groundnut	--	1	4	1
9	ICM in sesame	TNAU, Coimbatore	Sesame	--	1	3	--
Animal Husbandary							
1.	Popularization of mineral mixture supplementation in crossbred cattle	TANUVAS, Chennai	Cattle	1	--	7	4
2.	Popularization of Salt lick in cross bred calves	TANUVAS, Chennai	Calves	-	1	3	2
3.	Control of ecto and endo parasited in sheep & goat	TANUVAS, Chennai	Sheep and goat	-	1	5	4
4.	Control of Ranikhet disease in desi birds	TANUVAS, Chennai	Desi Birds	1	--	4	2
5.	Demonstration of debeaking for prevention of cannibalism	TANUVAS, Chennai	Desi Birds	--	1	3	3
6.	Popularization of CARI Aseel cross bred chicks	ICAR, Bangalore	CARI Aseel cross bred chicks	--	1	3	3
Horticulture							
1.	Introduction of YVM Resistant Hybrids in Bhendi	TNAU, Coimbatore	Bhendi	1	1	6	3
2.	Conventional fertilizers for Precision farming	TNAU, Coimbatore	chillies	1	1	5	4
3.	Introduction Hybrids in Brinjal (CO Bh-1)	TNAU, Coimbatore	Brinjal	-	1	7	3
4.	IPM in Chilli	TNAU, Coimbatore	chillies	-	-	5	3
5.	Management of mites in chillies	TNAU, Coimbatore	chillies	-	-	6	3
Fisheries							
1	Composite carp culture in available water source areas	CIFT, Barrackpore TANUVAS ,Chennai	Carp	--	1	8	2
2	Fresh Water prawn farming	CIFT, Barrackpore TANUVAS ,Chennai	Scampi	--	1	11	1
3	Introduction of poly culture of scampi and carps	CIFT, Barrackpore	Scampi and carps	--	--	2	2

4	Popularization of fish pickle and other fish and fishery value added products preparation and marketing	TANUVAS ,Chennai	Low cost fishes	--	--	3	2
5	Popularization of murrel culture	CIFT, Barrackpore	Murrel	--	--	2	1
6	Ornamental Fish Culture	TANUVAS ,Chennai	Ornamental Fish	--	--	7	3

3.B2 contd..

No. of farmers covered															
OFT				**FLD**				**Training**				**Extension programme**			
General		**SC/ST**		**General**		**SC/ST**		**General**		**SC/ST**		**General**		**SC/ST**	
M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Agronomy & Soil Science															
6	6	4	4	22	17	23	14	64	11	98	43	85	45	34	16
Animal Husbandary															
26	**3**	**2**	**1**	**126**	**121**	**166**	**98**	**217**	**61**	**135**	**37**	102	35	65	28
Horticulture															
11	5	3	1	36	11	8	5	149	87	25	14	165	74	22	9
Fisheries															
--	--	--	--	6	1	1	-	647	527	156	44	68	32	11	12

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	-	-	-	-	1	-	-	-	-	1
Varietal Evaluation										
Integrated Pest Management	1									1
Integrated Disease Management	1				1					2
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	**2**				**2**					**4**

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

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

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

Thematic areas	Cattle / Sheep / Goat	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds	--	--	--	--	--	--
Nutrition Management	1	--	--	--	--	1
Disease of Management	-	1				1
Value Addition	--	--	--	--	--	--
Production and Management	2	--	--	--	--	2
Feed and Fodder	--	--	--	--	--	--
Small Scale income generating enterprises	--	--	--	--	--	--
TOTAL	3	1	--	--	--	4

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

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

4.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	Chillies	Conventional fertilizers in precision farming	10	10	3.0
	-	-	-	-	-
Varietal Evaluation	-	-	-	-	-
	-	-	-	-	-
Integrated Pest Management	Paddy	Integrated Disease Management in Paddy	5	5	1.0
	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-
	-	-	-	-	-
Integrated Disease Management	Paddy	Integrated Pest Management in Rice to control stem borer and leaf folder	5	5	1.0
	Bhendi	Integrated Diseases Management in Bhendi	10	10	3.0
Small Scale Income Generation Enterprises	-	-	-	-	-
	-	-	-	-	-
Weed Management	-	-	-	-	-
	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-
	-	-	-	-	-
Farm Machineries	-	-	-	-	-
	-	-	-	-	-
Integrated Farming System	-	-	-	-	-
	-	-	-	-	-
Seed / Plant production	-	-	-	-	-
	-	-	-	-	-
Value addition	-	-	-	-	-
	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-
	-	-	-	-	-
Storage Technique	-	-	-	-	-
	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-
	-	-	-	-	-
Total			**30**	**30**	**8.0**

4.B.2. Technologies Refined under various Crops - NIL

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

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

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds	-	-	-	-
Nutrition management	Cattle	Productive Performance	20	4 Villages
Disease management	Poultry, Cattle and Sheep	Health control	15	4 Villages
Value addition				
Production and management	Cattle , Sheep and Goat	Productive Performance	15	3 Villages
Feed and fodder	-	-	-	-
Small scale income generating enterprises	-	-	-	-
Total			**55**	**11 Villages**

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

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

4.C1. Results of Technologies Assessed

Results of On Farm Trial

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Agronomy & Soil Science											
Paddy	Rainfed	Blast and blight incidence	Integrated disease management in Paddy	5	Neem Oil + 1 % Pseudomonas + 3 % TNAU Panchakavya	Disease incidence and yield parameters		Total control of the foliar diseases	Farmers are convinced about the technology	--	--
Paddy	Rainfed	Stem borer and leaf folder manace	Integrated pest management in rice to control stem borer and leaf folder	5	T.japonicum + T.chilonis + 2 % neem oil	Pest incidence and yield parameters		Incidence of the stem borer and leaf folders in the crop is insignificant	Satisfied	--	--

Animal Husbandry											
Dairy cows	--	Poor production and reproduction	Management of Infertility in cross bred cows	5	Deworming + TANUVAS Mineral Mixture + Tonophosphin injection Deworming + TANUVAS Mineral Mixture + Estrus synchronization	Incidence of estrus, Intensity of Estrus and conception rate	--	Enhanced incidence and intensity of estrus Conception rate is more	Farmers are Satisfied	--	--
Dairy cows	--	Poor conception and calving	Management of post partum anestrous in cows	5	Deworming + TANUVAS Mineral Mixture Deworming + Area specific mineral mixture + Vitamin A injection	Incidence and intensity of estrous Conception rate	--	Enhanced intensity and incidence of estrus in anestrous cows Increased conception rate	Farmers are Satisfied	--	--
Dairy cows	--	Qualitative and quantitative reduction in milk production	Area specific mineral mixture	10	TANUVAS mineral mixture Area specific mineral mixture	Milk production and milk quality	--	Milk production and milk quality increased	Farmers are Satisfied	--	--
Poultry	Extensive system of rearing	Morbidity and Mortality due to disease	Control of Ranikhet disease	5	RDVK RDVF-1Losota Oral pellet vaccine	Mortality ,T itre value	-	Increased body weight and no disease out break	Farmers are Satisfied	-	-
Horticulture											
Bhendi	Irrigated	Yellow Vein Mosaic Diseases, Low Yield	Introduction of YVM Resistant Hybrids in Bhendi	10	TI-ParbaniKranti T2-Avantika T2-CO(Bh)-1	Plant Height, Diseases incidence Yield		CO(Bh-)-1 recorded the maximum yield of 254.55 q/hec.	CO(Bh)-1 was convincingly accepted for cultivation	-	-
Chillies	Irrigated	High Cost	Conventional fertilizers for Precision farming	10	T1-100% WSF T2-50%WSF+50%CF T3-75%CF+25%WSF	Plant Height, Yield		T2 is the best	Satisfied	-	-

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
Paddy-1					
Technology option 1 (Farmer's practice)	--	39.5	Q/Ha	31000	2.2
Technology option 2	TNAU	52.5	Q/Ha	33800	2.4
Technology option 3	TNAU	62.00	Q/Ha	45300	2.7
Paddy-2					
Technology option 1 (Farmer's practice)	--	41.6	Q/Ha	25000	1.2
Technology option 2	TNAU	48.5	Q/Ha	28300	1.5
Technology option 3	TNAU	52.0	Q/Ha	36560	1.8
Animal Science Dairy cows-1					
Technology option 1 (Farmer's practice)	TANUVAS	Conception rate -32 %	%	Deworming + TANUVAS Mineral Mixture + Estrus synchronization is found to be effective	
Technology option 2		Conception rate -75 %	%		
Technology option 3		Conception rate -78 %	%		
Dairy cows-2					
Technology option 1 (Farmer's practice)	TANUVAS	Conception rate -41 %	%	Deworming + Area specific mineral mixture + Vitamin A injection is found to be effective	
Technology option 2		Conception rate -74 %	%		
Technology option 3		Conception rate -76 %	%		
Dairy cows-3					
Technology option 1 (Farmer's practice)	TANUVAS	6	Lit	Rs.160/cow	1.6
Technology option 2		8	Lit	Rs.220/cow	2.4
Technology option 3		15	Lit	Rs.300/cow	2.9
Poultry					
Technology option 1 (Farmer's practice)	TANUVAS	Mortality rate-10%	%	Oral pellet vaccine is found to be effective	
Technology option 2	TANUVAS	Mortality rate-5%	%		
Technology option 3	TANUVAS	Mortality rate-2%	%		
Bhendi					
Technology option 1 (Farmer's practice)	--	202.50	Q/Ha	38000	1.6
Technology option 2	TNAU	235.50	Q/Ha	67000	2.8
Technology option 3	TNAU	254.55	Q/Ha	77275	3.2
Chillies					
Technology option 1 (Farmer's	--	130.05	Q/Ha	55000	1.5

practice)					
Technology option 2	TNAU	175.50	Q/Ha	96200	2.9
Technology option 3	TNAU	158.45	Q/Ha	79800	2.2

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

Agronomy and Soil Science – 1

1 Title of Technology Assessed : Integrated disease management in Paddy
2 Problem Definition : Blast and blight incidence
3 Details of technologies selected for assessment :

Technology Assessed	Technology
Technology option 1 (Farmer's practice)	Application of Ediphenphos
Technology option 2	3% Neem Oil
Technology option 3	3% Neem Oil + 1 % Pseudomonas + 3 % Panchakavya

4 Source of technology : TNAU
5 Production system and thematic area : Rain fed and Disease Management
6 Performance of the Technology with performance indicators : Increase in level of production and productivity, increase in number of productive tillers
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Farmers are convinced about the technology

8 Final recommendation for micro level situation : Recommended for rain fed paddy and irrigated Paddy
9 Constraints identified and feedback for research : Nil
10 Process of farmers participation and their reaction : Farmers actively participated in foliar application of the disease controlling agencies

Agronomy & Soil Science - 2

1 Title of Technology Assessed : IPM in rice to control stem borer and leaf folder
2 Problem Definition : Stem borer and leaf folder menace
3 Details of technologies selected for assessment :

Technology Assessed	Technology
Technology option 1 (Farmer's practice)	Application of endosulphon
Technology option 2	T.japonicum + T.chilonis
Technology option 3	T.japonicum + T.chilonis + 2 % neem oil

4 Source of technology : TNAU
5 Production system and thematic area : Rain fed and Pest Management
6 Performance of the Technology with performance indicators : Increase in level of production and productivity, increase in number of productive tillers
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Farmers are convinced about the technology

8 Final recommendation for micro level situation : Recommended for rice crop in any farming situation
9 Constraints identified and feedback for research : Nil
10 Process of farmers participation and their reaction : Farmers shown interest in tying of egg cards in Paddy fields

Animal Science – 1

1 Title of Technology Assessed : Management of Infertility in cross bred cows
2 Problem Definition : Poor production and reproduction
3 Details of technologies selected for assessment :

Technology Assessed	Technology
Technology option 1 (Farmer's practice)	Farmer's practice)
Technology option 2	Deworming + TANUVAS Mineral Mixture +Tonophosphin injection
Technology option 3	Deworming + TANUVAS Mineral Mixture + Estrus synchronization

4 Source of technology : TANUVAS
5 Production system and thematic area : Production and Reproduction
6 Performance of the Technology with performance indicators : Enhanced incidence and intensity of estrus and Conception rate

7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Farmers are convinced about the technology

8 Final recommendation for micro level situation : Recommended for dairy farmers in all situations
9 Constraints identified and feedback for research : Nil
10 Process of farmers participation and their reaction : Farmers are actively involved and responded for the adopted practice

Animal Science – 2

1 Title of Technology Assessed : Management of post partum anestrous in cows
2 Problem Definition : Poor conception and calving
3 Details of technologies selected for assessment :

Technology Assessed	Technology
Technology option 1 (Farmer's practice)	Farmer's practice)
Technology option 2	Deworming + TANUVAS Mineral Mixture
Technology option 3	Deworming + Area specific Mineral Mixture + Vitamin A injection

4 Source of technology : TANUVAS
5 Production system and thematic area : Health and Reproduction
6 Performance of the Technology with performance indicators : Enhanced intensity and incidence of estrus in anestrous cows and Increased conception rate

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

techniques : Farmers are convinced about the technology

8 Final recommendation for micro level situation : Recommended for dairy farmers
9 Constraints identified and feedback for research : Nil
10 Process of farmers participation and their reaction : Farmers are actively involved and responded for the adopted practice

Animal Science – 3

1 Title of Technology Assessed : Area specific mineral mixture
2 Problem Definition : Qualitative and quantitative reduction in milk production
3 Details of technologies selected for assessment :

Technology Assessed	Technology
Technology option 1 (Farmer's practice)	Farmer's practice)
Technology option 2	TANUVAS Mineral Mixture
Technology option 3	Area specific Mineral Mixture

4 Source of technology : TANUVAS
5 Production system and thematic area : Production
6 Performance of the Technology with performance indicators : Milk production and milk quality increased

7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Farmers are convinced about the technology

8 Final recommendation for micro level situation : Recommended for dairy farmers
9 Constraints identified and feedback for research : Nil
10 Process of farmers participation and their reaction : Farmers are actively involved and responded for the adopted practice

Horticulture-1

1. Title of the On Farm Trial : Introduction of YVM Resistant Hybrids in Bhendi
2. Production System : Irrigated
3. Problem identified : Low yield due to YMV
4 Source of technology : TNAU
4a. Details of technologies selected for assessment

Technology Assessed	Technology
Technology option 1 (Farmer's practice)	Arka Anamika
Technology option 2	Avantika-288
Technology option 3	CO-Bh-1

5 Production system and thematic area : Irrigated
6 Performance of the Technology with performance indicators : 25 percent Reduction in diseases incidence and production of more productive branches
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Convincing practice to the farmers level
8 Final recommendation for micro level situation : Recommended for practice during summer
9 Constraints identified and feedback for research : Nil
10 Process of farmers participation and their reaction: Farmers relay upon this CO(Bh)-1 Hybrid

Horticulture-2

1. Title of the On Farm Trial : Introduction of Conventional fertilizers in precision farming
2. Production System : Irrigated
3. Problem identified : High cost for Water Soluble Fertilizers
4 Source of technology : TNAU
4a. Details of technologies selected for assessment

Technology Assessed	Technology
Technology option 1 (Farmer's practice)	100 % Water Soluble Fertilizers
Technology option 2	50% Water Soluble Fertilizers +50% Conventional Fertilizers
Technology option 3	75% Water Soluble Fertilizers +25% Conventional Fertilizers

5 Production system and thematic area : Irrigated and alternate practice
6 Performance of the Technology with performance indicators : 50 percent Reduction in usage of WSF with more yield
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : Convincing practice to the farmers level since the price of WSF are high.
8 Final recommendation for micro level situation : Recommended for practice in Precision farming areas
9 Constraints identified and feedback for research : Nil
10 Process of farmers participation and their reaction: Successful farmers about to bring other farmers also in the pipe line.

4.D1. Results of Technologies Refined : NIL

Results of On Farm Trial

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

Contd..

Technology Refined	Source of Technology for Technology Option1 / Justification for modification of	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio

	assessed Technology Option 1				
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		
									Proposed	Actual	SC/ST	Others	Total
	Oilseeds	Rain fed	2010	Groundnut,	TMV – 7,		Varietal Introduction	ICM	5	5	8	2	10
		Rain fed	2010	Sesame	SVPR -1	-	Varietal Introduction	ICM	5	5	12	10	22
						-							
	Pulses	Rain fed	2011	Blackgram	VBN – 5	-	Varietal Introduction	ICM	5	5	3	8	11
		Irrigated	2011	Blackgram	VBN – 5	-	Introduction of implements	Mini portable sprinkler usage in blackgram	5	5	2	2	4

						-							
	Cereals	Rain Fed	2011	Paddy	PMK - 4	-	Varietal Introduction	Crop Management	5	5	5	8	13
	Cereals	Rain Fed	2011	Paddy	CORH - 3	Hybrid introduction	Popularization of Hybrid	Crop establishment and management	5	5	2	6	8
	Vegetables	Irrigated	Rabi/Summer 2011	Chilli	KKM-1	-	IDM	IDM	3	3	2	8	10
	Vegetables	Irrigated	Rabi/Summer 2011	Brinjal	-	CO(Bh)-1	Varietal Introduction	Hybrid introduction	4	4	1	9	10
	Vegetables	Irrigated	Rabi/Summer 2011	Chilli	-	KKM-1	IPM	Fenprothrin+Magister Dicofol+Magister	5	5	3	7	10
	Fodder	Irrigated	2011	CO- 4 grass		Cumbu X Napier hybrid	Introduction and popularization	Planting methods and feed value in cattle's	1.0	1.0	10	1	11
		-	-	-	-	-	-	-	-	-	-	-	-
	Plantation	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Fibre												
	Dairy	--	2010	Dairy	Cross bred cows	--	Introduction of salt lick	Growth performance	4 Villages	4 Villages	167	138	305
		-	-	-	-	-	-	-	-	-	-	-	-
	Poultry	-	2010	Poultry	Poultry	CARI Aseel	Popularization of CARI Aseel cross bred chicks	Popularization	2 Villages	2 Villages	5	15	20
	Poultry	-	2010	Poultry	Poultry	Desi birds	Demonstration of debeaking for prevention of cannibalism	Demonstration of debeaking	2 Villages	2 Villages	4	16	20
	Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Pigerry	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Sheep and goat	--	2010	Sheep	Sheep	--	Deworming with Oxyclozanide	Parasitic control and growth performance	4 Villages	4 Villages	139	67	206
		-	-	-	-	-	-	-	-	-	-	-	-
	Duckery	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Common carps	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Mussels	-	-	-	-	-	-	-	-	-	-	-	-

		-	-	-	-	-	-	-	-	-	-	-	-
	Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Sericulture	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Apiculture	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Implements	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Others (Fisheries)	Borewell Irrigated	2010 - 2011	Fishes	Indian and Chinese major carps	--	Popularization of composite carp culture	Composite carp culture	1.0	1.0	1	5	6
		Borewell Irrigated	2010 - 2011	Fishes	Scampi	--	Introduction of scampi culture	Scampi culture	0.6	0.6	-	3	3

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

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
	Oilseeds	Rainfed	Kharif 2011	Groundnut	TMV - 7		Varietal Introduction	ICM	2010	98	10	120	Paddy
		Rainfed	Rabi 2011	Sesame	SVPR – 1		Varietal Introduction	ICM	Rabi 2011	110	8.0	165	Paddy
	Pulses	Rain fed	Rabi 2011	Blackgram	VBN – 5		Varietal Introduction	ICM	Rabi 2011	95	8.5	110	--
		Irrigated	Rabi 2011	Blackgram	VBN – 5		Introduction of implements	Mini portable sprinkler usage in blackgram	Rabi 2011	96	7.0	142	Paddy

	Cereals	Rain Fed	Summer 2011	Paddy	PMK - 4		Varietal Introduction	Crop Management	Summer 2011	125	3.5	168	--
		Rain Fed	Rabi 2011	Paddy	CORH - 3	Hybrid introduction	Popularization of Hybrid	Crop establishment and management	Rabi 2011	110	6.5	160	Paddy
	Millets	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Vegetables	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Flowers	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Ornamental	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Fruit	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Commercial	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-
		-	-	-	-	-	-	-	-	-	-	-	-
	Fodder	Irrigated	Rabi 2011	CO- 4 grass		Cumbu X Napier hybrid	Introduction and popularization	Planting methods and feed value in cattle's	Rabi 2011	106	7.2	164	CO- 3 grass
		-	-	-	-	-	-	-	-	-	-	-	-
	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																			
Groundnut	ICM	TMV – 7	--	Rainfed	10	5	45.5	31.2	36.5	28.5	21.9	2467	9155	6688	3.71	2257	6255	3998	2.77
Sesame	ICM	SVPR -1	--	Irrigated	10	5	9.87	6.25	4.9	8.00	37.0	1300	3900	2600	2.9	1750	4100	2350	1.66
Pulses																			
Blackgram	ICM	VBN -5	--	Rainfed	12	5	6.5	4.0	4.0	5.0	20.0	8000	20000	12000	2.5	6000	13000	7000	2.1

Blackgram	Mini portable sprinkler usage in blackgram	VBN -5	--	Irrigated	10	5	7.3	3.5	5.0	6.2	19.35	9000	22000	13000	2.4	5500	12600	7100	2.0
Cereals																			
Paddy	Crop Management	PMK – 4	--	Rainfed	10	5	37.0	24.0	29.5	31.25	22.9	24400	56000	31600	2.3	21000	47000	26000	2.0
Paddy	Crop establishment and management	--	CORH – 3	Rainfed	10	5	64.0	32.0	37.0	44.0	15.9	22000	60000	38000	2.72	23000	48000	27500	2.3
Vegetables	IDM in Chillies	KKM-1	-	Irrigated	10	3	265.50	210.40	233.45	201.20	16.02	115600	31000	84600	2.72	100750	40000	60750	1.51
	Hybrid introduction in Brinjal	-	CO (Bh)-1	Irrigated	10	4	325.40	280.50	302.95	251.50	20.45	162700	38500	124200	3.23	134000	41000	93000	2.25
	Management of Mites in Chillies	-	KKM-1	Irrigated	10	5	256.5	221.2	238.85	210.50	21.04	128250	31000	97250	3.13	105250	40000	65250	1.63
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flowers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder	Introduction of new variety		Co4	Irrigated	10	1	1400	850	1200	1050	23.5	12000	22000	10000	1.8	11500	19000	7500	1.6
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plantation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

** BCR= GROSS RETURN/GROSS COST

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**
ICM in Groundnut - 100 seed weight	42 Gm	**38 Gm**
ICM in Blackgram	35 cm	25 cm
Mini portable sprinkler usage in blackgram	38 cm	22 cm
SRI CORH – 3 – Introduction – 1000 grain weight	21	18

PMK – 4 variety introduction	19	17
Horticulture		
IDM in Chillies - Per cent Disease incidence Per cent Disease free fruits No.Of fruits affected per plant Yield per hec	 Less than 2% 5% Less than 2 231.20	 20% 10 More than 10 201.5
Management of Mites in Chillies – No of leaves affected per plant Percent leaf affected Yield per hec	 12 Less than 2 226.30	 35 More than 10 210.5

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	Introduction of salt lick in cross bred cows	Cattle	20	4 Villages	150 gm	100 gm	125 gm	80 gm	36	56	50	250	200	1:4	50	150	100
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry	Popularization of CARI Aseel cross bred chicks	Poultry	20	2 Villages	100 gms	50 gms	75 gms	55 gms	36	110	230	120	1:2	110	180	70	1:1.6
	Demonstration of debeaking for prevention of cannibalism	Poultry	20	2 Villages	6%	2%	4%	20%	--	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pigerry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat	Control of liver fluke in Sheep	Sheep	20	4 Villages	300 gm	210 gm	255 gm	160 gm	37	59	25	75	50	1:2	25	50	25
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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

5.B.3. Fisheries

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	Units/ Area (m^2)	Yield (q/ha)				% Increase	*Economics of demonstration Rs./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										
Carps	Composite Carp culture	Indian and Chinese major	6	10000	7.82 q/ 0.1 ha	4.09 q/ 0.1 ha	6.515 q / 0.1 ha	5.54 q / 0.1 ha	14.96	20000	52120	32120	2.606	20000	44320	24320	1.82
Scampi	Scampi culture	Machrobrachium rosenbergii	3	6000	1.408 q/ 0.1 ha	0.392 q/ 0.1 ha	1.156 q / 0.1 ha	Newly introduced in Sivagangai District	NA	41300	56890	15590	1.377	--	--	--	--
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

5.B.5. Farm implements and machinery - - NIL

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

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

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

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

5.B.6. Cotton

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

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

5.B.6.2 Production technology demonstrations

Performance of demonstrations

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

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

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 - NIL

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

5.B.6.5 Extension Programmes organized in Cotton Demonstration Plots - NIL

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

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

S. No	Crop / Enterprise	Name of the technology demonstrated	Feed Back
1	Azolla	Azolla Multiplication Techniques	Farmers who fed azolla to the cow got additional milk yield (650 ml / half kg)

2	Chillies	IDM in Chillies	Percent age of Mites and anthracnose incidence was noticed to the level of less than 2 pencent as compared to the local check was more than 10 percent. This would contribute to increase in yield of 231.2 and 226.30 q/hec.The farmers were happy to receive this technology as it was easy to follow and to adopt even for more than 5 hectares.
3.	Chillies	Management of Mites in Chillies	
4.	Brinjal	Hybrid introduction in Brinjal	The hybrid CO(Bh)-1 was as good as the buldozar of mahyco hybrid,which is in practice among precision farmers.which suits local conditions with an affordable yield of 305.60 q/hec.with good potential for long distance transport.

5.B.6.7 Farmers' reactions on specific technologies

S. No	Crop / Enterprise	Name of the technology demonstrated	Feed Back
1	Azolla	Azolla Multiplication Techniques	5 farmers started mini Azolla multiplication unit in their farm
2.	Chillies	IDM in Chillies	Three FLD on other than oil seeds and pulses on Brinjal and Chilli were implemented during the season Rabi/summer 20010-11 . The plant protection chemicals such as magister, dicofol and Indofil M-45 supplied for the management of mites, and anthracnose in chillies gave good results in reducing the pests and disease load. These effects resulted in boosting the yield to 231.20 and 226.30 q/hec.respectively over the local check of 201.50 and 210.50q/hec..For brinjal the hybrid seeds as Critical inputs were supplied to the farmers. The germination of seeds was up to 100 percent. The hybrid cultivation techniques *viz.*, spacing, right quantity of NPK, *Azospirillum* and phospobacteria were provided to the farmer. The farmers were very happy to receive the hybrid Brinjal seeds for demonstration. The suggested package of practices for these vegetable crops gave them full satisfaction.
3.	Chillies	Management of Mites in Chillies	
4.	Brinjal	Hybrid introduction in Brinjal	

5.B.6.8 Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Number of participants
1	Field days	24	
2	Farmers Training	10	222
3	Media coverage	1	8
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Paddy	SRI technology in paddy hybrid	CO RH-3	10	5	64	32	44	37	15.9	22000	60000	38000	2.72	23000	48000	27500	2.3

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brinjal	Hybrid introduction in Brinjal	CO (Bh)-1	10	4	325.40	280.50	268.20	305.60		162700	38500	124200	3.23	134000	41000	93000	2.25
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sugarcane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coconut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize (Fodder)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorghum (Fodder)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			20	9														

H-High L-Low, A-Average
*Please ensure that the name of the hybrid is correct pertaining to the crop specified

PART VII. TRAINING

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	2	30	8	38	6	12	18	36	20	56
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	3	63	13	76	15	8	23	78	21	279
Micro Irrigation/Irrigation	1	12	3	15	-	-	-	12	3	48
Seed production	1	10	40	50	-	-	-	10	40	50
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	5	59	45	104	-	-	-	59	45	104
Soil and Water Conservation	1	15	28	43	4	5	9	19	33	52
Integrated Nutrient Management	1	22	4	26	-	-	-	22	4	26
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Horticulture	-	-	-	-	-	-	-	-	-	-
a) Vegetable Crops	-	-	-	-	-	-	-	-	-	-
Production of low value and high volume crop	3	152	78	230	42	13	55	194	91	285
Off-season vegetables	4	215	69	284	32	24	56	247	93	340
Nursery raising	3	148	82	230	15	15	30	163	97	260

Exotic vegetables	4	143	18	161	19	13	32	162	31	193
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
b) Fruits	-	-	-	-	-	-	-	-	-	-
Training and Pruning	3	82	65	147	18	4	22	100	69	169
Layout and Management of Orchards	2	28	11	39	16	9	25	44	20	64
Cultivation of Fruit	8	208	109	317	29	19	48	237	128	365
Management of young plants/orchards	2	49	33	82	16	8	24	65	41	106
Rejuvenation of old orchards	7	368	159	527	19	21	40	387	180	567
Export potential fruits	3	45	16	61	19	16	35	64	32	96
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Nursery Management	3	82	19	101	10	6	16	92	25	117
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	2	29	17	46	23	20	43	52	37	89
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-

Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-
Nursery management	1	22	11	33	10	6	16	32	17	49
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-
Soil fertility management	1	15	28	43	4	5	9	19	33	52
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	1	22	4	26	-	-	-	22	4	26
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	1	30	-	30	-	-	-	30	-	30
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	12	132	36	168	30	26	56	162	62	224
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
Dairy Management	9	219	34	253	18	24	42	237	58	295
Poultry Management	11	137	41	178	11	8	19	148	49	197
Sheep and Goat Management	8	54	5	59	32	8	40	86	13	99
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	2	17	-	17	6	4	10	23	4	27
Animal Disease Management	2	22	8	30	7	9	16	29	17	46
Feed and Fodder technology	2	42	18	60	12	8	20	54	26	80
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment	-	-	-	-	-	-	-	-	-	-

Household food security by kitchen gardening and nutrition gardening	3	5	18	23	2	13	15	7	31	38
Minimization of nutrient loss in processing	7	9	33	42	2	16	18	11	49	60
Processing and cooking	6	14	44	58	12	44	56	26	88	114
Gender mainstreaming through SHGs	11	-	112	112	-	22	22	-	134	134
Storage loss minimization techniques	4	22	35	57	16	43	59	38	78	116
Value addition	8	26	83	109	10	26	36	36	109	145
Women empowerment	3	-	22	22	-	46	46	-	68	68
Location specific drudgery production	4	19	30	49	21	55	76	40	85	125
Rural Crafts	2	3	14	17	1	15	16	4	29	33
Women and child care	2	4	15	19	2	13	15	6	28	34
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering	-	-	-	-	-	-	-	-	-	-
Farm machinery and its maintenance	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Plant Protection	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	4	71	40	111	5	9	14	76	49	125
Integrated Disease Management	7	65	42	107	32	15	47	97	57	154
Bio-control of pests and diseases	4	25	13	38	17	21	38	42	34	76
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Integrated fish farming	3	26	4	30	16	2	18	42	6	48
Carp breeding and hatchery management	--	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	--	-	-	-	-	-	-	-	-	-
Composite fish culture	5	34	12	46	11	4	15	45	16	61

Hatchery management and culture of freshwater prawn	3	38	7	45	14	2	16	52	9	61
Breeding and culture of ornamental fishes	4	11	34	45	13	8	21	24	42	66
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	3	8	78	86	-	14	14	8	92	100
Murrel Culture	2	28	5	33	12	2	14	40	7	47
Production of Inputs at site										
Seed Production	3	17	34	51	12	4	16	29	28	57
Planting material production	2	25	2	27	11	8	19	36	10	46
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-

Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	2	23	10	33	8	5	13	31	15	46
Nursery management	2	15	10	25	10	2	12	25	12	37
Integrated Farming Systems	8	43	54	97	3	7	10	197	161	358
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**210**	**3003**	**1753**	**4756**	**643**	**687**	**1330**	**3646**	**2440**	**6086**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Weed Management	2	13	21	34	12	35	47	80	102	182
Resource Conservation Technologies	1	18	40	58	-	-	-	18	40	58
Cropping Systems	-	-	-	0	-	-	0	0	0	0
Crop Diversification	5	25	11	36	32	21	53	104	100	204
Integrated Farming	4	25	11	36	18	10	28	90	75	165
Micro Irrigation/Irrigation	5	10	25	35	23	10	33	93	93	186
Seed production	8	22	19	41	24	31	55	106	115	221
Nursery management	-	-	-	0	-	-	0	0	0	0
Integrated Crop Management	2	10	7	17	2	7	9	36	33	69
Soil and Water Conservation	1	15	28	43	4	5	9	19	33	52
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Horticulture	-	-	-	-	-	-	-	-	-	-
a) Vegetable Crops	-	-	-	-	-	-	-	-	-	-
Production of low value and high volume crop	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	5	102	52	154	16	18	34	118	70	188
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
b) Fruits	-	-	-	-	-	-	-	-	-	-
Training and Pruning	3	124	112	236	15	7	22	139	119	258
Layout and Management of Orchards	2	18	15	33	6	8	14	24	23	47

Cultivation of Fruit	4	65	27	92	12	8	20	77	35	112
Management of young plants/orchards	3	246	145	391	23	18	41	269	163	432
Rejuvenation of old orchards	2	47	24	71	18	4	22	65	28	93
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Nursery Management	3	62	21	83	15	3	18	77	24	101
Management of potted plants	2	54	24	78	7	45	52	61	69	130
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	1	35	13	48	19	14	33	54	27	81
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-

Soil Health and Fertility Management										
Soil fertility management	1	18	2	20	12	3	15	20	15	35
Integrated water management										
Integrated nutrient management	1	4	-	4	-	-	-	4	-	4
Production and use of organic inputs										
Management of Problematic soils	1	6	27	33	30	13	43	33	43	76
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
Dairy Management	3	47	21	68	7	6	13	54	27	81
Poultry Management	7	61	42	103	33	22	55	94	64	158
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	2	122	5	127	20	2	22	142	7	149
Animal Disease Management	3	42	24	66	11	08	19	53	32	85
Feed and Fodder technology	2	39	13	52	36	10	46	75	23	98
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment	-	-	-	-	-	-	-	-	-	-
Household food security by kitchen gardening and nutrition gardening	3	11	36	47	5	29	34	16	65	81
Design and development of low/minimum cost diet	4	16	45	61	10	43	53	26	88	114
Designing and development for high nutrient efficiency diet	5	19	38	57	14	53	67	31	53	84
Minimization of nutrient loss in processing	6	14	44	58	12	44	56	26	88	114
Processing and cooking	6	9	39	48	16	43	59	25	82	107
Gender mainstreaming through SHGs	11	-	150	150	-	30	30	-	180	180
Storage loss minimization techniques	7	21	65	86	6	21	27	27	86	113
Value addition	8	14	47	61	11	36	47	25	83	108

Women empowerment	6	-	26	26	-	18	18	-	44	44
Location specific drudgery production	3	-	36	36	-	28	28	-	64	64
Rural Crafts	1	4	8	12	2	11	13	6	19	25
Women and child care	3	-	36	36	-	28	28	-	64	64
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering	-	-	-	-	-	-	-	-	-	-
Farm machinery and its maintenance	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Plant Protection	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	8	24	35	59	15	32	47	39	67	106
Integrated Disease Management	7	25	15	40	20	25	45	45	40	85
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Fisheries	-	-	-	-	-	-	-	-	-	-
Integrated fish farming	1	12	2	14	--	3	3	12	5	17
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	2	332	277	609	72	17	89	404	294	698
Hatchery management and culture of freshwater prawn	1	28	23	51	4	9	13	32	32	64
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-

Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	1	-	124	124	--	52	52	--	176	176
Murrel Culture	1	28	--	28	8	--	8	36	--	36
Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	2	10	15	25	-	-	-	10	15	25
Nursery management	2	12	10	22	-	-	-	12	10	22
Integrated Farming Systems	2	10	20	30	8	-	8	18	20	38
TOTAL	**163**	**1819**	**1820**	**3639**	**598**	**830**	**1428**	**2695**	**2935**	**5630**

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	5	158	29	187	14	24	38	172	53	225
Training and pruning of orchards	1	25	14	39	14	13	27	39	27	66
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	2	27	18	45	-	-	-	27	18	45
Integrated farming										
Seed production	2	10	21	31	-	-	-	10	21	31
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	2	54	20	74	13	7	20	67	27	94
Mushroom Production	6	32	30	62	12	10	22	44	40	84
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	2	-	89	89	-	10	10	-	99	99
Small scale processing	5	17	36	53	7	19	26	24	55	79
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	2	22	09	31	3	2	5	25	11	36
Sheep and goat rearing	1	15	12	27	3	4	7	18	16	34
Quail farming	3	14	25	39	5	7	12	19	32	51
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	2	16	34	50	6	11	17	22	45	67
Ornamental fisheries	1	2	22	24	1	7	8	3	29	31

Composite fish culture	1	24	2	26	4	1	5	28	3	31
Freshwater prawn culture	1	18	--	18	4	--	4	22	--	22
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Murrel Culture	1	17	8	25	2	--	2	19	8	27
Fish processing and value addition	1	2	14	16	--	4	4	2	18	20
TOTAL	**38**	**453**	**383**	**836**	**88**	**119**	**207**	**541**	**502**	**1043**

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	3	78	13	91	15	8	23	93	21	114
Training and pruning of orchards	1	25	19	44	16	9	25	41	28	69
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	3	10	23	33	-	-	-	10	23	33
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-

Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	2	35	7	42	29	9	38	64	16	80
Sheep and goat rearing	2	8	7	12	3	2	5	11	9	20
Quail farming	1	6	12	18	-	-	-	6	12	18
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	1	9	21	30	1	4	5	10	25	35
Ornamental fisheries	1	2	14	16	--	8	8	2	22	24
Composite fish culture	1	26	4	30	7	1	8	33	5	38
Freshwater prawn culture	1	22	4	26	12	3	15	34	7	41
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	1	2	18	20	--	4	4	2	22	24
TOTAL	**17**	**223**	**142**	**365**	**83**	**48**	**131**	**306**	**190**	**496**

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	1	18	-	18	-	40	40	18	40	58
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	1	15	28	43	4	5	9	43	9	52
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	-	-	-	-	-	-	-	-	-	-
Total	**2**	**33**	**28**	**61**	**4**	**45**	**49**	**61**	**49**	**110**

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	-	-	-	-	-	-	-	-	-	-
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	8	35	58	93	25	45	70	60	103	163
1.b.	Commercial production of vegetables	9	149	78	227	19	8	27	168	86	254
2	**Production and value addition**										
2.a.	Fruit Plants	9	186	26	212	26	18	44	212	44	256
2.b.	Ornamental plants	-	-	-	-	-	-	-	-	-	
2.c.	Spices crops	-	-	-	-	-	-	-	-	-	
3.	**Soil health and fertility management**	6	240	100	340	25	10	35	265	110	375
4	**Production of Inputs at site**										
5	**Methods of protective cultivation**	7	25	20	45	10	30	40	35	50	85
6	**Others (pl.specify)**	-	-	-	-	-	-	-	-	-	-
7	**Post harvest technology and value addition**	-	-	-	-	-	-	-	-	-	-
7.a.	Processing and value addition	**2**									
7.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
8	**Farm machinery**	-	-	-	-	-	-	-	-	-	-
8.a.	Farm machinery, tools and implements	5	10	15	25	-	-	-	10	15	25
8.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
9.	**Livestock and fisheries**	-	-	-	-	-	-	-	-	-	-
10	**Livestock production and management**	-	-	-	-	-	-	-	-	-	-
10.a.	Animal Nutrition Management	13	268	269	537	127	112	239	395	381	776
10.b.	Animal Disease Management										
10.c	Fisheries Nutrition	2	24	8	32	12	--	12	36	12	48
10.d	Fisheries Management										
10.e.	Fresh Water Fish Culture	2	36	12	48	21	10	31	57	22	79
11.	**Home Science**										
11.a.	Household nutritional security	2	7	19	86	-	31	31	7	50	57
11.b.	Economic empowerment of women	5	21	33	54	9	19	28	30	52	82
11.c.	Drudgery reduction of women	3	9	24	30	6	21	28	15	45	60
11.d.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
12	**Agricultural Extension**	-	-	-	-	-	-	-	-	-	-
12.a.	Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
12.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	Total	**71**	**1010**	**662**	**1672**	**280**	**304**	**584**	**1286**	**970**	**2256**

Details of sponsoring agencies involved

1. TNAU-NADP-(RKVY) Scheme on Implementation of precision farming systems in vegetables
2. DDH-Dept. of HORTICULTURE,Sivagangai - Scheme on Implementation of precision farming systems in vegetables
3. State Planning Commission –TN-State Land Use Board Schemse on High Density Planting in Fruit Crops.
4. IFFCO - IFFDC, Karaikudi
5. Department of Agrl.
6. ATMA, Sivagangai
7. NABARD, Sivagangai

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 – Fish and Fishery products	2	4	32	36	1	13	14	5	45	50
2.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
3.	**Livestock and fisheries**	-	-	-	-	-	-	-	-	-	-
3.a.	Dairy farming	-	-	-	-	-	-	-	-	-	-
3.b.	Composite fish culture	2	37	12	49	17	3	20	54	15	69
3.c.	Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
3.d.	Piggery	-	-	-	-	-	-	-	-	-	-
3.e.	Poultry farming	-	-	-	-	-	-	-	-	-	-
3.f.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
4.	**Income generation activities**	-	-	-	-	-	-	-	-	-	-
4.a.	Vermi-composting	-	-	-	-	-	-	-	-	-	-
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.	-	-	-	-	-	-	-	-	-	-
4.c.	Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
4.d.	Rural Crafts	-	-	-	-	-	-	-	-	-	-
4.e.	Seed production	-	-	-	-	-	-	-	-	-	-
4.f.	Sericulture	-	-	-	-	-	-	-	-	-	-
4.g.	Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
4.h.	Nursery, grafting etc.	-	-	-	-	-	-	-	-	-	-
4.i.	Tailoring, stitching, embroidery, dying etc.	-	-	-	-	-	-	-	-	-	-
4.j.	Agril. para-workers, para-vet training	-	-	-	-	-	-	-	-	-	-
4.k.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
5	**Agricultural Extension**	-	-	-	-	-	-	-	-	-	-
5.a.	Capacity building and group dynamics	-	-	-	-	-	-	-	-	-	-
5.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	Grand Total	**4**	**41**	**44**	**85**	**18**	**16**	**34**	**59**	**60**	**119**

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	22	712	196	908	314	225	539	3	2	5
Kisan Mela	5	46	32	78	32	52	84	2	1	3
Kisan Ghosthi	-	-	-	-	-	-	-	-	-	-
Exhibition	14	414	241	655	32	18	50	5	3	8
Film Show	15	279	401	680	124	121	245			
Method Demonstrations	4	12	38	50	6	5	11	8	2	10
Farmers Seminar	-	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-
Group meetings	40	515	404	919	124	161	285	5	5	10
Lectures delivered as resource persons	25	610	578	1188	210	251	461	15	5	20
Newspaper coverage	64		-	-	-	-	-	-	-	-
Radio talks	24		-	-	-	-	-	-	-	-
TV talks	-	-	-	-	-	-	-	-	-	-
Popular articles	9	-	-	-	-	-	-	-	-	-
Extension Literature	5	-	-	-	-	-	-	-	-	-
Advisory Services	861	1254	550	1804	122	89	211	2	2	4
Scientific visit to farmers field	141	623	117	740	114	93	207	5	3	8
Farmers visit to KVK	374	332	693	1025	119	122	241	5	2	7
Diagnostic visits	165	255	163	418	101	98	199	5	-	5
Exposure visits	4	250	150	400	125	100	225	2	4	6
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-
Soil health Camp	6	240	100	340	25	10	35	2	1	3
Animal Health Camp	16	834	751	1585	5	714	719			
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	2	110	20	130	20	5	25	1	1	2
Farm Science Club Conveners meet	5	152	125	277	35	40	75	-	-	-
Self Help Group Conveners meetings	15	10	312	322	24	54	78	-	-	-
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)	-	-	-	-	-	-	-	-	-	-
Any Other (Specify)	-	-	-	-	-	-	-	-	-	-
Total	**1816**	**6648**	**4871**	**11519**	**1532**	**2158**	**3690**	**60**	**31**	**91**

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Name of the variety (if hybrid pl. specify)	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	-	-	-	-	-
Oilseeds	Groundnut	TMV13	160	7200	10
Pulses	-	-	-	-	-
Commercial crops	-	-	-	-	-
Vegetables	Chillies	Pmk-3	0.05	6000	25
Flower crops	-	-	-	-	-
Spices	-	-	-	-	-
Fodder crop seeds	Subabul	Local	0.5	4000	50
Fiber crops	-	-	-	-	-
Forest Species	-	-	-	-	-
Others	-	-	-	-	-
Total	-	-	**160.55**	**17200**	**85**

9.B. Production of planting materials by the KVKs

Crop category	Name of the crop	Name of the variety (if hybrid pl. specify)	Number	Value (Rs.)	Number of farmers
Commercial	-	-	-	-	-
Vegetable seedlings	Moringa	PKM-1	650	3700	85
	Tomato	COTH-1	15000	4500	100
	Brinjal	RAVAIYA			
	Chillies	PRIYYANKA			
Fruits	Jack	Singapore	286	2860	55
Ornamental plants	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-
Plantation	coconut	ECT	60	1800	60
Spices	-	-	-	-	-
Tuber	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-
Forest Species	-	-	-	-	-
Others	-	-	-	-	-
Total			**15996**	**12860**	**300**

9.C. Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	Number of farmers to whom provided
Others (specify)	Mineral Mixture	182	10010	52
Total		**182**	**10010**	**52**

9.D. Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Turkey poults	Nandhanam	457	57125	127
Guinea fowl	Nandhanam	15	2250	
Desi Birds	Aseel and Caveri	3261	211965	7
Sale of feed	-	733	20524	322
Desibird Egg (Incubator charges)	-	608	6080	212
Turkey Egg (Incubator charges)	-	524	7875	110
Guinea fowl egg (Incubator charges)	-	45	675	12
Goose duck (Incubator charges)	-	21	630	8
Duck Egg (Incubator charges)	-	40	600	7
Ornamental Fish	Livebearers	1200	250	6
Total		**6904**	**307974**	**811**

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

Item	Title	Authors name	Number
Research papers			-
	Factors Influencing mutton production in Tamilnadu	V.Palanichamy, KN. Selvakumar, M. Prabu and A.Serma Saravana Pandiyan	-
	Cost of milk production of cross bred cows in Tamilnadu : an economic analysis	M. Prabu ,KN. Selvakumar A.Serma Saravana Pandiyan, V.Palanichamy,	-
Popular articles	Dairy Farming	V.Palanichamy	-
	Kitchen Garden	S.Sendur Kumaran	-
	Dryland Fruit culture	S.Sendur Kumaran	-
	Scientific methods in goat farming	R.Thangathurai	-
	Scientific methods in desi birds rearing	V.Thavasiappan	-
	Fresh Water fish culture	P.Ganesan	-
	Composite Carp culture	P.Ganesan and V.Palanichamy	-
	Murrel Culture	P.Ganesan and V.Palanichamy	-
	Integrated Fish Farming	P.Ganesan and V.Palanichamy	-
Books	Recent Techniques in Turkey rearing	V.Palanichamy, S.Meenakshi Sundram	250
	High Density planting in fruit crops	S.Sendur Kumaran, V.Palanichamy, I. Muthuvel	100
	Coconut	S.Sendur Kumaran, S.Meenakshi Sundram,PG.Thenmozhi	100
Others - Pamphlets	Pest Management in Mango	S.Sendur Kumaran, S.Meenakshi Sundaram	100
	Disease Management in Mango	S.Sendur Kumaran, S.Meenakshi Sundaram	100
	Precision farming in Brinjal	S.Sendur Kumaran, S.Meenakshi Sundaram	100
	Precision farming in tomato	S.Sendur Kumaran, S.Meenakshi Sundaram	100
	Rhinoceros bath management in Coconut	S.Sendur Kumaran, S.Meenakshi Sundaram	100
	Scientific methods of Turkey rearing	V.Palanichamy, S.Meenakshi Sundaram	100
	Infertility Management in dairy animals	V.Palanichamy, R.Thangathurai and V.Thavasiappan	100
	Brooding management in poultry farming	V.Palanichamy, S.Meenakshi Sundaram	100
	Scientific methods of Turkey rearing	R.Thangathurai, V.palanichamy and V.Thavasiappan	100
	Symbol methods of crossbred heifer rearing	R.Thangathurai, V.palanichamy and V.Thavasiappan	100
	Scientific methods of Desibirdl rearing	R.Thangathurai, V.Thavasiappan and V.palanichamy	100
	Natural fertilizer – Goat manure	R.Thangathurai, V.palanichamy and V.Thavasiappan	100
	Reproductive management in dairy cows	R.Thangathurai, V.palanichamy and V.Thavasiappan	100
	One year one calf improve wealthy life	R.Thangathurai, V.palanichamy and V.Thavasiappan	100
	Prevention of ectoparasites in goat	R.Thangathurai, V.palanichamy and V.Thavasiappan	100
	Scientific management methods of goat	R.Thangathurai, V.palanichamy and V.Thavasiappan	100

	rearing		
	Scientific methods of white rearing	V.Thavasiappan, R.Thangathurai and V.Palanichamy	100
	Blood diarrhea management in goats	R.Thangathurai, V.Thavasiappan and V.palanichamy	100
	Value added Wheat Products	PG.Thenmozhi, V.Palanichamy and M.Abirami	100
	Balance diet for adolescent girls	PG.Thenmozhi, V.Palanichamy and M.Abirami	100
	Value added Mango Products	PG.Thenmozhi, V.Palanichamy and M.Abirami	100
	Composite Carp Culture	P.Ganesan and V.Palanichamy	100
	Integrated Fish Culture	P.Ganesan and V.Palanichamy	100
	Ornamental Fish Culture	P.Ganesan and V.Palanichamy	100
	Fresh Water Prawn Culture	P.Ganesan and V.Palanichamy	100
	Murrel Culture	P.Ganesan and V.Palanichamy	100

10.B. Details of Electronic Media Produced ;NIL

10.C. Success Stories / Case studies, if any

1.Title : Pavasi panchayat village farmers success in cultivation of drought resistant variety PMK – 4 for taking dual crop in Paddy in a area where one crop is taken every year

Background

Pavasi is a remote panchayat village in Devakottai block of Sivagangai district. In that village nobody is possessing borewell or openwell for undertaking transplanted paddy on any other water dependent crops. They are solely dependent on rainfall for undertaking direct sown paddy for one season only. During the year 2010, the entire Sivagangai district received surplus rainfall. The Pavasi village farmers approached the soil and water testing unit of KVK for efficiently managing the excess water.

Intervention

Process

The soil and water testing unit of KVK advised the farmer to utilize the surplus water by undertaking cultivation of PMK – 4 variety

Technology

The PMK – 4 variety, which can give good yield under drought condition accordingly they undertaken the cultivation of PMK – 4 variety during the summer season of 2011 and they enjoyed a credit of cultivating two crops of direct sown Paddy.
In addition to that KVK, Kundrakudi facilitated for making a agreement between Paramakudi research station and Pavasi farmers for the buying back the TFL seeds produced by the farmers. The Professor and Head, Paramakudi Research Station, who supplied the PMK – 4 seeds to Pavasi farmers field along with KVK, Kundrakudi scientist on 06.04.2011 for evaluation of seed performance.

Impact

Horizontal Spread

The average area covered by introduction of the technology ie., through the concept of contingencies planning is around 50 acres in Devakottai block of Sivagnagai district.

Economic gains

By following the technology and quantification of the data, the benefit cost ratio has been worked out 1:1.4

2.Title : Elayankudi farmers experiences in realization of highest profit by undertaking cultivation of B.T. Cotton

Background

Elayankudi block of Sivagangai district is best known for its Chilli and cottons production in the black cotton soil. So far the largest years of practice they are undertaking traditional cultivars and other low yielding varieties, the approximate yield of such may be around 10 -15 q/ha and fetches lowest price in the market.

Intervention

Process

For the first time in Sivagnagai district agronomy unit of KVK Kundrakudi introduced hybrid B.T.Cotton viz., RCH -2 that yields 21/2 times that of traditional variety during the year 2009- 2010. Totally 12 farmers of different villages realized a average yield of 32 q/ha.

Technology

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They used only one round spraying of pesticide chemical, profenophos along with fish oil rosin towards control of sucking pests

Impact

Farmers abandoned the utilization of traditional varieties, but now after the intervention of KVK they are undertaking the cultivation

Horizontal Spread

The average area covered by introduction of the technology ie., through the concept of contingencies planning is around 500 acres in Elayankudi block of Sivagnagai district.

Economic gains

By following the technology and quantification of the data, the benefit cost ratio has been worked out 1:2.3

3.Title : Dairy Farming

Background

Mr.Manikavasakam, (Contact No. 9442321753) is a graduate worked for 10 years at Dubai and returned India to involve in business. He approached scientists of KVK, Kundrakudi for starting up of a new dairy farm at South Ilaiyathankudi near Kilasivalpatti. He also planned to prepare and sell dairy products etc., from his farm.

Interventions

Process

On request, detailed expertise opinion on modern dairy farming systems, suitable dairy breeds of the tract, fodder cultivation strategies and other programme related to dairy farming was given to him. He was requested to participate the training on " Modern Dairy Cattle Farming and Management" at Krishi Vigyan Kendra, Kundrakudi. As promised, Mr. Manickavasagam attended the training programme and benefited. He also interacted and put questions on dairy farming and clarified all his doubts. The Krishi Vigyan Kendra scientist as a team visited his field for selecting of farm site, Fodder cultivation areas and also tested the quality of the water for farm use and for fodder cultivation

Technology

Among many frontline demonstration programmes of Krishi Vigyan Kendra, the inputs related to dairy cattle farming was diverted to him. As a part of the technology, CO-4 fodder slips were distributed for cultivation at the site specified. After technological intervention, he started a small dairy farm with 10 dairy cattle breeds initially and he promised to extent and expand his farm in a large scale basis in future. He expressed his full satisfaction on scientists intervention.

Impact

Horizontal Spread :

Mr. Manickavasagam he himself expressing his satisfaction and explaining the methodology for starting up of dairy farming to the farmers who approached him personally. He also encourages the farmers to visit Krishi Vigyan Kendra, Kundrakudi to get scientific advisory services. At the same time the farmers who approached our Krishi Vigyan Kendra, Kundrakudi were directed to visit his farm for preliminary exposure .

Economic gains

He is earning Rs. 4500/ month from the dairy unit.

4.Title : Desi birds Rearing

Background

Mr.Kaddappan S/o Karupiaha (Contact No. 89735 17375) is an agriculture farmer worked for 14 years at Singapore and returned India to involve in agricultural Activities. He approached scientists of KVK, Kundrakudi for starting up intensive system of rearing desi bird at Plavankudi village, Kallal block of Sivagangai district. He also planned to market their products from his farm.

Interventions

Process

On request, detailed expertise opinion on intensive system rearing of desibirds, suitable poultry breeds, feeding and watering strategies and other programme related to intensive system of desibird rearing was given to him. He was requested to participate the training on " Desibirds farming and Marketing" at Krishi Vigyan Kendra, Kundrakudi. As promised, Mr. Kaddappan attended the training programme and benefited. He also interacted and put questions on poultry farming and clarified all his doubts. The Krishi Vigyan Kendra scientist as a team visited his field for selecting of farm site, construction of shed, lighting and also tested the quality of the water for farm use.

Technology

Among many frontline demonstration programmes of Krishi Vigyan Kendra, as a part of the technology, debeaking methodology was demonstrated and trains him to do the method. After technological intervention, he started an intensive system rearing of desibirds farming with 500 desibirds initially and he promised to extent and expand his farm in a large scale basis in future. He expressed his full satisfaction on scientist's intervention.

Impact

Horizontal Spread :

Mr.Kaddappan he himself expressing his satisfaction and explaining the methodology for starting up of desibirds farming to the farmers who approached him personally. He also encourages the farmers to visit Krishi Vigyan Kendra, Kundrakudi to get scientific advisory services. At the same time the farmers who approached our Krishi Vigyan Kendra, Kundrakudi were directed to visit his farm for preliminary exposure.

Economic gains

Total investment so far been made was Rs.1.5 lakhs

Income generation was to the tune of Rs.2.5 lakhs

5.Title : Kuyilthoppu Horticultural nursery garden

Background

Kuyilthoppu Horticultural nursery garden, is located in a pilgrimage place where nearly 1,00,000 people per annum are visiting for worshippng the lord muruga at kundrakudi.A rural youth called Mr. Rajasekar was jobless and having lands of about 3.0 acres without any cultivation. Investing money in this land has neen gaining him dissatisfaction for him .In that juncture he approached KVK,Kundrakudi for a self employment to sustain his life.

Interventions

Process

Mr. Rajasekar, a 35 year old rural youth had been trained on establishment of "Horticultural Nursery garden". The information gathered from the training had fully been utilized by him to start a new nursery garden at Kundrakudi. The year of establishment of this garden was 2008- 09

Technology

. The technical guidance for perpetuation of seedlings, grafting techniques and selection of mother palm of coconut, seedling handling techniques were being rendering by this Krishi Vigyan Kendra, as and when he warrants on this aspects. The recent poly house technology shade nut and portray techniques also been disseminated him for effective production of planting materials.

Impact

Horizontal Spread :

Very recently he has established a poly house and a shade net house for production of huge number of ornamental plants. Using these , during the year 2010 – 2011 he has produced more than a lakh seedlings and distributed to the needy farmers. On seeing this nursery activity few more nurseries also established in this district. One such is samuktha nursery at korati.

Economic gains

Total investment so far been made was Rs.3.5 lakhs

Income generation was to the tune of Rs.16.2 lakhs

Employment Generation

For his daily nursery operation at least 5- 10 laborers are being employed in view to give job opportunity.

6.Title : Composite Carp Culture

Background

Solapuram is a Panchayat Village 6 K.ms away from Sivagangai town. It has good water source through borewell The fish farmers followed composite carp culture by stocking only 2 or 3 species with improper management of feed and water quality. Two farmers from the village had been trained on Composite Carp Culture and applied the gathered information from the training, and more profit than the previous crops.

Intervention

Process

The training programme had been organized by Krish Vigyan Kendra, Kundrakudi Th. Rajendran attended the training and requested to visit the scientist to his farm at Solapuram. After visiting the farm scientist advised to the farmers the culturing practices and advised information had been followed by the farmer.

Technology

KVK conducted frontline demonstration providing carp seeds to the farmers. Th. Rajendran is one of the beneficiary of FLD programme. The result of FLD gave full satisfaction and inspiration for further development. After technological interventions, he is going to construct another one pond to culture the fish.

Impact

Economic gains : Rs.55,000per harvest.

7.Title : Homecare Products

Background

Mrs.P. Shanthi aged 34 years is a resident of Thulavurwith urcertain income from agriculture she was not able to manage her family expenses and was looking for some income generating activities

Intervention

Process

She approached our kendra. She was given training for the preparation of home care products and was motivated to take up the preparation of home care products on a commercial basis at our kendra on

Technology

Subsequently she has taken up preparation of Phenyle and lemon pickles. The composition for the preparation of phenyl such as phenyl compound and essence; and masala powder and vinegar for the preparation of pickle were dealt to the entrepreneur

Impact

Horizontal Spread

She is preparing phenyl and lemon pickle regularly and selling the same to the nearby local markets. On the process of the entrepreneurship development and the income earning by her, the nearby self help group women also have come forward to start the phenyl preparation and pickle making as a commercial business.

Economic gains

Now she is generating as 2500 / month from phenyle preparation and as 1500 / month from sale of lemon pickle.

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

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

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1.	Chilli	Soaking of seeds in 5 days old Buttermilkfor half an hour	For breaking dormancy and early germination
2.	Paddy	Utilization of Neem leaf as green eaf manure	To control weeds particulary Cyperus sp
3	Scampi	Scampi Culture in Ponds	Short culture period, More profit
4	Carp	Proper composite carp culture	Higher yield and more profit

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

- Identification of courses for farmers/farm women : PRA techniques and Identification of open water bodies in villages and creating awareness in fish culture to the panchayat presidents
- Rural Youth : Off campus training programme
- Inservice personnel : Extension functionaries training

10.G. Field activities

i. Number of villages adopted : 15
ii. No. of farm families selected : 41
iii. No. of survey/PRA conducted : 8

10.H. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab :

1. Year of establishment : 13.09.2005
2. List of equipments purchased with amount :

Sl.No	Name	Qty.	Amount
1.	Godrej fridge (165 litres)	1	3931
2.	Refrigerator (Samsung 315 litres)	1	19250
3.	Flame photometer	1	2582
4.	Chemical balance	1	95645
5.	Hot air oven	1	11670
6.	Digital physical balance	1	9595
7.	Digital PH meter	1	9831
8.	Hot plate rectangular	1	7502
9.	Water distillation	1	76548
10.	Spectrophotometer	1	28509

11.	Grinder	1	26988
12.	Kjeldahl disgestion and distillation unit	2	49391
13.	Conductivity bridge	1	10160
14.	Rotary shaker	2	48766
Total		**16**	**400368**

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	1769	112	18	17690
Water Samples	147	84	15	1470
Plant samples	10	1	1	500
Total	**1926**	**197**	**34**	**19660**

10.I. Technology Week celebration

Period of observing Technology Week : From 13.01.2011 to 21.01.2011
Total number of farmers visited : 250
Total number of agencies involved : 3
Number of demonstrations visited by the farmers within KVK campus : 30

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Lectures organized	8	232	Fresh water fish culture and fish nutrition, Fodder production technology
Farm Visit	7	42	Carp and Scampi culture, Dairy farming, Sheep and goat farming, Fodder production technology
Diagnostic Practical's	1	1	Fungal diseases in murrel culture
Supply of Literature (No.)	1	250	Fresh water fish culture and fish nutrition
Supply of Seed (q)	6	74	Bhendi and chilli seeds were supplied
Supply of Planting materials (No.)	5	55	Protray seedlings of chillies and moringa seedlings were supplied
Bio Product supply (Kg)	9	66	Mineral mixures and salt licks were supplied
Total number of farmers visited the technology week	10	250	Fresh water fish culture and fish nutrition, Dairy Farming , Fodder production technology

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

A. Introduction of alternate crops/varieties

State	Crops/cultivars	Area (ha)	Number of beneficiaries
Tamilnadu (Sivagangai District)	Paddy	15	25
Tamilnadu (Sivagangai District)	Ground nut	10	40
Tamilnadu (Sivagangai District)	Cashew	20	60
Tamilnadu (Sivagangai District)	Chillies	10	50

B. Major area coverage under alternate crops/varieties

Crops	Area (ha)	Number of beneficiaries
Oilseeds	Ground nut	25
Pulses	Black gram	30
Cereals	paddy	25
Vegetable crops	Chillies and brinjal	45
Total		**125**

C. Farmers-scientists interaction on livestock management

State	Livestock components	Number of interactions	No.of participants
Tamilnadu (Sivagangai District)	Dairy	3	32
Tamilnadu (Sivagangai District)	Goat farming	7	65
Total		**10**	**97**

D. Animal health camps organized

State	Number of camps	No.of animals	No.of farmers
Tamilnadu (Sivagangai District)	22	5937	2516
Total	**22**	**5937**	**2516**

E. Seed distribution in drought hit states:-

F. Large scale adoption of resource conservation technologies

State	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Tamilnadu (Sivagangai District)	Goat farming	**20**	**50**
Tamilnadu (Sivagangai District)	chillies	**25**	**75**
Total			**127**

G. Awareness campaign

State	Meetings		Field days		Exhibition		Film show	
	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers
Tamilnadu (Sivagangai District)	Animal Sciences							
Tamilnadu (Sivagangai District)	5	250	2	57	4	2500	--	--
Tamilnadu (Sivagangai District)	Horticulture							
	4	300	6	150	4	650	5	450
Tamilnadu (Sivagangai District)	Fisheries							
Tamilnadu (Sivagangai District)	5	123			4	780	4	320

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)
Artificial Insemination in Cattle	100	63	-	3000/month
Root rot in groundnut	20	100	36000 per hectare	48200 per hectare
Chilli Hybrid production	65	100	15800	74200
SRI in paddy cultivation	75	100	42000 per hectare	71000 per hectare
Precision farming in chillies	100	100	82000	215000
Scampi Culture	61	3	Newly Introduced	56890 / 0.1 ha
Composite Carp Culture	61	24	44320/ 0.1 ha	52120 / 0.1 ha

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

11.B. Cases of large scale adoption : Precision farming in vegetable crops has been adopted to 250acres in sivaganga district as the same has also been horizontally spread to 850 hectares involving sate departments.The salient features of the achievements of the adopted scheme is depicted hereunder

Sl.No	Content	Remarks	Relevant Photo
1.	**Title**	Implementation of Precision Farming System in Tamil Nadu**.**	-
2.	**Location**	Krishi Vigyan Kendra,Kundrakudi	-
3.	**Funding Agency**	TNAU-NADP(RKVY) Govt. of Tamil Nadu	-
4.	**Principal Investigator**	Dr.S.Meenakshi Sundaram,Ph.D., Associate Professor and Head, Krishi Vigyan Kendra, Kundrakudi – 630 206.	-
5.	**Co- Principal Investigator**	Dr.S.Sendur Kumaran, Ph.D., Assistant Professor (Horticulture), Krishi Vigyan Kendra, Kundrakudi – 630 206.	-
6.	**Duration**	Two years (02-04-2009 to 31-12-2010)	-
7.	**Date of Start**	02-04-2009	-
8.	**Dtae of termination**	31-12-2010	-
9.	**Objectives** 1. Selection of Farmers, Providing hands- on training on precision farming and registering farmers society 2. Provide hands on expertise to farmers on precision mode of cultivation 3. Enhance the productivity by 80 -100% compared to bench mark level and Provide adequate exposure to various markets		-
10.	**Project Achivements** **Objective 1:** Beneficiary farmer selection and registered association under societies act Publicity efforts and nature of publicity Daily magazines and line departments		

	1. Dhinamalar; 2.Dhinamani; 3.Dhinathanthi; 4.Department of Agriculture 5.Department of Horticulture 6.Department of Animal Husbandry -130 application received .30 application rejected. Finally 100 beneficiary farmers selected for implementing the scheme	
	Villages covered - No. of clusters formed- 5 Names of the Societies registered: 1. Ilayangudi block precision farming Association, Reg.No. S.No. 86 of 2008, Dt: 1st December 2008 - 50 Farmers 2. Sivagangai District Nattarasankottai regional KVK Precision FarmersAssociation, Reg.No. S.No. 111 of 2009, Dt: 11th May 2009 - 30 Farmers 3. Sivagangai District Kalaiyar Koil regional KVK Precision Farmers Association, Reg.No. S.No. 134 of 2009, Dt: 27th July 2009 - 20 Farmers Hands-on training on recent technologies in Precision farming at KVK SIRUGAMANI First batch-18-06-2009 and 19-06-2009 -50 farmers Second batch-06-07-2009 and 07-07-2009 -50 farmers	
	Objective 2: Provide hands on expertise to farmers on precision mode of cultivation	
	Soil and Water samples were collected from 100 farmers from 100 hectare area and the analysis is done. Reports on the samples collected from 100 hectares were Sent to the concerned drip companies for further action	
	Inauguration of precision farming Scheme by honorable Vice-Chancellor Dr.P.Thangaraju,Ph.D.,TANUVAS,Chennai-51 ON 21-10-2009 at Salaigrammam village of Ilayangudi block,Sivagangai District.	
	Shade nets were erected for the 5 clusters with 20 farmers each. The quality hybrid vegetable seedlings will be raised using this shade nets and the same had been supplied to the cluster level beneficiaries.	
	Installation of Drip and Fertigation Systems in farmers field with the help of The following two are the Tamil Nadu Government approved firms which are also opted by the farmers for installation of drip and fertigation systems Jain 1.Irrigations (pvt.) Ltd.,(80 fields) and 2. Plasto-Passion Ltd.(20fields)	
	Field preparation	
	Supply of drip and fertigation systems to the beneficiaries	
	Field installation	
	Examination of drip systems	
	the quality hybrid vegetable seeds of chillies,brinjal,bhendi and tomato were supplied to the beneficiaries in view to raise the seedlings and	
	Distribution of water soluble fertilizers	

Objective 3: Enhance the productivity by 80 -100% compared to bench mark level and Provide adequate exposure to various markets

Quality portray seedlings

No seedling damage because of seedlings planted with ball of earth

Yield : Brinjal -55 t/hec ; Chillies-35t/hec ; Bhendi- 22t/hec

11. **Problems and Solutions**

Sl.No.	Problems	Solutions
1.	Timely availability of Hybrid vegetable seeds, portray and cocopith	Arrangements can be made for regular supply from Dharmapuri co-operative store or establishing District level co-operative store
2.	Damage of nozzles at lateral point	Tie –up or AMC for drip and fertigation systems with the concerned company
3.	Chiesal plough/Rotavator	Own common ploughing machine can be purchased for 5 societies
4.	Poor price for their bulk produce	By-back arrangements can be made with export companies
5.	Repayment of loan	JLG (Joint Liability Group) can be formed

12. **Follow up action,validation,publication,manuals,technical property rights,linkages**

Follow up action :

-Monthly visits are planned to rectify the problems in operation of Drip and fertigation systems

-Advisory services are done to correct the pest and diseases problems of hybrid vegetables.

-Regularly participating in the monthly society meeting of the precision farming farmers and clarifying the problems faced during the course of precision farming

Constrint in Follow up action :

-No separate fund allocation for follow up action ,which restrict the number of field visit

Publication,manuals

- Book on precision farming-1 ; Phamlets-3- 500 copies : Final Documentation report-1

Validation and technical property rights

- Before the release of this technology it has been validated by Tamil Nadu Precision farming Cell, TNAU and the technical property rights are with TNAU,Coimbatore-3

13. **Futre plan of action**

-Attempts were being made for horizontal spread of this wonderful technology across the district in join hands with State Agricultural and Horticultural Departments

-Since this district has 4865 hectare of chilli cultivation, prices for green chilli is is heavily fluctuating. Hence dual purpose chillies are in plan to introduce to the needy farmers

-Plan to establish cold storage units for the precision farming farmer's societies in join hands with NABARD or NHM (National Horticultural Mission).

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

1.Case study on "Self and Gainful Employment through Artificial Insemination Training" has been prepared and send to Zonal Project Directrate, Bangalure.

PART XII - LINKAGES

12.A. Functional linkage with different organizations

Name of organization	Nature of linkage
IFFCO	Animal Health Camps
Farmers training centre, Punjab National Bank	Technical collaboration, conducting research trials, Farmers guidance, conducting seminar, demonstration and meetings
IFFCO	Joint survey, exchange of information, conducting seminar, demonstration and meetings
JANG (NGO)	Technical support and participation in farmers meet
Department of Animal Husbandry	Conduct of seminars, Participation of MCP and technical meeting, Training of department officials, Arrangement of exhibition and field visits
Department of Fisheries	Training of department officials, Arrangement of field visits and Regular contact for FLD work
Marine Product Export Development authority	Joint survey, exchange of information, conducting seminar, demonstration and meetings
Department of Agriculture	Training of department officials, Arrangement of field visits and Regular contact for FLD work
PAGE (NGO),Tirupuvanam	Conduct of training programme on dairy,turkey and Japanese quail farming,FLD otherthan oil seeds and pulses(Animal Science and Horticulture)
DEAF School,Manamadurai	Conduct of training ,Establishment of turkey,Vermi compost,units and Vegetable Ketchen Garden
Department of Horticulture	Conduct of colobarative projects sanctioned by National Horticulture Mission,Arrangement of field visits, Training of department officials and Supply of seeds and seedlings
Aavin	Conduct of training on dairy development programme to co-operative milk producers, Arrangement of field visits and Participation of MCP
District lead bank (IOB), Sivagangai and NABARD	Conduct of training to Women self help groups and Conduct of seminars
Tamilnadu women development corporation, Sivagangai	Conduct of training to women self help groups
District rural development agency, Sivagangai	Conduct of training and Arrangement of exhibitions
Collectorate, Sivagangai	Participation in MCP and people's grievances day
Women Development Centre, Alagappa University, Karaikudi	Delivering of guest lecture and conduct of training to the WDC adopted self help groups
Tamilnadu Agricultural University, AC & RI, Madurai	Participation of monthly meetings, Receipt of mothers spawn for spawn production in training and demonstrations
APSA College, Thiruppathur	Conduct of training programmes and Delivering of guest lectures

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.)
State Planning Commission –TN-State Land Use Board Scheme on Establishment of High Density Planting Land use model suited to Dry land semiarid ecosystems	01-06-2009	State Planning Commission, GOVT. of Tamil Nadu	4.51,000
Village Development plan	01-03-2011	NABARD	9,25,000

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?

a) KVK recommended training on capacity building on farmers groups
b) KVK advised farm seed village concept
c) In dissemination of recent technology KVK advocated FFS

Coordination activities between KVK and ATMA during 2010-11

Sl. No	Name of the activity	No. of Programmes	No. of Participants				Funds received from ATMA *(Rs. in lakh)*
			Farmers	Extension Personnel	Rural Youth	Total	
1	On Farm Trials	-	-	-	-	-	-
2	Training Programmes	-	-	-	-	-	-
3	Demonstrations	2	2	-	-	2	0.05714 Lakhs 2008 - 2009
4	Extension Activities (Exposure Visit)	1	50	-	-	50	0.21429 Lakhs 2008 -2009
5	Farmers' Field School	-	-	-	-	-	
6	Publications	-	-	-	-	-	
7	Others (Intuitional charges 40%)	-	-	-	-	-	0.10857 lakhs
Grand Total		3	52	-	-	52	0.38 Lakhs

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
1.	Training on plant propagation techniques under model nurseries	Training mode	--	--	--

12.E. Nature of linkage with National Fisheries Development Board
12.F. Details of linkage with RKVY ;NIL

12. G Kisan Mobile Advisory Services :nil

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Fodder plot and Nursery garden	2011		Fodder trees, Green fodder and leguminous fodder	Animal Fodder	--	5000	--	Yet to be supplied to the farmers
2	Fish Pond	2010	0.0526	Indian and Chinese major carps	Carps	--	23000	--	Not yet harvested

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.)	
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income
Spices & Plantation crops								
COCONUT	18-09-2010	04-03-2010	0.001	ECT	TALL	60	300	1800
Fruits								
JACK	17-05-2010	12-08-2010	0.002	Singapore PALA	Grafts	286	500	2860
Vegetables								
Moringa	15-03-2010	18-05-2010	0.003	PKM-1	Seedlings	650	240	3700
Tomato	14-12-2010	03-04-2011	0.005	COTH-1	Seedlings	15000	520	4500
Brinjal	05-04-2010	25-07-2010	0.002	RAVAIYA	Seedlings			
Chillies	19-11-2010	04-03-2011	0.002	PRIYYANKA	Seedlings			

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

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	Carps	Carps	Carps	526 Seeds	23000	--	Not yet harvested
2	Ornamental Fish	Livebearers	Fry	1200	200	250	Training Purpose only

13.E. Utilization of hostel facilities : nil
13.F. Database management :-
13.G. Details on Rain Water Harvesting structure and micro-irrigation system ;Nil

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	Union Bank of India	Chennai	-	-	-	-	-
With KVK	Union Bank of India	Karaikudi	-	KVK Main	6844	-	-

14.B. Utilization of funds under FLD on Cotton ***(Rs. in Lakh) ;No cotton programme is executed***

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**	45.00		
	Pay & Allowances (6th CPC arrears from 1.1.2006 – 31.3.2011)	52.93		7152322
2	**Traveling allowances**	1.00		99988
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.00		1.99993
B	POL, repair of vehicles, tractor and equipments	1.60		1.59805
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1.00		0.99912
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.40		0.39988
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	1.95		1.94947
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.90	7447500	0.89973
G	Training of extension functionaries	0.25		0.25000
H	Maintenance of buildings	0.30		0.29980
I	Extension Activities	0.30		0.30000
J	Farmers Field School	0.25		0.25000
K	Library	0.05		0.4995
TOTAL (A)		**107.9300**		**8151903**

B. Non-Recurring Contingencies				
1	**Works**			
	Farmers Hostel (1 Installment)	11.65		-
2	**Equipments including SWTL & Furniture**			
	Bund Former	0.15		0.14900
	Digital Camera	0.25		0.24980
	EPABX System	0.50		0.49900
	Power tiller	1.50		1.48000
	Generator	1.00		1.00000
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	--		--
4	**Library** (Purchase of assets like books & journals)	--		--
TOTAL (B)		**15.15**		**347911**
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**123.08**	**7447500**	**8499814**

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	15852.00	75961.00	168339.00	108230.00
April 2009 to March 2010	108230.00	282492.00	304593.00	130331.00
April 2010 to March 2011	130331.00	141500.00	228087.00	216918.00

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
Dr.S.Sendur Kumaran	Assistant professor	Protected cultivation in horticultural crops	TNAU,Coimbatorre	28-03-2011 to 29-03-2011
Dr.R.Thangathurai	Assistant professor	Alternate poultry farming as a livelihood option for farming community	KVK, Namakkal	24.11.2010 to 26.11.2010
Dr.P.G.Thenmozhi	Assistant professor	Recent treands in post harvest technology	Indian Institute of Crop Processing technology ,Tanjore	23-03-2011 to 28-03-2011
T.Selvaraj	Assistant professor	Soil Fertility and Health Management	TNAU,Coimbatorre	21-03-2011 to 23-03-2011
D.V.Thavasiappan	Assistant professor	Integrated Farming System for sustainable Agriculture	KVK,Kancheepuram	10-11-2010 to 12-11-2010

		Challenges and Constrains on Poultry Production and their Mitigation	VC & RI ,Namakkal	24-11-2010 to 14-12-2010
		Weather based agro advisory services	TNAU,Coimbatorre	30-03-2011 to 31-03-2011

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	Chillies	Conventional fertilizers in precision farming	10
	-	-	-
Varietal Evaluation	-	-	-
	-	-	-
Integrated Pest Management	Paddy	Integrated Disease Management in Paddy	5
	-	-	-
Integrated Crop Management	-	-	-
	-	-	-
Integrated Disease Management	Paddy	Integrated Pest Management in Rice to control stem borer and leaf folder	5
	Bhendi	Integrated Diseases Management in Bhendi	10
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			**30**

Summary of technologies assessed under livestock

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials
Disease Management	Poultry, Cattle and Sheep	Health control	15
Evaluation of Breeds	-	-	-
Feed and Fodder management	-	-	-
Nutrition Management	Cattle	Productive Performance	20
Production and Management	Cattle , Sheep and Goat	Productive Performance	15
Others (Pl. specify)	-	-	-
Total			**50**

Summary of technologies assessed under various enterprises : Nil

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

	-	-	-

Summary of technologies assessed under home science ;Nil

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

II. TECHNOLOGY REFINEMENT

Summary of technologies refined under various crops ;Nil

Thematic areas	Crop	Name of the technology refined	No. of trials
Integrated Nutrient Management	-	-	-
	-	-	-
Varietal Evaluation	-	-	-
	-	-	-
Integrated Pest Management	-	-	-
	-	-	-
Integrated Crop Management	-	-	-
	-	-	-
Integrated Disease Management	-	-	-
	-	-	-
Small Scale Income Generation Enterprises	-	-	-
	-	-	-
Weed Management	-	-	-

	-	-	-
Resource Conservation Technology	-	-	-
	-	-	-
Farm Machineries	-	-	-
	-	-	-
Integrated Farming System	-	-	-
	-	-	-
Seed / Plant production	-	-	-
	-	-	-
Value addition	-	-	-
	-	-	-
Drudgery Reduction	-	-	-
	-	-	-
Storage Technique	-	-	-
	-	-	-
Others (Pl. specify)	-	-	-
	-	-	-
Total			

Summary of technologies assessed under refinement of various livestock ;Nil

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

Summary of technologies refined under various enterprises ;Nil

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

Summary of technologies refined under home science ;Nil

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

III. FRONTLINE DEMONSTRATION

Cotton : Nil

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

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

Other crops

Crop	Thematic area	Name of the 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	Varietal Introduction	Crop Management		10	5	29.5	31.25	22.9	1000 grain weight 21g	18	24400	56000	31600	2.3	21000	47000	26000	2.0
	Popularization of Hybrid	Crop establishment and management		10	5	44.0	37.0	15.9	1000 grain weight 19g	17	22000	60000	38000	2.72	23000	48000	27500	2.3
Oilseeds	Varietal Introduction	ICM		10	5	36.5	28.5	21.9	100 seed weight 42 Gm	100 seed weight 38 Gm	2467	9155	6688	3.71	2257	6255	3998	2.77
	Varietal Introduction	ICM		10	5	4.9	8.00	37.0	100 seed weight 42 Gm	100 seed weight 38 Gm	1300	3900	2600	2.9	1750	4100	2350	1.66
Pulses	Varietal Introduction	ICM		12	5	4.0	5.0	20.0	Mini portable sprinkler usage 35 cm	25 cm	8000	20000	12000	2.5	6000	13000	7000	2.1
	Introduction of implements	Mini portable sprinkler usage in blackgram		10	5	5.0	6.2	19.35	Mini portable sprinkler usage 38 cm	22 cm	9000	22000	13000	2.4	5500	12600	7100	2.0
Vegetables Chillies	IDM	IDM		10	3	233.45	201.20	16.02	Per cent Disease incidence- Less than 2% Per cent Disease free fruits-5 No.Of fruits affected per plant -Less than 2% Yield per hec-231.20	Per cent Disease incidence- Less than 20% Per cent Disease free fruits-10 No.Of fruits affected per plant - More than 10 Yield per hec-201.5	115600	31000	84600	2.72	100750	40000	60750	1.51
Brinjal	Varietal Introduction	Hybrid introduction		10	4	302.95	251.50	20.45	-		162700	38500	124200	3.23	134000	41000	93000	2.25

Chillies	IPM	Fenprothrin+Magister Dicofol+Magister		10	5	238.85	210.50	21.04	No of leaves affected per plant–12 Percent leaf affected -Less than 2 Yield per hec-226.30	No of leaves affected per plant–35 Percent leaf affected – more than 10 Yield per hec-210.5	128250	31000	97250	3.13	105250	40000	65250	1.63
Flowers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder	Introduction and popularization	Planting methods and feed value in cattle's		10	1	1200	1050	23.5	No of slips-20	No of slips-35	12000	22000	10000	1.8	11500	19000	7500	1.6
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

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	Introduction of salt lick	Growth performance		20	4 Villages	125 gm	80 gm	36										
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pigerry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat	Deworming with Oxyclozanide	Parasitic control and growth performance		20	4 Villages	255 gm	160 gm	37										
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mussels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	Popularization of composite carp culture	Composite carp culture		6	10000	6.515 q / 0.1 ha	5.54 q / 0.1 ha	14.96			20000	52120	32120	2.606	20000	44320	24320	1.82

	Introduction of scampi culture	Scampi culture		3	6000	1.156 q / 0.1 ha	Newly introduced in Sivagangai District	NA			41300	56890	15590	1.377	--	--	--	--

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

Other enterprises ; nil

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

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

Women empowerment: Nil

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

Farm implements and machinery :Nil

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

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

Other enterprises
Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demonst-ration	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals	-	-	-	-	-	-	-	-	-	-
Bajra	-	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	-	-	-	-
Rice	CO RH-3	10	5	44	37	15.9	22000	60000	38000	2.72
Sorghum	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-	-
Castor	-	-	-	-	-	-	-	-	-	-
Mustard	-	-	-	-	-	-	-	-	-	-
Safflower	-	-	-	-	-	-	-	-	-	-
Sesame	-	-	-	-	-	-	-	-	-	-
Sunflower	-	-	-	-	-	-	-	-	-	-
Groundnut	-	-	-	-	-	-	-	-	-	-
Soybean	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-

Pulses	-	-	-	-	-	-	-	-	-	-
Greengram	-	-	-	-	-	-	-	-	-	-
Blackgram	-	-	-	-	-	-	-	-	-	-
Bengalgram	-	-	-	-	-	-	-	-	-	-
Redgram	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Vegetable crops	-	-	-	-	-	-	-	-	-	-
Bottle gourd	-	-	-	-	-	-	-	-	-	-
Capsicum	-	-	-	-	-	-	-	-	-	-
Brinjal	CO (Bh)-1	10	4	302.95	251.50	20.45	162700	38500	124200	3.23
	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Cucumber	-	-	-	-	-	-	-	-	-	-
Tomato	-	-	-	-	-	-	-	-	-	-
Brinjal	-	-	-	-	-	-	-	-	-	-
Okra	-	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-	-
Potato	-	-	-	-	-	-	-	-	-	-
Field bean	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-	-	-	-	-
Sugarcane	-	-	-	-	-	-	-	-	-	-
Coconut	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Fodder crops	-	-	-	-	-	-	-	-	-	-
Maize (Fodder)	-	-	-	-	-	-	-	-	-	-
Sorghum (Fodder)	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-

IV. Training Programme

Farmers' Training including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	2	30	8	38	6	12	8	36	20	56
Cropping Systems										
Crop Diversification										
Integrated Farming	3	63	13	76	15	8	23	167	112	279
Micro Irrigation/Irrigation	1	12	3	15	-	-	-	30	18	48
Seed production	1	10	40	50	-	-	-	10	40	50
Nursery management										
Integrated Crop Management	5	59	45	104	-	-	-	59	45	104
Soil and Water Conservation	1	15	28	43	4	5	9	19	33	52
Integrated Nutrient Management	1	22	4	26	-	-	-	22	4	26
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Horticulture	-	-	-	-	-	-	-	-	-	-
a) Vegetable Crops	-	-	-	-	-	-	-	-	-	-
Production of low value and high volume crop	3	152	78	230	42	13	55	194	91	285
Off-season vegetables	4	215	69	284	32	24	56	247	93	340
Nursery raising	3	148	82	230	15	15	30	163	97	260
Exotic vegetables	4	143	18	161	19	13	32	162	31	193
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
b) Fruits	-	-	-	-	-	-	-	-	-	-
Training and Pruning	3	82	65	147	18	4	22	100	69	169
Layout and Management of Orchards	2	28	11	39	16	9	25	44	20	64
Cultivation of Fruit	8	208	109	317	29	19	48	237	128	365

Management of young plants/orchards	2	49	33	82	16	8	24	65	41	106
Rejuvenation of old orchards	7	368	159	527	19	21	43	387	180	567
Export potential fruits	3	45	16	61	19	16	35	64	32	96
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Nursery Management	3	82	19	101	10	6	16	92	25	117
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	2	29	17	46	23	20	43	52	40	92
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-
Nursery management	1	22	11	33	10	6	16	32	21	53
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-

Soil fertility management	1	15	28	43	4	5	9	19	33	52
Integrated water management										
Integrated nutrient management	1	22	4	26	-	-	-	22	4	26
Production and use of organic inputs										
Management of Problematic soils	1	30	-	30	-	-	-	30	-	30
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	12	132	36	168	30	26	56	162	62	224
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
Dairy Management	9	219	34	253	18	24	42	237	58	295
Poultry Management	11	137	41	178	11	8	19	148	49	197
Sheep and Goat Management	8	54	5	59	32	8	40	86	37	123
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	2	17	-	17	6	4	10	23	4	27
Animal Disease Management	2	22	8	30	7	9	16	29	17	46
Feed and Fodder technology	2	42	18	60	12	8	20	54	26	80
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment	-	-	-	-	-	-	-	-	-	-
Household food security by kitchen gardening and nutrition gardening	3	5	18	23	2	13	15	7	33	40
Minimization of nutrient loss in processing	7	9	33	42	2	16	18	11	49	60
Processing and cooking	6	14	44	58	12	44	56	26	88	114
Gender mainstreaming through SHGs	11	-	112	112	-	22	22	-	134	134
Storage loss minimization techniques	4	22	35	57	16	43	59	38	78	116
Value addition	8	26	83	109	10	26	36	36		
Women empowerment	3	-	22	22	-	46	46	-	68	68
Location specific drudgery production	4	19	30	49	21	55	76	40	85	125
Rural Crafts	2	3	14	17	1	15	16	4	29	33

Women and child care	2	4	15	19	2	13	15	6	28	34
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering	-	-	-	-	-	-	-	-	-	-
Farm machinery and its maintenance	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Plant Protection	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	4	71	40	111	5	9	14	227	165	392
Integrated Disease Management	7	65	42	107	32	15	47	246	196	442
Bio-control of pests and diseases	4	25	13	38	17	21	38	93	89	182
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Fisheries	-	-	-	-	-	-	-	-	-	-
Integrated fish farming	3	26	4	30	16	2	18	42	6	48
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	5	34	12	46	11	4	15	45	16	61
Hatchery management and culture of freshwater prawn	3	38	7	45	14	2	16	52	9	61
Breeding and culture of ornamental fishes	4	11	34	45	13	8	21	24	42	66
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	3	8	78	86	-	14	14	8	92	100

Murrel Culture	2	28	5	33	12	2	14	40	7	47
Production of Inputs at site										
Seed Production	3	17	34	51	12	4	16	29	28	57
Planting material production	2	25	2	27	11	8	19	36	10	46
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	2	23	10	33	8	5	13	74	56	130
Nursery management	2	15	10	25	10	2	12	60	47	107
Integrated Farming Systems	8	43	54	97	3	7	10	197	161	358
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**210**	**3003**	**1753**	**4756**	**643**	**687**	**1330**	**3646**	**2440**	**6086**

Farmers' Training including sponsored training programmes (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Weed Management	2	13	21	34	12	35	47	80	102	182
Resource Conservation Technologies	1	18	40	58	-	-	-	18	40	58
Cropping Systems	-	-	-	0	-	-	0	0	0	0
Crop Diversification	5	25	11	36	32	21	53	104	100	204
Integrated Farming	4	25	11	36	18	10	28	90	75	165
Micro Irrigation/Irrigation	5	10	25	35	23	10	33	93	93	186
Seed production	8	22	19	41	24	31	55	106	115	221
Nursery management	-	-	-	0	-	-	0	0	0	0
Integrated Crop Management	2	10	7	17	2	7	9	36	33	69
Soil and Water Conservation	1	15	28	53	4	5	9	19	33	52
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Horticulture	-	-	-	-	-	-	-	-	-	-
a) Vegetable Crops	-	-	-	-	-	-	-	-	-	-
Production of low value and high volume crop	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	5	102	52	154	16	18	34	118	70	188
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
b) Fruits	-	-	-	-	-	-	-	-	-	-
Training and Pruning	3	124	112	236	15	7	22	139	119	258
Layout and Management of Orchards	2	18	15	33	6	8	14	24	23	47

Cultivation of Fruit	4	65	27	92	12	8	20	77	35	112
Management of young plants/orchards	3	246	145	391	23	18	41	269	163	432
Rejuvenation of old orchards	2	47	24	71	18	4	22	65	28	93
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Nursery Management	3	62	21	83	15	3	18	77	24	101
Management of potted plants	2	54	24	78	7	45	52	61	69	130
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	1	35	13	48	19	14	33	54	27	81
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-

Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-
Soil fertility management	1	18	2	20	12	3	15	20	15	35
Integrated water management										
Integrated nutrient management	1	4	-	4	-	-	-	4	-	4
Production and use of organic inputs										
Management of Problematic soils	1	6	27	33	30	13	43	33	43	76
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
Dairy Management	3	47	21	68	7	6	13	54	27	81
Poultry Management	7	61	42	103	33	22	55	94	64	158
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	2	122	5	127	20	2	24	142	7	149
Animal Disease Management	3	42	24	66	11	08	19	53	32	85
Feed and Fodder technology	2	39	13	52	36	10	46	75	23	98
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment	-	-	-	-	-	-	-	-	-	-
Household food security by kitchen gardening and nutrition gardening	3	11	36	47	5	29	34	16	65	81
Design and development of low/minimum cost diet	4	16	45	61	10	43	53	26	88	114
Designing and development for high nutrient efficiency diet	5	19	38	57	14	53	67	31	53	84
Minimization of nutrient loss in processing	6	14	44	58	12	44	56	26	88	114
Processing and cooking	6	9	39	48	16	43	58	25	82	107
Gender mainstreaming through SHGs	11	-	150	150	-	30	30	-	180	180
Storage loss minimization techniques	7	21	65	86	6	21	27	27	86	113

Value addition	8	14	47	61	11	36	47	25	83	108
Women empowerment	6	-	26	26	-	18	18	-	44	44
Location specific drudgery production	3	-	36	36	-	28	28	-	64	64
Rural Crafts	1	4	8	12	2	11	13	6	19	25
Women and child care	3	-	36	36	-	28	28	-	64	64
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering	-	-	-	-	-	-	-	-	-	-
Farm machinery and its maintenance	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Plant Protection	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	8	24	35	59	15	32	47	39	67	106
Integrated Disease Management	7	25	15	40	20	25	45	45	40	95
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Fisheries	-	-	-	-	-	-	-	-	-	-
Integrated fish farming	1	12	2	14	--	3	3	12	5	17
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	2	332	277	609	72	17	99	404	294	698
Hatchery management and culture of freshwater prawn	1	28	23	51	4	9	13	32	32	64
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-

Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	1	-	124	124	--	52	52	--	176	176
Murrel Culture	1	28	--	28	8	--	8	36	--	36
Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	2	10	15	25	-	-	-	-	-	25

Nursery management	2	12	10	22	-	-	-	-	-	22
Integrated Farming Systems	2	10	20	30	8	-	8	18	20	38
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**163**	**1819**	**1820**	**3639**	**598**	**830**	**1428**	**2695**	**2935**	**5630**

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	5	158	29	187	14	24	38	172	53	225
Training and pruning of orchards	1	25	14	39	14	13	27	39	27	66
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	2	27	18	45	-	-	-	27	18	45
Integrated farming										
Seed production	2	10	21	31	-	-	-	10	21	31
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	2	54	20	74	13	7	20	67	27	94
Mushroom Production	6	32	30	62	12	10	22	44	40	84
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	2	-	89	89	-	10	10	-	99	99
Small scale processing	5	17	36	53	7	19	26	24	55	79
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	2	22	09	31	3	2	5	25	11	36
Sheep and goat rearing	1	15	12	27	3	4	7	18	16	34

Quail farming	3	14	25	39	5	7	12	19	32	51
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	2	16	34	50	6	11	17	22	45	67
Ornamental fisheries	1	2	22	24	1	7	8	3	29	31
Composite fish culture	1	24	2	26	4	1	5	28	3	31
Freshwater prawn culture	1	18	--	18	4	--	4	22	--	22
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Murrel Culture	1	17	8	25	2	--	2	19	8	27
Fish processing and value addition	1	2	14	16	--	4	4	2	18	20
TOTAL	**38**	**453**	**383**	**836**	**88**	**119**	**207**	**541**	**502**	**1043**

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	3	78	13	91	15	8	23	93	21	114
Training and pruning of orchards	1	25	19	44	16	9	25	41	28	69
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	3	10	23	33	-	-	-	10	23	33
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-

Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	2	35	7	42	29	9	38	64	16	80
Sheep and goat rearing	2	8	7	12	3	2	5	11	9	20
Quail farming	1	6	12	18	-	-	-	6	12	18
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	1	9	21	30	1	4	5	10	25	35
Ornamental fisheries	1	2	14	16	--	8	8	2	22	24
Composite fish culture	1	26	4	30	7	1	8	33	5	38
Freshwater prawn culture	1	22	4	26	12	3	15	34	7	41
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	1	2	18	20	--	4	4	2	22	24
TOTAL	**17**	**223**	**142**	**365**	**83**	**48**	**131**	**306**	**190**	**496**

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	1	18	-	18	-	40	40	18	40	58
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	1	15	28	43	4	5	9	43	9	52
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	**2**	**33**	**28**	**61**	**4**	**45**	**49**	**61**	**49**	**110**

Training programmes for Extension Personnel including sponsored training programmes (off campus) ;nil

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

Sponsored training programmes

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Increasing production and productivity of crops	8	35	58	93	25	45	70	60	103	163
1.b.	Commercial production of vegetables	9	149	78	227	19	8	27	168	86	254
2	**Production and value addition**										
2.a.	Fruit Plants	9	186	26	212	26	18	44	212	44	256
2.b.	Ornamental plants	-	-	-	-	-	-	-	-	-	-
2.c.	Spices crops	-	-	-	-	-	-	-	-	-	-
3.	**Soil health and fertility management**	6	240	100	340	25	10	35	265	110	375
4	**Production of Inputs at site**										
5	**Methods of protective cultivation**	7	25	20	45	10	30	40	35	50	85

6	**Others (pl.specify)**	-	-	-	-	-	-	-	-	-	-
7	**Post harvest technology and value addition**	-	-	-	-	-	-	-	-	-	-
7.a.	Processing and value addition	**2**	-	-	-	-	-	-	-	-	-
7.b.	Others (pl.specify)		-	-	-	-	-	-	-	-	-
8	**Farm machinery**		-	-	-	-	-	-	-	-	-
8.a.	Farm machinery, tools and implements	5	10	15	25	-	-	-	10	15	25
8.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
9.	**Livestock and fisheries**	-	-	-	-	-	-	-	-	-	-
10	**Livestock production and management**	-	-	-	-	-	-	-	-	-	-
10.a.	Animal Nutrition Management	13	268	269	537	127	112	239	395	381	776
10.b.	Animal Disease Management										
10.c	Fisheries Nutrition	2	24	8	32	12	--	12	36	12	48
10.d	Fisheries Management										
10.e.	Fresh Water Fish Culture	2	36	12	48	21	10	31	57	22	79
11.	**Home Science**										
11.a.	Household nutritional security	2	7	19	86	-	31	31	7	50	57
11.b.	Economic empowerment of women	5	21	33	54	9	19	28	30	52	82
11.c.	Drudgery reduction of women	3	9	24	30	6	21	28	15	45	60
11.d.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
12	**Agricultural Extension**	-	-	-	-	-	-	-	-	-	-
12.a.	Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
12.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	Total	**71**	**1010**	**662**	**1672**	**280**	**304**	**584**	**1286**	**970**	**2256**

Details of vocational training programmes carried out for rural youth

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**	-	-	-	-	-	-	-	-	-	-
1.a.	Commercial floriculture	-	-	-	-	-	-	-	-	-	-
1.b.	Commercial fruit production	-	-	-	-	-	-	-	-	-	-
1.c.	Commercial vegetable production	-	-	-	-	-	-	-	-	-	-
1.d.	Integrated crop management	-	-	-	-	-	-	-	-	-	-
1.e.	Organic farming	-	-	-	-	-	-	-	-	-	-
1.f.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
2	**Post harvest technology and value addition**	-	-	-	-	-	-	-	-	-	-
2.a.	Value addition – Fish and Fishery products	2	4	32	36	1	13	14	5	45	50
2.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
3.	**Livestock and fisheries**	-	-	-	-	-	-	-	-	-	-
3.a.	Dairy farming	-	-	-	-	-	-	-	-	-	-
3.b.	Composite fish culture	2	37	12	49	17	3	20	54	15	69
3.c.	Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
3.d.	Piggery	-	-	-	-	-	-	-	-	-	-
3.e.	Poultry farming	-	-	-	-	-	-	-	-	-	-
3.f.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
4.	**Income generation activities**	-	-	-	-	-	-	-	-	-	-
4.a.	Vermi-composting	-	-	-	-	-	-	-	-	-	-

4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.	-	-	-	-	-	-	-	-	-	-
4.c.	Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
4.d.	Rural Crafts	-	-	-	-	-	-	-	-	-	-
4.e.	Seed production	-	-	-	-	-	-	-	-	-	-
4.f.	Sericulture	-	-	-	-	-	-	-	-	-	-
4.g.	Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
4.h.	Nursery, grafting etc.	-	-	-	-	-	-	-	-	-	-
4.i.	Tailoring, stitching, embroidery, dying etc.	-	-	-	-	-	-	-	-	-	-
4.j.	Agril. para-workers, para-vet training	-	-	-	-	-	-	-	-	-	-
4.k.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
5	**Agricultural Extension**	-	-	-	-	-	-	-	-	-	-
5.a.	Capacity building and group dynamics	-	-	-	-	-	-	-	-	-	-
5.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	Grand Total	**4**	**41**	**44**	**85**	**18**	**16**	**34**	**59**	**60**	**119**

V. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	861	2015	4	2019
Diagnostic visits	95	254	-	254
Field Day	22	1447	5	1452
Group discussions	42	1162	5	1170
Kisan Ghosthi	-	-	-	-
Film Show	15	925	-	925
Self -help groups	19	200	-	200
Kisan Mela	5	162	3	165
Exhibition	14	705	-	705
Scientists' visit to farmers field	141	947	8	955
Plant/animal health camps	16	2304	-	2304
Farm Science Club	6	120	-	120
Ex-trainees Sammelan	-	-	-	-
Farmers' seminar/workshop				
Method Demonstrations	4	55	10	65
Celebration of important days	3	420	10	430
Special day celebration	2	125	25	150
Exposure visits	5	354	5	359
Total	**1250**	**11195**	**75**	**11273**

Details of other extension programmes

Particulars	Number
Electronic Media	-
Extension Literature	55
News Letter	5
News paper coverage	64
Technical Articles	25
Technical Bulletins	-
Technical Reports	5
Radio Talks	24
TV Talks	-
Animal health amps (Number of animals treated)	5937
Total	**6115**

VI. PRODUCTION OF SEED/PLANTING MATERIAL

Production of seeds by the KVKs

Crop category	Name of the crop	Name of the variety (if hybrid pl. specify)	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals					
Oilseeds	Groundnut	TMV13	160	7200	10
Pulses	-	-	-	-	-
Commercial crops	-	-	-	-	-
Vegetables	Chillies	Pmk-3	0.05	6000	25
Flower crops	-	-	-	-	-
Spices	-	-	-	-	-
Fodder crop seeds	Subabul	Local	0.5	4000	50
Fiber crops	-	-	-	-	-
Forest Species	-	-	-	-	-
Others	-	-	-	-	-
Total			**160.55**	**17200**	**85**

Production of planting materials by the KVKs

Crop category	Name of the crop	Name of the variety (if hybrid pl. specify)	Number	Value (Rs.)	Number of farmers
Commercial	-	-	-	-	-
Vegetable seedlings	Moringa	PKM-1	650	3700	85
	Tomato	COTH-1	15000	4500	100
	Brinjal	RAVAIYA			
	Chillies	PRIYYANKA			
Fruits	Jack	Singapore	286	2860	55
Ornamental plants	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-
Plantation	coconut	ECT	60	1800	60
Spices	-	-	-	-	-
Tuber	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-
Forest Species	-	-	-	-	-
Others	-	-	-	-	-
Total	-	-	**15996**	**12860**	**300**

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	Number of farmers to whom provided
Others (specify)	Mineral Mixture	182	10010	52
Total		**182**	**10010**	**52**

Production of livestock and related enterprise materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Turkey poults	Nandhanam	457	57125	127
Guinea fowl	Nandhanam	15	2250	
Desi Birds	Aseel and Caveri	3261	211965	7
Sale of feed	-	733	20524	322
Desibird Egg (Incubator charges)	-	608	6080	212
Turkey Egg (Incubator charges)	-	524	7875	110
Guinea fowl egg (Incubator charges)	-	45	675	12
Goose duck (Incubator charges)	-	21	630	8
Duck Egg (Incubator charges)	-	40	600	7
Ornamental Fish	Livebearers	1200	250	6
Total		**6904**	**307974**	**6904**

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	1769	112	18	17690
Water Samples	147	84	15	1470
Plant samples	10	1	1	500
Total	**1926**	**197**	**34**	**19660**

VIII. SCIENTIFIC ADVISORY COMMITTEE

Number of SACs conducted : one

Sl.No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
1	19.02.2010	11	10		
2				Suggested that Home scientist to visit Krishi Vigyan Kendra, Namakkal and replicate the concept of Uzavar Unavagam in Sivagangai District.	Home scientist Dr. P.G. Thenmozhi has visited Krishi Vigyan Kendra, Namakkal on 17.04.2010 and is now training farmer in sivagangai district in the preparation of value added products from cereals and minor millets
3				Suggested that the Soil scientist to incorporate more action photos in the presentation.	Soil scientist has been advised to incorporate more action photos during presentation
4				Suggested that Krishi Vigyan Kendra shall promote cultivation of fodder crops Co4 in Ilaiyangudi block	Krishi Vigyan Kendra has proposed to implement FLD on popularization of Co4 fodder among dairy farmers during 2010-2011.
5				Krishi Vigyan Kendra shall conduct training programme for marketing of agricultural produce.	Farmers exposure visit to Gandhi Vegetable and Fruit Market, Ottanchatram has been conducted to create awareness regarding marketing of Agricultural produce

6		Suggested that Krishi Vigyan Kendra encourage farmers to take up bank loans for purchase of agricultural machineries with 30 percent subsidy	Awareness is being created among farmers at Krishi Vigyan Kendra regarding 30 percent subsidy for agricultural implements
7		Suggested that Social welfare Department, shall be informed regarding the home science related training Programmes at Krishi Vigyan Kendra, Kundrakudi.	Information is being given regarding home science training programmes to social welfare department
8		Suggested that a newly introduced plant growth regulator AIM could be utilized by the farmers to arrest flower dropping in Chillies.	Awarness is being created regarding growth regulator AIM among farmers of Sivagangai district during on and off campus training programmme
9		Krishi Vigyan Kendra shall provide training to farmers from Sivagangai district regarding seed production and certification for pulses	Training has been provided to FLD farmers regarding feed production and Certification in pulses
10		Krishi Vigyan Kendra should initiate steps in identification of local varieties in vegetable crops for conservation and propagation.	Promising local varieties will be identified during off campus or field visit and steps will be taken for their coservation
11		Suggested that impact analysis of animal husbandry activities should be done by Krishi Vigyan Kendra, Kundrakudi	The impact of training on Artificial insemination to local unemployed youth is being documented in the form of case study
1			

IX. NEWSLETTER

Number of issues of newsletter published ; two

X. RESEARCH PAPER PUBLISHED

Number of research paper published :

	Item	Title	Authors name	Number	
	Research papers			-	
		Factors Influencing mutton production in Tamilnadu	V.Palanichamy, KN. Selvakumar, M. Prabu and A.Serma Saravana Pandiyan	-	
		Cost of milk production of cross bred cows in Tamilnadu : an economic analysis	M. Prabu ,KN. Selvakumar A.Serma Saravana Pandiyan, V.Palanichamy,	-	

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

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