

**PART I - GENERAL INFORMATION ABOUT THE KVK**

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

KVK Address	Telephone		E mail	Web Address
<b>Programme</b> <b>Coordinator</b> Krishi Vigyan Kendra Kilnelli village, Chithathur post, Cheyyar Taluk, Thiruvannamalai Dist. Tamil Nadu. Pin code : 604 410.	04182	04182	<a href="mailto:kvktvmalai91@gmail.com">kvktvmalai91@gmail.com</a>	<a href="http://www.kvkthiruvannamalai.com">www.kvkthiruvannamalai.com</a>
	-	-		
	293484	201525		

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

Address	Telephone		E mail	Web Address
	Office	FAX		
The President, TamilNadu Board of Rural Development, No.24, Crescent park street, T.Nagar, Chennai-17. Tamil Nadu.	044 – 24360234	044 - 24360234	<a href="mailto:tnbrd1978@gmail.com">tnbrd1978@gmail.com</a>	-

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Mr.N.Rameshraj	-	9943727419	-

**1.4. Year of sanction** : May - 1991 ( No.5(108)/90-KVK Dt. 28.03.1991

1.5. Staff Position (as 31<sup>st</sup> March 2014)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale with present basic	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Programme Coordinator	Vacant	-	-	-	-	-	-	-	-
<b>Pay scale : 15600 – 39100 + GP 5400/-</b>										
2	Subject Matter Specialist	Mr.N.Rameshraj	SMS	M	Horticulture	<i>M.Sc(Ag.) Hort..</i>	<i>21620/-</i>	04.07.2003	Permanent	OBC
3	Subject Matter Specialist	Mrs.T.Margaret	SMS	F	Home Science	<i>M.Sc, M.phil</i>	<i>21620/-</i>	04.07.2003	Permanent	OBC
4	Subject Matter Specialist	Mr.P.Narayanan	SMS	M	Plant protection	<i>M.Sc(Plant protection)</i>	<i>15600/-</i>	08.01.2014	Permanent	OBC
5	Subject Matter Specialist	Dr.A.Elamaran	SMS	M	Animal Science	<i>M.V.Sc.,</i>	<i>15600/-</i>	17.01.2014	Permanent	OBC
6	Subject Matter Specialist	Mr.V.Suresh	SMS	M	Agri. Extension	<i>M.Sc(Agri. Extn.)</i>	<i>15600/-</i>	20.01.2014	Permanent	OBC
7	Subject Matter Specialist	Mr.P.Rajesh	SMS	M	Agronomy	<i>M.Sc(Ag.)</i>	<i>15600/-</i>	20.01.2014	Permanent	OBC
<b>Pay scale : 9300-34800 + GP 4200/-</b>										
8	Programme Assistant – T4	Mr.O.Sekar	Comp. programmer	M	-	<i>B.Sc, PGDCA</i>	<i>17830/-</i>	01.09.1997	Permanent	OBC
9	Farm manager	Mr.D.Ilayakumar	Farm Manager	M	Agriculture	<i>B.Sc(Ag.)</i>	<i>9710/-</i>	28.07.2012	Permanent	SC
10	Programme Assistant – T4	Mr.M.Vijayrajan	Lab Technician	M	Horticulture	<i>B.Sc (Horticulture)</i>	<i>9300/-</i>	01.08.1995	Permanent	OBC
11	Assistant	Mrs.M.Viji	Assistant/ Accountant	F	-	M.Com.,	<i>18660/-</i>	01.02.1993	Permanent	OBC

<b>Pay scale : 5200-20200 + GP 2400/-</b>										
12	Jr. Stenographer Grade - III	Mrs.A.K.Geetha	Stenographer	F	-	B.Com, DCA	<b>11510/-</b>	01.10.1997	Permanent	OBC
<b>Pay scale : 5200-20200 + GP 2000/-</b>										
13	Driver	Mr.S.Janarthanan	Jeep Driver	M	-	<b>8th</b>	<b>9510/-</b>	01.09.1993	Permanent	OBC
14	Driver	Mr.T.Selvaraj	Tractor Driver	M	-	<b>9th</b>	<b>9360/-</b>	01.01.1996	Permanent	OBC
<b>Pay scale : 5200-20200 + GP 1800/-</b>										
15	Supporting staff	Mr.T.Varadhan	Animal Attender	M	-	<b>5th</b>	<b>8200/-</b>	01.02.1994	Permanent	OBC
16	Supporting staff	Mr.G.Selvam	Horticulture Attender	M	-	<b>5th</b>	<b>8200/-</b>	01.07.1995	Permanent	SC

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

S.No	Item	Area ( ha )
a.	Under building	2.0
b.	Orchard/Agro-forestry	1.6
c.	Under Crops	9.0
d.	Under Demonstration Units	3.2
e.	Others	4.2
<b>Total</b>		<b>20.0</b>

### 1.7. Infrastructural Development:

#### Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	1997	696	25,34,244.00	Not applicable		
2.	Farmers Hostel	ICAR	1998	305	14,96,643.00			
3.	<b>Staff Quarters</b>							
	1. SMS quarters	ICAR	1997	390	13,42,350.00			
	2. Assistant Quarters	ICAR	1998	300	9,00,000.00			
4.	<b>Demonstration Units</b>							
	1. Animal shed	ICAR	1997	145.0	173384.05			
	2. Poultry shed	ICAR		29.2	88793.75			
	3. Goat shed	ICAR		22.1	88793.75			
	4. Mushroom shed	ICAR		24.7	96797.35			
	5. Workshop	ICAR		65.79	181236.25			
5	Fencing	ICAR			6407.3 Meter		5,58,765.00	
6	Threshing floor	ICAR		270.8	2,92,757.00			

## PART II - DETAILS OF DISTRICT

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

S.No.	Farming system/Enterprises
1.	Paddy – Paddy (Irrigated)
2.	Paddy-Groundnut – vegetables (Irrigated)
3.	Groundnut-Pulses (Rainfed)
4.	Vegetable-Vegetables (Irrigated)

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

S.No.	Agro-climatic Zone	Characteristics
1.	North Eastern Zone, Viruthachalam	The Mean average temperature is 28.62°C. Hot during summer ( 35 – 37°C. Cool during winter periods ( 24 – 26°C. The temperature regime is hyper thermic.
S.No.	Agro-ecological situation	Characteristics
1.	Comes under Eastern ghats (TN uplands) and Deccan plateau.	Hot semi arid eco region with red loamy soils.

### 2.3 Soil types

Four soil groups viz deep red soil, thin red soil, clayey soil and gravelly soil are in the district. The predominant soil type in the district is red. Red series loam is found in all the taluks with concentration in Polur taluk, Red series sand is also found in all the taluks but predominantly in Thiruvannamalai, Chengam and Vandavasi taluks. Different types of soil like ferruginous loamy and sandy are seen throughout the district. Black series of loam is found in tank and river bed areas of Vandavasi and Cheyyar taluks.

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

S.No.	Crop	Area ( ha)	Production (Tonnes. )	Productivity (Kg/ha)
<b>Cereals</b>				
1.	Paddy	103924	356196	3427
2.	Cumbu	590	689	1168
4	Maize	1053	6458	6133
5.	Ragi	1828	4716	2580
6.	Sugarcane	37794	4411273	116719
<b>Oilseeds</b>				
7.	Groundnut	56281	154136	2739
8.	Gingelly	1456	867	595
9.	Sunflower	6129	12258	2000
10.	Cotton	761	2132	2802
<b>Pulses</b>				
11.	Redgram	3213	2567	799
12.	Blackgram	17713	6943	392
13.	Greengram	2354	1883	800

<b>Vegetables</b>				
14.	Brinjal	284	3021	10637
15.	Tomato	124	1496	12065
16.	Bhendi	308	2679	8698
<b>Spices and Condiments</b>				
17.	Chillies	481	210	437
18.	Turmeric	1246	6826	5478
<b>Fruits</b>				
19.	Banana	3205	140041	43695
20.	Mango	631	168	266

Source: Department of Economics and Statistics, Chennai-6

## 2.5. Weather data

Month	Rainfall(mm)	Temperature °C		Relative Humidity (%)
		Maximum	Minimum	
April'13	-	32.3 – 36.7	24.7 – 26.6	70-78
May'13	-			
June'13	30.0			
July'13	48.0			
August'13	118.0			
September'13	186.0			
October'13	160.0			
November'13	174.0			
December'13	62.8			
January'14	-			
February'14	-			
March'14	-			

Source: Statistical Department, Thiruvannamalai

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

Category	Population	Production
<b>Cattle</b>		
Cross breed/Exotic	480704	357.009 (in '000 tonnes)
Indigenous	236632	37.776 (in '000 tonnes)
Buffaloes	22,686	11.532 (in '000 tonnes)
Sheep	366752	424.14 (in '000 kgs)
Goats	272823	341.44 (in '000 kgs)
Pigs	5979	17.20 (in '000 kgs)
Poultry	501552	88.34 eggs in lakhs

Source : Department of Animal husbandry, TamilNadu.

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

## 2.8 Details of Operational area / Villages

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Arni	Arni	Agrapalayam, Ondikudisai, Ariyapadi, Pattankulam, Chettithangal, Panaiyur,	3 years	Paddy	Weed infestation, Improper nutrition, Improper cultivation practices	ICM
					Paddy	Labour shortage, High cost of cultivation, Low yield, Higher seed rate	Mechanization
							SRI
					Paddy	High weed infestation, Improper weed management, low yield	IWM
							Value addition
					Milletts	Low market price	Value addition
					Brinjal	Imbalanced nutrition, Poor quality seedlings and field establishment	ICM
							Shoot and fruit borer, Blight
					Chillies	Imbalanced fertilization	INM
					Field crops	Low market price	Value addition
					Cattle	Mastitis	Disease management
IFS	Low income, Lack of awareness on farming system	IFS					
Pulpwood, Matchwood	Poor yield, Low income, Poor utilization of waste land	Contract farming					
Bamboo	Poor utilization of waste land	Agro forestry system					

	Arni	West Arni	Pudhupalayam, Vannankulam, Iyyampalayam, Kilnagar		Paddy	Improper fertilization	INM
					Groundnut	Poor yield varieties, Lack of knowledge on high yielding varieties	Varietal assessment
					Field crops	Low market price	Value addition
					Banana	Imbalanced fertilization	INM
						Low market price	Value addition
					IFS Vegetable	Low income, Lack of awareness on farming system	IFS
						Low market price	Value addition
Mushroom	Lack of knowledge on mushroom cultivation techniques	Mushroom production					
2	Chengam	Chengam	Periyakolapadi, Chinnakolapadi, Eraiyr, Periyakalthampadi	1 year	Groundnut	Improper cultivation practices, Low yield, High expenditure	ICM
					Tomato	Low germination rate, Poor quality seedlings and field establishment	Nursery management
						Lack of cultivation of location specific hybrids	Varietal demonstration
						Imbalanced nutrition,	INM
						Fruit borer, Leaf curl,	IPM
					Mushroom	Lack of knowledge on mushroom cultivation techniques	Mushroom cultivation
Matchwood	Low income, Poor utilization of waste land	Contract farming					
3	Thandarampattu	Thandarampattu	Sathanoor, Periyakalthampadi	1 year	Maize	Higher seed rate, fertilizer, weed infestation, pest & disease, Low yield, low market price	ICM
					IFS	Low income, Lack of awareness on farming system	IFS
					Jasmine	Low yield, Yellowing of leaves	ICM
						Yellowing of leaves, Bud worm	IPM
						Imbalanced nutrition	INM



4	Vandavasi	Thellar	Desur,Achamangalam, Perungadaputhur,	3 years	Paddy	Weed infestation, Improper nutrition, Improper cultivation practices	ICM
					Sugarcane	Poor germination, low yield	Composting
						Improper nutrition, Nutrient deficiency, poor yield, higher expenditure	INM
					Blackgram	Improper cultivation practices, higher expenditure, low yield	ICM
					Bittergourd, Snakegourd	Low fruit set, Maleness, Imbalanced nutrition	ICM
						Fruit fly, Sucking pests, Downy mildew	IPM
					IFS	Low income, Lack of awareness on farming system	IFS
					Vegetable	Low market price	Value addition
Milk	Lack of knowledge on value addition	Value addition					
Bamboo	Poor utilization of waste land	Agro forestry system					
5	Polur	Polur	Kattukanallur, Kuppam, Reddithoppu, Samanthipuram Athimoor Athuvampadi	2 years	Paddy	Poor yield, lack of knowledge on pest management, improper management strategies	IPM
					Sugarcane	Poor germination, low yield	Composting
					Field crops	Lack of knowledge on farmers friendly equipments	Drudgery reduction
					Turmeric	Shortage of quality seed rhizomes,	Nursery management
						Low yield, Leaf spot and rhizome rot	ICM
						Imbalanced nutrition	INM
					Banana	Low bunch grade and weight, Fusarium wilt and Sigatoka leaf spot, Imbalanced nutrition	ICM Precision farming
						Lack of knowledge on improved planting methods	High Density Planting
Lack of knowledge on value addition	Value addition						

					Millets	Lack of knowledge on value addition	Value addition
					Mushroom	Lack of knowledge on mushroom cultivation techniques	Mushroom cultivation
					IFS	Low income, Lack of awareness on farming system	IFS
6	Thiruvanna malai	Thiruvanna malai	T.Valasai Andampallam Su.Valavetti		Chillies	Imbalanced nutrition	INM
						Fruit rot, Leaf curl	IPM
					Groundnut	Lack of awareness on fertilizer application, imbalance nutrient.	INM
					Paddy	Lack of awareness on fertilizer application,	INM

## 2.9 Priority thrust areas

S.No	Thrust area
1	Integrated crop management
2	Drought mitigation
3	Mechanization
4	Integrated Nutrient Management
5	Precision farming
6	Popularization of high yielding varieties and hybrids
7	Foliar nutrition in horticultural crops
8	Improved nursery management in vegetable crops
9	Integrated Pest and disease management
10	Dairy management
11	Integrated Farming System
12	Disease management in Cattle
13	Drudgery reduction
14	Value addition
15	Popularization of improved tree crops
16	Contract farming in pulp and matchwood.
17	Popularization of agro forestry systems.

**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
3	3	20	20	10	10	100	103

Training				Extension Programmes			
3				4			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
122	78	2440	1228	403	518	13405	17440

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
-	-	9300	6920

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
210	5	4010	8390

## 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	Mechanization	Paddy	Labour shortage, Improper spacing, Using higher seed rate & cost	-	Mechanization in paddy	1	-	-	1	-	-	-	-	-
2	Direct sown		Improper use of seeds and labour shortage, Improper spacing	-	ICM in direct sown paddy	3	-	-	1	-	-	-	-	-
3	ICM		Improper cultivation practices, Weed infestation, Pest and disease management	-	-	2	-	-	2	-	-	-	-	-
4	INM		Improper nutrition	-	-	1	-	-	-	-	-	-	-	-
5	IPM		Lack of awareness on pest management practices	-	-	1	-	-	-	-	-	-	-	-
6	SRI		Higher seed rate, Improper spacing, Low yield,	-	-	1	-	-	-	-	-	-	-	-

7	Post harvest management		Lack of knowledge for value addition	-	-	1			-					
8	Varietal assessment	Groundnut	Use of local variety, Lack of knowledge on drought variety	Assessment the groundnut varieties in rainfed condition	-	1	-	-	-	2.4 CO-6 & K6	-	-	-	-
9	ICM		Improper cultivation practices, Weed infestation, Pest and disease management		ICM in groundnut TMV-13	1	-	-	2	3 (TMV-13)	-	-	-	<ul style="list-style-type: none"> <li>▪ Rhizobium - 5 kg.</li> <li>▪ Phosphobacteri a- 5 kg</li> </ul>
10	INM		Improper nutrition	-	-	3	-	-	-	-	-	-	-	-
11	ICM	Blackgram	Using higher seed rate, fertilizer & improper management of weed, pest and disease	-	ICM in blackgram-VBN 6	1	-	-	1	1 VBN-6	-	-	-	<ul style="list-style-type: none"> <li>▪ Rhizobium - 8 kg.</li> <li>▪ Phosphobacteri a- 8kg</li> </ul>
12	Composting	Sugarcane	Poor germination due to Burning of trashes	Assessment of sugarcane trash composting techniques	-	1	-	-	1	-	-	-	-	<ul style="list-style-type: none"> <li>▪ TNAU microbial culture - 20 kg.</li> <li>▪ TNAU Bio mineraliser- 20 kg</li> <li>▪ EM solutions – 4 lit.</li> </ul>
13	INM		Improper nutrition	-	-	1	-	-	-	-	-	-	-	-

14	ICM	Maize	Improper cultivation practices, Using higher seed rate & fertilizer	-	Special programme for CIG-Maize production	3	-	-	-	1.6 Arjun	-	-	-	<ul style="list-style-type: none"> <li>▪ Azospirillum-8 kg.</li> <li>▪ MN mixture-100 kg.</li> </ul>	
15	ICM	Brinjal, Chillies, Tomato	Lack of adoption of improved production techniques, Severe incidence of pest and diseases	-	-	2	-	-	1				-	-	
16		Bittergourd, Snakegourd	Low fruit set, Maleness, Imbalanced nutrition	-	ICM in bitter gourd	2			1					<ul style="list-style-type: none"> <li>▪ Neem cake-250 kg</li> </ul>	
17		Banana	Low bunch grade & Weight, Imbalanced nutrition, Fusarium wilt, Sigatoka leaf spot	-	ICM in Banana	2	-	-	2	-	-	-	-	<ul style="list-style-type: none"> <li>▪ Azospirillum - 20 kg.</li> <li>▪ Phosphobacteri a- 20kg</li> <li>▪ P.fluorescens- 10 kg</li> </ul>	
18		Jasmine	Yellowing of leaves, Bud worm	-	ICM in Jasmine	1			-					<ul style="list-style-type: none"> <li>▪ Azospirillum - 4 kg.</li> <li>▪ Phosphobacteri a- 4 kg</li> <li>▪ Neem cake- 500kg</li> </ul>	
19		Turmeric	Shortage of quality seed rhizomes, Leaf spot and rhizome rot	Assessment of planting methods in turmeric	-	-	1	-	-	1	3 (Rhizomes)	-	-	-	<ul style="list-style-type: none"> <li>▪ Cocopeat 800 kg</li> </ul>
20		INM	Solanaceous Vegetables	Imbalanced nutrition	-	INM in chillies	3			1					
21	Turmeric		Imbalanced nutrition	-	-	1	-	-	-	-	-	-	-	-	

22	INM	Chillies	Imbalanced nutrition	-	-	1	-	-	-	-	-	-	-	-
23		Banana		-	-	1	-	-	-	-	-	-	-	-
24	IPM	Solanaceous Vegetables	Shoot and fruit borer, Blight, Fruit rot, Leaf curl	-	-	2	-	-	-	-	-	-	-	-
25		Bitter gourd, Snake gourd	Fruit fly, Sucking pests, Downy mildew	-	-	2	-	-	-	-	-	-	-	-
26		Jasmine	Yellowing of leaves, Bud worm	-	-	1	-	-	-	-	-	-	-	-
27	Nursery management	Solanaceous Vegetables	Low germination, Poor quality seedlings and field establishment	-	-	2	-	-	-	-	-	-	-	-
28	High density planting	Banana	Lack of knowledge on improved planting methods	-	-	1	-	-	-	-	-	-	-	-
29	Composting	Vermi compost	Lack of awareness on bio manures	-	-	1	1	-	-	-	-	-	-	-
30	Precision farming	Banana	Lack of awareness on improved production techniques	-	-	-	-	1	-	-	-	-	-	-
31	Disease management	Cattle	Mastitis, Low milk yield	-	-	1	-	-	-	-	-	-	-	-



32	Value addition	Banana	Low market price	-	-	3	-	1	1	-	-	-	-	-
33		Field crops	Low market price	-	-	6	-	-	-	-	-	-	-	-
			Lack of farmer friendly equipments	-	-	1	-	-	1	-	-	-	-	-
34		Fruits and vegetables	Low market price	-	-	1	3	-	-	-	-	-	-	-
35		Milk	Low market price	-	-	1	-	-	-	-	-	-	-	-
36	Income generation	Spices	Lack of knowledge on masala powder preparation	-	-	1	-	-	-	-	-	-	-	-
37	Mushroom production	Mushroom	Lack of knowledge on mushroom cultivation	-	-	2	2	-	-	-	-	-	-	-
38	Income Generation	IFS	Low income, Lack of knowledge in Integrated farming system	-	Integrated farming system	1	-	1	-	-	-	120 Chicks	-	Earthworms 9 kg
39	Agro forestry system	Pulpwood	Low yield from pulpwood	-	-	2	-	-	-	-	-	-	-	-
40		Bamboo	Poor utilization of waste land	-	-	2	-	-	-	-	-	-	-	-
41		Matchwood		-	-	2	-	-	-	-	-	-	-	-
42		Energy plantation	Poor income from wasteland	-	-	-	-	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 – Extension Activities
1	2	3	4	5	6	7	8
1	Mechanization in paddy	TNAU	Paddy	-	1	1	1
2	Direct sown paddy	TNAU		-	1	3	1
3	ICM in paddy	TNAU		-	-	2	2
4	INM in paddy	TNAU		-	-	1	-
5	IPM in paddy	TNAU		-	-	1	-
6	Post harvest management in paddy	TNAU		-	-	1	-
7	System of Rice Intensification	TNAU		-	-	1	-
8	ICM in groundnut	TNAU	Groundnut	1	1	2	2
9	INM in groundnut	TNAU	Groundnut	-	-	3	-
10	ICM in Blackgram	TNAU	Blackgram	-	1	1	1
11	Assessment of sugarcane trash composting	TNAU	Sugarcane	1	-	2	1
12	INM	TNAU		-	-	1	-
13	ICM	TNAU & UAS	Maize	-	1	3	-
14	Composting	TNAU	Vermi compost production	-	-	2	-
15	INM	TNAU	Chillies	-	-	1	-
16		TNAU	Banana	-	-	1	-
17	ICM	TNAU	Turmeric	1	-	1	1

18	INM	TNAU		-	-	1	-
19	ICM	TNAU	Snake gourd, Bitter gourd	-	1	2	1
20	IPM	TNAU	Solanaceous vegetables	-	-	2	-
21		TNAU	Snake gourd, Bitter gourd	-	-	2	-
22		TNAU	Jasmine	-	-	1	-
23		TNAU, NRCB	Banana	-	1	2	-
24	ICM		Jasmine	-	1	1	-
25	Improved nursery management	TNAU	Vegetables	-	-	2	-
26	ICM	TNAU	Brinjal, Chillies,	-	-	2	1
27	INM	TNAU, IIHR	Tomato	-	1	3	1
28	High density planting	NRCB	Banana	-	-	1	-
29	Precision farming	TNAU	Banana	-	-	1	2
30	Disease management	TANUVAS	Cattle	-	-	1	-
31	Value addition	TNAU	Field crops, Spices, Fruits and Vegetables,	-	-	15	1
32	Drudgery reduction	CIAE, TNAU	Field crops	-	-	1	1
33	Mushroom production	TNAU	Mushroom	-	-	4	-
34	IFS	TNAU	Enterprises	-	1	2	-
35	Cultivation techniques of high yielding pulpwood	TNAU-FC & RI	Pulpwood	-	-	2	-
36	Contract farming of tree crops in AF system	TNAU-FC & RI	Trees	-	-	4	-
37	Renewable energy sources	TNAU-FC & RI	Energy plantation	-	-	1	-
38	Dairy farming	TANUVAS	Cattle	-	-	1	-

## 3.B2 contd...

S. No	No. of farmers covered															
	OFT				FLD				Training				Others –Extension activities			
	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		14	15	16	17	18	19	20	21	22	23	24
1	0	0	0	0	10	0	0	0	11	0	0	0	23	7	0	0
2	0	0	0	0	10	0	0	0	38	0	0	0	58	22	5	0
3	0	0	0	0	0	0	0	0	22	2	0	0	27	0	5	0
4	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	14	2	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0
8	5	0	0	0	10	0	0	0	22	0	0	0	60	0	5	0
9	0	0	0	0	0	0	0	0	50	3	0	0	0	0	0	0
10	0	0	0	0	7	3	0	0	10	3	0	0	23	4	0	0
11	10	0	0	0	0	0	0	0	33	0	1	3	61	0	0	0
12	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0
13	0	0	0	0	20	0	0	0	40	0	15	6	0	0	0	0
14	0	0	0	0	0	0	0	0	10	0	7	13	0	0	0	0
15	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0
17	5	0	0	0	0	0	0	0	10	0	0	0	26	5	5	0
18	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0
19	0	0	0	0	9	1	0	0	24	1	0	0	39	5	2	0

20	0	0	0	0	0	0	0	0	19	0	11	5	0	0	0	0
21	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0
23	0	0	0	0	10	0	0	0	24	0	0	0	0	0	0	0
24	0	0	0	0	10	0	0	0	14	3	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	21	4	0	12	0	0	0	0
26	0	0	0	0	0	0	0	0	27	2	0	0	31	4	0	5
27	0	0	0	0	9	1	0	0	39	1	0	0	38	2	0	0
28	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	20	0	0	0	87	5	7	0
30	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	57	119	5	75	23	4	0	0
32	0	0	0	0	0	0	0	0	17	0	0	0	8	21	0	0
33	0	0	0	0	0	0	0	0	33	17	0	5	0	0	0	0
34	0	0	0	0	3	0	0	0	11	29	2	4	0	0	0	0
35	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0
36	0	0	0	0	0	0	0	0	47	3	3	9	0	0	0	0
37	0	0	0	0	0	0	0	0	21	0	1	3	0	0	0	0
38	0	0	0	0	0	0	0	0	0	25	0	3	0	0	0	0
<b>Total</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>98</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>831</b>	<b>214</b>	<b>45</b>	<b>138</b>	<b>504</b>	<b>79</b>	<b>29</b>	<b>5</b>

## PART IV - On Farm Trial

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management	-	-	-	1	-	-	-	-	-	1
Varietal Evaluation	-	1	-	-	-	-	-	-	-	1
Seed / Plant production	-	-	-	1	-	-	-	-	-	1
<b>Total</b>	-	<b>1</b>	-	<b>2</b>	-	-	-	-	-	<b>3</b>

### 4.B. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)
Integrated Nutrient Management	Groundnut	Assessment of groundnut varieties in rainfed condition in T.V.Malai Dt.	5	5	0.2
	Sugarcane	Assessment of sugarcane trash composting techniques	10	10	0.2
Seed / Plant production	Turmeric	Assessment of planting methods in turmeric	5	5	0.2
<b>Total</b>	-	-	<b>20</b>	<b>20</b>	<b>0.6</b>

#### 4.C1. Results of Technologies Assessed

##### Results of On Farm Trial

##### A. Agronomy

##### 1. Assessment of Groundnut varieties in rainfed condition

Crop/enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Groundnut	Kharif	Cultivation of Low yielding groundnut variety	Assessment of Groundnut varieties in rainfed condition	5	TO1: Cultivation of groundnut variety – TMV 7	<ul style="list-style-type: none"> <li>▪ No. of pods / plant.</li> <li>▪ 100 grain wt.(g)</li> <li>▪ No. of nodules/plant</li> </ul>	32	TO 3 resulted in 30.82% increase in yield.	* TO 3 is economically viable. * TO 3 is better in net income compared to TO1 & TO2.	No	-
					36						
					56						
					TO2: Cultivation of Groundnut variety CO-6		40				
					TO3: Cultivation of Groundnut variety Khadiri-6		46				
							60				
							70				

Contd...

Technology Assessed	Source of Technology	Production	Unit	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
TO1: Cultivation of groundnut variety – TMV 7	TNAU	13.56	Q/ha	20416.00	1.72
TO2: Cultivation of Groundnut variety CO-6	TNAU	16.38	Q/ha	22340.00	2.22
TO3: Cultivation of Groundnut variety Khadiri-6	ANGRAU	17.74	Q/ha	38342.00	2.50

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

- 1 Title of Technology Assessed : Assessment of Groundnut varieties in rainfed condition
2. Problem Definition : Cultivation of Low yielding groundnut variety
- 3 Details of technologies selected for assessment  
 TO1: Cultivation of groundnut variety – TMV 7  
 TO2: Cultivation of Groundnut variety CO-6  
 TO3: Cultivation of Groundnut variety Khadiri-6
- 4 Source of technology : **TO2 : TNAU, TO3 : ANGRAU**
- 5 Production system and thematic area : Rainfed- Varietal Evaluation
- 6 Performance of the Technology with performance indicators :

Sl.No.	Performance Indicators	Technological options		
		TO1	TO2	TO3
1	No. of pods per plant	32	40	46
2	Yield : Qtl/ha	13.56	16.38	17.74

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

Performance Indicators	Technological options		
	TO1	TO2	TO3
No. of pods per plant	1	2	3
Yield	1	2	3
Net return	1	2	3
BCR	1	2	3

**(High – 3, Moderate – 2, Low – 1, Very low – 0)**

- 8 Final recommendation for micro level situation : Khadri 6 found better in terms of yield and net returns under drought condition and best suitable variety for rainfed cultivation in Thiruvannamalai district.
- 9 Constraints identified and feedback for research : Optimum time for gypsum application and earthing up need to be standardized for increased pod yield.
- 10 Process of farmers participation and their reaction : Farmers actively participated.



## Horticulture

### 1. Assessment of planting methods in turmeric

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Turmeric	Irrigated	Shortage of quality seed rhizomes	Assessment of planting methods in turmeric	5	TO1: Direct planting of rhizomes randomly without specified spacing.	Seed Rhizome requirement (kg/ha)	1875	* TO 3 resulted in 5.15 % increase in yield.	* TO 3 is practically feasible and economically viable. * TO 3 is better in terms of net return over other two options.	No.	-
					TO2: Direct planting of rhizomes at 45 x 15 cm spacing.		1720				
					TO3: Planting of 45 days old seedlings at 45 x 15 cm spacing.		625				

Contd...

Technology Assessed	Source of Technology	Production	Unit	Net Return Rs./ha.	BC Ratio
13	14	15	16	17	18
TO1: Direct planting of rhizomes randomly without specified spacing.	-	185.65	Q/ha	89061.00	1.79 : 1
TO2: Direct planting of rhizomes at 45 x 15 cm spacing.	TNAU	187.52	Q/ha	95987.00	1.88 : 1
TO3: Planting of 45 days old seedlings at 45 x 15 cm spacing.	Farmer's innovation	195.22	Q/ha	118105.00	2.25 : 1

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

- 1 Title of Technology Assessed : Assessment of planting methods in turmeric  
 2 Problem Definition : Shortage of quality seed rhizomes  
 3 Details of technologies selected for assessment :
- TO1:** Direct planting of rhizomes randomly without specified spacing.  
**TO2:** Direct planting of rhizomes at 45 x 15 cm spacing.  
**TO3:** Planting of 45 days old seedlings at 45 x 15 cm spacing.
- 4 Source of technology : **TO2 : TNAU** ; **TO3:** Farmer's innovation  
 5 Production system and thematic area : Irrigated – Nursery management  
 6 Performance of the Technology with performance indicators :

Sl.No.	Performance Indicators	Technological options		
		TO1	TO2	TO3
1	Seed rhizome requirement : Kg/ha	1875	1720	625
2	Yield : Q/ha	185.65	187.52	195.22

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

Performance Indicators	Technological options		
	TO1	TO2	TO3
Seed rhizome requirement	3	3	0
Yield	1	2	3
Net return	1	2	3
BCR	1	2	3

(High – 3, Moderate – 2, Low – 1, Very low – 0)

**Feedback :** TO3 is superior over other two options in terms of yield and net return. It is also economically viable and practically feasible.

- 8 Final recommendation for micro level situation : Protray produced finger cut turmeric plants can be very well used for transplanting to get better yield and net return in turmeric cultivation.

- 9 Constraints identified and feedback for research : \* Optimum age for the transplanting of finger cut turmeric plants needs to be standardized.
- 10 Process of farmers participation and their reaction : Farmers actively participated.

**Reactions** : TO 3 was best in terms of following aspects

- Yield increased
- Less seed rhizome requirement
- Higher net return

**PART V - FRONTLINE DEMONSTRATIONS**

**5.A. Summary of FLDs implemented during 2013-14**

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated
1.	Oilseeds	Irrigated	Rabi -13-14	Groundnut	TMV-13	-	ICM	<p><b><u>ICM in groundnut-TMV-13</u></b></p> <ul style="list-style-type: none"> <li>▪ TMV-13 Groundnut pods @ 200 kg/ha.</li> <li>▪ Soil test based NPK application</li> <li>▪ Seed treatment with Rhizobium and Phosphobacteria 2.5 kg/ha each</li> <li>▪ Groundnut rich @ 5.5 kg/ha twice</li> <li>▪ Spraying of profenophos 1 lit./ha at 30th and 45th day based on pest noticed</li> <li>▪ Gypsum 400 kg/ha at 45th day</li> <li>▪ Use of groundnut pod stripper</li> </ul>
2	Pulses	Irrigated	Rabi 13-14	Blackgram	VBN-6	-	ICM	<p><b><u>ICM in Blackgram</u></b></p> <ul style="list-style-type: none"> <li>▪ Seed VBN-6 @ 20 kg/ha.</li> <li>▪ Soil test based NPK</li> <li>▪ Application of biofertilizers</li> <li>▪ Spraying of pulse wonder 5.6 kg/ha during flowering stage.</li> </ul>
3	Cereals	Irrigated	Kharif 2013	Paddy	CO-43	-	ICM	<p><b><u>ICM in direct sown in paddy</u></b></p> <ul style="list-style-type: none"> <li>▪ Direct sowing through drum seeder</li> <li>▪ Spraying weedicides – Nominee gold @ 300 ml/ha. in 5-6 leaves stage</li> <li>▪ Triazophos @ 1 lit/ha during the pest incidence</li> <li>▪ Tricyclazole @ 300 gm/ha during the disease incidence</li> </ul>

	Cereals	Irrigated	Rabi 13-14	Paddy	ADT-45	-	Farm mechanism	<p><b><u>Mechanization in paddy</u></b></p> <ul style="list-style-type: none"> <li>▪ Tray nursery-Machine seeding</li> <li>▪ Usage of transplanter</li> <li>▪ Application of weedicide- Pretilachlor @ 1000 ml/ha.</li> <li>▪ Usage of power weeder, harvester</li> </ul>
	Cereals	Irrigated	Rabi 13-14	Maize	-	Arjun	Maize production	<p><b><u>Maize production by commodity group approach</u></b></p> <ul style="list-style-type: none"> <li>▪ Sowing of Arjun hybrid maize seed.</li> <li>▪ Seed treatment with Azosprillum 200 gm/kg of seed.</li> <li>▪ Application of weedicide Atrazine 0.25 kg/ha.</li> <li>▪ Installation of Yellow sticky trap for pest management.</li> <li>▪ Application of Imidachlorprid for sucking pest.</li> <li>▪ Application of MN mixture for nutrient deficiency.</li> <li>▪ Application of metalaxyl for disease management.</li> <li>▪ Value addition and marketing</li> </ul>
4	Vegetables	Irrigated	Kharif 2013	Bittergourd	-	Abhishek	ICM	<p><b><u>ICM in Bitter gourd</u></b></p> <ul style="list-style-type: none"> <li>▪ NPK application based on soil test.</li> <li>▪ Vegetable special – 3 sprays @ 0.2 %.</li> <li>▪ Soil application of neem cake – 250 kg/ha.</li> <li>▪ Spraying of Ethrel @ 100 ppm.</li> <li>▪ Spraying of metalaxyl .</li> <li>▪ Mancozeb @ 0.1% .</li> <li>▪ Installation of Pheromone traps @ 12/ha.</li> <li>▪ Installation of yellow sticky traps @ 25/ha.</li> </ul>

		Irrigated	Rabi 13-14	Chillies	Local	-	INM	<b>Integrated Nutrient Management in Chillies</b> <ul style="list-style-type: none"> <li>▪ Soil test based NPK application.</li> <li>▪ Soil application of bio fertilizers.</li> <li>▪ Vegetable special @ 3gm/lit.</li> <li>▪ Vermicompost@2t/ha.</li> <li>▪ Neem cake @ 250 kg/ha.</li> </ul>
5	Flowers	Irrigated	Rabi 13-14	Jasmine	Kundumalli	-	ICM	<ul style="list-style-type: none"> <li>▪ <b>ICM in Jasmine</b> Soil test based NPK</li> <li>▪ Soil application of bio fertilizers.</li> <li>▪ Spraying FeSO<sub>4</sub> 5gm/lit at monthly interval.</li> <li>▪ Neem cake @ 250 kg/ha.</li> <li>▪ Spraying of Thiachloprid @ 2ml/lit.</li> <li>▪ Drenching the soil around the plant with COC @ 2.5 gm/lit.</li> </ul>
6	Plantation	Irrigated	Rabi 13-14	Banana	Poovan	-	ICM	<ul style="list-style-type: none"> <li>▪ <b>ICM in Banana</b></li> <li>▪ NPK application – soil test based. Banana special – 6 sprays @ 0.5 %.</li> <li>▪ Bio fertilizers as soil application (2times).</li> <li>▪ Dipping of corms in 0.5 % monocrotophos and 0.2 % carbendazim.</li> <li>▪ Foliar application of fungicides.</li> <li>▪ Bimonthly drenching – 0.2 % Bavistin from 6th month onwards.</li> <li>▪ Injection of corms with 2% Bavistin (3 times).</li> <li>▪ Soil incorporation – <i>P. fluorescens</i> (3 times).</li> <li>▪ Spraying of propiconazole 0.05% -3 times.</li> <li>▪ Bunch covering</li> </ul>
7	Others – FLD on IFS	Irrigated	-	-	-	-	-	<ul style="list-style-type: none"> <li>▪ <b>Integrated Farming System</b></li> <li>▪ Paddy-Poultry-Fish-Azolla-Fodder-Milch animal-Vermi compost unit</li> <li>▪ Paddy-Poultry-Azolla-Fodder-Milch animal-Vermi compost unit.</li> </ul>

## Contd 5A

Sl. No.	Category	Crop	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
			Proposed	Actual	SC/ST	Others	Total	
1.	Oilseeds	Groundnut : TMV-13	2	2	-	10	10	-
2	Pulses	Blackgram : VBN-6	4	4	-	10	10	-
3	Cereals	Paddy : Drum seeder	4	4	-	10	10	-
		Paddy : Farm mechanization	3	3	-	10	10	-
		Maize : Commodity group approach (Special programme)	8	8	-	20	20	-
4	Vegetables	Bitter gourd : Abhishek	1	1	-	10	10	-
		Chillie : Local	2	2	-	10	10	-
5	Flowers	Jasmine : Kundumalli	2	2	-	10	10	-
6	Plantation	Banana : Poovan	0.5	0.5	-	10	10	-
7	Others – FLD on IFS	<ul style="list-style-type: none"> <li>▪ <b>Integrated Farming System</b></li> <li>▪ Paddy-Poultry-Fish-Azolla-Fodder-Milch animal-Vermi compost unit</li> <li>▪ Paddy-Poultry-Azolla-Fodder-Milch animal- Vermi compost unit.</li> </ul>	1.2	1.2	-	3	3	-
<b>Total</b>			<b>27.7</b>	<b>27.7</b>	<b>-</b>	<b>103</b>	<b>103</b>	<b>-</b>

## 5.B. Results of Frontline Demonstrations

### 5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase
							Demo			Check	
							H	L	A		
<b>Oilseeds</b>											
Groundnut	<u><b>ICM in groundnut-TMV-13</b></u> <ul style="list-style-type: none"> <li>▪ TMV-13 Groundnut pods @ 200 kg/ha.</li> <li>▪ Soil test based NPK application</li> <li>▪ Seed treatment with rhizobium and phosphobacteria 2.5 kg/ha each</li> <li>▪ Groundnut rich @ 5.5 kg/ha twice</li> <li>▪ Spraying of profenophos 1 lit./ha at 30th and 45th day based on pest noticed</li> <li>▪ Gypsum 400 kg/ha at 45th day</li> <li>▪ Use of groundnut pod stripper</li> </ul>	TMV-13	-	Irrigated	10	2	19.00	17.30	18.6	14.00	32.85
<b>Pulses</b>											
Blackgram	<u><b>ICM in Blackgram</b></u> <ul style="list-style-type: none"> <li>▪ Seed VBN-6 @ 20 kg/ha.</li> <li>▪ Soil test based NPK</li> <li>▪ Application of biofertilizers</li> <li>▪ Spraying of pulse wonder 5.6 kg/ha during flowering stage.</li> </ul>	VBN-6	-	Irrigated	10	4	9.40	8.77	9.12	7.74	17.83



Cereals											
Paddy	<b>ICM in direct sown in paddy</b> <ul style="list-style-type: none"> <li>▪ Direct sowing through drum seeder</li> <li>▪ Spraying weedicide–Nominee gold @ 300 ml/ha. in 5-6 leaves stage</li> <li>▪ Triazophos @ 1 lit/ha during the pest incidence</li> <li>▪ Tricyclazole @ 300 gm/ha during the disease incidence</li> </ul>	CO-43	-	Irrigated	10	4	58.00	49.8	51.2	43.4	17.97
Paddy	<b>Mechanization in paddy</b> <ul style="list-style-type: none"> <li>▪ Tray nursery-Machine seeding</li> <li>▪ Usage of transplanter</li> <li>▪ Application of weedicide -Pretilachlor @ 1000ml/ha.</li> <li>▪ Usage of power weeder, harvester</li> </ul>	ADT-45	-	Irrigated	10	3	67.5	60.0	63.4	49.2	28.86
Vegetables											
Bitter gourd	<b>ICM in Bitter gourd</b> <ul style="list-style-type: none"> <li>▪ NPK application based on soil test.</li> <li>▪ Vegetable special – 3 sprays @ 0.2 %.</li> <li>▪ Soil application of neem cake – 250 kg/ha.</li> <li>▪ Spraying of Ethrel @ 100 ppm.</li> <li>▪ Spraying of metalaxyl .</li> <li>▪ Mancozeb @ 0.1% .</li> <li>▪ Installation of Pheromone traps @ 12/ha.</li> <li>▪ Installation of yellow sticky traps @ 25/ha.</li> </ul>	-	Abishek	Irrigated	10	1	452.5	400	422.30	330.17	27.90

<p><b>Plantation</b></p>	<p><b>ICM in Banana</b></p> <ul style="list-style-type: none"> <li>▪ NPK application – soil test based. Banana special – 6 sprays @ 0.5 %.</li> <li>▪ Bio fertilizers as soil application (2times).</li> <li>▪ Dipping of corms in 0.5 % Monocrotophos and 0.2 % Carbendazim.</li> <li>▪ Foliar application of fungicides.</li> <li>▪ Bimonthly drenching – 0.2 % Bavistin from 6th month onwards.</li> <li>▪ Injection of corms with 2% Bavistin (3 times).</li> <li>▪ Soil incorporation – <i>P. fluorescens</i> (3 times).</li> <li>▪ Spraying of propiconazole 0.05% - 3 times.</li> <li>▪ Bunch covering</li> </ul>	<p>Poovan</p>	<p>-</p>	<p>Irrigated</p>	<p>10</p>	<p>0.5</p>	<p>In progress</p>
<p><b>Other-FLD on IFS</b></p>	<ul style="list-style-type: none"> <li>▪ <b>Integrated Farming System</b></li> <li>▪ Paddy-Poultry-Fish-Azolla-Fodder-Milch animal-Vermi compost unit</li> <li>▪ Paddy-Poultry-Azolla-Fodder-Milch animal- Vermi compost unit.</li> </ul>	<p>-</p>	<p>-</p>	<p>Irrigated</p>	<p>3</p>	<p>1.2</p>	<p>In progress</p>

(Contd...5BI)

Crop	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
<b>Oilseeds</b>								
Groundnut-TMV-13	29375	48315	18940	1.64 : 1	34516	45472	10956	1.32 : 1
<b>Pulses</b>								
Blackgram-VBN-6	20890	47789	26898	2.29 : 1	27756	40566	12810	1.46 : 1
<b>Cereals</b>								
Paddy- Direct sowing	36428	56320	19892	1.55 : 1	43200	53242	10042	1.23 : 1
Paddy-Mechanization	34980	72881	37901	2.08 : 1	41669	55704	14034	1.34 : 1
<b>Vegetables</b>								
Bittergourd-Hybrid-Abishek	310050	760140	450090	2.45 : 1	315050	561289	246239	1.78 : 1

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

Crop	Data on other parameters in relation to technology demonstrated		
	Parameter with unit	Demo	Check
Groundnut – TMV-13	No. of pods per plant	35	20
	Labours requirement for pod stripping process(Nos)/ha	8	30
Paddy-Direct sown using drum seeder	No. of tillers/hill	63	48
	1000 grains weight	24.5	20.3
Paddy-Mechanization	Labour requirement (Nos)/ha	60	189
	No. of tillers/hill	64	52
Blackgram-VBN-6	No. of cluster per plant	13	11
	No. of pods per plant	80	52
Bitter gourd - Abishek	Fruit weight (gm)	148.79	118.76
	Percent infestation of fruit fly	3.53	20.44

## 5.B.2. Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Number of participants	Remarks
1	Field days	13	481	-
2	Farmers Training	10	117	-
3	Media coverage	5	-	-
4	Training for extension functionaries	1	20	-
5	Others (Please specify)	-	-	-

**PART VI – DEMONSTRATIONS ON CROP HYBRIDS**

## Demonstration details on crop hybrids

Type of Breed	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)			Check	% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo					Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
<b>Vegetable crops</b>																	
Others-Bitter gourd	ICM in Bittergourd	Abishek	10	1	452.5	400	422.30	330.17	27.90	310050	760140	450090	245:1	315050	561289	246239	1.78:1
<b>Total</b>	-	-	<b>10</b>	<b>1</b>	-	-	-	-	-	-	-	-	-	-	-	-	-

**PART VII. TRAINING****7.A.. Training of Farmers and Farm Women 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
<b>Crop Production</b>										
Integrated Crop Management	6	67	2	69	15	6	21	82	8	90
Others (pl.specify) – Formation of CIG	1	20	0	20	0	0	0	20	0	20
<b>Horticulture</b>										
<b>a) Vegetable Crops</b>										
Nursery raising	1	21	1	22	0	0	0	21	1	22
Others (pl.specify) - Integrated Crop management	1	15	0	15	0	0	0	15	0	15
<b>b) Fruits</b>										
Cultivation of Fruit - ICM	1	14	0	14	0	0	0	14	0	14
Others – High density planting	1	18	0	18	0	0	0	18	0	18
<b>c) Ornamental Plants</b>	-	-	-	-	-	-	-	-	-	-
<b>d) Plantation crops</b>	-	-	-	-	-	-	-	-	-	-
<b>e) Tuber crops</b>	-	-	-	-	-	-	-	-	-	-
<b>f) Spices</b>	-	-	-	-	-	-	-	-	-	-
<b>g) Medicinal and Aromatic Plants</b>	0	0	0	0	0	0	0	0	0	0
<b>Soil Health and Fertility Management</b>	0	0	0	0	0	0	0	0	0	0
Soil fertility management	1	15	0	15	0	0	0	15	0	15

Integrated nutrient management	4	57	3	60	0	0	0	57	3	60
<b>Livestock Production and Management</b>										
Others (pl.specify)- IFS	1	11	0	11	2	1	3	13	1	14
<b>Home Science/Women empowerment</b>										
Value addition	5	34	37	71	1	19	20	35	56	91
Location specific drudgery reduction	1	17	0	17	0	0	0	17	0	17
<b>Agril. Engineering</b>										
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	1	14	0	14	0	0	0	14	0	14
Others (pl.specify) - Mechanization	1	11	0	11	0	0	0	11	0	11
<b>Plant Protection</b>										
Integrated Pest Management	4	45	0	45	11	5	16	56	5	61
<b>Fisheries</b>	-	-	-	-	-	-	-	-	-	-
<b>Production of Inputs at site</b>										
Vermi-compost production	1	0	0	0	5	11	16	5	11	16
Mushroom production	2	10	15	25	0	0	0	10	15	25
<b>Capacity Building and Group Dynamics</b>	-	-	-	-	-	-	-	-	-	-
<b>Agro-forestry</b>										
Production technologies	3	30	2	32	3	9	12	33	11	44
<b>TOTAL</b>	<b>35</b>	<b>399</b>	<b>60</b>	<b>459</b>	<b>37</b>	<b>51</b>	<b>88</b>	<b>436</b>	<b>111</b>	<b>547</b>

## 7.B Training of Farmers and Farm Women 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
<b>Crop Production</b>										
Weed Management	1	12	0	12	0	0	0	12	0	12
Integrated Crop Management	2	22	3	25	0	0	0	22	3	25
Integrated Nutrient Management	1	11	0	11	0	0	0	11	0	11
Others – System of Rice Intensification	1	12	0	12	0	0	0	12	0	12
Others – Drum seeder in paddy	1	11	0	11	0	0	0	11	0	11
Others – Sustainable Sugarcane Initiative	1	12	0	12	0	0	0	12	0	12
<b>Horticulture</b>										
<b>a) Vegetable Crops</b>										
Nursery raising	1	0	3	3	0	12	12	0	15	15
Others – Integrated Crop Management	3	36	3	39	0	0	0	36	3	39
<b>b) Fruits</b>										
Cultivation of Fruit - ICM	1	10	0	10	0	0	0	10	0	10
<b>c) Ornamental Plants</b>										
Others – Integrated Crop Management	1	14	3	17	0	0	0	14	3	17
<b>d) Plantation crops</b>										
Processing and value addition	2	0	16	16	2	19	21	2	35	37
<b>e) Tuber crops</b>	-	-	-	-	-	-	-	-	-	-
<b>f) Spices</b>										
Production and Management technology	1	10	0	10	0	0	0	10	0	10
Processing and value addition	1	0	0	0	0	22	22	0	22	22

<b>g) Medicinal and Aromatic Plants</b>	-	-	-	-	-	-	-	-	-	-
<b>Soil Health and Fertility Management</b>										
Soil fertility management	3	52	0	52	0	0	0	52	0	52
Integrated nutrient management	2	23	1	24	0	0	0	23	1	24
<b>Livestock Production and Management</b>										
Animal Disease Management	1	16	0	16	0	0	0	16	0	16
<b>Home Science/Women empowerment</b>										
Value addition	3	1	29	30	2	13	15	3	42	45
<b>Agril. Engineering</b>	-	-	-	-	-	-	-	-	-	-
<b>Plant Protection</b>										
Integrated Pest Management	2	26	2	28	0	0	0	26	2	28
<b>Fisheries</b>	-	-	-	-	-	-	-	-	-	-
<b>Production of Inputs at site</b>	-	-	-	-	-	-	-	-	-	-
<b>Agro-forestry</b>										
Production technologies	3	47	1	48	0	0	0	47	1	48
<b>TOTAL</b>	<b>31</b>	<b>315</b>	<b>61</b>	<b>376</b>	<b>4</b>	<b>66</b>	<b>70</b>	<b>319</b>	<b>127</b>	<b>446</b>

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

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
Value addition	2	3	28	31	0	0	0	3	28	31
<b>TOTAL</b>	<b>2</b>	<b>3</b>	<b>28</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>28</b>	<b>31</b>



**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
Integrated Farming System	1	0	29	29	0	3	3	0	32	32
Sugarcane trash composting technology	1	21	0	21	1	3	4	22	3	25
Precision farming	1	20	0	20	0	0	0	20	0	20
Value addition	1	18	0	18	0	0	0	18	0	18
Renewable energy sources	1	21	0	21	1	3	4	22	3	25
Dairy farming	1	0	25	25	0	3	3	0	28	28
<b>Total</b>	<b>6</b>	<b>80</b>	<b>54</b>	<b>134</b>	<b>2</b>	<b>12</b>	<b>14</b>	<b>82</b>	<b>66</b>	<b>148</b>

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

**7.G. Sponsored training programmes conducted : Nil**

**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
<b>1</b>	<b>Crop production and management</b>	-	-	-	-	-	-	-	-	-	-
<b>2</b>	<b>Post harvest technology and value addition</b>										
2.a.	Value addition	1	1	9	10	0	2	2	1	11	12
<b>3.</b>	<b>Livestock and fisheries</b>	-	-	-	-	-	-	-	-	-	-
<b>4.</b>	<b>Income generation activities</b>										
4.a.	Vermi-composting	1	10	0	10	2	2	4	12	2	14
4.g.	Mushroom cultivation	2	23	2	25	0	5	5	23	7	30
<b>5</b>	<b>Agricultural Extension</b>	-	-	-	-	-	-	-	-	-	-
	<b>Grand Total</b>	<b>4</b>	<b>34</b>	<b>11</b>	<b>45</b>	<b>2</b>	<b>9</b>	<b>11</b>	<b>36</b>	<b>20</b>	<b>56</b>

**PART VIII – EXTENSION ACTIVITIES****Extension Programmes (including extension activities undertaken in 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	13	282	106	388	52	23	75	7	0	7
Field Visits	88	451	62	513	0	0	0	27	5	32
Exhibition	2	251	25	276	30	10	40	35	0	35
Film Show	21	376	98	474	30	20	50	61	6	67
Method Demonstrations	2	24	0	24	0	0	0	0	0	0
Group meetings	15	293	33	326	18	2	20	6	1	7
Lectures delivered as resource persons	59	1845	416	2261	52	67	119	128	29	157
Newspaper coverage	15	0	0	0	0	0	0	0	0	0
Radio talks	12	0	0	0	0	0	0	0	0	0
TV talks	20	0	0	0	0	0	0	0	0	0
Extension Literature	0	2579	558	3137	0	0	0	220	44	264
Advisory Services-Help line	0	389	70	459	0	0	0	51	7	58
Scientific visit to farmers field(FAS)	184	354	87	441	1	0	1	20	5	25
Farmers visit to KVK	0	462	10	472	0	0	0	41	2	43

Diagnostic visits	5	10	3	13	0	0	0	2	0	2
Soil health Camp	1	30	24	54	0	0	0	0	0	0
Soil test campaigns	2	162	10	172	23	5	28	0	0	0
Farm Science Club Conveners meet	2	50	0	50	0	0	0	0	0	0
Celebration of important days- World Food Day	1	124	26	150	6	1	7	9	0	9
World Environmental Day	1	52	0	52	20	0	20	14	0	14
World Women's Day	1	5	90	95	0	8	8	9	3	12
Any Other – Parthenieum Awareness	1	143	158	301	30	50	80	80	1	81
Farmers Field School	1	25	0	25	0	0	0	2	0	2
Uzhavar Peruvizha	42	4134	1049	5183	0	0	0	95	33	128
Farmers meet	3	280	32	312	0	0	0	7	0	7
KMAS (No. of message)	17	159	0	159	0	0	0	78	0	78
Student visit to KVK	8	27	84	111	0	0	0	0	0	0
News letter	2	436	17	453	0	0	0	63	0	63
<b>Total</b>	<b>518</b>	<b>12943</b>	<b>2958</b>	<b>15901</b>	<b>262</b>	<b>186</b>	<b>448</b>	<b>955</b>	<b>136</b>	<b>1091</b>

**PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS****9.A. Production of seeds by the KVKs : Nil****9.B. Production of planting materials by the KVKs**

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Fruits	Mango	Banganapalli, Bangalora	-	23	920.00	4
	Guava	L46 & 49	-	930	23250.00	5
	Pomegranate	Ganesh	-	13	130.00	8
	Jack	Palur-1	-	2	20.00	1
	Gooseberry	NA-7	-	11	110.00	2
Ornamental plants	-	-	-	24	920.00	5
Plantation	Coconut	T x D	-	657	26280.00	30
Forest Species	Timber	-	-	5260	50348.00	1300
<b>Total</b>	-	-	-	<b>6920</b>	<b>101978.00</b>	<b>1355</b>

**9.C. Production of Bio-Products**

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	Number of farmers to whom provided
Others (specify)-Worms	Earthworms	103.5	36225.00	55
	Vermi compost	8286.5	33146.00	150
<b>Total</b>	-	<b>8390</b>	<b>69371.00</b>	<b>205</b>

**9.D. Production of livestock materials : Nil**

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
<b>Dairy animals</b>	-	-	-	-
Others - Goat	Tellicherry	5	13200.00	2
<b>Poultry</b>	-	-	-	-
<b>Piggery</b>	-	-	-	-
<b>Fisheries</b>	-	-	-	-
<b>Total</b>	-	<b>5</b>	<b>13200.00</b>	<b>2</b>

**9.E. Others**

Products	Name of the product	Quantity Kg/Nos/Lits.	Value (Rs.)	Number of farmers to whom provided
Mushroom	Spawn	268 Pkts	8040.00	23
	Oyster mushroom	52 Kg	7810.00	36
Machineries	Drum seeder	25 Nos	113375.00	25
	Sugarcane detrahser	1 No	500.00	1
Value added products	Pickles	11.4 kg	1710.00	18
Homecare products	Phenyl	11 lit	330.00	2
<b>Total</b>	-	-	<b>131765.00</b>	<b>105</b>

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

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

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

- |    |                           |   |             |
|----|---------------------------|---|-------------|
| 1. | Date of Start             | : | 12.09.2003  |
| 2. | Periodicity               | : | Half yearly |
| 3. | No. of copies distributed | : | 1600        |

**(B) Literature developed/published**

Item	Title	Authors name	No.
<b>Extension literature</b>			
<b>Leaflets</b>	ICM in sugarcane	Mr.P.Sudharsan	500
	INM in groundnut	Mr.V.P.Karthikeyan	500
	INM in paddy		500
	INM in blackgram		500
	Foliar nutrition in vegetables	Mr.N.Rameshraj	500
	Application of growth regulators in horti crops		500
	Protray vegetable seedling production technology		500
	Contract farming in tree crops	Mr.S.Murugesan	500
	Value addition of vegetables	Mrs.T.Margaret	500
<b>Pamphlets</b>	ICM in Direct sown paddy	Mr.P.Sudharsan	500
	ICM in sugarcane		500
	INM in snakegourd	V.P.Karthikeyan	500
	Roles and activities of the KVK	Mr.V.Suresh	1000
	ICM in turmeric	Mr.N.Rameshraj	500
	High density planting and disease management in banana		300
	Production technologies for hybrid chilli		500
	Bio fertilizers usage in horticultural crops		500
	Management of yellowing in Jasmine		500
	INM in Brinjal		500
	Prevention and control of important diseases in live stock	Dr.A.Elamaran	500
	Reproductive management in dairy cattle		500
	Preparation low cost supplementary food	Mrs. T. Margaret	500
	Drudgery reducing agricultural equipments		500
	Value addition of milk		500
	Value addition of fruits		500
	Value addition of vegetables		500
	Cultivation aspects of mahogany	Mr. S. Murugesan	500
	Water testing and its importance	Mr.P.Sudharsan & V.P.Karthikeyan	300
	Reclamation of problems soil		500
Soil sampling and its benefits	P.Narayanan	1000	
<b>Booklets</b>	Vermi compost production technology	Mr.P.Sudharsan	500
	Mechanization in paddy		100
	Masala powders	Mrs. T. Margaret	300

**10.B. Details of Electronic Media Produced**

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
1	DVD	Documentary on successful KVK activities	20
2	DVD	Mechanization in paddy	10
3	DVD	Direct sowing in paddy	12

**10.C. Indicate the specific training need analysis tools/methodology followed for identification of courses.****\* FARMERS AND FARM WOMEN**

Survey, field visit, group discussion, information from panchayat presidents and progressive farmers.  
Discussion with line departments, NGO's and DRDA.

**\* RURAL YOUTH**

Survey, information from Nehru Yuva Kendra and line department. Discussion with Women Development Corporation and DRDA.

**\* IN SERVICE PERSONNEL**

Discussion with higher officials of the Line departments, NGO's feedback information from the ex-trainees.

**10.D. Field activities**

- i. No. of villages adopted : 25  
ii. No of families selected : 174  
iii. No. of survey/PRA conducted : 16

**10.E. Activities of Soil, Water Testing Laboratory & Plant Health Diagnostic Lab**

1. Date of establishment : 06.05.2005

**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	2007	1706	345	100350
Water Samples	249	240	179	24900
Plant samples	18	18	2	1800
<b>Total</b>	<b>2274</b>	<b>1964</b>	<b>526</b>	<b>127050</b>

**Details of samples analyzed during the 2013-14**

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	103	103	17	5150.00
Water Samples	11	11	6	1100.00
<b>Total</b>	<b>114</b>	<b>114</b>	<b>23</b>	<b>6250.00</b>

## PART XI. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before Rs./ha.	After Rs./ha.
Direct sowing in paddy	518	58	8600.00	16850.00
Total mechanization in paddy	571	46	9750.00	18200.00
Alternate cropping (Maize)	221	32	7950.00	13200.00
Soil test based fertilizer application	333	45	3400.00	8500.00
Micro nutrient spray in field crops	235	29	5200.00	8600.00
Protray seedling production in brinjal	593	59	159890.00	196920.00
Precision farming in banana	118	79	246000.00	379500.00
ICM in turmeric	141	64	201561.00	259423.00
INM in vegetables	738	73	561289.00	760140.00
Use of neem products in IPM	295	47	4800.00	7500.00
Cultivation of high yielding casuarina	160	28	146000.00	296000.00
Deworming and deticking in dairy cattle	682	73	2650.00	3425.00
Nutrition management in dairy cattle	369	55	8850.00	10600.00
Area specific mineral mixture feeding	290	46	5875.00	7420.00
Drudgery reduction	259	45	-	5800.00/acre
Value addition in field crops	282	35	2250.00	6300.00/Month
Value addition in vegetables and fruits	176	33	2400.00	5700.00/Month
Mushroom cultivation	131	21	2400.00	7500.00/Month

## PART XII – LINKAGES

### 11.A. Functional linkage with different organizations

Sl. No	Name of organization	Nature of linkage
1	Department of Agriculture	*Joint diagnostic survey, HADP training, Demonstrations, Campaigns, Field day, Group meetings and exposure visit.
2	Department of Horticulture	
3	Department of Animal Husbandry	
4	Department of Agricultural Engineering	Training
5	Department of seed certification	Training
6	Forest Extension Centre	Selection of beneficiaries for afforestation, seminar etc.,
7	TNAU and TANUVAS	Technical support and guidance, demonstration and exposure visits
8	NRCB, Trichy	Technical guidance, critical inputs supply.

9	IIHR, Bangalore	Exposure visit, Technical guidance and critical inputs.
10	District Rural Development Agency	Trainings
11	Women Development Corporation	EDP, Skill Trainings and workshops
12	NABARD	Farmers clubs formation, Exposure visits, Meetings, VDP and Campaigns, seed production training
13	District NGO's - HOME, HAND IN HAND , REDP, RIDT, CIKS, Annai Thirerasa and TIST	Demonstrations, Trainings, Exposure visit, Group meeting soil testing and Campaigns
14	CTRI, East Gothawari, A.P	Technical guidance and supply of critical inputs.
15	IFGTB, Coimbatore	Training & exposure visit
16	Fertilizer Association of India, New Delhi	Training, demonstration, soil testing and campaigns

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

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Village Development programme	2013-14	NABARD-Thiruvannamalai	77500.00
Soil enhancement programme		FAI-New Delhi	80000.00
Quality Seed production in paddy		NABARD-Thiruvannamalai	80000.00

**13. Kisan Mobile Advisory Services**

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
<b>April 2013</b>	3	237	-
<b>May 2013</b>	5	237	-
<b>June 2013</b>	2	309	-
<b>July 2013</b>	4	308	-
<b>August 2013</b>	4	308	-
<b>September 2013</b>	3	308	-
<b>October 2013</b>	3	308	-
<b>November 2013</b>	3	308	-
<b>December 2013</b>	3	308	-
<b>January 2014</b>	4	308	-
<b>February 2014</b>	4	308	-
<b>March 2014</b>	4	308	-



**PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK****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. (Qtl)	Cost of inputs	Gross income	
<b>Cereals</b>									
Paddy	05.12.13	04.04.14	0.4	ADT-45	Grains	18.60	13499.00	23471.00	-
<b>Pulses</b>	-	-	-	-	-	-	-	-	-
<b>Oilseeds</b>	-	-	-	-	-	-	-	-	-
<b>Fibers</b>	-	-	-	-	-	-	-	-	-
<b>Spices &amp; Plantation crops</b>									
Coconut	30.07.12	28.01.14	0.1	T X D	Seedlings (Nos)	657	5219.00	26280.00	-
<b>Floriculture</b>	-	-	-	-	-	-	-	-	-
<b>Fruits</b>									
Mango	17.01.13	05.11.13	0.1	Bangalora, Banganapalli	Grafting-Nos	23	-	920.00	-
Guava	06.01.13	27.03.14	0.1	L46 & 49	Layering-Nos	930	-	23250.00	-
Mango	Perennial		3.4	Bangalora, Banganapalli	Fruits	2.07	-	14500.00	-
Amla	Perennial		0.1	Krishna	Fruits	0.81	-	1553.00	-
Sapota	Perennial		0.2	PKM-1	Fruits	0.30	-	450.00	-
<b>Vegetables</b>	-	-	-	-	-	-	-	-	-
Brinjal	30.01.13	16.08.13	0.1	Siligudi 111	Vegetable	3.77	605.00	3773.00	-
	08.10.13	31.03.14	0.1	Ujala	Vegetable	1.06	407.00	1318.00	-
<b>Others (specify)</b>									
Tender coconut	Perennial		-	TxD	Tender-Nos	511	2291.00	3466.00	-
Ornamental	01.04.12	28.01.14	0.02	All types	Cuttings-Nos	24	-	920.00	-
Tree crops	03.07.13	31.03.14	0.1	All types	Seedlings-Nos	5260	-	50348.00	-

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

Sl. No.	Name of the Product	Qty (Qtl)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermi compost	82.86	8490.00	33146.00	-
2.	Earthworms	1.03		36225.00	-

**Performance of instructional farm (livestock and fisheries production) :**

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Goat	Tellicherry		5	-	13200.00	-

**Others**

Products	Name of the product	Quantity Kg/Nos/Lits.	Value (Rs.)	Number of farmers to whom provided
Mushroom	Spawn	268 Pkts	8040.00	23
	Oyster mushroom	52 Kg	7810.00	36
Machineries	Drum seeder	25 Nos	113375.00	25
	Sugarcane detrahser	1 No	500.00	1
Value added products	Pickles	11.4 kg	1710.00	18
Homecare products	Phenyl	11 lit	330.00	2
<b>Total</b>	-	-	<b>131765.00</b>	<b>105</b>

**Utilization of hostel facilities**

Accommodation available (No. of beds) : 50

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2013	12	1	-
May 2013	70	8	-
June 2013	55	8	-
July 2013	51	9	-
August 2013	73	8	-
September 2013	67	11	-
October 2013	52	6	-
November 2013	32	4	-
December 2013	25	4	-
January 2014	-	-	-
February 2014	-	-	-
March 2014	38	7	-

**Database management**

S. No	Database target	Database created
1.	Database on FLDs	Created and updated
2.	Database on library	Created and updated
3.	Database on Rainfall	Created and updated
4.	Website creation	Launched and updated regularly

#### 14. Details of HRD activities attended by KVK staff during 2012-13

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Mr.N.Rameshraj	SMS (Horticulture)	E-Extension initiatives of TNAU for effective field applications.	TNAU, Coimbatore	29.01.2014
		Role of KVKs in Market Maker India		30.01.2014

#### 15. Please include any other important and relevant information which has not been reflected above .

Name of the staff	Designation	Title of the programme	Institute where attended	Dates
Mr.N.Rameshraj	SMS (Horticulture)	National Dialogue on Farmers' Rights	Plant Protection Varieties and Farmers Right Authority, NASC, New Delhi.	22.05.2013
Mrs.T.Margaret	SMS (Home Science)	Annual Workers Conference	TANUVAS, Chennai	12.08.2013
Mr.N.Rameshraj	SMS (Horticulture)	State Level Farmers meeting involving all the stakeholders	TNAU Coimbatore	27.09.2013
Mr.N.Rameshraj	SMS (Horticulture)	National Conference on KVK	Zonal Project Directorate, Bangalore.	23.10.2013 to 25.10.2013
Mr.N.Rameshraj	SMS (Horticulture)	Mass Media Linkage Mechanism for Agriculture Development.	TNAU Coimbatore	05.11.2013 &06.11.2013
Mr.N.Rameshraj	SMS (Horticulture)	Administrative and Accounting procedures for KVK	KVK Coimbatore, organized by ZPD Unit, Bangalore.	20.02.2014 & 21.02.2014
Mr.O.Sekar	PA (Computer programmer)			
Mr.M. Vijayarajan	Lab technician	Transfer of tree cultivation technologies	Institute of Forest Genetics and Tree Breeding, ICFRE, Coimbatore .	21.03.2014

#### 16 Farmer Field School

Thematic area	Crop	Technology demonstrated	Village	Period		Participants		
				From	To	Male	Female	Total
ICM	Paddy	Integrated crop management	Kuppam	03.12.13	04.03.14	24	1	25