ANNUAL REPORT 2010-11

(FOR THE PERIOD APRIL 2010 TO MARCH 2011)

KRISHI VIGYAN KENDRA (KRISHNAGIRI)

ANNUAL REPORT

APRIL 2010 – MARCH 2011

PART I - GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E – mail	Web Address
	Office	FAX		
Dr. Perumal Krishi Vigyan Kendra, Elumichangiri Village, Mallinayanapalli (Post), Krishnagiri Taluk and District, Pin – 635 120.	04343-296039	04343-268351	drperumalkvk@hotmail.com	-

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

Address	Telephone		E - mail	Web Address
	Office	FAX		
Tamil Nadu Board of Rural Development, 24, IInd Floor, Crescent Park Street, T.Nagar, Chennai – 17.	044 - 24360234	044 – 24360234	tnbrd1978@gmail.com	-

1.3. Name of the Programme Coordinator with Phone & Mobile No

Name	Telephone / Contact		
	Residence	Mobile	E-mail
Dr. T. Sundarraj	-	09443888644	drsundarraj@yahoo.com

1.4. Year of sanction : 1994

1.5. Staff Position (as on 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.T.Sundarraj	Programme Coordinator	M	Plant Pathology	Ph.D	(12,000 -420-18,000)	14,520	06.12.2004	Permanent	OBC
2	SMS	Mr.S.Sekar	SMS (Agronomy)	M	Agronomy	M.Sc.(Ag.)	(8,000-275-13,500)	8,275	09.10.2009	Permanent	OBC
3	SMS	Mr.T.I.Ramesh Babu	SMS (Horticulture)	M	Horticulture	M.Sc.(Horti.)	(8,000-275-13,500)	9,650	06.12.2004	Permanent	OC
4	SMS	Dr.K.Sakthivelkumar	SMS (Animal Science)	M	Animal Science	M.V.Sc.(Poultry Science)	(8,000-275-13,500)	8,000	13.12.2010	Permanent	OBC
5	SMS	Mr.S.Senthil Kumar	SMS (Agrl. Extension)	M	Agrl. Extension	M.Sc.(Ag.)	(8,000-275-13,500)	8,275	15.10.2009	Permanent	OBC
6	SMS	Mr.K.Gunasekar	SMS (Soil Science)	M	Soil Science	M.Sc.(Ag.)	(8,000-275-13,500)	9,650	13.12.2004	Permanent	OBC
7	SMS	Mrs.S.Poomathi	SMS (Home Science)	F	Home Science Extension	M.Sc.,M.Phil.,	(8,000-275-13,500)	12,125	01.04.1995	Permanent	OBC
8	Programme Assistant(Lab Tech.)/T-4	Mr.S.Mohamed Ismail	Programme Assistant (Agrl.Engg.)	M	Agrl. Engineering	B.E.(Agri.)	(5,500-175-9,000)	6,550	04.12.2004	Permanent	OBC
9	Programme Assistant (Computer)/ T-4	Mrs.R.Ruba Mangala	Programme Assistant (Computer)	F	Computer Science	B.Sc(Comp.)	(5,500-175-9,000)	5,675	08.10.2009	Permanent	OBC
10	Programme Assistant/ Farm Manager	-	-	-	-	-	-		-	Vacant	-
11	Assistant	Mr.M.Srinivasan	Assistant	M	Accountancy	B.Com	(5,500-175-9,000)	5,675	14.10.2009	Permanent	OBC
12	Jr. Stenographer	Mr. K. Ilayaraja	Stenographer	M	-	B.A	-	4,000	13.12.2010	Permanent	-
13	Driver	Mr.M.Sakthivel	Driver	M	-	-	(3,200-85-4,900)	3,285	07.10.2009	Permanent	OBC
14	Driver	-	-	-	-	-	-	-	-	Vacant	-
15	Supporting staff	Mr.M.Subramani	Farm Attender	M	Farm Attender	10th Pass	(2,550-55-2,660-60-3,200)	3,200	01.08.1998	Permanent	OBC
16	Supporting staff	Mr.G.Muniraj	Farm Attender	M	Farm Attender	8th Pass	(2,550-55-2,660-60-3,200)	2,960	04.07.2003	Permanent	OBC

1.6. Total land with KVK (in ha) : 26 ha

S. No.	Item	Area (ha)
1	Under Buildings	78 sq.m
2.	Under Demonstration Units	-
3.	Under Crops	1 ha
4.	Orchard/Agro-forestry	0.2 ha
5.	Others	24.79 ha

1.7. Infrastructural Development :

A) Buildings

S. No	Name of building	Source of Funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	1996	78 completed upto roof level, 680 completed upto foundation level	8,00,000.00	-	680	-
2.	Farmers Hostel	-	-	-	-	-	-	-
3.	Staff Quarters (6)	-	-	-	-	-	-	-
4.	Demonstration Units (2)	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Two wheeler Hero Honda – CD Dawn	2006	39,890.00	54988	Good
Two wheeler Hero Honda Passion	2009	50,000.00	14377	Good
Jeep – Mahindra Bolero plus	2009	6,00,000.00	21412	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Television	1995	17,180/-	Not in working condition
VCD	1995	13,780/-	Not in working condition
OHP	1995	51,060/-	Not in working condition
Computer with accessories	2005	75,000/-	Working
Copier	2005	75,000/-	Working
Digital Camera	2005	20,000/-	Working
LCD with accessories	2007	1,01,250/-	Working
Fax Machine	2009	15,000/-	Working
Power Generator	2011	1,00,000/-	Working
Printer D2600 - Inkjet	2010	2,150	Working
Power Tiller – VST Shakti 130 DI	2010	1,48,190.00	Working
Tractor – Massey Furguson – 50 HP	2011	5,00,000.00	Working

1.8. A). Details of SAC meeting conducted in 2010-11

Conducted date : 06.07.2010

Number of participants : 18

Number of Absentees : 6

S.No.	Salient Recommendations	Action taken
1	Planning of FLDs in vegetables with precision farming may be conducted	FLD in vegetables precision farming has been planned for 2011-12
2	Training on maintenance of drip irrigation system should be conducted	Two on campus trainings were conducted in which 39 farmers attended.
3	Buying technologies from institutions especially from IIHR & ICAR institutes	Will be purchased in the future
4	Cooking quality of new varieties released are to be analyzed	Parameters on cooking quality were assessed for the varieties taken for FLD & OFT
5	Quantification of activities should be considered while preparing reports	All the reports are being prepared with quantifiable data
6	Fodder bank may be developed	Demonstration on Fodder bank was done in 25 farmers field in an area of 1 ha

7	Training on clean milk production should be conducted	One on campus training programme was conducted on clean milk production
8	Green leaf manures combining with agro forestry may be promoted	Two trainings on organic inputs were conducted
9	More number of vocational trainings should be conducted	Enterprise development programmes were conducted with the financial assistance of NABARD
10	Sharing of FLD results with line departments is essential	Extension functionaries trainings are being conducted regularly. KVK scientist regularly attending monthly zonal workshop where in FLD results are being shared.
11	Awareness programmes on pulse production may be increased	Five training programmes on pulse production technologies were conducted in different blocks
12	Popularization of motorized cono weeder, coconut dehusker, chaff cutter should be done.	Four training programmes & demonstration on farm machineries were conducted
13	Awareness on mixed fodder cultivation trainings and demonstrations may be planned	Trainings were conducted on mixed fodder cultivation
14	Spreading type of groundnut varieties may be popularized for fodder and food as dual purpose variety	One training for extension functionaries on spreading type of groundnut varieties was conducted
15	Forecasting of pest and diseases may be done more frequently	Scouting with department officials were done frequently to assess the pest & disease and disseminated through SMS. Forecasting of the pest & diseases through SMS done to the tune of 2000 SMS per month
17	Impact study for the FLDs and documentation may be done for outcome of the KVK activities	Under progress
18	Developing a young technocrats in each village may be planned	Developing para veterinarians has been approved with the assistance from NABARD
19	Comparative photographs for FLDs and OFTs should be included in reports	Photographs were taken to substantiate the results of FLDs & OFTs
20	Awareness about DMI, Valarum Velanmai, toll free call centres, Agriportal may be planned	Details about DMI, Valarum Velanmai, toll free call centres, Agriportal were given to the farmers during every training programmes
21	Awareness on new releases on varieties for this district should be done	The details about the new varieties are being published in newspapers & disseminated through SMS
22	Publications should be location specific	Location specific problems are being high lighted in the publications released by the KVK

PART II - DETAILS OF DISTRICT

2.1 Major farming systems/enterprises

S. No.	Farming system/enterprise
1.	Agriculture + Horticulture + Animal husbandry
2.	Horticulture + Animal husbandry
3.	Horticulture
4.	Agriculture + Animal husbandry
5.	Agriculture + Horticulture
6.	Animal husbandry
7.	Sericulture

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

Agro-climatic Zone : North western zone of Tamil Nadu

Characteristics
The North Western Zone comprising the revenue Districts of Dharmapuri, Krishnagiri,Salem and Namakkal (excluding Tiruchengode taluk) and Perambalur taluk of Perambalur District is situated between 11 and 12°55' north latitude and 77° 28' and 78° 50' east longitude. It is completely land locked, covering an area of 16,150 Sq.km. equivalent to 12.4 per cent of the State area.
Of the total geographic area of 17.31 lakh ha, 8.01 lakh ha (46.3%) are cultivated. The area under forest is 4.86 lakh ha. representing 28.1 per cent of the area. Barren land and cultivable waste represents 5.8 per cent of the total area
The climate in the zone ranges from semi arid to sub-humid with frequent occurrence of drought
The mean Annual Rainfall of the North Western Zone is 877.6 mm. The zone enjoys the rainfall from both South West and North East monsoon seasons. The contributions by Winter, Summer, South West and North East monsoon are 1.5, 17.5, 46.4 and 34.6 per cent respectively
The maximum temperature ranges from 20^{o}Cto 42°C and minimum from 10^{o}C to 31°C
The evapotranspiration is very high. The driest months are January and February

Characteristics
The major soil types occurring in the zone are 1) Red non-calcareous, 2) Red- Calcareous 3) Alluvial 4) Black soil 5) Hill soil 6) Forest soil 7) Saline/alkali soil. Of these major area comes under red non-calcareous and red calcareous soils. In the above major soil types, saline and alkali soil also occur in sizable proportion in the zone. Totally 1.7 lakh hectares of area is affected by high salinity and alkalinity. Out of this 0.2 lakh ha is under Non-Calcareous type and 1.5 lakh ha under calcareous type
Paddy (1.29 lakh ha), Sorghum (1.43 lakh ha), Finger millet (1 lakh ha), Little millet (0.45 lakh ha) Horse gram, Black gram, Red gram and Green gram. Among the oilseeds, Groundnut (2.11 lakh ha.), Sesame (0.21 lakh ha.), Sunflower (0.06 lakh ha.) and Castor (0.25 lakh ha.) Cotton (0.33 lakh ha) ,Sugarcane (0.45 lakh ha) The spices and condiments such as coriander, chillies, turmeric are being cultivated in small portions throughout the zone. Vegetables (0.24 lakh ha), Tapioca (0.59 lakh ha), Mango (39,680 ha). The other crops are : potato (0.25 lakh ha), banana (0.28 lakh ha) and onion (0.08 lakh ha)

S. No	Agro ecological situation	Characteristics
1.	**AES – I** (Krishnagiri, Veppanapalli, Bargur, Uthangarai and Mathur blocks)	Red soil, altitude 1000 – 2000 ft, well irrigated and rainfed
2.	**AES – II** (Kaveripattinam block)	Red soil, altitude 1000 – 2000 ft, canal irrigated
3.	**AES – III** (Hosur, Shoolagiri, Thally and Kelamangalam blocks)	Red soil, altitude 2000 – 3000 ft, well irrigated and rainfed

2.3 Soil type/s

Sl. No.	Soil types	Soil series	Characteristics								Area in ha
			Soil structure	Soil depth	Soil erosion	Soil colour	Calcareousness	CEC	Water holding capacity	Limitations	
1.	Sandy clay loam	Hosur series	Moderate coarse crumb	125 cm	Moderate	Dark brown to reddish brown	Non calcareous	Low	High	Erosion and run off	1,11,317
2.		Kelamangalam series	Strong coarse sub angular blocky	125 cm	Moderate	Brown to very dark greyish brown	Non calcareous	Low	Low	Soil wetness	10,863
3.	Sandy loam	Sonnepuram series	Strong medium sub angular blocky	128 cm	Moderate	Brown	Non calcareous	Medium	Low	Erosion , run off and alkalinity	8,342
4.		Mathagiri series	Moderate coarse crumb	191 cm	Moderate	Reddish brown to brown	Non calcareous	Low	Medium	Erosion and run off	7,834
5.		Krishnagiri series	Moderate medium sub angular blocky	102 cm	Slight	Greyish brown	Calcareous	Medium	Medium	Erosion and alkalinity	10,195
6.		Sulakkarai series	Weak medium sub angular blocky	32 cm	Slight	Dark brown to very dark grey	Calcareous	Low	Low	Erosion	2,833
7.		Thoppur series	Weak fine to medium crumb	180 cm	Moderate	Dark brown	Calcareous	Low	Medium	Erosion , run off and alkalinity	4,276
8.	Loamy sand	Vannapatti series	Weak fine crumb	45 cm	Moderate	Yellowish red to red	Non calcareous	Medium	Low	Moderate erosion, shallow depth	1,39,329
9.		Salem series	Weak fine to medium crumb	80 cm	Moderate	Dark reddish brown	Non calcareous	Low	Low	Erosion	4,163
10.	Silty clay loam	Harur series	Moderate medium sub angular blocky	98 cm	Slight	Dark brown to dark greyish brown	Calcareous	Medium	High	Erosion , run off and alkalinity	4,209
11.	Forest and hills	-	-	-	High	Dark brown to very dark brown	-	-	-	-	2,06,278
12.	Water bodies etc	-	-	-	-	Reddish brown to brown	-	-	-	-	934

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	28346	107176	3781
2.	Sorghum	12765	20104	1575
3.	Finger millet	55275	107288	1948
4.	Little millet	1181	3069	2599
5.	Pearl millet	2557	2112	826
6.	Maize	2485	10287	4140
7.	Horse gram	23497	11184	426
8.	Red gram	15518	9528	614
9.	Green gram	1853	839	453
10.	Black gram	3875	226	585
11.	Ground nut	27026	48133	1781
12.	Sesame	1761	635	361
13.	Cotton	656	1271	195
14.	Banana	620	30419	49063
15.	Mango	35450	274170	7734
16.	Chillies	422	212	503
17.	Brinjal	474	3773	7960
18.	Tomato	2744	54594	19896
19.	Cabbage	781	48540	62151
20.	Coconut	14485	1.490 crore nut	1.293 nut/ha
21	Sugarcane	742	48230	65000

Source: Joint Director of Agriculture, Krishnagiri

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)	
		Maximum	Minimum	Morning	Evening
April 10	5.8	35.1	22.0	96.2	32.0
May 10	272.2	33.7	22.5	90.9	31.6
June 10	50.4	34.0	25.5	88.0	40.1
July 10	167.4	33.2	26.0	76.0	48.2
August 10	140.0	34.0	22.9	85.0	55.1
September 10	40.2	34.0	22.0	92.2	54.2
October 10	84.8	34.4	25.1	93.0	51.0
November 10	296.7	34.0	21.0	96.0	51.0
December 10	20.8	32.0	20.1	95.0	47.0
January 11	-	31.2	18.0	93.7	29.0
February11	8.5	32.1	18.2	92.9	23.7
March 11	-	33.5	19.5	89.0	26.0

Source: Regional Research Station, Paiyur, Krishnagiri

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

Category	Population	Production	Productivity
Cattle			
Crossbred	262829	225.168 t tons	1600 lit/annum
Indigenous	100434	123.377 t tons	600 lit/annum
Buffalo	18051	120.157 t tons	1200 lit/annum
Sheep			
Crossbred	29993	371.952 tons	20 kg b.wt
Indigenous	341887	456.258 tons	14 kg b.wt
Goats	154809	220.122 tons	14 kg b.wt
Pigs			
Crossbred	-	-	-
Indigenous	4064	580.167 tons	60 – 70 kg b.wt
Rabbits	900	50.621 tons	1 – 2 kg b.wt
Poultry			
Hens	309034	-	-
Desi	2181895	458.39 lakh eggs	160 – 180 eggs
Improved	58769	863.90 lakh eggs	300 – 310 eggs
Ducks	190	28891.5 eggs	215 eggs
Turkey and others	768 & 3970	42084 & 133859 eggs	80 eggs & 45 eggs

Source :VUTRC- Gundalpatti, Dharmapuri

Category	Area	Production	Productivity
Fish			
Marine	**-**	**-**	**-**
Inland	2246 ha	307.981 tonnes	0.1371 tonnes
Prawn	**-**	**-**	**-**
Scampi	**-**	**-**	**-**
Shrimp	**-**	**-**	**-**

Source: Source Asst Director of Fisheries- Krishnagiri

2.7 District profile has been prepared and submitted : Yes

2.8 Details of Operational area/village :

Sl. No.	Taluk	Block	Name of villages	How long the village is covered under operational area of the KVK (yrs)	Major crops & enterprises being practiced	Major problems identified	Identified thrust areas
1	Krishnagiri	Krishnagiri	Kammampalli	3	Banana	Improper Nutrient Management	Nutrient management
						Poor quality of fruits due to thrips	Pest Management
					Vegetable	Post harvest loss	Post harvest Management
			Ennekolpudhur	1	Onion	High cost seed material	Evaluation of propagating material
					Tomato	Incidence of wilts	Popularization of hybrid
			Kalliyur	3	Fodder	Unavailability of fodder with balanced nutrition	Popularization of Fodder bank
					French bean	Incidences of mosaic	Popularization of variety
			Thinnakalani	1	Brinjal	Incidence of shoot and fruit borer	Pest Management
		Kaveripattinam	Thatrahalli	3	Mango	Improper Nutrient Management	Nutrient management
			Karuthamaram--patti	1		Incidence of fruitfly	Pest Management
2	Pochampalli	Kaveripattinam	Pannanthur	2	Redgram	Poor crop establishment	Crop management
					Paddy	Low yield from existing varieties under conventional method of planting	Popularization of rice hybrid under SRI
					Poultry	Low income from conventional backyard poultry rearing	Breeding manangement
		Bargur	Perugopanapalli	4	Jasmine	Improper Nutrient Management	Nutrient management
					Mango		

3	Uthangarai	Mathur	Valipatti	2	Turmeric	Incidence of rhizome rot	Disease management
						Drudgery and low income and quality from conventional method of boiling	Farm mechanization
4	Hosur	Shoolagiri	Ettipalli	1	Ragi	Low yield from existing varieties	Evaluation of high yielding varieties
					Samai	Low yield from existing varieties	
					Sprinkler	Less availability of water during critical stages of crop	Irrigation management
			Periyaalangiri	1	Brinjal	Low yield and high incidence of shoot and fruit borer	Evaluation of hybrids
			Devasanapalli	2	Lablab	High cost of construction of bower	Evaluation of hybrids
					Wheat	Low land utilization between crops	Crop intensification
			Beerpalli	1	Banana	Incidence of pseudo stem weevil	Pest Management
			Samanapalli	1	Paddy	High cost of planting of paddy	Farm Mechanization
		Hosur	Venkatarayapuram	1		High incidence of BPH & blast	Popularization of varieties

2.9 Priority thrust areas

S. No	Thrust area
1	Nutrient management
2	Pest & Disease Management
3	Farm mechanization
4	Breeding management
5	Crop management & intensification
6	Popularization of varieties
7	Evaluation of hybrids
8	Post harvest Management

PART III – TECHNICAL ACHIEVEMENTS

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

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
8	8	45	45	18	18	220	220

Training				Extension Activities			
3				4			
Number of Courses		Number of Participants		Number of activities		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
105	105	2258	2258	689	689	7935	7935

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

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

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

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
													No.	Kg
1.	Popularization of rice hybrid under SRI	Paddy	Low yield from existing varieties under conventional method of planting	-	Cultivation of Rice hybrid under SRI method	6	-	-	1	0.8	-	-	-	-
2	Popularization of varieties		High incidence of blast	-	Cultivation of CO 49	4	-	-	1	0.3	-	-	-	-
3	Farm Mechanization		High cost of planting of paddy	-	Mechanization in paddy cultivation	4	-	-	1	-	-	-	-	-
4	Evaluation of high yielding varieties	Ragi	Low yield from existing varieties	Assessment on performance of ragi varieties	-	4	-	1	-	0.3	-	-	-	-
5		Samai		Assessment on performance of Samai varieties	-	-	-	-	-	0.3	-	-	-	-
6	Crop intensification	Wheat	Low land utilization between crops	-	Popularization of COW(W)1	2	-	-	1	2	-	-	-	-

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
7	Crop management	Redgram	Poor crop establish--ment	Assessment of planting methods in redgram	-	-	-	-	-	0.03	-	-	-	-
8	Nutrient management	Mango	Improper Nutrient Management	Evaluation of foliar nutrition in mango	-	1	-	-	-	-	-	-	-	-
9				-	Nutrient management in Mango	3	-	1	-	-	-	-	-	-
10	Pest Management		Incidence of fruitfly	-	Management of fruitfly in Mango	5	-	-	-	-	-	-	-	-
11	Pest Management	Banana	Incidence of pseudo stem weevil	Management of Pseudo stem weevil of banana	-	4	-	-	-	-	-	-	-	-
12	Nutrient management		Improper Nutrient Management	-	Nutrient Management in Banana	4	-	-	1	-	-	-	-	-
13	Pest Management		Poor quality due to thrips	-	Popularization of banana bunch cover	-	-	-	1	-	-	-	-	-
14	Popularization of hybrid	Tomato	Incidence of wilt	-	Popularization of Arka Ananya	4	-	-	1	0.002	-	-	-	-

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
15	Evaluation of hybrids	Brinjal	Low yield & highncidence of shoot & fruit borer	Assessment on the perfor mance of brinjal hybrids	-	2	-	-	-	-	-	-	-	-
16	Pest Management		Incidence of shoot and fruit borer	-	Management of fruit & shoot borer in brinjal	1	-	-	-	-	-	-	-	-
17	Evaluation of hybrids	Lablab	High cost of construction of bower	Assessment of bush type vegetable lablab	-	1	-	-	-	-	-	-	-	-
18	Popularization of variety	French bean	Incidence of mosaic	-	Popularization of Hybrid Arka Anoop	-	-	-	1	0.6	-	-	-	-
19	Evaluation of propagating material	Onion	High cost seed material	-	Popularization of seed propagated variety CO(On) 5 with agronomic practices	1	-	-	-	0.05	-	-	-	-
20	Post harvest Management	Vegetable	Post harvest loss	-	Popularization of portable vegetable preservator (CRIDA)	3	-	-	1	-	-	-	-	-
21	Disease management	Turmeric	Incidence of rhizome rot	-	Mgt. of rhizo me rot using bio agent	4	-	-	1	-	-	-	-	-

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
22	Farm mechanization	Turmeric	Drudgery & low income & quality from conventional method of boiling	-	Improved turmeric boiler	1	-	-	1	-	-	-	-	-
23	Nutrient management	Jasmine	Improper Nutrient Management	Foliar nutrition in jasmine for higher productivity	-	2	-	-	-	-	-	-	-	-
24	Popularization of Fodder bank	Fodder	Unavailability of fodder with balanced nutrition	-	Popularization of Fodder Bank	-	-	-	-	0.08	2500 slips	-	-	-
25	Breeding manangement	Poultry	Low income from conventional backyard poultry rearing	-	Popularization of Community owned Small scale Incubator	-	-	-	-	-	-	-	-	-
26	Irrigation management	Irrigation	Less availability of water during critical stages of crop	-	Popularization of mini portable sprinkler	6	-	-	-	-	-	-	-	-
27	Integrated Crop management	Cotton	Poor crop management	-	Integrated Crop Management	2	-	1	1	-	-	-	-	-

3. B2. Details of technology used during reporting period

S. No	Title of Technology	Source of technology	Crop/enterprise	No. of programmes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
1	Cultivation of Rice hybrid under SRI method	TNAU	Paddy	-	1	6	Field day
2	Cultivation of CO 49	TNAU	Paddy	-	1	4	Field day
3	Mechanization in paddy cultivation	TNAU	Paddy	-	1	4	Field day
4	Assessment on performance of ragi varieties	TNAU	Ragi	1	-	5	-
5	Assessment on performance of Samai varieties	TNAU	Samai	1	-	-	-
6	Popularization of COW(W)1	TNAU	Wheat	-	1	2	Field day
7	Assessment of planting methods in redgram	TNAU	Redgram	1	-	-	-
8	Evaluation of foliar nutrition in mango	IIHR	Mango	1	-	1	Ongoing
9	Nutrient management in Mango	IIHR	Mango	-	1	4	Ongoing
10	Management of fruitfly in Mango	IIHR	Mango	-	1	5	Ongoing
11	Management of Pseudo stem weevil of banana	NRCB	Banana	1	-	4	Ongoing
12	Nutrient Management in Banana	IIHR	Banana	-	1	4	Field day

S. No	Title of Technology	Source of technology	Crop/enterprise	No. of programmes conducted			
				OFT	FLD	Training	Others (Specify)
13	Popularization of banana bunch cover	TNAU	Banana	-	1	-	Field day
14	Popularization of Arka Ananya	IIHR	Tomato	-	1	4	Field day
15	Assessment on the performance of brinjal hybrids	IIHR	Brinjal	1	-	2	-
16	Management of fruit & shoot borer in brinjal	TNAU	Brinjal	-	1	1	Ongoing
17	Assessment of bush type vegetable lablab	IIHR & TNAU	Lablab	1	-	1	-
18	Popularization of Hybrid Arka Anoop	IIHR	French bean	-	1	-	Field day
19	Popularization of seed propagated variety CO(On) 5 with agronomic practices	TNAU	Onion	-	1	1	Ongoing
20	Popularization of portable vegetable preservator (CRIDA)	CRIDA	Vegetable	-	1	3	Field day
21	Management of rhizome rot using bio agent	TNAU	Turmeric	-	1	4	Field day
22	Improved turmeric boiler	TNAU	Turmeric	-	1	1	Field day
23	Foliar nutrition in jasmine for higher productivity	TNAU	Jasmine	1	-	2	-
24	Popularization of Fodder Bank	TNAU	Fodder	-	1	-	Ongoing
25	Popularization of Community owned Small scale Incubator	TANUVAS	Poultry	-	1	-	Ongoing
26	Popularization of mini portable sprinkler	TNAU	Irrigation	-	1	6	Ongoing
27	Integrated Crop Management in Cotton	TNAU	Cotton	-	1	3	Field day

3. B2 contd..

	No. of farmers covered															
	OFT				FLD				Training				Others (Specify)			
	General		SC/ST		General		SC/ST		General		SC/ST		General		SC/ST	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	-	-	-	-	20	-	-	-	103	18	5	19	20	5	-	-
2	10	-	-	-	-	-	-	-	40	23	1	-	21	3	-	-
3	20	-	-	-	5	-	-	-	54	4	-	-	18	4	-	-
4	5	-	-	-	-	-	-	-	70	-	11	4	-	-	-	-
5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	10	-	-	-	15	16	-	-	25	-	-	-
7	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	5	-	-	-	-	-	-	-	5	8	1	7	-	-	-	-
9	-	-	-	-	5	-	-	-	106	10	-	-	-	-	-	-
10	-	-	-	-	7	3	-	-	57	45	-	-	-	-	-	-
11	5	-	-	-	-		-	-	65	2	10	-	19	3	-	-
12	-	-	-	-	7	2	-	-	48	15	-	-	20	1	-	-
13	-	-	-	-	8	2	-	-	-		20	-	18	5	-	-
14	-	-	-	-	10	-	-	-	62	2	-	-	-	-	-	-
15	5	-	-	-	-	-	-	-	30	9	-	-	-	-	-	-
16	-	-	-	-	5	-	-	-	19	-	-	-	-	-	-	-
17	5	-	-	-	-	-	-	-	20	-	-	-	-	-	-	-
18	-	-	-	-	10	-	-	-	-	-	-	-	20	4	-	-
19	-	-	-	-	10	-	-	-	13	7	-	-	18	7	-	-
20	-	-	-	-	-	10	-	-	4	52	-	19	-	20	-	-
21	-	-	-	-	17	7	-	1	54	10	-	1	15	4	-	-
22	-	-	-	-	17	7	-	1	18	2	-	-	15	4	-	-
23	10	-	-	-	-	-	-	-	40	-	-	-	-	-	-	-
24	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	10	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	20	-	-	-	74	20	1	5	-	-	-	-
27	-	-	-	-	9	1	1	1	38	3	3	-	27	2	1	-

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	-	-	2
Varietal Evaluation	2	-	-	-	2	-	-	-	-	4
Integrated Pest Management		-	-	-	-	1	-	-	-	1
Integrated Crop Management	1	-	-	-	-	-	-	-	-	1
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	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**3**	-	-	-	**2**	**2**	**1**	-	-	**8**

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-

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

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

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

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

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	NO FARMERS	No. of trials	Area (ha)
Integrated Nutrient Management	Jasmine	Foliar nutrition in jasmine for higher productivity	10	10	1000 plants
	Mango	Evaluation of foliar nutrition in mango	5	5	1
Varietal Evaluation	Brinjal	Assessment **o**n the performance of brinjal hybrids	5	5	1
	Lablab	Assessment of bush type vegetable lablab	5	5	1
	Ragi	Assessment on performance of ragi varieties	5	5	1
	Samai	Assessment on performance of Samai varieties	5	5	1
Integrated Pest Management	Banana	Management of Pseudo stem weevil of banana	5	5	1
Integrated Crop Management	Redgram	Assessment of planting methods in redgram	5	5	1
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				**45**	**7 + 1000 plants**

4.B.2. Technologies Refined under various Crops

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

TOTAL	**-**	**-**

4.B.3. Technologies assessed under Livestock

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.4. Technologies Refined under Livestock

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.C1. Results of Technologies Assessed

OFT 1: ASSESSMENT ON PERFORMANCE OF RAGI VARIETIES

1	Crop/ enterprise	Ragi		
2	Farming situation	Rainfed		
3	Problem definition	Low yield in existing Ragi variety (GPU – 28). Ruling Ragi variety, GPU-28 is being cultivated for the past 30 years. Because of the repeated cultivation the potential yield is not realized. Hence the suitability, yield and quality of varieties L – 5 was compared with Paiyur (Ra) – 2.		
4	Title of OFT	Assessment on performance of Ragi varieties		
5	No. of trials	5		
6	Technology Assessed	Cultivation of Ragi L5, Paiyur 2		
7&8	**Parameters of assessment & Data on the parameter**			
	Parameter	**TO 1**	**TO 2**	**TO 3**
	Plant population / m^2	31	35	33
	No. of productive tillers / plant	5	7	6
	No. of fingers / tiller	5	7	6
	Yield (q/ha)	220.0	245.3	233.5
9	Results of assessment	• The population / m^2 was highest in Paiyur (Ra) 2 (35) compared to GPU 28 (31) & L 5 (33). • The productive tillers/plant & No. of fingers/tiller was also highest in Paiyur (Ra) 2 compared to GPU 28. • Highest yield was obtained in Paiyur (Ra) 2 (245.3 q/ha) compared to GPU 28 (220.0 q/ha) & L 5 (233.5 q/ha).		
10	Feedback from the farmer	Incidence of leaf blast & neck blast is low in ragi variety Paiyur 2 compared to L5 & GPU 28. Cultivation of Ragi variety Paiyur 2 recorded higher yield, gross return, net return & BC ratio compared to L5 & GPU 28.		
11	Any refinement done	-		
12	Justification for refinement	-		

Technology Assessed	Source of technology	Production	Unit	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice) Cultivation of Ragi GPU 28	UAS, Bangalore	2200	q/ha	5,767	1.54
Technology option 2 Cultivation of Paiyur (Ra) 2	TNAU	2453	q/ha	7,364	1.67
Technology option 3 Cultivation of Ragi L5	UAS, Bangalore	2335	q/ha	6,555	1.60

4.C2. Details of On Farm Trial:

1. Title of Technology assessed : Assessment on performance of Ragi varieties
2. Problem definition : Low yield in existing Ragi variety (GPU-28). Ruling Ragi variety, GPU-28 is being cultivated for the past 30 years. Because of the repeated cultivation the potential yield is not realized. Hence the suitability, yield and quality of varieties L-5 was compared with Paiyur (Ra)-2.
3. Details of technologies for assessment :
4. Source of technology

Category	Source of technology	Technology details
Technology option 1 (Farmer's practice)	UAS, Bangalore	Cultivation of Ragi GPU 28
Technology option 2	TNAU	Cultivation of Paiyur (Ra) 2
Technology option 3	UAS, Bangalore	Cultivation of Ragi L5

5. Production system & Thematic area : Agriculture & Assessment the performance of varieties

6. **Performance of the technology with performance indicator :**

S. No.	Name of the farmer	Plant population/m^2			No. of productive tillers/plant		
		TO 1	TO 2	TO 3	TO 1	TO 2	TO 3
1.	Mr. S. Srinivasan	32	34	32	5	8	7
2.	Mr. G.Basappa	30	34	33	4	6	6
3.	Mr. S. Govindan	30	35	33	4	7	7
4.	Mr. M. Narayannan	32	35	33	5	6	5
5.	Mr. M. Krishnappa	31	35	32	5	7	6
Average		**31**	**35**	**33**	**5**	**7**	**6**

S. No	Name of the farmer	No. of fingers / tiller			Yield (kg/ha)			B:C Ratio		
		TO 1	TO 2	TO 3	TO 1	TO 2	TO 3	TO 1	TO 2	TO 3
1.	Mr. S. Srinivasan	5	8	7	2205	2465	2350	1.53	1.67	1.60
2.	Mr. G.Basappa	4	6	5	2195	2455	2328	1.56	1.67	1.61
3.	Mr. S. Govindan	4	7	6	2188	2450	2338	1.52	1.66	1.59
4.	Mr. M. Narayannan	5	6	5	2210	2445	2343	1.55	1.67	1.61
5.	Mr. M. Krishnappa	5	6	5	2200	2448	2318	1.53	1.66	1.58
Average		**5**	**7**	**6**	**2200**	**2453**	**2335**	**1.54**	**1.67**	**1.60**

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

Matrix scoring

S. No.	Name of the farmer	Technological Option 1	Technological Option 2	Technological Option 3
1	Mr. S. Srinivasan	1	4	3
2	Mr. G.Basappa	1	3	2
3	Mr. S. Govindan	1	4	3
4	Mr. M. Narayannan	2	4	3
5	Mr. M. Krishnappa	1	4	3
Average		**1.2**	**3.8**	**2.8**

Scoring : 1 – Not good, 2 – Good, 3 – Better, 4 – Best.

The matrix scoring by the farmers regarding the technological options showed that the assessed technology i.e., Cultivation of Paiyur (Ra) – 2 is found to be best as perceived by the farmer with a scoring of 3.8 out of 4.

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

Paiyur (Ra) – 2 is the suitable ragi variety for krishnagiri district.

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

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

Cultivation of ragi variety Paiyur (Ra) – 2 is suitable for shoolagiri block. The seeds may be produced by the farmers for their future use.

OFT 2: ASSESSMENT ON PERFORMANCE OF SAMAI VARIETIES

1	Crop/ enterprise	Samai		
2	Farming situation	Rainfed		
3	Problem definition	Because of the repeated cultivation the potential yield is not realized. Hence this OFT was conducted to assess the suitability, yield and quality of latest variety CO (Samai) 4 compared to Paiyur (Samai) 2.		
4	Title of OFT	Assessment on performance of Samai varieties		
5	No. of trials	5		
6	Technology Assessed	Cultivation of Samai CO 4, Paiyur (Samai) 2		
7&8	**Parameters of assessment & Data on the parameter**			
	Parameter	**TO 1**	**TO 2**	**TO 3**
	Yield (q/ha)	8.60	9.03	10.27
	B:C ratio	1.33	1.39	1.58
9	Results of assessment	• Highest yield was obtained in CO (Samai) 4 (10.27 q/ha) compared to Paiyur (Samai) 2 (9.03 q/ha) & local non descript check (8.60 q/ha). • Highest BC Ratio was obtained in CO (Samai) 4 (1.58) compared to Paiyur (Samai) 2 (1.39) & local non descript check (1.33).		
10	Feedback from the farmer	Cultivation of samai variety CO 4 recorded higher yield and net return compared to Paiyur 2		
11	Any refinement done	-		
12	Justification for refinement	-		

Technology Assessed	**Source of technology**	**Production**	**Unit**	**Net Return (Profit) in Rs. / unit**	**BC Ratio**
13	14	15	16	17	18
Technology option 1 (Farmer's practice) Cultivation of non descript varieties	-	8.60	q/ha	1480	1.33
Technology option 2 Cultivation of Paiyur (Samai)2	TNAU	9.03	q/ha	1781	1.39
Technology option 3	TNAU	10.27	q/ha	2649	1.58

Cultivation of CO (Samai) 4					

4.C2. Details of On Farm Trial:

1. Title of Technology assessed : Assessment on performance of Samai varieties
2. Problem definition : Because of the repeated cultivation the potential yield is not realized. Hence this OFT was conducted to assess the suitability, yield and quality of latest variety CO (Samai) 4 compared to Paiyur (Samai) 2.
3. Details of technologies for assessment :
4. Source of technology

Category	Source of technology	Technology details
Technology option 1 (Farmer's practice)	-	Cultivation of Samai Paiyur 1
Technology option 2	TNAU	Cultivation of Samai Paiyur 2
Technology option 3	TNAU	Cultivation of Samai CO 4

5. Production system & Thematic area : Agriculture & Assessing the performance of varieties
6. **Performance of the technology with performance indicator :**

S. No.	Name of the farmer	Yield (q/ha)			BC Ratio		
		TO 1	TO 2	TO 3	TO 1	TO 2	TO 3
1.	Mr. S. Sivakumar	875	940	1055	1.35	1.45	1.63
2.	Mr. B. Munusamy	865	920	1050	1.33	1.42	1.62
3.	Mr. R. Krishnachaari	850	875	1020	1.31	1.35	1.57
4.	Mr. M. Narayannan	845	880	1000	1.30	1.36	1.54
5.	Mr. M. Krishnappa	865	900	1010	1.33	1.39	1.56

Average	**860**	**903**	**1027**	**1.33**	**1.39**	**1.58**

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

Matrix scoring

S. No.	Name of the farmer	Technological Option 1	Technological Option 2	Technological Option 3
1	Mr. S. Sivakumar	1	3	4
2	Mr. B. Munusamy	1	2	3
3	Mr. R. Krishnachaari	2	3	4
4	Mr. M. Narayannan	1	3	4
5	Mr. M. Krishnappa	1	2	3
Average		**1.2**	**2.6**	**3.6**

Scoring : 1 – Not good, 2 – Good, 3 – Better, 4 – Best.

The matrix scoring by the farmers regarding the technological options showed that the assessed technology i.e., Cultivation of CO (Samai) – 4 is found to be best as perceived by the farmer with a scoring of 3.6 out of 4.

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

CO (Samai) 4 is the suitable samai variety for krishnagiri district.

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

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

Cultivation of Samai variety Co 4 is suitable for shoolagiri block. The seeds may be produced by the farmers and certified by the state department and it may be used for their future use.

OFT 3: ASSESSMENT ON PLANTING METHODS IN REDGRAM

1	Crop/ enterprise	Redgram	
2	Farming situation	Rainfed	
3	Problem definition	Poor establishment and weed menace in early stage. Optimum plant population and less number of weed infestation in early stage of the crop plays major role in increasing the yield.	
4	Title of OFT	Assessment on planting methods in Redgram	
5	No. of trials	5	
6	Technology Assessed	Assessment of planting methods in redgram	
7&8	**Parameters of assessment & Data on the parameter**		
	Parameter	**FP**	**TO 1**
	Yield (q/ha)	7.69	9.26
	BC Ratio	2.34	2.57
9	Results of assessment	• Highest yield was obtained in transplanting method (9.26 q/ha) compared to dibbling method (7.69q/ha). • Highest BC Ratio was obtained in in transplanting method (2.57) compared to dibbling method (2.34).	
10	Feedback from the farmer	Under transplanting method duration of the crop is reduced by 10 days. The increase in yield may be contributed by drought tolerance imported by $Cacl_2$ treatment and higher establishment under transplanting.	
11	Any refinement done	-	
12	Justification for refinement	-	

Technology Assessed	Source of technology	Production	Unit	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice) Broadcasting of seeds/ Dibbling in the furrows	-	769	Kg/ha	17600	2.34
Technology option 2 Raising seedling in polythene bag transplanting at 30-40 days	UAS, Dharwad	926	Kg/ha	22590	2.57

4.C2. Details of On Farm Trial:

1. Title of Technology assessed : Assessment on planting methods in Redgram
2. Problem definition : Poor establishment and weed menance in early stage. Optimum plant population and less number of weed infestation in early stage of the crop major role in increasing the yield.
3. Details of technologies for assessment :
4. Source of technology

Category	Source of technology	Technology details
Technology option 1 (Farmer's practice)	-	Broadcasting of seeds/ dibbling in furrows
Technology option 2	UAS, Dharwad	Raising seedlings in polythene bag and transplanting at 30-40 days

5. Production system & Thematic area : Agriculture & Assessing the planting method
6. **Performance of the technology with performance indicator :**

S. No.	Name of the farmer	BC Ratio			
		TO 1	**TO 2**	**TO 1**	**TO 2**
1.	Mr. P.V. Vadivel	745	930	2.32	2.50
2.	Mr. R. Selvaraj	790	925	2.32	2.66
3.	Mr. K. Chinnasaamy	775	920	2.36	2.65
4.	Mr. V. Sivalingam	750	910	2.29	2.48
5.	Mr. R. Palanivasan	785	945	2.40	2.54
Average		**769**	**926**	**2.34**	**2.57**

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

Matrix scoring

S. No.	Name of the farmer	Technological Option 1	Technological Option 2
1	Mr. P.V. Vadivel	1	2
2	Mr. R. Selvaraj	2	3
3	Mr. K. Chinnasaamy	1	2
4	Mr. V. Sivalingam	1	2
5	Mr. R. Palanivasan	1	4
Average		**1.2**	**2.6**

Scoring : 1 – Not good, 2 – Good, 3 – Better, 4 – Best.

The matrix scoring by the farmers regarding the technological options showed that the assessed technology i.e., Transplanting method was found to be best as perceived by the farmer with a scoring of 2.6 out of 4.

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

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

More labour is required for preparation of nursery and transplanting.

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

Farmers were interested in adopting the latest technology as it is giving more profit compared to conventional method of planting.

OFT 4: ASSESSMENT ON PERFORMANCE OF BRINJAL HYBRIDS

1	Crop/ enterprise	Brinjal		
2	Farming situation	Irrigated		
3	Problem definition	Among several reasons for the low productivity of brinjal losses caused due to shoot & fruit borer was found to be even 80%. By virtue of their high adoptability the spread of pest is very high. Even after repeated spray of pesticides cannot control this pest. The widely cultivated hybrid sungro is susceptible to shoot & fruit borer. This hybrid is widely cultivated for its preference in kerala market & higher yield. Hence brinjal hybrid with similar character of sungro with resistance to shoot & fruit borer was assessed		
4	Title of OFT	Assessment on performance of Brinjal hybrids		
5	No. of trials	5		
6	Technology Assessed	Comparison on the performance of Arka Ananth and PPI -1		
7&8	**Parameters of assessment & Data on the parameter**			
	Parameter	**TO 1**	**TO 2**	**TO 3**
	% shoots damage	14.88	10.36	10.98
	% fruits damage	20.44	15.38	16.14
	Yield (t/ha)	51.80	47.31	55.86
9	Results of assessment	• The incidence of shoot & fruit borer was highest in sungro followed by Arka Ananth and the lowest was recorded in PPI 1 • The average per plant yield was highest in sungro followed by Arka Ananth and PPI 1 • But yield per hectare was highest in Arka Ananth followed by sungro and PPI 1 • More yield in sungro was contributed by higher per plant yield • The net return and B:C ratio was highest in Arka Ananth		
10	Feedback from the farmer	The availability of seeds of Arka Ananth & PPI 1 is difficult. Hence other hybrids available in market may be assessed for the resistance shoot & fruit borer		
11	Any refinement done	-		
12	Justification for refinement	-		

Technology Assessed	Source of technology	Production	Unit	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice) Cultivation of brinjal hybrid Sungro Green Long susceptible to pest and diseases	-	51.80	t/ha	67,570	2.09
Technology option 2 Cultivation of PPI -1	TNAU	47.31	t/ha	62,560	2.14
Technology option 3 Comparison on the performance of Arka Ananth	IIHR	55.86	t/ha	81,790	2.42

4.C2. Details of On Farm Trial:

1. Title of Technology assessed : Assessment on performance of Brinjal hybrids
2. Problem definition : Among several reasons for the low productivity of brinjal losses caused due to shoot & fruit borer was found to be even 80 % By virtue of their high adoptability the spread of pest is very high. Even after repeated spray of pesticides cannot control this pest. The widely cultivated hybrid sungro is susceptible to shoot & fruit borer. This hybrid is widely cultivated for its preference in kerala market & higher yield. Hence brinjal hybrid with similar character of sungro with resistance to shoot & fruit borer was assessed
3. Details of technologies for assessment :

4. Source of technology

Category	Source of technology	Technology details
Technology option 1 (Farmer's practice)	-	Cultivation of brinjal hybrid Sungro Green Long susceptible to pest and diseases
Technology option 2	TNAU	Cultivation of PPI -1
Technology option 3	IIHR	Comparison on the performance of Arka Ananth

5. Production system & Thematic area : Horticulture & Assessing the performance of hybrids

6. **Performance of the technology with performance indicator :**

S. No.	Name of the farmer	% Shoots damage			% fruits damage		
		TO 1	**TO 2**	**TO 3**	**TO 1**	**TO 2**	**TO 3**
1.	Mr. Bellappa	14.6	10.5	11.5	20.3	15.8	16.7
2.	Mr. Basappa	15.8	9.98	10.8	20.2	14.9	16.9
3.	Mr. Durvasan	15.3	10.3	10.6	20.6	15.3	15.9
4.	Mr. S. Basappa	14.9	10.4	11.8	19.8	15.7	15.8
5.	Mr. S. Krishnan	13.8	10.6	10.2	21.3	15.2	15.4
Average		**14.88**	**10.36**	**10.98**	**20.44**	**15.38**	**16.14**

S. No	Name of the farmer	Yield (t/ha)			B:C Ratio		
		TO 1	**TO 2**	**TO 3**	**TO 1**	**TO 2**	**TO 3**
1.	Mr. Bellappa	53.20	48.60	57.30	2.25	2.35	2.60
2.	Mr. Basappa	52.40	47.4	56.38	2.09	2.12	2.43
3.	Mr. Durvasan	53.10	47.85	54.85	2.09	2.21	2.35
4.	Mr. S. Basappa	50.55	47.10	55.40	2.10	2.09	2.36
5.	Mr. S. Krishnan	49.75	45.60	54.97	2.03	2.00	2.34
Average		51.80	47.31	55.86	2.09	2.14	2.42

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

Matrix scoring

S. No.	Name of the farmer	Technological Option 1	Technological Option 2	Technological Option 3
1	Mr. Bellappa	2	3	4
2	Mr. Basappa	3	2	4
3	Mr. Durvasan	1	2	3
4	Mr. S. Basappa	2	3	4
5	Mr. S. Krishnan	3	2	4
Average		**2.2**	**2.4**	**3.8**

Scoring : 1 – Not good, 2 – Good, 3 – Better, 4 – Best.

The matrix scoring by the farmers regarding the technological options showed that the assessed technology i.e., Cultivation of brinjal hybrid Arka Ananth is found to be best as perceived by the farmer with a scoring of 3.8 out of 4.

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

Arka Ananth, is the suitable brinjal Hybrid for the areas affected by shoot and fruit borer.

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

Shoot & fruit borer was invariably seen in all hybrids. The crop duration differs among various hybrids and hence it was not able to assess the yield accurately. And hence further study is required including more hybrids.

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

The availability of seeds of PPI 1 and Arka Ananth is difficult. Hence other hybrids available in market may be assessed for the resistance for shoot and fruit borer.

OFT 5: ASSESSMENT OF BUSH TYPE VEGETABLE LAB LAB

1	Crop/ enterprise	Vegetable Lab lab		
2	Farming situation	Irrigated		
3	Problem definition	The higher cost of construction of bower for the cultivation of local pandal type lab lab reduces the income. Hence bush type varieties suitable to different photo periodic situations which leads to higher income was assessed.		
4	Title of OFT	Assessment of bush type Vegetable lab lab		
5	No. of trials	5		
6	Technology Assessed	Cultivation of bush lablab Arka Jay & CO (Gb) 14		
7&8	**Parameters of assessment & Data on the parameter**			
	Parameter	**TO 1**	**TO 2**	**TO 3**
	Yield (t/ha)	6.81	8.04	8.99
	BC Ratio	1.85	3.88	4.25
9	Results of assessment	• Yield per hectare was higher in Arka Jay than FP(Selection type) • The net return and B:C ratio was highest in Arka Jay.		
10	Feedback from the farmer	The higher returns was obtained in the bust type lab lab especially Arka Jay due to the reduction in cost of cultivation particularly on bower construction.		
11	Any refinement done	-		
12	Justification for refinement	-		

Technology Assessed	Source of technology	Production	Unit	Net Return (Profit) in Rs. / unit	BC Ratio
13		14	15	16	17
Technology option 1 (Farmer's practice) Cultivation of vegetable lablab (local non descript vine type) in bower system	-	6.81	t/ha	46,720	1.85
Technology option 2 Cultivation of bush lablab CO (Gb) 14	TNAU	8.04	t/ha	91,370	3.88
Technology option 3 Cultivation of bush lablab Arka Jay	IIHR	8.99	t/ha	1,03,100	4.25

4.C2. Details of On Farm Trial:

1. Title of Technology assessed : Assessment of bush type Vegetable lab lab
2. Problem definition : The higher cost of construction of bower for the cultivation of local pandal type lab lab reduces the income. Hence bush type varieties suitable to different photo periodic situations which leads to higher income was assessed.
3. Details of technologies for assessment :
4. Source of technology

Category	Source of technology	Technology details
Technology option 1 (Farmer's practice)	-	Cultivation of vegetable lablab (local non descript vine type) in bower system
Technology option 2	TNAU	
Technology option 3	IIHR	Cultivation of bush lablab Arka Jay & CO 14

5. Production system & Thematic area : Horticulture & Assessing the performance of varieties
6. **Performance of the technology with performance indicator :**

S. No	Name of the farmer	Yield (t/ha)			B:C Ratio		
		TO 1	TO 2	TO 3	TO 1	TO 2	TO 3
1.	Mr. Raman	6.70	7.20	8.30	1.78	3.91	4.01
2.	Mr. Shankar	7.20	8.10	8.90	1.95	3.94	4.31
3.	Mr. Natesan	6.85	8.15	9.20	1.90	3.96	4.37
4.	Mr. Muniraj	6.50	8.35	9.25	1.69	3.88	4.27
5.	Mr. Venkatasamy	6.80	8.40	9.30	1.90	3.70	4.28
Average		**6.81**	**8.04**	**8.99**	**1.85**	**3.88**	**4.25**

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

Matrix scoring

S. No.	Name of the farmer	Technological Option 1	Technological Option 2	Technological Option 3
1	Mr. Raman	1	3	4
2	Mr. Shankar	2	3	4
3	Mr. Natesan	1	2	3
4	Mr. Muniraj	2	3	4
5	Mr. Venkatasamy	2	3	4
Average		**1.6**	**2.8**	**3.8**

Scoring : 1 – Not good, 2 – Good, 3 – Better, 4 – Best.

The matrix scoring by the farmers regarding the technological options showed that the assessed technology i.e., Cultivation of vegetable lab lab Arka Jay was found to be best as perceived by the farmer with a scoring of 3.8 out of 4.

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

Arka Jay, is the suitable bush type vegetable lab lab for the district.

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

Further research is required including more varieties.

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

The availability of seeds of Arka Jay is difficult. Hence availability of seeds may be addressed.

OFT 6: FOLIAR NUTRITION IN JASMINE FOR HIGHER PRODUCTIVITY

<table>
<tr><td>1</td><td>Crop/ enterprise</td><td colspan="3">Jasmine</td></tr>
<tr><td>2</td><td>Farming situation</td><td colspan="3">Irrigated</td></tr>
<tr><td>3</td><td>Problem definition</td><td colspan="3">As the jasmine crop is having 6 peaks of flowering in a year, the nutrients depletion from the soil through ‘crop removal’ is higher than the quantity supplied to the soil through the recommended fertilizer dosage. So to supplement the crop with sufficient nutrients, foliar sprays of water soluble fertilizers may be used.</td></tr>
<tr><td>4</td><td>Title of OFT</td><td colspan="3">Foliar nutrition in jasmine for higher productivity</td></tr>
<tr><td>5</td><td>No. of trials</td><td colspan="3">10</td></tr>
<tr><td>6</td><td>Technology Assessed</td><td colspan="3">Fertilizer application of 60 : 120 : 120 gm NPK / plant (June-July & January-February) + spraying of water soluble fertilizer (19 : 19 : 19) 4 times per year @ 0.5 % (August, September, March & April).</td></tr>
<tr><td rowspan="3">7&8</td><td colspan="4">Parameters of assessment & Data on the parameter</td></tr>
<tr><td>Parameter</td><td>TO 1</td><td>TO 2</td><td>TO 3</td></tr>
<tr><td></td><td colspan="3" rowspan="3">Ongoing</td></tr>
<tr><td>9</td><td>Results of assessment</td></tr>
<tr><td>10</td><td>Feedback from the farmer</td></tr>
<tr><td>11</td><td>Any refinement done</td><td colspan="3">-</td></tr>
<tr><td>12</td><td>Justification for refinement</td><td colspan="3">-</td></tr>
</table>

4.C2. Details of On Farm Trial:

1. Title of Technology assessed : Foliar nutrition in jasmine for higher productivity
2. Problem definition : As the jasmine crop is having 6 peaks of flowering in a year, the nutrients depletion from the soil through 'crop removal' is higher than the quantity supplied to the soil through the recommended fertilizer dosage. So to supplement the crop with sufficient nutrients, foliar sprays of water soluble fertilizers may be used.
3. Source of technology

Category	Source of technology	Technology details
Farmer practice	Farmers	Application of locally available mixture fertilizers @ 250 gm/plant 6 times per year.
Technology option 1	Crop production manual, Dept. of Horticulture	Fertilizer dose of 60 : 120 : 120 gm NPK /plant/ year in two splits
Technology option 2	TNAU, Coimbatore	Fertilizer application of 60 : 120 : 120 gm NPK / plant (June-July & January-February) + spraying of water soluble fertilizer (19 : 19 : 19) 4 times per year @ 0.5 % (August, September, March & April).

4. Production system & Thematic area : Horticulture & Nutrient Management
5. **Performance of the technology with performance indicator :** Ongoing

OFT 7: EVALUATION OF FOLIAR NUTRITION IN MANGO

1	Crop/ enterprise	Mango		
2	Farming situation	Rainfed		
3	Problem definition	Imbalanced nutrition due to the maintenance of crop under rainfed condition		
4	Title of OFT	Evaluation of foliar nutrition in Mango		
5	No. of trials	5		
6	Technology Assessed	Spraying of water soluble fertilizer (19:19:19) @ 1% solution for 2 times during the months of June-July and August-September + spraying of 'K' rich water soluble fertilizer (13:0:46) @ 1% solution for 2 times during the months of December - January and February - March + IIHR Mango special nutrient mixture @ 0.5 % – 3 times per year (June–July, Nov–Dec & Feb–Mar)		
7&8	**Parameters of assessment & Data on the parameter**			
	Parameter	**FP**	**TO 1**	**TO 2**
		Ongoing		
9	Results of assessment			
10	Feedback from the farmer			
11	Any refinement done	-		
12	Justification for refinement	-		

4.C2. Details of On Farm Trial:

1. Title of Technology assessed : Evaluation of foliar nutrition in Mango
2. Problem definition : Imbalanced nutrition due to the maintenance of crop under rainfed condition
3. Details of technologies for assessment :
4. Source of technology

Category	Source of technology	Technology details
Technology option 1 (Farmer's practice)		Application of FYM @ 40 kg /tree
Technology option 2		FYM or compost @ 50 kg / tree, Fertilizer dose of 1:1:1.5 kg NPK / tree. Urea spray @ 1% solution
Technology option 3		Spraying of WSF (19:19:19) @ 1% (2 times: June-July & Aug. – Sept.) + spraying of 'K' rich WSF (13:0:45) @ 1% (2 times : Dec. – Jan. & Feb. – Mar.) + IIHR Mango special @ 0.5% (3 times/yr : Jun. – July, Nov – Dec. & Feb – Mar.)

5. Production system & Thematic area : Horticulture & Nutrient Management
6. **Performance of the technology with performance indicator :** Ongoing OFT

OFT 8: MANAGEMENT OF PSEUDO STEM WEEVIL IN BANANA

1	Crop/ enterprise	Banana
2	Farming situation	Irrigated
3	Problem definition	Incidence of pseudo stem weevil leads to heavy yield loss
4	Title of OFT	Management of pseudo stem weevil in Banana
5	No. of trials	5
6	Technology Assessed	Application of *Beauveria bassiana* 25 gm in the pseudostem of the banana and placing in the ground soil.
7&8	**Parameters of assessment & Data on the parameter**	
	Parameter	Ongoing
9	Results of assessment	
10	Feedback from the farmer	
11	Any refinement done	-
12	Justification for refinement	-

4.C2. Details of On Farm Trial:

1. Title of Technology assessed : Management of pseudo stem weevil in Banana
2. Problem definition : Incidence of pseudo stem weevil leads to heavy yield loss
3. Details of technologies for assessment :
4. Source of technology

Category	Source of technology	Technology details
Technology option 1 (Farmer's practice)		Spraying of Monocrotophos @ 3ml/lit.
Technology option 2		Injection of Monocrotophos 36 WSC @ 4 ml (54 ml of Monocrotophos 36 WSC with 350 ml of water) at two heights *viz*., 45 and 150 cm in the pseudostem at monthly interval from 5^{th} to 8^{th} month
Technology option 3		Injecting Azadirachtin 10000 ppm (1:4 ratio) @ 2ml/plant at heights viz., 45 cm & 150 cm in the pseudostem at monthly interval from 5^{th} to 8^{th} month
Technology option 4		Application of *Beauveria bassiana* 25 gm in the pseudostem of the banana and placing in the ground soil.

5. Production system & Thematic area : Agriculture
6. **Performance of the technology with performance indicator :** Ongoing OFT

4.D1. Results of Technologies Refined : NIL

4.D.2. Details of each On Farm Trial Refined : NIL

PART V – FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented during 2009-10

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
1	**Oilseeds**	-	-	-	-	-	-	-	-	-	-	-	-	-
2	**Pulses**	-	-	-	-	-	-	-	-	-	-	-	-	-
3	**Cereals**	Irrigated	Kharif 10	Paddy	-	CORH 3	Popularization	Cultivation practices of hybrid under SRI method	8	8	-	20	20	-
4		Irrigated	Kharif 10	Paddy	CO 49	-	Popularization	Crop Production	4	4		10	10	-
5		Irrigated	Kharif 10	Paddy	BPT 5204	-	Farm Mechanization	Complete mecha - nization of Paddy	2	2	-	5	5	-
6		Irrigated	Rabi 10	Wheat	COW (W)1	-	Popularization	Cultivation practices of COW(W)1	2	2	-	10	10	
7	**Millets**	-	-	-	-	-	-	-	-	-	-	-	-	-
8	**Vegetables**	Irrigated	Rabi 10	Brinjal	Non descript	-	Pest management	Pheromone trap (water) @ 38 nos./ ha,(15 DAP) & replacing the lures once in a month + Removal & destru - ction of affected terminal shoots & fruits each time before spraying +spraying of Neem soap @ 2kg/ha on 25th and 45th DAP Tricogrammachilonis @ 5 CC/ha 6 time@ weekly intervals star -ting from 15th DAP	1	1	-	5	5	Ongoing

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
9	**Vegetables**	Irrigated	Rabi 10	Tomato	-	Arka Ananya	Popularization	Cultivation practices	2	2	-	10	10	-
10		Irrigated	Rabi 10	French bean	-	Arka Anoop	Popularization	Cultivation practices	2	2	-	10	10	-
11		Irrigated	Rabi 10	Onion	CO (On) 5	-	Popularization	Cultivation practices	2	2	-	10	10	Ongoing
12	**Flowers**	-	-	-	-	-	-	-	-	-	-	-	-	-
13	**Ornamental**	-	-	-	-	-	-	-	-	-	-	-	-	-
14	**Fruits**	Irrigated	Kharif 10	Mango	Bangalora	-	Nutrient Mgt.	Spraying of IIHR Mango special nutrient mixture	5	5	-	10	10	Ongoing
15		Rainfed	Rabi 09	Mango	Bangalora	-	Pest Management	Integrated management of mango fruit fly	5	5	-	10	10	Ongoing
16		Irrigated	Kharif 10	Banana	Ellaki	-	Nutrient Mgt.	Spraying of IIHR Banana special	4	4	-	10	10	-
17		Irrigated	Kharif 10	Banana	Ellaki	-	Post harvest management	Popularization of Banana bunch cover	1000 plants	1000 plants	-	10	10	-

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
18	**Spices and condiments**	Irrigated	Kharif 10	Turmeric	Salem local	-	Disease Management	Rhizome treatment with Consortia of Pseduomonas & Trichoderma @10g / kg, soil application @ 2.5kg/Ha, soil application of Consortia @ 2.5 kg After 150 DAS	5	5	-	25	25	-
19	**Commercial**	-	-	-	-	-	-	-	-	-	-	-	-	-
20	**Medical and aromatic**	-	-	-	-	-	-	-	-	-	-	-	-	-
21	**Fodder**	Irrigated	Kharif 10	Fodder bank	-	-	Popularization	Demonstration of Fodder bank	1	1	-	25	25	Ongoing
22	**Plantation**	-	-	-	-	-	-	-	-	-	-	-	-	-
23	**Fibre**	Rainfed	Kharif 10	Cotton	-	Bt	Crop Management	Integrated Crop Mgt	5	5	2	10	12	-
24	**Diary**	-	-	-	-	-	-	-	-	-	-	-	-	-
25	**Poultry**	-	-	-	-	-	Breeding management	Small scale Incubator	1 no.	1 no.	-	10	10	Ongoing
26	**Rabbitry**	-	-	-	-	-	-	-	-	-	-	-	-	-
27	**Pigerry**	-	-	-	-	-	-	-	-	-	-	-	-	-
28	**Sheep & goat**	-	-	-	-	-	-	-	-	-	-	-	-	-
29	**Duckery**	-	-	-	-	-	-	-	-	-	-	-	-	-
30	**Common crops**	-	-	-	-	-	-	-	-	-	-	-	-	-

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
31	**Mussels**	-	-	-	-	-	-	-	-	-	-	-	-	-
32	**Ornamental fishes**	-	-	-	-	-	-	-	-	-	-	-	-	-
33	**Oyster mushroom**	-	-	-	-	-	-	-	-	-	-	-	-	
34	**Button mushroom**	-	-	-	-	-	-	-	-	-	-	-	-	-
35	**Vermicompost**	-	-	-	-	-	-	-	-	-	-	-	-	-
36	**Sericulture**	-	-	-	-	-	-	-	-	-	-	-	-	-
37	**Implements**	Irrigated	Rabi 10	Turmeric	Salem local		Farm mechanization	Rhizome boiling by improved turmeric boiler	-	-	-	10	10	-
39		Irrigated	Rabi 10	Vegetables & Groundnut	-	-	Irrigation management	Mobile sprinkler	10	10	-	20	20	Ongoing
40		-	-	Vegetable Preservator	-	-	Post harvest management	Use of low cost portable vegetable preservator (CRIDA)	-	1 unit	-	10	10	-
41	**Others specify**	-	-	-	-	-	-	-	-	-	-	-	-	-

5.A. 1. Soil fertility status of FLDs plots during 2009-10

Sl. No.	Category	Farming Situation	Season & Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season & year	Status of soil			Previous crop
										N	P	K	
1	**Oilseeds**	-	-	-	-	-	-	-	-	-	-	-	-
2	**Pulses**	-	-	-	-	-	-	-	-	-	-	-	-
3	**Cereals**	Irrigated	Kharif 10	Paddy	-	CORH 3	Popularization	Cultivation practices of hybrid under SRI method	Kharif 10	L	M	H	Paddy
4		Irrigated	Kharif 10	Paddy	CO 49	-	Popularization	Crop Production	Kharif 10	L	M	H	Vegetables
5		Irrigated	Kharif 10	Paddy	BPT 5204	-	Farm Mechanization	Complete mechanization of Paddy	Rabi 10	L	M	M	Paddy
6		Irrigated	Rabi 10	Wheat	COW (W)1	-	Popularization	Cultivation practices of COW(W)1		L	M	M	Paddy
	Millets	-	-	-	-	-	-	-	-	-	-	-	-
7	**Vegetables**	Irrigated	Rabi 10	Brinjal	Non descript	-	Pest management	Pheromone trap (water) @ 38 nos./ ha,(15 DAP) & replacing the lures once in a month + Removal &destruction of affected terminal shoots & fruits each time before spraying + Spraying of Neem soap @ 2kg/ha on 25th& 45th DAP Tricogramma chilonis @ 5 CC/ha 6 time@ weekly intervals	Rabi 10	L	M	H	Vegetables

Sl. No.	Category	Farming Situation	Season & Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season & year	Status of soil			Previous crop
										N	P	K	
								starting from 15th DAP					
8	**Vegetables**	Irrigated	Rabi 10	Tomato	-	Arka Ananya	Popularization	Cultivation practices	Rabi 10	L	M	M	Paddy, Ragi
9		Irrigated	Rabi 10	French bean	-	Arka Anoop	Popularization	Cultivation practices	Rabi 10	M	M	H	Cabbage, Tomato
10		Irrigated	Rabi summer11	Onion	CO (On) 5	-	Popularization	Cultivation practices	Rabi summer 11	L	M	M	Ragi
11	**Flowers**	-	-	-	-	-	-	-	-	-	-	-	-
12	**Ornamental**	-	-	-	-	-	-	-	-	-	-	-	-
13	**Fruits**	Irrigated	Kharif 10	Mango	Bangalora	-	Nutrient Mgt.	Spraying of IIHR Mango special nutrient mixture	Kharif 10	L	M	H	-
14		Rainfed	Rabi 11	Mango	Bangalora	-	Pest Management	Integrated management of mango fruit fly	Rabi 11	L	M	H	-
15		Irrigated	Kharif 10	Banana	Ellaki	-	Nutrient Mgt.	Spraying of IIHR Banana special	Kharif 10	L	H	M	Paddy

Sl. No.	Category	Farming Situation	Season & Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season & year	Status of soil			Previous crop
										N	P	K	
16		Irrigated	Kharif 10	Banana	Ellaki	-	Post harvest management	Popularization of Banana bunch cover	Kharif 10	L	H	M	Paddy
17	**Spices and condiments**	Irrigated	Kharif 10	Turmeric	Salem local	-	Disease Management	Rhizome treatement with Consortia of Pseudomonas & Trichoderma @ 10g / kg, soil application of Consortia @ 2.5 kg after 150 DAS	Kharif 10	L	M	H	Turmeric, chillies
18	**Commercial**	-	-	-	-	-	-	-	-	-	-	-	-
19	**Medicinal and aromatic**	-	-	-	-	-	-	-	-	-	-	-	-
20	**Fodder**	Irrigated	Rabi 10	Fodder bank	-	-	Popularization	Demonstration of Fodder bank	Rabi 10	L	M	M	Fallow
21	**Plantation**	-	-	-	-	-	-	-	-	-	-	-	-
22	**Fibre**	Rainfed	Kharif 10	Cotton	-	Bt	Crop Management	Integrated Crop Mgt	Kharif 10	L	M	M	Turmeric

5.B. Results of Frontline Demonstrations

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
							H	L	A										
Cereals																			
Paddy	Popularization of hybrid under SRI	-	CORH 3	Irrigated	20	8	84.00	62.50	74.38	54.01	37.71	29342.50	82669	53326	2.82	32322.50	57063	24741	1.77
Paddy	Cultivation of CO 49	Co 49		Irrigated	10	4	67.50	63.75	65.18	54.30	20.32	23299	58666	35366	2.52	23921	48861	24939	2.05
Wheat	Popularization of wheat COW(W) 1	COW(W)1	-	Irrigated	10	2	23.05	21.76	22.55	-	-	14815	31575	16760	2.13	-	-	-	-
Millets																			
Vegetables																			
Brinjal	Management of Fruit & Shoot borer	Non descript	-	Irrigated	5	1	Ongoing												
Tomato	Cultivation of Arka Ananya	-	Arka Ananya	Irrigated	10	2	610	559	585.3	505.7	15.8	74105	292650	218545	3.95	81745	252850	171855	3.12
French bean	Cultivation of Arka Anoop	Arka Anoop	-	Irrigated	10	2	163	139	149.6	134	11.7	39005	224445	185440	5.75	39010	200940	161930	5.15
Onion	Cultivation of Co(On) 5	Co(On) 5	-	Irrigated	10	2	Ongoing												
Flowers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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										
Fruits																			
Banana	Micronutrient management in Banana	Ellaki	-	Irrigated	10	4	410.1	303.6	341.6	277.5	23.03	129550	546483	416933	4.22	106900	388555	281655	3.63
Banana	Popularization of Banana bunch cover	Ellaki	-	Irrigated	10	4													
Mango	Management of Fruitfly	Bangalora	-	Rainfed	10	5	Ongoing												
Mango	Micronutrient mgt in mango	Bangalora	-	Rainfed	10	5													
Spices and condiments																			
Turmeric	Management of Rhizome rot in turmeric using bioagents	Salem local	-	Irrigated	25	5	60.00	55.00	58.30	50.00	16.68	70005	641300	571295	9.16	70440	550000	479560	7.81
Comm -ercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medicinal & aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder																			
Fodder bank	Popularization of fodder bank	-	-	Irrigated	25	1	Ongoing												
Plantation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fibre																			

Data on additional parameters other than yield

Crop	Data on other parameters in relation to technology demonstrated		
	Parameter with unit	**Demo**	**Local**
Paddy CORH 3	Tillers / hill	23.55	15.20
	No. of productive tiller/hill	20.55	11.60
	No. of grains/panicle	143.65	108.25
Paddy CO 49	Blast in percent	4.8	44
	BPH incidence in %	10.1	76.2
Wheat COW (W) 1	Germination rate %	89	-
	Population / m^2	122	-
	Days to 50% flowering	52	-
	No. of grains/spike	47	-
Tomato – Arka Ananya	% plants affected by wilt	2.13	6.38
French bean – Arka Anoop	% plants affected by mosaic	2.07	6.59
Banana - ICM	Avg. fingers/hand	11.40	10.70
	Avg. hands/bunch	11.00	10.80
	Avg. weight/bunch (kg)	11.67	9.48
	Price / kg (bunch cover)	16	14
Turmeric rhizome rot	Disease incidence in percent	3.10	24.39

5.B.2. Livestock and related enterprises :

Type of livestock	Name of the technology demonstrated	Breed	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										
Diary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry	Community owned small scale incubator	-	10	1	Ongoing												
Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pigerry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep & Goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Data on additional parameters other than yield

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

5.B.3. Fisheries

Type of breed	Name of the technology demonstrated	Breed	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										
Common carps	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mussels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Data on additional parameters other than yield

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

5.B.4. Other enterprises :

Enterprise	Name of the technology demonstrated	Variety/ Species	No. of Demo.	Units/ Area (m^2)	Yield (q/ha)				% Increase	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
					H	L	A										
Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vegetable preservator	Use of low cost portable vegetable preservator	Tomato	10	2	-	-	-	-	-	65050	127735	62685	1.96	68020	117635	49615	1.72

Data on additional parameters other than yield

Crop / Enterprise	Data on other parameters in relation to technology demonstrated		
	Parameter with unit	**Demo**	**Local**
Vegetable Preservator (50 kg capacity)	Shelf life	Tomato : 12 days	4 days

5.B.5. FARM IMPLEMENTS AND MACHINERY

Name of the implement	Cost of the implement in Rs.	Name of the technology demonstrated	No. of Demo	Area covered under demo in ha	Labour requirement in mandays (ha)		% 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
Rice Transplanter	Rs.1,80,000	Mechanization of Paddy cultivation	5	2	Male 6 Female 50	Male 12 Female 2	78.00	2432.50	27010	68650	41640	3.00	34100	55870	21770	2.00
Turmeric Boiler	Rs.18,000	Popularisation of Improved TNAU Turmeric Boiler	25	10	7.15	26.04	72.57	14514.00	70005	641300	571295	9.16	70440	550000	479560	7.81
Portable mini sprinkler	Rs.30,000	Popularization of portable mini sprinkler	20	10	On going											

Data on additional parameters other than yield – PADDY TRANSPLANTER

Sl. No.	Parameter with unit	Unit cost	Demonstration (Paddy Transplanter)	Local check (Manual transplanting)
1	Nursery area, ha	-	0.004	0.01
2	Nursery land preparation (Rs.)	-	150	150
3	Plastic trays (Rent for 110 trays for an ac is Rs.125/-)	Rs. 30/no	312.50	--
4	Paddy seeds (kg)	-	31.25	75
5	Paddy seeds (Rs.)	Rs. 20 / kg	625	1500
6	Nursery sowing (man days)	-	4	1

Sl. No.	Parameter with unit	Unit cost	Demonstration (Paddy Transplanter)	Local check (Manual transplanting)
7	Irrigation and management (man days)	-	4	5
8	Pulling / tieing seedlings (woman days)	-	--	20
9	Cutting / loading mats (man days)	-	2	--
10	Hire charge (Rs.)	Rs.500 /hr	1,250	--
11	Transplanting (woman days)	-	2	30
12	Transplanting (man days)	-	2	--
13	Field coverage (ha/h)	-	0.133	0.075
14	Required labour (male) /ha	-	12	6
15	Required labour (female) /ha	-	2	50
16	Total labour charges (Rs.)	Rs.200/male Rs.90/female	2,580	5,700
17	Total cost (Rs.)	-	4,767.50	7,200.00
18	Time saving (per cent)	-	77.78	-
19	Labour saving (per cent)	-	75.00	-
20	Cost saving (per cent)	-	33.78	--

Data on additional parameters other than yield – IMPROVED TURMERIC BOILER

Name of the Implement	Crop	No. of farmers	Area	Performance parameters / indicators	Data on parameter in relation of technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Improved Turmeric Boiler	Turmeric	25	10 ha	Capacity of rhizome boiled per batch	164.4 kg	104.4 kg	57.47 %	Time and fuel saving
				Time required to boiled per batch	23.04 min	38.6 min	40.31 %	
				Capacity (Kg/hr)	428.13 kg/hr	162.28 kg/hr	163.82 %	

				Required labour (no. of male/day)	4.20	5.88	28.57 %	Labour saving

5.B.6. Cotton

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

Sl. No.	Category	Technology Demonstrated	Variety	Hybrid	Season and year	Area (ha)		No. of farmers/ demonstration			Reason for shortfall in achievement
						Proposed	Actual	SC/ST	Others	Total	
1	Production technology	Integrated Crop Management	-	Bt	Kharif 10	5	5	2	10	12	-
2	IPM	-	-	-	-	-	-	-	-	-	-
3	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
Rainfed	Integrated Crop Management	5	12	-	Bt	12.50	10.22	18.00	17725	40000	22274.5	2.26	19080	32720	13639	1.72

Performance of Bt hybrids, Desi hybrids, non-Bt hybrids and Varieties in Front Line Demonstrations in cotton during 2009-10

Category	Farming situation	Technology Demonstrated	Area (ha)	No. of demo.	Variety	Hybrid	Yield (q/ha)		% Increase	Economics of demonstration (Rs./ha)				Economics of local check (Rs./ha)			
							Demo	Local		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Bt hybrids	Rainfed	Integrated Crop Management	5	12	-	Bt	12.50	10.22	18.00	17725	40000	22274.5	2.26	19080	32720	13639	1.72
Desi hybrids (AXA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HXB Hybrids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HXH Hybrids	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Herbacium Varieties	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hirsutum Varieties	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arboreum Varieties	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

5.B.6.3. Integrated pest management demonstrations:

Farming situation	Variety	Hybrid	No. of blocks	Total no. of Demo.	Area (ha)	Incidence of pest & disease (%)			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
Chisel plough	5	12	Primary tillage	4	6	33.33
Rotavator	5	12	Secondary tillage	3.5	6	41.67
Power weeder (2 times)	10	12	Weeding	-	-	-
Power sprayer (3 times)	15	12	Spraying	-	-	-

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

Extension activity	No. of Programmes	Participants			SC/ST		
		Male	Female	Total	Male	Female	Total
Consultancy	-	-	-	-	-	-	-
Conventions	-	-	-	-	-	-	-
Demonstrations	-	-	-	-	-	-	-
Diagnostic surveys	-	-	-	-	-	-	-
Exhibition	-	-	-	-	-	-	-
Farmer study tours	-	-	-	-	-	-	-
Farmers Field school	-	-	-	-	-	-	-
Field Days	1	27	22	29	1	-	1
Field visits	12	-	-	-	-	-	-
Gram sabha	-	-	-	-	-	-	-
Group discussions	-	-	-	-	-	-	-
Kisan Gosthi	-	-	-	-	-	-	-
Kisan Mela	-	-	-	-	-	-	-
Training for Extension Functionaries	1	15	25	20	-	-	-
Training for farmers	3	38	3	36	3	-	3
Viedo show	-	-	-	-	-	-	-
Newspaper coverage	1	-	-	-	-	-	-
Popular articles	-	-	-	-	-	-	-
Publication	-	-	-	-	-	-	-
Radio talks	-	-	-	-	-	-	-
T.V. Programme	-	-	-	-	-	-	-
Booklet	1	-	-	-	-	-	-
TOTAL	**19**	**70**	**10**	**85**	**4**	**-**	**4**

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

S. No	Crop / Enterprise	Name of the technology demonstrated	Feed Back
1	Paddy	Cultivation of Rice hybrid CORH 3 under SRI method	The hybrid is tolerant to blast & resistant to BPH and recorded higher yield under SRI
2	Paddy	Popularization of Co49	The blast and BPH incidences are low in this variety when compared to BPT 5204
3	Paddy	Mechanization in Paddy cultivation	If the adjustment of intra row spacing of the paddy transplanter is increased to 23 cms. The cono weeder usage will be more effective. Percentage of establishment was higher when trays are used in nursery. Sowing using templates increased the uniformity in seed placement in trays
4	Wheat	Popularization of COW(W) 1	Weed menace is the major problem
5	Tomato	Use of low cost portable vegetable preservator (CRIDA)	Storage capacity of 50 kg may be increased
6	Banana	Popularization of banana bunch cover	The sleeves could not be used for the second time due to the wear & tear
7	Banana	Micro Nutrient Management in Banana	The efficacy of different micro nutrients products released by different institutions may be compared
8	Tomato	Popularization of Arka Ananya	The incidence of spotted wilt & leaf curl virus was less
9	French Bean	Popularization of Arka Anoop	The incidence of mosaic is low in this variety
10	Turmeric	Management of Rhizome rot using bio agent	The consortia of Pseudomonas and Trichoderma is very effective when compared to chemicals. Continuous application is very essential.
11	Cotton	Integrated Crop Management in Cotton	The yield has been enhanced due to foliar application of nutrients and integrated pest & disease management

5.B.6.7. Farmers' reactions on specific technologies

S. No	Crop / Enterprise	Name of the technology demonstrated	Feed Back
1	Paddy	Cultivation of Rice hybrid CORH 3 under SRI method	Early flowering was observed
2	Paddy	Popularization of Co49	The price obtained for the produce is less than that of widely cultivated BPT 5204
3	Paddy	Mechanization in Paddy cultivation	The cost of the machines was higher and since the land holdings are smaller individual farmers could not afford to buy the machineries
4	Wheat	Popularization of COW(W) 1	There is no incidence of pest & disease in this variety and recorded higher yield
5	Tomato	Use of low cost portable vegetable preservator (CRIDA)	Availability is limited with CRIDA only
6	Banana	Popularization of banana bunch cover	The farmers felt the quality of the fruit has got improved and fetched better market price
7	Banana	Micro Nutrient Management in Banana	The increase in yield and profit due to micro nutrient supplementation was well perceived by the farmers
8	Tomato	Popularization of Arka Ananya	The keeping quality was less than that of the widely cultivated hybrid US 618
9	French Bean	Popularization of Arka Anoop	The market price of Arka Anoop was less than that of the selection varieties
10	Turmeric	Management of Rhizome rot using bio agent	Application of consortia of Pseudomonas and Trichoderma gave better yield of turmeric by not only controlling the disease but also increase the growth parameters.
11	Cotton	Integrated Crop Management in Cotton	Foliar application of planofix reduced the shedding of flower buds and squares

5.B.6.8. Extension and Training activities under FLD

Sl. No.	Activity	No. of activities organized	Number of participants	Remarks
1	Field days	11	322	-
2	Farmers training	64	1189	-
3	Media coverage	-	-	-
4	Training for extension functionaries	3	99	-

PART VI – DEMONSTRATIONS ON CROP HYBRID

Demonstration details on crop hybrids

Type of Breed	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Units/ 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	Popularization of hybrid under SRI	CORH 3	20	8	84.00	62.50	74.38	54.01	37.71	29342.50	82669	53326	2.82	32322.50	57063	24741	1.77
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	Cultivation of Arka Ananya	Arka Ananya	10	2	610	559	585.3	505.7	15.8	74105	292650	218545	3.95	81745	252850	171855	3.12
Brinjal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Okra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Potato	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Field bean	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sugarcane	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Coconut	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize (Fodder)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorghum (Fodder)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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	1	20	-	20	-	-	-	20	-	20
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	1	13	4	17	2	2	4	15	6	21
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	1	15	3	18	-	-	-	15	3	18
Integrated Crop Management	4	43	8	51	11	5	16	54	13	67
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	1	18	2	20	-	-	-	18	2	20
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	4	65	2	67	5	3	8	70	5	75
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	2	43	18	61	-	-	-	43	18	61
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	-	-	-	-	-	-	-	-	-	-
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Disease Management	1	22	-	22	-	-	-	22	-	22
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	1	3	15	18	-	-	-	3	15	18
Cultivation of Fruit	2	16	9	25	10	-	10	26	9	35
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	2	30	8	38	-	-	-	30	8	38
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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	1	14	3	17	-	-	0	14	3	17
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	7	120	23	143	1	7	8	121	30	151
Production and use of organic inputs	4	36	2	38	-	-	-	36	2	38
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	1	20	-	20	-	-	-	20	-	20
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	1	19	2	21	-	-	-	19	2	21

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management										
Dairy Management	1	15	6	21	-	-	-	15	6	21
Poultry Management	1	5	15	20	-	-	-	5	15	20
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Animal Disease Management	1	15	3	18	-	-	-	15	3	18
Feed and Fodder technology	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	3	-	68	68	-	-	-	-	68	68
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	3	-	46	46	14	-	14	14	46	60
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	2	4	43	47	-	5	5	4	48	52
Value addition	1	-	15	15	-	-	-	-	15	15
Women empowerment	1	-	-	-	-	21	21	-	21	21

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Location specific drudgery production	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering										
Farm machinery and its maintenance	2	33	4	37	3	-	3	36	4	40
Installation and maintenance of micro irrigation systems	2	37	2	39	-	-	0	37	2	39
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	5	43	16	59	1	14	15	44	30	74
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Mechanization in Paddy	1	20	-	20	-	-	0	20	0	20
Plant Protection										
Integrated Pest Management	1	19	-	19	-	-	-	19	-	19
Integrated Disease Management	6	84	48	132	-	1	1	84	49	133
Bio-control of pests and diseases	3	41	19	60	-	-	-	41	19	60
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**67**	**813**	**384**	**1197**	**47**	**58**	**105**	**860**	**442**	**1302**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	2	18	9	27	-	-	0	18	9	27
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	1	12	1	13	1	-	1	13	1	14
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	1	3	17	20	3	3	6	6	20	26
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	1	-	-	-	20	-	20	20	-	20
Off-season vegetables	1	18	-	18	-	-	-	18	-	18
Nursery raising	2	26	10	36	-	-	-	26	10	36
Exotic vegetables	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	3	54	6	60	-	-	-	54	6	60
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Animal Disease Management	-	-	-	-	-	-	-	-	-	-
Feed and Fodder technology	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-			
Design and development of low/minimum cost diet	1	-	15	15	-	8	8	-	23	23
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Processing and cooking	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	1	-	2	2	-	19	19	-	21	21
Value addition	-	-	-	-	-	-	-	-	-	-
Women empowerment	1	-	12	12	-	-	-	-	12	12
Location specific drudgery production	-	-	-	-	-	-	-	-		
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering										
Farm machinery and its maintenance	2	32	7	39	-	-	-	32	7	39
Installation and maintenance of micro irrigation systems	1	16	5	21	-	-	-	16	5	21
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	-	-	-	-	-	-	-	-	-	-
Mechanization in Paddy	1	19	-	19	-	-	-	19	-	19
Plant Protection										
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	3	91	-	91	-	-	-	91	-	91

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**21**	**289**	**84**	**373**	**24**	**30**	**54**	**313**	**114**	**427**

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	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-

Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	2	-	29	29	-	-	-	-	29	29

Small scale processing	3	-	52	52	12	11	23	12	63	75
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**5**	**-**	**81**	**81**	**12**	**11**	**23**	**12**	**92**	**104**

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	2	54	-	54	-	-	-	54	-	54
Integrated Pest Management	2	43	11	54	-	-	-	43	11	54
Integrated Nutrient management	1	37	3	40	-	-	-	37	3	40
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-

Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	1	9	10	19	-	-	-	9	10	19
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	1	-	28	28	-	-	-	-	28	28
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	**7**	**143**	**52**	**195**	**-**	**-**	**-**	**143**	**52**	**195**

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	1	-	30	30	-	-	-	-	30	30
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	**1**	**-**	**30**	**30**	**-**	**-**	**-**	**-**	**30**	**30**

7.G. Sponsored training programmes

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

6	**Others (pl.specify)**	-	-	-	-	-	-	-	-	-	-
7	**Post harvest technology and value addition**	-	-	-	-	-	-	-	-	-	-
7.a.	Processing and value addition	4	-	140	140	20	40	60	20	180	200
7.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
8	**Farm machinery**										
8.a.	Farm machinery, tools and implements	-	-	-	-	-	-	-	-	-	-
8.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
9.	**Livestock and fisheries**										
10	**Livestock production and management**										
10.a.	Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
10.b.	Animal Disease Management	-	-	-	-	-	-	-	-	-	-
10.c	Fisheries Nutrition	-	-	-	-	-	-	-	-	-	-
10.d	Fisheries Management	-	-	-	-	-	-	-	-	-	-
10.e.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
11.	**Home Science**										
11.a.	Household nutritional security	-	-	-	-	-	-	-	-	-	-
11.b.	Economic empowerment of women	-	-	-	-	-	-	-	-	-	-
11.c.	Drudgery reduction of women	-	-	-	-	-	-	-	-	-	-
11.d.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
12	**Agricultural Extension**										
12.a.	Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
12.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	Total	**4**	**-**	**140**	**140**	**20**	**40**	**60**	**20**	**180**	**200**

Details of sponsoring agencies involved

1. Dept of Agri. Marketing & Agri. Business

2. Integrated Child Development Service (ICDS)

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

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Commercial floriculture	-	-	-	-	-	-	-	-	-	-
1.b.	Commercial fruit production	-	-	-	-	-	-	-	-	-	-
1.c.	Commercial vegetable production	-	-	-	-	-	-	-	-	-	-
1.d.	Integrated crop management	-	-	-	-	-	-	-	-	-	-
1.e.	Organic farming	-	-	-	-	-	-	-	-	-	-
1.f.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
2	**Post harvest technology and value addition**										
2.a.	Value addition	-	-	-	-	-	-	-	-	-	-
2.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
3.	**Livestock and fisheries**										
3.a.	Dairy farming	-	-	-	-	-	-	-	-	-	-

3.b.	Composite fish culture	-	-	-	-	-	-	-	-	-	-
3.c.	Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
3.d.	Piggery	-	-	-	-	-	-	-	-	-	-
3.e.	Poultry farming	-	-	-	-	-	-	-	-	-	-
3.f.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
4.	**Income generation activities**										
4.a.	Vermi-composting	-	-	-	-	-	-	-	-	-	-
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.	-	-	-	-	-	-	-	-	-	-
4.c.	Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
4.d.	Rural Crafts	-	-	-	-	-	-	-	-	-	-
4.e.	Seed production	-	-	-	-	-	-	-	-	-	-
4.f.	Sericulture	-	-	-	-	-	-	-	-	-	-
4.g.	Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
4.h.	Nursery, grafting etc.	-	-	-	-	-	-	-	-	-	-
4.i.	Tailoring, stitching, embroidery, dying etc.	-	-	-	-	-	-	-	-	-	-
4.j.	Agril. para-workers, para-vet training	-	-	-	-	-	-	-	-	-	-
4.k.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics	-	-	-	-	-	-	-	-	-	-
5.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	Grand Total	-	-	-	-	-	-	-	-	-	-

PART VIII – EXTENSION ACTIVITIES

Extension Programmes (including activities of FLD programmes)

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	7	152	12	164	9	-	-	5	-	5
Kisan Mela	-	-	-	-	-	-	-	-	-	-
Kisan Ghosthi	-	-	-	-	-	-	-	-	-	-
Exhibition	2	572	117	689	41	17	58	20	4	24
Film Show	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	10	301	99	410	43	10	53	7	-	7
Farmers Seminar	-	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-
Group meetings	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	13	578	264	842	41	17	58	-	-	-
Newspaper coverage	42	-	-	-	-	-	-	-	-	-
Radio talks	-	-	-	-	-	-	-	-	-	-
TV coverage	1	-	-	-	-	-	-	-	-	-
Popular articles	6	-	-	-	-	-	-	-	-	-
Extension Literature	25	1348	520	1868	70	20	-	-	-	-
Advisory Services	145	280	22	302	2	-	-	-	-	-

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
Scientific visit to farmers field	-	-	-	-	-	-	-	-	-	-
Farmers visit to KVK	181	541	50	591	13	-	13	-	-	-
Diagnostic visits	136	723	95	818	29	10	39	-	-	-
Exposure visits	5	157	-	157	8	-	8	-	-	-
Field visit	100	752	196	948	19	10	29	-	-	-
Farmers Science club formation	1	28	10	38	2	-	2	35	4	39
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	-	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	2	47	18	65	3	2	5	3	-	3
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	2	6	116	122	-	-	-	4	0	4
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)	-	-	-	-	-	-	-	-	-	-
Meet with experts	2	60	150	210	-	-	-	-	-	-
Officials visit to KVK	1	-	-	-	-	-	-	15	1	16
Farmers Field School	9	281	44	325	13	10	23	-	-	-
Total	**689**	**5826**	**534**	**7549**	**293**	**12**	**288**	**89**	**5**	**98**

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS :

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Quantity of seed (qtl)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-
Pulses	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-
Flower crops	-	-	-	-	-	-
Spices	-	-	-	-	-	-
Fodder crop seeds	-	-	-	-	-	-
Fiber crops	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-
Total	-	-	-	-	-	-

9.B. Production of planting materials by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Commercial	-	-	-	-	-	-
Vegetable seedlings	-	-	-	-	-	-
Fruits	-	-	-	-	-	-
Ornamental plants	-	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-	-
Plantation	-	-	-	-	-	-
Spices	-	-	-	-	-	-
Tuber	-	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others(specify)	-	-	-	-	-	-
Total	-	-	-	-	-	-

9.C. Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	Number of farmers to whom provided
Bio Fertilizers	-	-	-	-
Bio-pesticide	-	-	-	-
Bio-fungicide	-	-	-	-
Bio Agents	-	-	-	-
Others (specify)	-	-	-	-
Total	-	-	-	-

9.D. Production of livestock materials

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

PART X – PUBLICATION, SUCCESS STORY, SWTL

10. A. Literature Developed/Published

(A) KVK News Letter

Name of the News letter : Uzhavar Thunaivan

Date of start : January, 2004

Periodicity : Quarterly

Number of copies distributed : 1200 copies

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers	-	-	-
Technical reports	-	-	-
Technical bulletins	-	-	-
Popular articles	Management of Ringspot in Papaya	Dr. T. Sundarraj	1
	Shoot and Fruit borer management in Brinjal	Dr. T. Sundarraj	1
	Blight management in Tomato	Dr. T. Sundarraj	1
	Management of Brown plant hopper in Paddy	Dr. T. Sundarraj	1
	Leaf spot management in Banana	Dr. T. Sundarraj	1
	Turmeric Boiler	Dr. T. Sundarraj & Mr.S. Mohammed Ismail	1
Extension literature	Low cost Vegetable preservator	Mrs. S. Poomathi & Dr. T. Sundarraj	100 copies
	Management of Fruit fly	Mr. T.I. Ramesh Babu & Dr.T. Sundarraj	1000 copies
	INM in Mango	Mr. K. Gunasekar & Dr. T. Sundarraj	250 copies
	Wheat cultivation – Package & Practices	Mr. S. Sekar & Dr. T. Sundarraj	250 copies
Others	-	-	-

10.B. Details of Electronic Media Produced :

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

10.C. Success stories

(1) TITLE : DEVELOPMENT OF ENTREPRENEURSHIP IN FOOD PROCESSING

Process: KVK has conducted various training programmes for farm women in home science in the areas covering entrepreneurship development programme, nutrition, preservation of fruits and vegetables in times of glut. Our district has substantial area under horticultural crops. Hence our KVK concentrated training to the rural youth on fruit and vegetable preservation. The role of women in the preservation of fruits and vegetables is of atmost significant. It was found that there was good scope to generate income by women which can be done by participation of them in skill training. Keeping this objective in view KVK organized vocational training on post harvest technology.

Technology: The training on post harvest management, harvesting, handling, grading and packaging, storage and value addition in horticultural crops. This programme was conducted in the month of April 2009. It was 15 days programme and 11 youth, SHG women of Hosur participated in the training. Technical skills on processsing and value addition were imparted through practical demonstration, training and exposure visit.

Background: This training has been taken advantage by Mrs. Sangeetha, W/O Mr. Murali a SHG women, Avalepatti, Hosur, She participated in 15 days training and made her effort and interest in the preparation of variety of pickles in a small scale. An working capital of Rs. 50000 was availed through Karur Vyasa bank, Hosur on 30.04.2010. With this amount she started the commercial production of variety of pickles.

Intervention: After the acquisition of the training skills related to fruit & vegetable preservation, she purchased the vegetables at the local market and neighbouring markets and prepared variety of pickles. The products were sold in the brand name of “karthick foods” to departmental stores, public meetings and SHG exhibition. Our KVK has also tied with DIC, Krishnagiri and submitted project proposal under PMEGP to avail for the financial assistance of Rs 1.0 lakhs for the enlargement of enterprise and employment generation to other rural youths. The member has also availed S.S.I registration for the easy marketing of the food products.

IMPACT: She is successfully running the pickle unit and earns an average income of Rs 3000 to 3500 /month to meet the day to day expenditure and she is happy to do. She is a role model to other rural youths.

(2) TITLE : PADDY TRANSPLANTER

Though mango being the major fruit crop of this district, paddy is also being cultivated throughout the district with the area of 25,000 ha. As far as paddy cultivation is concerned, the major problems faced by the farmers are**:** Irrigation water availability, Labour scarcity and Pest and disease problems. Among these constraints, Labour availability stands as a primary hurdle in the path of the farming in our district.

The major causes for the labour scarcity for the agricultural activities in this district may be attributed to the following reasons:

- Bangalore being the neighboring metropolitan city situated in western fringe of the district, it attracts almost half of the district's labour force for its higher lucrative wages.
- Besides, the local competition for labour also increased due to industrialization in the nearby areas.
- Krishnagiri district is receiving only 852mm of annual average rainfall which results in the filling of reservoirs present in this district. The areas which get irrigation water from these reservoirs are being utilized for the paddy cultivation by the farmers. The one of the reservoir which always supplying irrigation water for cultivation is KRP (Krishnagiri Reservoir Project) dam. As soon as the water is released from the reservoir, the paddy cultivation starts simultaneously in all the areas which results in acute labour shortage for the various operations.
- The employment guarantee scheme of the Government also attracts major portion of the available labours which results in acute labour shortage for the agricultural operations.

Our KVK conducted PRA at Periyamuthur village of Kaveripatinam block and the surrounding paddy areas during 2007. In this block farmers were cultivating paddy in around 450 ha. As soon as the water is released from the reservoir, the paddy cultivation starts simultaneously in all the areas which results in acute labour shortage for various operations. As the result of PRA conducted most of the farmers cultivating paddy faces labour shortage. So, our KVK conducted a OFT on Paddy Transplanter in Krishnagiri district to overcome the problem.

TECHNOLOGICAL INTERVENTION

To solve this major labour scarcity problem in paddy cultivation, our KVK conducted On Farm Testing to 'Evaluate the usage of Paddy Transplanter' in the existing localized situation during 2007-08. In this OFT, the conventional method of transplanting, (Line) Row planting and the Planting by Transplanter were compared for their labour saving efficiency and time management. Ten farmers were selected for the OFT at Shanthi Nagar village and were supplied with the technological inputs.

Technical details about Paddy Transplanter machine:

- **Easy to operate:** Women labour also can operate the transplanter with ease.
- **Time saving :** Two and half hours will be enough to transplant one acre of land.
- **Labour saving :** One man and two women labours are enough to plant one acre.
- **Less seed rate:** 15 kg seed will be enough to plant one acre of land compared to the conventional method of planting where it is around 60 kg.
- **Uniform spacing:** 24 x 14 cm or 24 x 17 cm is maintained.
- Plants are planted with uniform depth ensures the uniform growth.
- Weeding operation is easy because of the uniform plant spacing.
- Plant population can be maintained uniformly.
- Usage of Mat nursery seedlings ensures the highest germination percentage.
- **Fuel requirement :** 1.25 litre of diesel is required for one acre planting.
- **Engine power :** 4 HP

Nursery Management:

- Preparation of Mat Nursery: 21 cm x 40 cm mat prepared
- Irrigation Management : Daily watering 1 hour
- Nutrient Management : Sufficient fertilizers applied
- Pest and Disease management : We found GLH and leaf spot, spray 1.5 gm/tank of DANTOP and 20 gm/tank of BEAM

Main field Management:

- Land preparation: Puddle the field with tiller 4 times and allow to set the soil
- Transplanting using Transplanter:
- Irrigation Management
- Nutrient Management
- Weed Management
- Pest Management
- Disease management
- Harvesting

RESULT OF OFT

Transplanting by Transplanter reduces the cost by 27%. Transplanter can cover 1 ha. in 6.25 hrs. with the help of 1 male and 2 female labours compared to conventional method of transplanting which need 30 female in 8 hrs. From the OFT the paddy transplanting by transplanter increased the number of tiller per hill, reduced the seed rate and increase in BC ratio compared to manual transplanting were observed.

The results obtained from the OFT showed that the cost of planting for one acre land calculated to be Rs. 500/- against the conventional method of planting which costs about Rs. 1,000/-. The cost saving of 75% and the time saving of around 5 hours per day was observed towards the transplanting. It was found to be good enough to overcome the problem of labour scarcity in paddy cultivation.

FRONT LINE DEMONSTRATION

After the OFT, the farmers have also got convinced of the technology and were enthusiastic about opting for farm mechanization in paddy cultivation. So, during the following years the KVK conducted a Front Line Demonstrations in 10 ha in the KRP Dam irrigated areas and Kaveripattinam blocks of Krishnagiri district to extend this technology to wider area.

Sl. No.	Year	FLD operated villages	Area
1.	2008-09	Kurumpatti, Kaveripattinam, Thathampatti, Nadupaiyur & Kannukarankottai	10 ha
2.	2009-10	Pannanthur	10 ha
3.	2010-11	Samanapalli	2 ha

Apart from the above demonstrated area we have assisted to conduct the demonstration under our direct guidelines.

Sl. No.	Year	FLD operated villages	Area
1.	2008-09	Palacode, Dharmapuri district	10 ac
		Regional Research Station, Paiyur (For research purpose)	8 x 12 m
2.	2009-10	Aarur, Dharmapuri district	12 ac
		Paiyanapalli	20 ac
		Ginjupalli	3 ac
		Regional Research Station, Paiyur (For research purpose)	8 x 12 m
3	2010-11	IANWARM scheme, Samanapalli, Agaram, Uddanapalli	30 acre
		KVK Karur	1 acre

- Palacode demonstration conducted with Agricultural Department and Agricultural Engineering department of Dharmapuri district

- Paiyanapalli demonstration conducted in presence of Krishnagiri District Collector and Department of Agriculture & Agricultural Engineering and was covered in TV News.

Villages: Kursampatti, Kannukarankottai, Nadupaiyur, Periyamuthur, Kurumpatti, Thathampatti

RESULT OF FLD:

The results obtained from the FLD showed that usage of Paddy Transplanter for the planting reduces the time by 113.33%, labour by 73.21 % and cost by 34.09 %. Transplanter can cover 1 ha. in 6.25 hrs. with the help of 1 male and 2 female labours compared to conventional method of transplanting which need 30 female in 8 hrs.

Trainings

Various training programmes were conducted to disseminate this excellent labour saving technology throughout the district. On-campus and Off-campus trainings were conducted in various villages, viz., Palacode, Kalliyur, Paiyanapalli, Pannanthur, Uddanapalli, Guntharapalli and Hosur with more than 500 no. of beneficiaries. More number of trainings conducted for Extension Functionaries also, in the department of Agriculture and Agricultural Engineering.

The beneficiary farmers and farm women were taught about the Mat nursery preparation and its maintenance, operating instructions of the transplanter and the other intercultural operations in paddy cultivation.

Outcome of the technology disseminated and its economic impact:

From the results it was observed that the yields recorded in paddy transplanting by transplanter, transplanting in lines manually and transplanting manually were 7350, 6926 and 6168 kg/ha respectively.

The cost of cultivation was higher in conventional transplanting and in line planting than the transplanting by Transplanter which were recorded as Rs.35,190, Rs.34,551 and Rs.33,365 respectively.

Transplanting by transplanter recorded the higher net return compared to line planting and conventional planting which were recorded as Rs. 27,859, Rs.23,144 and Rs. 16,196 respectively.

HORIZONTAL SPREAD

On seeing the success of technology, a progressive farmer Mr. Sundaram from Shanthi Nagar, had purchased the Transplanter at the cost of Rs.1,38,000/- and is using it for his own lands and hiring it to the farmers of neighboring lands. He charges Rs.500/- per hour by letting his transplanter for hiring and totally he earns around Rs.50,000/- per season as an additional income. The area has been increased up to 75 acres by using paddy transplanter across the

district in every season. In forth coming seasons we have planned to increase the area up to 150 acres.

He is also planning to take up the mat nursery preparation which is a mandatory for the transplanter in a commercial way. By seeing the success of technology imbibed Mr. Sundaram, other farmers are also in the process of purchasing the transplanter. Another farmer Mr. Mani from Aarur also have purchased the Transplanter and using for his own purpose and getting extra remuneration by hiring it to others. With the technical guidance of KVK, most of the paddy farmers are very much interested in using transplanter in paddy cultivation. Hence the area has been increased up to 200 acres by using paddy transplanter across the district in every season.

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

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

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

10.F. Specific training need analysis tools/methodology followed for identification of courses for

(1) Farmers/Farm Women

- Brain storming
- Survey
- Discussion with the Farmers Club Member and FIGs
- Group meeting
- Discussion with officials of line departments
- Discussion with scientists of Tamil Nadu Agricultural University, RRS, Paiyur
- Periodical field visits

(2) Rural Youth

- Brain storming
- Survey
- Group meeting
- Discussion with officials of line departments
- Discussion with scientists of Tamil Nadu Agricultural University, RRS, Paiyur
- Periodical field visits

(3) In-service personnel

- Discussion with officials of line departments

10.G. Field activities

i. Number of villages adopted : 14

ii. No. of farm families selected : 180

iii. No. of survey/PRA conducted : 14

10.H. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Nil

1. Year of establishment : -

2. List of equipments purchased with amount : Nil

Sl. No	Name of the Equipment	Qty.	Cost
1	-	-	-
Total		-	-

Details of samples analyzed so far since establishment of SWTL:

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

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	-	-	-	-
Water Samples	-	-	-	-
Plant samples	-	-	-	-
Manure samples	-	-	-	-
Others (specify)	-	-	-	-
Total	-	-	-	-

10.I. Technology Week celebration

Period of observing Technology Week : Nil

Total number of farmers visited : Nil

Total number of agencies involved : Nil

Number of demonstrations visited by the farmers within KVK campus : Nil

Other Details

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

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

A. Introduction of alternate crops/varieties

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

B. Major area coverage under alternate crops/varieties

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

C. Farmers-scientists interaction on livestock management

State	Livestock components	Number of interactions	No.of participants
-	-	-	-

D. Animal health camps organized

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

E. Seed distribution in drought hit states

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

F. Large scale adoption of resource conservation technologies

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

G. Awreness campaign

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

PART XI – IMPACT

11.A. Impact of KVK activities

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
System of Rice Intensification	260	60	18000	28000
Management of mango fruit fly	280	55	4000	15000
Management of rhizome rot of Turmeric	130	75	2,000	12,000
Paddy transplanting by transplanter	65	80	22,250	26,000
Alternate crop cultivation – wheat	92	20	10,550	13,225
Preparation of value added products	230	13	-	5,000/month

11.B. Cases of large scale adoption :

Management of fruit fly in Mango

Mango is a major fruit crop of this district occupying about 35,000 ha. The yield loss in mango may be attributed to many factors. Among them fruit fly attack alone causes 20 – 30 % yield loss. The farmers do not take any exclusive measures in controlling this pest, because of the ignorance of its management. Hence an OFT was conducted during 2005-2006 and the type of pheromone trap for management of fruit fly was assessed. After the OFTs, demonstrations were conducted during 2006-07, 2007-08, 2008-09, 2009-10 and 2010-11. The trainings were also conducted in all blocks of the district to create awareness on fruit fly. The incidence and yield loss were explained among the mango growers. This lead to greater impact on management of fruit flies. The control of fruit flies is particularly difficult on small orchards because of the constant immigration of flies from near by area. Scientists from IIHR, Bangalore visited the demonstration field and collaborative demonstrations were conducted in another 60 ha. This made an impact among the farmers and huge number of enquires came from the farmers on pheromone trap for fruit fly. The technical presentations were regularly done during the meetings of agricultural officials. Commissioner of Agriculture allotted about 1 lakh rupees for conducting FLD under ATMA. Also the farmers are being supplied with fruit fly traps with a

nominal cost of Rs.66 / trap which is being gaining popularity among the mango growers of this district. So far the area covered under the management of fruit fly has got extended upto 1000 ha.

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

(1) MANAGEMENT OF FRUIT FLY IN MANGO

- Pre evaluation:

  Proper fruitfly control measures were not followed because of the leasing practice among the farmer

- Post evaluation:

  The awareness on use of Methyl euginal pheromone trap at the appropriate time was created for effective control of fruitfly at appropriate time. 500 farmers adopted the technology in Krishnagiri taluk during the reporting period. There is a plan to control the fruitfly at large scale on community approach and through mango growers association. This year Commissioner of Agriculture allotted about 1 lakh rupees for conducting FLD in all 10 blocks and is in progress.

(2) PADDY TRANSPLANTER

- Pre evaluation:

  Usually farmers adopt manual planting

- Post evaluation:

  Now 100 acres have been planted using paddy transplanter. Because of our demonstration, more number of paddy transplanters may be allotted to the paddy growers and FIGs with 50% subsidies by Agricultural Engineering department.

PART XII – LINKAGES

12.A. Functional linkage with different organizations

Name of the organization	Nature of linkage
Tamil Nadu Agricultural University, RRS, Paiyur	Technical guidance for FLDs and OFTs and other researchable issues
TNAU, Coimbatore	Over all technical guidance
Indian Institute of Horticultural Research, Bangalore	Technical guidance for FLDs and OFTs Collaboration in conducting demonstrations of IIHR technologies
Regional Research Station, IARI, Wellington	Technical guidance and collaboration - FLD on "Popularization of Wheat" in Krishnagiri District.
Veterinary University Training and Research Centre (VUTRC), Dharmapuri	Technical guidance for FLDs and OFTs and Sponsored mass contact programmes
NABARD, Krishnagiri	Village adoption programmes and formation of VVV clubs, Collaboration in conducting skill development initiative programme, Farmers Technology transfer fund programmes(FTTF), MEDP
Department of Agriculture, Krishnagiri	Trainings for farmers, Trainings for extension functionaries in collaboration with the State Dept. of Agriculture.
Soil Testing Laboratory & Mobile Soil Testing Lab	Conducting Soil sampling campaign
Department of Agricultural Engineering	Farm implements of Agricultural Engineering Department are being utilized for our demonstrations and trainings.
Department of Animal Husbandry	Sponsored and Joint veterinary camps, participating in Assistance to State Control of Animal Diseases (ASCAD) meetings, Collaborative linkage for conducting "Kalnadai Padukappu Thittam" camps and vaccination programmes
Forest Extension Centre, Jeenur	Collaborative training on importance of tree planting, vermi composting, sponsored training programmes to the Farmers Discussion Group
Department of women and child welfare	Collaborative trainings on nutrition and value addition techniques
NGOs	Collaborative linkage to conduct vocational trainings on Income Generation activities to their SHGs

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

Name of the scheme	Month of initiation	Funding agency	Amount (Rs.)
Village Development Plan – Phase II	February – 11	NABARD	2.5 lakhs
CAT(Exposure visit)	February - 11	NABARD	60,000
MEDP	March – 11	NABARD	84,000
FTTF	March – 10	NABARD	53,600

12.C. Details of linkage with ATMA

a) Is ATMA implemented in your district :

Coordination activities between KVK and ATMA during 2010-11

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	**Meetings**	**-**	**-**	**-**	**-**
02	**Research projects**	**-**	**-**	**-**	**-**
03	**Training programmes**	**-**	**-**	**-**	**-**
04	**Demonstrations**	Field crops, Horticultural crops & Farm implements		9	Yet to be completed as the fund has been released during March 2011
05	**Extension Programmes**				
	Kisan Mela	**-**	**-**	**-**	**-**
	Technology Week	**-**	**-**	**-**	**-**
	Exposure visit	a. 5 days inter state exposure visit to Kerala b. Two 1 day exposure visit to coimbatore		**3**	Completed
	Exhibition	Farmers Day		**1**	Completed
	Soil health camps	**-**	**-**	**-**	**-**

	Animal Health Campaigns	-	-	-	-
	Others (Pl. specify)	-	-	-	-
06	**Publications**	-	-	-	-
	Video Films	-	-	-	-
	Books	-	-	-	-
	Extension Literature	-	-	-	-
	Pamphlets	-	-	-	-
	CD Preparation	Coconut cultivation		**1**	Yet to be completed as the fund has been released during March 2011
07	**Other Activities** (Pl. specify)	-	-	-	-
	Watershed approach	-	-	-	-
	Integrated Farm Development	-	-	-	-
	Agri-preneurs development	-	-	-	-

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

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

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

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

12.F. Details of linkage with RKVY

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

12. G Kisan Mobile Advisory Services

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
April 2010	-	-	-
May	-	-	-
June	-	-	-
July	-	-	-
August	-	-	-
September	-	-	-
October	-	-	-
November	-	-	-
December	-	-	-
January 2011	1	669	-
February	13	9119	-
March	2	1644	-

PART XIII – PERFORMANCE OF INFRASTRUCTURE IN KVK

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

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

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

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty	Cost of inputs	Gross income	
Cereals	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
Fibers	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
Spices & Plantation crops									
	-	-	-	-	-	-	-	-	-
Floriculture	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
Others (specify)									
-	-	-	-	-	-	-	-	-	-

-	-	-	-	-	-	-	-	-	-

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

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

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	
-	-	-	-	-	-	-	-

13.E. Utilization of hostel facilities

Accommodation available (No. of beds)

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

13.F. Database management

S. No	Database target	Database created
-	-	-

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

Amt sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created/micro irrigation sys., etc.	Activities conducted					Qty. of water harvested in '000 lit.	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		
-	-	-	-	-	-	-	-	-	-

PART XIV – FINANCIAL PERFORMANCE

14.A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	-	-					
With KVK	Central Bank of India	Krishnagiri	KRISHN	KVK Main	2014170869	000016000	CBIN0282107
	Central Bank of India	Krishnagiri	KRISHN	FLD oilseeds and pulses	2014183165	000016000	
	Central Bank of India	Krishnagiri	KRISHN	Revolving Fund	2014145460	000016000	
	Central Bank of India	Krishnagiri	KRISHN	FLD Cotton	2014198773	000016000	
	Central Bank of India	Krishnagiri	KRISHN	Other projects	2014207086	000016000	
	Canara Bank	Krishnagiri	KRISHI	KVK Main	2836101004975	635015002	CNRB0002836

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

S. No	Items / Head	Opening balance if any	Remittance by ZPD VIII Bangalore	Actual expenditure dubitable to Council A/C	Closing balance if any	Remarks
1	**Production Technology – 50 ha**					
	a. Essential inputs	**-**	**-**	17,576.50	**-**	**-**
	b. POL, hiring vehicle, Kisan melas, printed materials, reports, demonstration boards	**-**	**-**	7789.00	**-**	**-**
Total		**-**	**-**	**25,365.50**	**-**	**-**
2.	**Farm Implements – 75 ha**					
	a. New equipments	**-**	**-**	**-**	**-**	**-**
	b. Contingencies	**-**	**-**	5000.00	**-**	**-**
Total				**5000.00**	**-**	**-**

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**	40,00,000	40,00,000	39,18,274
	Pay & Allowance (6th CPC arrears from 01.01.2006 to 31.03.2011)	54,70,000	54,69,738	54,69,738
2	**Traveling allowances**	1,25,000	1,25,000	1,25,615
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2,00,000	2,00,000	2,00,001
B	POL, repair of vehicles, tractor and equipments	1,60,000	1,60,000	1,60,019
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1,00,000	1,00,000	1,00,053
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	40,000	40,000	40,000
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2,30,000	2,30,000	2,30,192
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	55,000	55,000	54,783
G	Training of extension functionaries	25,000	25,000	25,290
H	Maintenance of buildings	30,000	30,000	30,360
I	Extension activities	30,000	30,000	29,983
J	Farmers Field School	25,000	25,000	25,000
k	Establishment of Soil, Plant & Water Testing Laboratory	-	-	-
l	Library	5,000	5,000	5087
TOTAL (A)		**1,04,95,000**	**1,04,95,000**	**1,04,14,409**
B. Non-Recurring Contingencies				
1	**Works**	-	-	-
2	**Equipments including SWTL & Furniture**	7,50,000	7,50,000	7,48,190
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	-	-	-
4	**Library** (Purchase of assets like books & journals)	10,000	10,000	10,061
TOTAL (B)		7,60,000	7,60,000	7,58,251
C. REVOLVING FUND		-	-	-

GRAND TOTAL (A+B+C)	**1,12,55,000**	**1,12,55,000**	**1,11,72,660**

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	0.03495	0.03760	0.01250	0.06005
April 2009 to March 2010	0.06005	0.03760	0.01250	0.08515
April 2010 to March 2011	0.08515	0.03980	0.01480	0.11015

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
Mrs. S. Poomathi	SMS Home Science	Post Harvest technologies in Horticultural crops	IIHR, Bangalore	17.08.10 – 24.08.10
Dr. T. Sundarraj	PCO	International workshop on SRI	Hosur	11.08.10 – 12.08.10
Mr. S. Sekar	SMS Agronomy	Agricultural Knowledge Management	TNAU, Coimbatore	26.10.10 – 29.10.10
Dr. T. Sundarraj	PCO	Management of Mealy bug	Indian Institute of Agriculturally important insects, Bangalore	30.10.10
Mr.S.Senthil Kumar	SMS Agricultural Extension	Strengthening gender perspective in agricultural research & extension	TANUVAS	24.01.11 – 25.01.11
Mr. K. Gunasekar	SMS Soil Science	Advances in Soil health & Soil fertility management	TNAU, Coimbatore	21.03.11- 23.03.11
Mrs. S. Poomathi	SMS Home Science	Recent advances in Crop processing technologies	Indian Institute of crop processing technology - Thanjavur	23.03.11- 25.03.11
Mr. T. I. Ramesh Babu	SMS Horticulture	Protected Cultivation of Horticultural crops	TNAU, Coimbatore	28.03.11 – 29.03.11
Mrs. R. Ruba Mangala	Programme Assistant (Computer)	Development of database, creation of web page & web content	TNAU, Coimbatore	29.03.11 – 31.03.11
Mr. S. Sekar	SMS Agronomy	Weather based advisory services	TNAU, Coimbatore	30.03.11 – 31.03.11

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

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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	Jasmine	Foliar nutrition in jasmine for higher productivity	10
	Mango	Evaluation of foliar nutrition in mango	5
Varietal Evaluation	Brinjal	Assessment on the performance of brinjal hybrids	5
	Lablab	Assessment of bush type vegetable lablab	5
	Ragi	Assessment on performance of ragi varieties	5
	Samai	Assessment on performance of Samai varieties	5
Integrated Pest Management	Banana	Management of Pseudo stem weevil of banana	5
Integrated Crop Management	Redgram	Assessment of planting methods in redgram	5
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			**45**

Summary of technologies assessed under livestock

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

Summary of technologies assessed under various enterprises

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

Summary of technologies assessed under home science

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

II. TECHNOLOGY REFINEMENT

Summary of technologies refined under various crops

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

Summary of technologies assessed under refinement of various livestock

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

Summary of technologies refined under various enterprises

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

Summary of technologies refined under home science

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

III. FRONTLINE DEMONSTRATION

Cotton

Frontline demonstration on cotton

Crop	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demo	Check		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Cotton	Integrated Crop Mgt.	Full package of practices	-	12	5	12.50	10.22	18.00	17725	40000	22274.5	2.26	19080	32720	13639	1.72
Total				**12**	**5**	**12.50**	**10.22**	**18.00**	**17725**	**40000**	**22274.5**	**2.26**	**19080**	**32720**	**13639**	**1.72**

Other crops

Crop	Thematic area	Name of the tech. demonstrated	No. of KVK	No. of Farm-ers	No. of units	Major parameters		% change in major parameter	Parameters	Other parameter		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demo	Check			Demo	Check	Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Cereals																			
Paddy	Populari-Zation of hybrids	Popularization of hybrid under SRI	-	20	8	74.38	54.01	37.71	Tillers/hill	24	15	29342.50	82669	53326	2.82	32322.50	57063	24741	1.77
									Productive tiller/hill	21	12								
									No. of grains/ panicle	144	108								
Paddy	Disease mgt.	Cultivation of CO 49	-	10	4	65.18	54.30	20.32	Blast %	4.8	44	23299	58666	35366	2.52	23921	48861	24939	2.05
									BPH %	10	76								
Wheat	Popular-ization	Popularization of wheat COW(W) 1	-	10	2	22.55	-	-	Germination %	89	-	14815	31575	16760	2.13	-	-	-	-
									Population/ m^2	122	-								
									Days to 50 % flowering	52	-								
									Grains/ pike	47	-								

Millets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pulses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vegetables																				
Brinjal	Pest mgt.	Management of Fruit & Shoot borer		5	1	Ongoing														
Tomato	Popularization	Cultivation of Arka Ananya		10	2	585.3	505.7	15.8	% wilt	2.13	6.38	74105	292650	218545	3.95	81745	252850	171855	3.12	
French bean	Popularization	Cultivation of Arka Anoop		10	2	149.6	134	11.7	% mosiac	2.07	6.59	39005	224445	185440	5.75	39010	200940	161930	5.15	
Onion	Popularization	Cultivation of Co(On) 5		10	2	Ongoing														
Flowers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruit	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Banana	ICM	Micronutrient management in Banana	-	10	4	34.16	27.75	23.03	Fingers/ hand	11.4	10.7	129550	546483	416933	4.22	106900	388555	281655	3.63	
		Popularization of Banana bunch cover		10	4				Hands/ bunch	11	10.8									
									Wt./bunch	11.7	9.5									
									Price/kg	16	14									
Mango		Management of Fruitfly		10	5	**Ongoing**														
Mango		Micronutrient mgt in mango		10	5															
Spices and condiments																				
Turmeric	Disease mgt.	Management of Rhizome rot in turmeric using bioagents		25	4	58.30	50.00	16.68	Disease %	3.1	24.4	70005	641300	571295	9.16	70440	550000	479560	7.81	
Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medicinal & aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Fodder																				
Fodder bank	Populari-zation	Popularization of fodder bank		25	1	**Ongoing**														
Plantation	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Fibre	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Others (pl.specify)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Livestock

Crop	**Thematic area**	**Name of the tech. demons trated**	**No. of KVK**	**No. of Farm -ers**	**No. of units**	**Major parameters**		**% change in major para meter**	**Parameters**	**Other parameter**		***Economics of demonstration (Rs./ha)**				***Economics of check (Rs./ha)**			
						De mo	**Ch eck**			**De mo**	**Che ck**	**Gross Cost**	**Gross Return**	**Net Return**	**BCR**	**Gross Cost**	**Gross Return**	**Net Return**	**BCR**
Diary	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Poultry	Breeding Mgt.	Community owned small scale incubator	-	10	1	Ongoing													
Rabbi try	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Pigge ry	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Sheep & goat	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Ducke ry	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Others	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Fisheries

Category	Thematic area	Name of the tech. demonstrated	No. of KVK	No. of Farm-ers	No. of units	Major parameters		% change in major parameter	Parameters	Other parameter		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demo	Check			Demo	Check	Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Common carps	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mussels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Other enterprises

Category	Name of the tech. demonstrated	No. of KVK	No. of Farm-ers	No. of units	Major parameters		% change in major parameter	Parameters	Other parameter		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check			Demo	Check	Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Vegetable preservator	**Use of low cost portable vegetable preservator**	**-**	**10**	**2**	**-**	**-**	**-**	**Shelf life – Tomato (days)**	12	4	65050	127735	62685	1.96	68020	117635	49615	1.72

Women empowerment

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

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of KVKs	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit ect.)			
						Demonstration	Check									
Paddy transplanter	Paddy	Mechanization of paddy cultivation	-	5	2	M – 6 F - 50	M – 12 F - 2	78	78	-	-	-	2433	-	-	-
Turmeric boiler	Turmeric	Popularization of improved TNAU turmeric boiler	-	25	10	7.15	26.04	72.57	72.57	-	-	-	14514	-	-	-
Portable mini sprinkler	Groundnut, Vegetables	Popularization of portable mini sprinkler	-	20	10	Ongoing										

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	CORH 3	20	8	74.38	54.01	37.71	29343	82669	53326	2.82
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	Arka Ananya	10	2	585	506	15.8	74105	292650	218545	3.95

Brinjal	-	-	-	-	-	-	-	-	-	-
Okra	-	-	-	-	-	-	-	-	-	-
Onion	-	-	-	-	-	-	-	-	-	-
Potato	-	-	-	-	-	-	-	-	-	-
Field bean	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-	-	-	-	-
Sugarcane	-	-	-	-	-	-	-	-	-	-
Coconut	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-
Fodder crops	-	-	-	-	-	-	-	-	-	-
Maize (Fodder)	-	-	-	-	-	-	-	-	-	-
Sorghum (Fodder)	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
Total										

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	1	20	-	20	-	-	-	20	-	20
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	1	13	4	17	2	2	4	15	6	21
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	1	15	3	18	-	-	-	15	3	18
Integrated Crop Management	4	43	8	51	11	5	16	54	13	67
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	1	18	2	20	-	-	-	18	2	20
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	4	65	2	67	5	3	8	70	5	75
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	2	43	18	61	-	-	-	43	18	61
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	-	-	-	-	-	-	-	-	-	-
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Disease Management	1	22	-	22	-	-	-	22	-	22
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	1	3	15	18	-	-	-	3	15	18
Cultivation of Fruit	2	16	9	25	10	-	10	26	9	35
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	2	30	8	38	-	-	-	30	8	38
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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	1	14	3	17	-	-	0	14	3	17
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	7	120	23	143	1	7	8	121	30	151
Production and use of organic inputs	4	36	2	38	-	-	-	36	2	38
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	1	20	-	20	-	-	-	20	-	20
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	1	19	2	21	-	-	-	19	2	21
Soil and water testing	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management										
Dairy Management	1	15	6	21	-	-	-	15	6	21
Poultry Management	1	5	15	20	-	-	-	5	15	20
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Animal Disease Management	1	15	3	18	-	-	-	15	3	18
Feed and Fodder technology	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	3	-	68	68	-	-	-	-	68	68
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	3	-	46	46	14	-	14	14	46	60
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	2	4	43	47	-	5	5	4	48	52
Value addition	1	-	15	15	-	-	-	-	15	15
Women empowerment	1	-	-	-	-	21	21	-	21	21
Location specific drudgery production	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering										
Farm machinery and its maintenance	2	33	4	37	3	-	3	36	4	40
Installation and maintenance of micro irrigation systems	2	37	2	39	-	-	0	37	2	39
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	5	43	16	59	1	14	15	44	30	74
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Mechanization in Paddy	1	20	-	20	-	-	0	20	0	20
Plant Protection										
Integrated Pest Management	1	19	-	19	-	-	-	19	-	19
Integrated Disease Management	6	84	48	132	-	1	1	84	49	133
Bio-control of pests and diseases	3	41	19	60	-	-	-	41	19	60
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**67**	**813**	**384**	**1197**	**47**	**58**	**105**	**860**	**442**	**1302**

Farmers' Training including sponsored training programmes (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	2	18	9	27	-	-	0	18	9	27
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	1	12	1	13	1	-	1	13	1	14
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	1	3	17	20	3	3	6	6	20	26
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	1	-	-	-	20	-	20	20	-	20
Off-season vegetables	1	18	-	18	-	-	-	18	-	18
Nursery raising	2	26	10	36	-	-	-	26	10	36
Exotic vegetables	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
b) Fruits										
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants										
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
f) Spices										
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants										
Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management										
Soil fertility management	-	-	-	-	-	-	-	-	-	-
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	3	54	6	60	-	-	-	54	6	60
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management										
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Animal Disease Management	-	-	-	-	-	-	-	-	-	-
Feed and Fodder technology	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-			
Design and development of low/minimum cost diet	1	-	15	15	-	8	8	-	23	23
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	1	-	2	2	-	19	19	-	21	21
Value addition	-	-	-	-	-	-	-	-	-	-
Women empowerment	1	-	12	12	-	-	-	-	12	12
Location specific drudgery production	-	-	-	-	-	-	-	-		
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering										
Farm machinery and its maintenance	2	32	7	39	-	-	-	32	7	39
Installation and maintenance of micro irrigation systems	1	16	5	21	-	-	-	16	5	21
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	-	-	-	-	-	-	-	-	-	-
Mechanization in Paddy	1	19	-	19	-	-	-	19	-	19
Plant Protection										
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Integrated Disease Management	3	91	-	91	-	-	-	91	-	91
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Fisheries										
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site										
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics										
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry										
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**21**	**289**	**84**	**373**	**24**	**30**	**54**	**313**	**114**	**427**

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	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-

Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-

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

Area of training	**No. of Courses**	**No. of Participants**								
		General			**SC/ST**			**Grand Total**		
		Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-

Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	2	-	29	29	-	-	-	-	29	29
Small scale processing	3	-	52	52	12	11	23	12	63	75
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**5**	**-**	**81**	**81**	**12**	**11**	**23**	**12**	**92**	**104**

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	2	54	-	54	-	-	-	54	-	54
Integrated Pest Management	2	43	11	54	-	-	-	43	11	54
Integrated Nutrient management	1	37	3	40	-	-	-	37	3	40
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	1	9	10	19	-	-	-	9	10	19
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	1	-	28	28	-	-	-	-	28	28
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
Total	**7**	**143**	**52**	**195**	**-**	**-**	**-**	**143**	**52**	**195**

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	1	-	30	30	-	-	-	-	30	30
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	**1**	**-**	**30**	**30**	**-**	**-**	**-**	**-**	**30**	**30**

Sponsored training programmes

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Increasing production and productivity of crops	-	-	-	-	-	-	-	-	-	-

1.b.	Commercial production of vegetables	-	-	-	-	-	-	-	-	-	-
2	**Production and value addition**										
2.a.	Fruit Plants	-	-	-	-	-	-	-	-	-	-
2.b.	Ornamental plants	-	-	-	-	-	-	-	-	-	-
2.c.	Spices crops	-	-	-	-	-	-	-	-	-	-
3.	**Soil health and fertility management**	-	-	-	-	-	-	-	-	-	-
4	**Production of Inputs at site**	-	-	-	-	-	-	-	-	-	-
5	**Methods of protective cultivation**	-	-	-	-	-	-	-	-	-	-
6	**Others (pl.specify)**	-	-	-	-	-	-	-	-	-	-
7	**Post harvest technology and value addition**	-	-	-	-	-	-	-	-	-	-
7.a.	Processing and value addition	4	-	140	140	20	40	60	20	180	200
7.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
8	**Farm machinery**										
8.a.	Farm machinery, tools and implements	-	-	-	-	-	-	-	-	-	-
8.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
9.	**Livestock and fisheries**										
10	**Livestock production and management**										
10.a.	Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
10.b.	Animal Disease Management	-	-	-	-	-	-	-	-	-	-
10.c	Fisheries Nutrition	-	-	-	-	-	-	-	-	-	-
10.d	Fisheries Management	-	-	-	-	-	-	-	-	-	-
10.e.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
11.	**Home Science**										
11.a.	Household nutritional security	-	-	-	-	-	-	-	-	-	-
11.b.	Economic empowerment of women	-	-	-	-	-	-	-	-	-	-

11.c.	Drudgery reduction of women	-	-	-	-	-	-	-	-	-	-
11.d.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
12	**Agricultural Extension**										
12.a.	Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
12.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
	Total	**4**	**-**	**140**	**140**	**20**	**40**	**60**	**20**	**180**	**200**

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

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Commercial floriculture	-	-	-	-	-	-	-	-	-	-
1.b.	Commercial fruit production	-	-	-	-	-	-	-	-	-	-
1.c.	Commercial vegetable production	-	-	-	-	-	-	-	-	-	-
1.d.	Integrated crop management	-	-	-	-	-	-	-	-	-	-
1.e.	Organic farming	-	-	-	-	-	-	-	-	-	-
1.f.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
2	**Post harvest technology and value addition**										
2.a.	Value addition	-	-	-	-	-	-	-	-	-	-
2.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
3.	**Livestock and fisheries**										

3.a.	Dairy farming	-	-	-	-	-	-	-	-	-	-
3.b.	Composite fish culture	-	-	-	-	-	-	-	-	-	-
3.c.	Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
3.d.	Piggery	-	-	-	-	-	-	-	-	-	-
3.e.	Poultry farming	-	-	-	-	-	-	-	-	-	-
3.f.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
4.	**Income generation activities**										
4.a.	Vermi-composting	-	-	-	-	-	-	-	-	-	-
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.	-	-	-	-	-	-	-	-	-	-
4.c.	Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
4.d.	Rural Crafts	-	-	-	-	-	-	-	-	-	-
4.e.	Seed production	-	-	-	-	-	-	-	-	-	-
4.f.	Sericulture	-	-	-	-	-	-	-	-	-	-
4.g.	Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
4.h.	Nursery, grafting etc.	-	-	-	-	-	-	-	-	-	-
4.i.	Tailoring, stitching, embroidery, dying etc.	-	-	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-	-	-

V. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	145	304	-	304
Diagnostic visits	136	857	-	857
Field Day	11	322	5	327
Group discussions	-	-	-	-
Kisan Ghosthi	-	-	-	-
Film Show	-	-	-	-
Self -help groups	2	122	4	126
Kisan Mela	-	-	-	-
Exhibition	2	747	24	771
Scientists' visit to farmers field	-	-	-	-
Plant/animal health camps	-	-	-	-
Farm Science Club	1	40	6	46
Ex-trainees Sammelan	-	-	-	-
Farmers' seminar/workshop	-	-	-	-
Method Demonstrations	10	453	7	460
Celebration of important days	-	-	-	-
Special day celebration	-	-	-	-
Exposure visits	5	165	-	165
Others (pl.specify)				
Total	**315**	**3010**	**46**	**3056**

Details of other extension programmes

Particulars	Number
Electronic Media	-
Extension Literature	25
News Letter	3
News paper coverage	42
Technical Articles	6
Technical Bulletins	-
Technical Reports	-
Radio Talks	-
TV Talks	-
Animal health amps (Number of animals treated)	-
Others (pl.specify)	-
Total	**76**

-

VI. PRODUCTION OF SEED/PLANTING MATERIAL

Production of seeds by the KVKs

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

Production of planting materials by the KVKs

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

Production of Bio-Products

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

Production of livestock and related enterprise materials

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

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

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	-	-	-	-
Water	-	-	-	-
Plant	-	-	-	-
Manure	-	-	-	-
Others (pl.specify)	-	-	-	-
Total	-	-	-	-

VIII. SCIENTIFIC ADVISORY COMMITTEE

Number of SACs conducted
1

IX. NEWSLETTER

Number of issues of newsletter published
3

X. RESEARCH PAPER PUBLISHED

Number of research paper published
-

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

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

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