ANNUAL REPORT 2012-13

(FOR THE PERIOD APRIL 2012 TO MARCH 2013)

KRISHI VIGYAN KENDRA

THIRUVANNAMALAI

(Tamil Nadu Board of Rural Development)
Kilnelli village, Chithathur post, Cheyyar taluk
Thiruvannamalai district

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
Programme Coordinator Krishi Vigyan Kendra Kilnelli village, Chithathur post, Cheyyar Taluk, Thiruvannamalai Dist. Tamil Nadu. Pin code : 604 410.	04182 - 293484	04182 - 201525	kvktvmalai91@gmail.com	**www.kvkthiruvannamalai.com**

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	tnbrd1978@gmail.com	-

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

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

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

1.5. Staff Position (as 31st March 2013)

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	-	-	-	-	-	-	-	-
Pay scale : 15600 – 39100 + GP 5400/-										
2	Subject Matter Specialist	Mr.N.Rameshraja	SMS	M	Horticulture	***M.Sc(Ag.) Hort..***	***20830/-***	04.07.2003	Permanent	OBC
3	Subject Matter Specialist	Mrs.T.Margaret	SMS	F	Home Science	***M.Sc, M.phil***	***20830/-***	04.07.2003	Permanent	OBC
4	Subject Matter Specialist	Mr.P.Sudharsan	SMS	M	Agronomy	***M.Sc(Ag.),***	***16230/-***	30.12.2010	Permanent	OBC
5	Subject Matter Specialist	Mr.V.P.Karthikeyan	SMS	M	Soil Science	***M.Sc(Ag.),***	***15600/-***	03.01.2011	Permanent	OBC
6	Subject Matter Specialist	Vacant	-	-	Agrl. Extension	**-**	**-**	-	-	-
7	Subject Matter Specialist	Vacant	-	-	Animal Science	**-**	**-**	-	-	-
Pay scale : 9300-34800 + GP 4200/-										
8	Programme Assistant – T4	Mr.S.Murugesan	Lab Technician	M	Agro-forestry	***B.Sc(Forestry)***	***17580/-***	01.08.1995	Permanent	OBC
9	Programme Assistant – T4	Mr.O.Sekar	Comp. programmer	M	-	***B.Sc, PGDCA***	***17180/-***	01.09.1997	Permanent	OBC
10	Farm manager	Mr.D.Ilayakumar	Farm Manager	M	Agriculture	***B.Sc(Ag.)***	***9300/-***	28.07.2012	Permanent	SC

11	Assistant	Mrs.M.Viji	Assistant/ Accountant	F	-	M.Com.,	***17990/-***	01.02.1993	Permanent	OBC
Pay scale : 5200-20200 + GP 2400/-										
12	Jr. Stenographer Grade - III	Mrs.A.K.Geetha	Stenographer	F	-	B.Com, DCA	***11100/-***	01.10.1997	Permanent	OBC
Pay scale : 5200-20200 + GP 2000/-										
13	Driver	Mr.S.Janarthanan	Jeep Driver	M	-	***8th***	***9170/-***	01.09.1993	Permanent	OBC
14	Driver	Mr.T.Selvaraj	Tractor Driver	M	-	***9th***	***9030/-***	01.01.1996	Permanent	OBC
Pay scale : 5200-20200 + GP 1800/-										
15	Supporting staff	Mr.T.Varadhan	Animal Attender	M	-	***5th***	***7900/-***	01.02.1994	Permanent	OBC
16	Supporting staff	Mr.G.Selvam	Horticulture Attender	M	-	***5th***	***7900/-***	01.07.1995	Permanent	SC

1.6. Total land with KVK (in ha)

S.No	Item	Area (ha)
a.	Under building	2
b.	Orchard/Agro-forestry	1.6
c.	Under Crops	9
d.	Under Demonstration Units	3.2
e.	Others	4.2
Total		**20.0**

1.7. Infrastructural Development:

A) 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.	**Staff Quarters**							
	1. SMS quarters	ICAR	1997	390	13,42,350.00			
	2. Assistant Quarters	ICAR	1998	300	9,00,000.00			
4.	**Demonstration Units**							
	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			

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep : TN-09 AF – 0775	2004	4,82,356/-	164480	Good
MF Tractor & Trailer : TN-25 AX 1058	2012	5,70,000/-	214.6	Good
Hero Honda : TN–09 AP 4662	2006	36,890/-	60960	Good
Hero Honda passion plus : TN–25 S 0563	2009	49,476/-	32447	Good

1.8. Details SAC meeting conducted in 2012-13

Sl.No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
1.	05.07.12	25	-	Document the success story on silk cotton properly with all required data for its use as and when required.	One Television programme telecasted in Makkal TV and documented.
				Data base should be created for various KVK activities.	Data base has been created for Trainings, FLD, OFT and Library.
				KVK Scientists must visit the best KVKs for acquiring and implementing new technologies and innovations.	KVK scientists have made visits to KVK, Mysore and Gadag.
				Importance should be given for secondary agriculture activities with branding and marketing tie up.	EDP Trainings conducted.
				The operational area cluster villages should be selected covering entire district.	For the year 2013-14 cluster villages have been selected covering entire district.
				Importance should be given for the concept of integrated farming system for economic sustainability.	IFS Rice+Fish+Poultry model demonstrated under the NAIP project.
				Develop farmers as technocrats' in service area villages for the effective dissemination of technologies.	Farmer's clubs members were trained on priority basis.
				Increase the Television and radio programmes for the wide coverage.	18 television and 12 radio programmes completed.
				Initiatives may be taken in KVK for seed production to ensure timely availability of seeds to the farmers.	Paddy seeds supplied to farmers.
				Awareness should be created on Preparation of concentrate feed using sugarcane trash.	Trainings conducted.
				Trainings on fisheries may be conducted in collaboration with fishery development board.	Under progress.
				Awareness should be created among the farmers about the red-gram transplanting technologies.	Trainings conducted for farmers and extension personnel.
				Collaborate with NABARD in conduction of trainings, demonstrations and seminars on innovative technologies for the benefit of farmers club members.	Training, workshop and demonstrations conducted.
				Organise exposure visits to farmers for the practical exposure.	Proposed in action plan 2013-14.
				KVK should arrange training and demonstrations on the improved machineries.	FLD and method demonstrations have been organised.
				Create awareness among the farmers on soil testing.	Soil testing camps (3 Nos) and campaign (1No) were organised.

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 winder 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 ferrogenous 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)
1.	Paddy	108140	552270	5,107
2.	Cumbu	3124	6110	1,956
4	Maize	729	4009	5,500
5.	Ragi	3052	12864	4125
6.	Sugarcane	10102	808160	80000
Oilseeds				
7.	Groundnut	90395	145083	1605
8.	Gingelly	2410	2108	875
9.	Sunflower	6129	12258	2000
10.	Cotton	297	521	1756
Pulses				
11.	Redgram	3213	2567	799
12.	Blackgram	17713	6943	392
13.	Greengram	2354	1883	800

Vegetables				
14.	Brinjal	156	10803	13000
15.	Tomato	155	6737	14000
16.	Bhendi	95	8855	9000
Spices and Condiments				
17.	Chillies	80	80	1000
18.	Turmeric	320	1781	7745
Fruits				
19.	Banana	1652	69049	4904
20.	Mango	631	3990	5788

Source : Joint Director of Agriculture & Deputy Director of Horticulture, Thiruvannamalai

2.5. Weather data

Month	Rainfall(mm)	Temperature ^{o}C		Relative Humidity (%)
		Maximum	Minimum	
April'12	-	32.3 – 36.7	24.7 – 26.6	70-78
May'12	-			
June'12	42.2			
July'12	59			
August'12	147			
September'12	205.6			
October'12	153.0			
November'12	124.0			
December'12	72.8			
January'13	-			
February'13	-			
March'13	-			

Source : Statistical Department, Thiruvannamalai

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

Category	Population	Production	Productivity/ Animal
Cattle			
Cross breed/Exotic	2,50,811	230.59 (in '000 tonnes)	4.86 lits/day
Indigenous	2,30,632	40.31 (in '000 tonnes)	6.87 lits/day
Buffaloes	23,229	12.28 (in '000 tonnes)	4.29 lits/day
Sheep	198,318	589004 kg	2.97 kg
Goats	150,141	226713 kg	1.51 kg
Pigs	7259	10621 kg	14.65 kg
Fowls	246160	146.49 (in lakhs)	102 nos
Poultry	252314		

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	SV Nagram, Mottur, Thellur, Karippur, Melnagar, Agrapalayam, Chettithankal, S.U.Vanam, Ondikudisai, Sirumoor, Narasingapuram, Devigapuram, Othalavadi	2 years	Paddy	Labour shortage	Mechanization
						Improper weed management	
						Improper use of seeds	Direct sowing
						Improper nutrition	INM
					Blackgram	Cultivation of low yield potential varieties	Varietal demonstration
					Redgram	Low productivity	Varietal popularization and ICM practices
						Imbalanced nutrition	
						High plant population	
						High seed rate	
					Brinjal	Cultivation of varieties with low yield potential.	Varietal demonstration
						Shoot and fruit borer, Blight	IPDM
						Imbalanced nutrition	INM, Soil testing
						Low germination rate, Poor quality seedlings, Poor field establishment.	Nursery Management
					Snake gourd Bitter gourd, Ribbed gourd	Low fruit set, Poor quality fruits , Maleness	Growth regulator application, Foliar nutrition.
						Imbalanced nutrition	INM, Soil testing
						Fruit fly, Downy mildew	IPDM

1	Arni	Arni	SV Nagram, Mottur, Thellur, Karippur, Melnagar, Agrapalayam, Chettithankal, S.U.Vanam, Ondikudisai, Sirumoor, Narasingapuram, Devigapuram, Othalavadi	2 Years	Jasmine	Yellowing of leaves	INM, IPM
						Bud worm	IPM
					Dairy cattle	High cost of concentrate feed	Feed management
						Low milk yield	
						Poor growth	
						Infertility	Reproductive management
						FMD disease	Disease management
					Tree crops	Using local variety and scattered planting	Varietal demonstration & Agro forestry system
					Paddy	Improper use of seeds	Direct sowing
						Improper nutrition	INM & SRI
					Sugarcane	Poor germination, Yield loss due to burning of sugarcane trashes	Composting technology
						Lack of detrashing due to labour shortage	Use of detrasher
					Turmeric	Shortage of quality seed rhizomes	Nursery raising
						Leaf spot and rhizome rot diseases	IDM
						Imbalanced nutrition,	INM
						Quality reduction due to improper processing	Post harvest management
					Calf	Mortality	Disease management
					Sheep and goat	Parasitic infestation	Disease management
						Imbalanced nutrition	Feed management
					Tree crops	Lack of awareness on wood shavings utilization	Income generation
						Poor utilization of wasteland	Agro-forestry system

2	Arni	West Arni	5-Puthur, Kalasamuthuram, Ayyampalayam, Andipalayam, Vannankulam, Kattukanallur, Ramachandrapuram, Gengurampattu, Athimalaipattu	2 years	Paddy	Improper use of seeds	Direct sowing
						Improper nutrition	INM & SRI
					Sugarcane	Poor germination, Yield loss due to burning of sugarcane trashes	Composting technology
						Lack of detrashing due to labour shortage	Use of detrasher
					Turmeric	Shortage of quality seed rhizomes	Nursery raising
						Leaf spot and rhizome rot diseases	IDM
						Imbalanced nutrition,	INM
						Quality reduction due to improper processing	Post harvest management
					Calf	Mortality	Disease management
					Sheep and goat	Parasitic infestation	Disease management
						Imbalanced nutrition	Feed management
					Tree crops	Lack of awareness on wood shavings utilization	Income generation
						Poor utilization of wasteland	Agro-forestry system
3	Polur	Polur	Padavedu, Samanthipuram, Santhavasal, Mallikapuram, Sagunthalapuram, Mangalapuram, Devanankulam, Kelur	1 year	Paddy	Labour shortage	Mechanization
						Improper Nutrient management	INM & SRI
					Redgram	Low productivity	ICM
						Imbalanced nutrition	
					Groundnut	Use of local variety	ICM, INM, IWM, IPM
						Improper nutrient management	
						Improper weed management	
						Improper moisture conservation measures	Water conservation
						Cultivation of low yield potential varieties	Varietal deomstration

					Sugarcane	Poor germination, Yield loss due to burning of sugarcane trashes	Composting technology
						Lack of detrashing due to labour shortage	Use of detrasher
						Labour scarcity	SSI, ICM
						High cost of cultivation	
					Banana	Low bunch grade and weight	ICM, Precision farming
						Imbalanced nutrition	
						Lack of micro nutrient application	
						Lack of awareness on improved planting methods.	
						Sigatoka leaf spot, Pseudo stem borer	IPDM
					Tomato	Low germination rate, Poor quality seedlings, Poor field establishment	Nursery management
						Imbalanced nutrition	INM, soil testing
						Fruit borer, Leaf curl	IPM / IDM
					Cow	Lack of hygienic practices in milking	Disease management
						Post partum anoestrum	Reproductive management.
					Poultry	Lack of improved variety	Demonstration of improved variety

4	Vandavasi	Thellar	Malaiyur, Desur, Theyyar, Vayalur, Poongunam,	2 years	Paddy	Improper nutrition	INM & SRI
					Groundnut	Use of local variety	INM
						Improper nutrient management	
					Chillies	Cultivation of local varieties with low yield potential	Hybrid varietal demonstration
						Imbalanced nutrition	INM
						Thrips, Mites, Leaf curl	IPDM
					Dairy cattle	Fodder shortage and Lack of fodder varieties	Promotion of fodder bank
						Poor management practices	Reproductive and disease mgt.

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
6	6	60	60	12	12	110	110

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
70	88	1500	1608	400	20000	477	16732

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
-	-	30000	33246

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
-	-	10000	15594

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 weed management	-	Mechanization in paddy	3	-	-	2	-	-	-	-	-
2	Direct sown	Paddy	Improper use of seeds and labour shortage	-	Direct sowing in paddy using drum seeder	5	-	1	-	-	-	-	-	-
3	Weed management	Groundnut	Weed menace	Assessment the performance of sulphur oxidizing bacterial inoculants in irrigated groundnut	-	1	-	-	-	-	-	-	-	-
4	Varietal evaluation	Redgram	Use of low yielding varieties and seed rate	Assessment of redgram varieties for transplanting method	-	1	-	-	-	Seed 0.06	-	-	-	Psudomonas- 10 kg
5	SSI	Sugarcane	Low cane yield, Labour scarcity, High cost of cultivation	-	Demonstration on sustainable sugarcane initiative	1	-	-	-	-	-	-	-	-
6	ICM	Blackgram	Cultivation of low yielding variety and Imbalanced nutrition.	-	ICM in blackgram- VBN 6	1	-	-	-	Seed 0.06	-	-	-	▪ Pulse wonder- 11.2 kg ▪ Rhizobium - 8 kg. ▪ Phosphobacteria- 8kg

7		Groundnut	Use of local variety, Improper nutrient management		ICM in groundnut – TMV-13	3	-	-	-	Seed 4	-	-	-	▪ Rhizobium –5 kg. ▪ Phosphobaceria-5 kg ▪ Groundnut rich-11 kg.
8	ICM	Brinjal, Chillies, Tomato	Lack of adoption of improved production techniques, Cultivation of varieties with low yield potential	-	ICM in VRM(BR)1 Brinjal	2	-	-	2	0.01	-	-	-	-
					ICM in CO(CH)1 Chillies					0.005	-	-	-	-
9		Banana	Low bunch grade & Weight	-	ICM in Banana	2	-	-	-	-	-	-	-	-
10		Turmeric	Imbalanced nutrition, Leaf spot, Rhizome rot			1	-	-	1	-	-	-	-	-
11	INM	Paddy	Imbalanced nutrition	-	-	4	-	-	-	-	-	-	-	-
12		Groundnut	Imbalanced nutrition	Assessment of SOB in groundnut	Cultivation of CO-6 with Designer MN mixture for rainfed groundnut	5	-	-	-	4 (CO-6)	-	-	-	-
13		Banana	Indiscriminate use of fertilizers	-	-	1	-	-	-	-	-	-	-	-
14		Turmeric	Indiscriminate use of fertilizers	-	-	2	-	-	-	-	-	-	-	-
15		Snakegourd	Imbalanced nutrition	-	INM in snakegourd	1	-	-	1	-	-	-	-	8 kg Azospirillum & Phosphobacteria
16		Vegetables	Imbalanced nutrition	-	-	1	-	-	-	-	-	-	-	-

17	INM	Turmeric	Imbalanced nutrition	-	-	1	-	1	-	-	-	-	-	-
18	Composting	Sugarcane	Burning of trashes	Assessment of sugarcane trash composting techniques	-	2	-	-	-	-	-	-	-	5 Kg Bio mineralizes, Trichoderma spp. Bacillus subtilis
19	Composting	Vermicompost	Lack of awareness on bio manures	-	-	1	-	1	-	-	-	-	-	-
20	Soil, water and problem soil management	-	Lack of awareness on soil and water testing	-	-	1	-	3	-	-	-	-	-	-
21	IPM	Brinjal	-	-	-	1	-	-	-	-	-	-	-	-
22	Nursery management	Vegetables	Low germination, Poor quality seedlings and field establishment	-	-	2	-	-	-	-	-	-	-	-
23		Turmeric	Shortage of quality seed rhizomes	Assessment of planting methods in turmeric	-	1	-	-	1	4 (Rhizomes)	-	-	-	*800 kg Cocopeat*
24	Precision farming	Vegetables	Lack of awareness on improved production techniques	-	-	1	-	1	-	-	-	-	-	-
25		Banana		-	-	-	-	1	-	-	-	-	-	-
26	Nutrition management	Cow	High cost of concentrate feed, low milk yield, poor growth	Assessment of GRAND supplement in Cross Bred Dairy cows	-	2	-	-	-	-	-	-	-	-
			Poor dairy cattle management	-	-	5	-	-	-	-	-	-	-	-

27	Value addition	Banana	Low market price	-	-	1	-	-	-	-	-	-	-	-
28		Field crops	Low market price	-	-	3	3	1	-	-	-	-	-	-
			Lack of farmer friendly equipments	-	-	3	-	1	-	-	-	-	-	-
29		Fruits and vegetables	Low market price	-	-	2	-	-	-	-	-	-	-	-
30	Storage loss minimization technique	Vegetables	Lack of knowledge on energy saving device	-	-	1	-	-	-	-	-	-	-	-
31	Mushroom production	Mushroom	Lack of knowledge on mushroom cultivation	-	-	1	-	-	-	-	-	-	-	-
32	Agroforestry system	Pulpwood	Low yield from pulpwood		Introduction of MTP-2 Casuarina	5	-	-	-	-	Seedlings 2125	-	-	-
33	Agroforestry system	Kumil	Poor utilization of waste land	-	Cultivation of matchwood in agroforestry system	5	-	-	-	-	Seedlings 1000	-	-	-
		Trees	Poor income from wasteland	-	-	2	-	-	-	-	-	-	-	-
34	Renewable energy	Energy plantation		-	-	-	-	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	3	2
2	Direct sown in paddy	TNAU		-	1	6	-
3	Weed management in groundnut	TNAU	Groundnut	1	-	1	-
4	ICM in groundnut	TNAU		-	1	3	-
5	Varietal evaluation in redgram	TNAU, UAS Raichur	Redgram	1	-	1	-
6	ICM in Blackgram	TNAU	Blackgram	-	1	1	-
7	Sustainable sugarcane initiative in sugarcane	TNAU	Sugarcane	-	1	1	-
8	INM	TNAU	Paddy	-	-	4	-
9	INM	TNAU	Groundnut	1	1	5	-
10	Composting	TNAU, SBI coimbatore	Sugarcane	1	-	2	-
11	Soil, water testing and problem soil management	TNAU	-	-	-	3	-
12	ICM	TNAU	Turmeric	1	-	1	1
	INM	TNAU		-	-	2	-
	INM	TNAU		-	-	2	-
13	INM	TNAU	Snake gourd	-	1	1	1
14	Precision farming	TNAU	Vegetables	-	-	2	-
15	Improved nursery management	TNAU	Vegetables	-	-	2	-
	INM	TNAU, IIHR		-	-	1	-
	ICM	TNAU	Brinjal, Chillies, Tomato	-	2	2	2

16	IPM	TNAU	Brinjal	-	-	1	-
17	Precision farming	TNAU	Banana	-	-	1	-
18	ICM	TNAU, NRCB, IIHR		-	1	2	-
19	INM	TNAU		-	-	1	-
20	Assessment of GRAND supplement in Cross Bred Dairy cows	TANUVAS	Cow	1	-	2	-
21	Dairy management	TANUVAS	Cow	-	-	5	-
22	Value addition	TNAU	Field crops, Fruits and Vegetables	-	-	8	1
23	Drudgery reduction	CIAE, TNAU	Field crops	-	-	4	-
24	Mushroom production	TNAU	Mushroom	-	-	1	1
25	Storage minimization techniques	TNAU	Fruits and vegetables	-	-	1	-
26	Post harvest management	TNAU	Banana	-	-	1	-
27	Cultivation techniques of high yielding pulpwood	TNAU-FC & RI	Pulpwood	-	1	5	-
28	Cultivation techniques of kumil	TNAU-FC & RI	Kumil	-	-	1	-
29	Cultivation techniques of kumil in AF system	TNAU-FC & RI	Kumil	-	1	4	-
30	Contract farming of treecrops in AF system	TNAU-FC & RI	Trees	-	-	2	-
31	Renewable energy sources	TNAU-FC & RI	Energy plantation	-	-	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	13	14	15	16	17	18	19	20	21	22	23	24
1	-	-	-	-	10	-	-	-	50	1	-	-	32	-	1	-
2	-	-	-	-	10	-	-	-	67	9	-	-	-	-	-	-
3	5	--	-	-	-	-	-	-	26	2	-	-	-	-	-	-
4	-	-	-	-	9	1	-	-	33	4	-	-	-	-	-	-
5	4	1	-	-	-	-	-	-	6	-	10	-	-	-	-	-
6	-	-	-	-	6	4	-	-	6	-	10	-	-	-	-	-
7	-	-	-	-	5	-	-	-	8	-	6	-	-	-	-	-
8	-	-	-	-	-	-	-	-	80	6	4	-	-	-	-	-
9	5	-	-	-	10	-	-	-	66	9	-	-	-	-	-	-
10	10	-	-	-	-	-	-	-	33	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	61	3	3	-	-	-	-	-
12	5	-	-	-	-	-	-	-	10	-	-	-	15	1	-	-
	-	-	-	-	-	-	-	-	43	3	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	26	-	-	-	-	-	-	-
13	-	-	-	-	10	-	-	-	21	-	-	-	10	-	-	-
14	-	-	-	-	-	-	-	-	33	5	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	37	1	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-
	-	-	-	-	18	2	-	-	17	3	-	-	45	12	5	-

16	-	-	-	-	-	-	-	-	18	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	23	3	-	-	-	-	-	-
18	-	-	-	-	10	-	-	-	26	-	4	-	-	-	-	-
19	-	-	-	-	-	-	-	-	12	4	1	-	-	-	-	-
20	29	1	-	-	-	-	-	-	43	10	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	34	14	2	-	-	-	-	-
22	-	-	-	-	-	-	-	-	51	73	14	-	8	93	8	-
23	-	-	-	-	-	-	-	-	42	9	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	16	7	-	-	16	7	-	-
25	-	-	-	-	-	-	-	-	12	8	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	17	-	-	-	-	-	-
27	-	-	-	-	4	1	-	-	76	18	3	-	-	-	-	-
28	-	-	-	-	-	-	-	-	14	4	-	-	-	-	-	-
29	-	-	-	-	7	3	-	-	37	15	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	37	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	20	6	-	-	-	-	-	-

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	-	-	1	-	-	-	-	-	-	**1**
Weed Management	-	1	-	-	-	-	-	-	-	**1**
Seed / Plant production	-	-	-	1	-	-	-	-	-	**1**
Total	-	**2**	**1**	**2**	-	-	-	-	-	**5**

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

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

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Nutrition Management	1	-	-	-	-	**1**
TOTAL	**1**	-	-	-	-	**1**

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

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)
Integrated Nutrient Management	Groundnut	Assessment of the performance of sulphur oxidizing bacterial inoculants in irrigated groundnut	5	5	0.2
	Sugarcane	Assessment of sugarcane trash composting techniques	10	10	0.2
Varietal Evaluation	Redgram	Assessment of redgram varieties for transplanting method	5	5	0.2
Weed Management	Groundnut	Assessing the performance of newer molecule herbicides in groundnut	5	5	0.4
Seed / Plant production	Turmeric	Assessment of planting methods in turmeric	5	5	0.2
Total	**-**	**-**	**30**	**30**	-

4.B.2. Technologies Refined under various Crops : Nil

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

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Nutrition management	Cow	Assessment of GRAND Supplement In Cross Bred Dairy Cows	60	30
Total			**60**	**30**

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

4.C1. Results of Technologies Assessed

Results of On Farm Trial

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 10.89 % 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.		1710				
					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.	-	22.93	t/ha	193460.00	2.12 : 1
TO2: Direct planting of rhizomes at 45 x 15 cm spacing.	TNAU	23.91	t/ha	213210.00	2.26 : 1
TO3: Planting of 45 days old seedlings at 45 x 15 cm spacing.	Farmer's innovation	25.43	t/ha	259912.00	2.77 : 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	1710	625
2	Yield : t/ha	22.93	23.91	25.43

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	2	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 and fertilization schedule for the entire life span of the crop need 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

Soil science

1. Assessment of the performance of sulphur oxidizing bacterial inoculants in irrigated groundnut

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feed back from the farmer	Any refine ment needed	Justificati on for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Groundnut	Irrigated	Low productivity, Less number of nodules, pods	Assessment of the performance of sulphur oxidizing bacterial inoculants in irrigated groundnut	5	**TO1:** Recommended dose of fertilizers 10 : 10 : 45 NPK /ha.	▪ Pods/ plant	25	TO 3 resulted in 25.7 % increase in yield.	TO 3 is practicall y feasible and economic ally viable.	-	-
					TO2: Seed treatment of rhizobium 1 kg/ha.		32				
					TO3: Seed treatment SOB 1 kg/ha + Rhizobium 1 kg/ha + Soil application of SOB @ 5 kg/ha. on 45 days during earthing up.		33				

Contd..

Technology Assessed	Source of Technology	Production	Unit	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
TO1: Recommended dose of fertilizers 10 : 10 : 45 NPK /ha.	-	16.62	Q/ha	30510.00	2.57 : 1
TO2: Seed treatment of rhizobium 1 kg/ha.	TNAU	16.90	Q/ha	31300.00	2.60 : 1
TO3: Seed treatment SOB 1 kg/ha + Rhizobium 1 kg/ha + Soil application of SOB @ 5 kg/ha. on 45 days during earthing up.	TNAU	17.16	Q/ha	31980.00	2.64 : 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 the performance of sulphur oxidizing bacterial inoculants in irrigated groundnut

2 Problem Definition : Low productivity, Less number of nodules, pods

3 Details of technologies selected for assessment

TO1: Recommended dose of fertilizers 10 : 10 : 45 NPK /ha.

TO2: Seed treatment of rhizobium 1 kg/ha.

TO3: Seed treatment SOB 1 kg/ha + Rhizobium 1 kg/ha + Soil application of SOB @ 5 kg/ha. on 45 days during earthing up.

4 Source of technology : **TO2 :** TNAU, **TO3 :** TNAU

5 Production system and thematic area : Irrigated - INM

6 Performance of the Technology with performance indicators :

Sl.No.	Performance Indicators	Technological options		
		TO1	TO2	TO3
1	No. of pods per plant	25	32	33
2	Yield : Q/ha	16.62	16.90	17.16

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)

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	:	TO3 viz., application of SOB in groundnut can be followed for the better yield.
9	Constraints identified and feedback for research	:	-
10	Process of farmers participation and their reaction	:	Farmers actively participated. They are very much satisfied with the performance of the TO3

2. Assessment of sugarcane trash composting techniques

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
Sugarcane	Irrigated	Poor germination and yield loss due to burning of trashes	Assessment of sugarcane trash composting techniques	10	**TO1:** Burning of sugarcane trashes.	▪ Duration of composting. (days)	-	TO3 was best for composting the trash.	TO3 was practically feasible and resulted in increased soil nutrient status	-	-
					TO2: Composting with TNAU bio mineralizer @ 5 kg/ha.		97				
					TO3: Composting with microbial culture (*Trichoderma spp.+Aspergillus spp.+Bacillus substits)* @ 5 kg/ha.		92				

Contd..

Technology Assessed	Source of Technology	Production	Unit	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
TO1: Burning of sugarcane trashes.	-	928	Q/ha	54100.00	1.41 : 1
TO2: Composting with TNAU bio mineralizer @ 5 kg/ha.	TNAU	962.5	Q/ha	61600.00	1.47 : 1
TO3: Composting with microbial culture (*Trichoderma spp.+Aspergillus spp.+Bacillus substits)* @ 5 kg/ha.	SBI, Coimbatore	1003	Q/ha	69200.00	1.52 : 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 sugarcane trash composting techniques

2 Problem Definition : Burning of sugarcane trashes.

3 Details of technologies selected for assessment

TO1 : Burning of sugarcane trashes.

TO2 : Composting with TNAU bio mineralizer @ 5 kg/ha.

TO3 : Composting with microbial culture (Trichoderma spp.+Aspergillus spp.+Bacillus substits) @ 5 kg/ha.

4 Source of technology : **TO2 :** TNAU, **TO3 :** SBI, Coimbatore

5 Production system and thematic area : Irrigated – Composting

6 Performance of the Technology with performance indicators :

Sl.No.	Performance Indicators	Technological options		
		TO1	TO2	TO3
1	Duration of composting	-	97	92
2	Yield : Q/ha	928	962.5	1003

7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques : TO3 was found in best in terms of duration of composting, nutrient availability and yield.

8 Final recommendation for micro level situation : TO3 sugarcane trash composting using microbial culture of SBI Coimbatore can be followed for better yield in sugarcane.

9 Constraints identified and feedback for research : -

10 Process of farmers participation and their reaction : Farmers actively participated. They are very much satisfied with the performance of the TO3

D. Animal Science

1. Assessment of GRAND Supplement In Cross Bred Dairy Cows

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 done / needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Dairy cattle	-	Improper feed management, Low milk yield	Assessment of GRAND Supplement In Cross Bred Dairy Cows	60	**TO1:** Feeding of gruel and gram husk.	▪ Avg. milk yield (lit./ day)	7.50	TO 2 is improve the milk yield.	TO2 was best in terms of high milk yield and improved physical appearance	-	-
					TO2: Deworming blous 1 No/cow and Feeding of GRAND supplement @ 20 ml /cow/day for 60 days, along with gruel and gram husk		7.92				

Contd..

Technology Assessed	Source of technology	Production (Milk Yield)	Unit	Net Return Rs. / day/animal	BC Ratio
13	**14**	**15**	**16**	**17**	**18**
TO1: No mineral mixture supplementation	-	7.50	Lit/animal/day	59.00	1.78 : 1
TO2: Deworming blous 1 No/cow and Feeding of GRAND supplement @ 20 ml /cow/day for 30 days, along with gruel and gram husk	TANUVAS	7.92	Lit/animal/day	66.00	1. 86 : 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 GRAND Supplement In Cross Bred Dairy Cows

2 Problem Definition : Improper feed management, Low milk yield.

3 Details of technologies selected for assessment :

TO1: Feeding of gruel and gram husk.

TO2: Deworming blous 1 No/cow and Feeding of GRAND supplement @ 20 ml /cow/day for 30 days, along with gruel and gram husk

4 Source of technology : TANUVAS

5 Production system and thematic area : Nutrition management

6 Performance of the Technology with performance Indicators :

S.NO	Performance Indicators	Technology options	
		TO-1	TO-2
1	Avg. milk yield per day (lit.)	7.50	7.92

7. Feedback, matrix scoring of various technologies Parameters done through farmer's participation / other scoring techniques : **TO 2** was best in terms of high milk yield and it improved the physical appearance of the animal.

8 Final recommendation for micro level situation : **TO2 –** Feeding of GRAND supplement to cross bred dairy cows to improve the milk production in dairy cattle.

9 Constraints identified and feedback for research : -

10 Process of farmer's participation and their reaction : Farmers actively participated in the assessment.
Their opinion was TO2 is best and improved the milk yield.

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented during 2012-13

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated
1.	Oilseeds	Irrigated	Rabi 12-13	Groundnut	TMV-13	-	ICM	**ICM in Groundnut TMV-13** ▪ TMV -13 Groundnut pods @ 200 kg/ha. ▪ Soil test based NPK application. ▪ Seed treatment with rhizobium and phosphobacteria 2.5 kg/ha. ▪ Groundnut rich @ 5.5 kg/ha. twice. ▪ Spraying of profenophos 1 lit./ha. 30th and 45th day based on pest noticed.
		Irrigated	Rabi 12-13	Groundnut	CO-6	-	ICM	**ICM of rainfed groundnut CO-6** ▪ Seed Co-6@ 200 kg/ha. ▪ TNAU Designer MN mixture @ 7.5 kg/ha. ▪ Application of gypsum @ 400 kg/ha. ▪ Soil test based NPK.
2	Pulses	Irrigated	Rabi 12-13	Blackgram	VBN-6	-	ICM	**ICM in Blackgram** ▪ Seed VBN-6 @ 20 kg/ha. ▪ Soil test based NPK. ▪ Seed treatment with biofertilizer ▪ Spraying of pulse wonder 5.6 kg/ha during flowering stage.@750 ml/ha.

3	Cereals	Irrigated	Rabi 12-13	Paddy	ADT-43	-	Mechanization	**Mechanization in paddy** ▪ Tray nursery ▪ Power weeder ▪ Mechanical harvester
		Irrigated	Rabi 12-13	Paddy	ADT-45	-	Direct sowing	**Direct sowing in paddy using drum seeder** ▪ Drum seeder ▪ Seed rate 30 kg/ha. ▪ Bispyribac sodium
4	Vegetables	Irrigated	Rabi 12-13	Brinal	VRM(Br)1	-	Varietal Demonstration	**ICM in brinjal** ▪ VRM(BR)1 varietal demonstration ▪ Protray nursery ▪ Soil test based NPK application ▪ Spraying of vegetable special
		Irrigated	Rabi 12-13	Chillies	CO(CH)1	-	Hybrid varietal Demonstration	**ICM in Chilli hybrid** ▪ CO(CH)1 Chilli hybrid demonstration ▪ Protray nursery ▪ Soil test based NPK application ▪ Spraying of vegetable special
		Irrigated	Kharif 12	Snakegourd	SSS	-	INM	**INM in snake gourd** ▪ Soil test based NPK ▪ Soil application of bio fertilizers 2 kg/ha. ▪ Vegetable special @ 3gm/lit. ▪ Neem cake @ 250 kg/ha.
5	Commercial	Irrigated	Kharif 12	Sugarcane	COC 101	-	Nursery management	**Sustain able sugarcane initiative** ▪ Chip cutter ▪ Protray for nursery raising. Sugarcane booster @ 22.5 kg.

6	Plantation	Irrigated	Kharif 12	Banana	Karpoora valli	-	ICM	**ICM in Banana** ▪ NPK application – soil test based. ▪ Banana special – 6 sprays @ 0.5 % ▪ Bio fertilizers as soil application (2times ▪ Prolinage of suckers with carbofuran ▪ Foliar application of fungicides ▪ Stem injection of monocrotophos-5 to 8 month of planting
7	Others – Tree crops	Rainfed	Kharif 12	Casuarnia	MTP-2	-	AF system	**Introduction of casuarina – MTP-2** ▪ New improved casuarina variety ▪ (TNAU MTP 2) clones at 5 x 5 ft spacing. ▪ Cultivation of short duration crop as intercrop. (Groundnut & Pulses).
		Rainfed	Kharif 12	Kumil	Gmelina arborea	-		**Cultivation of matchwood in AF system** ▪ Kumil (Gmelina arborea) - block planting at 3 x 3 m spacing. ▪ Cultivation of short duration crop as intercrop. (Groundnut & Pulses).

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	0	10	10	-
		Groundnut : Co-6	2	2	0	10	10	-
2	Pulses	Blackgram : VBN-6	2	2	0	10	10	-
3	Cereals	Paddy : Mechanization	2	2	0	10	10	-
		Paddy : Drum seeder	2	2	0	10	10	-
4	Vegetables	Brinjal : VRM(BR)-1	2	2	-	10	10	-
		Chillie hybrid : CO(CH)1	2	2	-	10	10	-
		Snake gourd	2	2	-	10	10	-
5	Commercial	Sugarcane	1	1	0	5	5	-
6	Plantation	Banana	1	1	0	10	10	-
7	Others – Tree crops	Casuarina – MTP-2	0.5	0.5	0	5	5	-
		Matchwood - Kumil	1	1	0	10	10	-
Total			**19.5**	**19.5**	**-**	**110**	**110**	-

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		
Oilseeds											
Groundnut	**ICM in Groundnut TMV-13** ▪ TMV -13 Groundnut pods @ 200 kg/ha. ▪ Soil test based NPK application. ▪ Seed treatment with rhizobium and phosphobacteria 2.5 kg/ha. ▪ Groundnut rich @ 5.5 kg/ha. twice. ▪ Spraying of profenophos 1 lit./ha. 30th and 45th day based on pest noticed.	TMV-13	-	Irrigated	10	2	18.20	14.50	17.02	12.35	37.81
Groundnut	**ICM of rainfed groundnut CO-6** ▪ Seed Co-6@ 200 kg/ha. ▪ TNAU Designer MN mixture @ 7.5 kg/ha. ▪ Application of gypsum @ 400 kg/ha. ▪ Soil test based NPK.	CO-6	-	Irrigated	10	2	17.3	16.5	16.94	12.44	36.17

Pulses											
	ICM in Blackgram ▪ Seed VBN-6 @ 20 kg/ha. ▪ Soil test based NPK. ▪ Seed treatment with biofertilizer ▪ Spraying of pulse wonder 5.6 kg/ha during flowering stage.@750 ml/ha.	VBN-6	-	Irrigated	10	2	8.42	7.74	8.07	7.02	14.9
Cereals											
Paddy	**Mechanization in paddy** ▪ Tray nursery ▪ Power weeder ▪ Mechanical harvester	ADT-43		Irrigated	10	2	55.6	44.70	52.48	44.35	18.33
Paddy	**Direct sowing in paddy using drum seeder** ▪ Drum seeder ▪ Seed rate 30 kg/ha. ▪ Bispyribac sodium	ADT-45		Irrigated	10	2	65.62	48.60	54.51	44.50	22.49
Vegetables											
Chilli	**ICM in Chilli hybrid** ▪ CO(CH)1 Chilli hybrid demonstration ▪ Protray nursery ▪ Soil test based NPK application ▪ Spraying of vegetable special	-	CO (CH)1	Irrigated	10	2	44.80	39.50	42.44	21.09	101.23
Snake gourd	**INM in Snake gourd** ▪ Soil test based NPK ▪ Soil application of bio fertilizers 2 kg/ha. ▪ Vegetable special @ 3gm/lit. ▪ Neem cake @ 250 kg/ha.	SSS	-	Irrigated	10	2	192.4	175.9	185.9	168.2	10.5

(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
Oilseeds								
Groundnut-TMV-13	19250	51060	31810	2.65 : 1	19450	37050	17600	1.90 : 1
Groundnut-CO-6	19500	50820	31320	2.60 : 1	19650	37320	17670	1.89 : 1
Pulses								
Blackgram-VBN-6	15200	28245	13045	1.85 : 1	14400	23868	9468	1.65 : 1
Cereals								
Paddy-Mechanization	28650	68224	39574	2.38 : 1	29795	57655	27860	1.93 : 1
Paddy-Direct sowing	24850	70863	46013	2.85 : 1	30650	57850	27200	1.88 : 1
Millets								
Vegetables								
Brinjal : VRM(BR)1	-	-	-	-	-	-	-	-
Chilli Hybrid : CO (CH)1	73750	207956	134206	2.82 : 1	48750	115995	67245	2.37 : 1
Snake gourd	60970	167310	106340	2.74 : 1	60820	151380	90560	2.48 : 1

Data on additional parameters other than yield (viz., reduction of percentage in weed/pest/ diseases 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	28
Groundnut - CO 6	No. of pods per plant	32	25
Paddy-Direct sown using drum seeder	No. of tillers/hill	43	26
Paddy-Mechanization	Labour requirement/ha	22	125
Blackgram-VBN-6	No. of pods per plant	41	32
Chillies – CO(CH)1	Days to 50 % flowering	39	48
	Fruit length (cm)	8.74	6.84
Snakegourd	Fruit weight (gm)	238.4	130.2

5.B.6. Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Number of participants	Remarks
1	Field days	5	138	-
2	Farmers Training	12	110	-
3	Media coverage	2	-	-
4	Training for extension functionaries	2	56	-

PART VI – DEMONSTRATIONS ON CROP HYBRIDS

Demonstration details on crop hybrids

Type of Breed	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Others-Chilli	**ICM in Chilli** ▪ CO(CH)1 Chilli hybrid demonstration ▪ Protray nursery ▪ Soil test based NPK application ▪ Spraying of vegetable special	CO (CH)1	10	2	44.8	39.5	42.44	21.09	101.23	73750	207956	134206	2.82:1	48750	115995	67245	2.37:1
Total	-	-	**10**	**2**	-	-	-	-	-	-	-	-	-	-	-	-	-

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
Crop Production										
Cropping Systems	3	49	1	50	0	0	0	49	1	50
Nursery management	1	27	0	27	0	0	0	27	0	27
Integrated Crop Management	3	50	2	52	10	0	10	60	2	62
Production of organic inputs	1	6	6	12	0	0	0	6	6	12
Horticulture										
a) Vegetable Crops										
Nursery raising	2	37	1	38	0	0	0	37	1	38
Others (pl.specify)-Precision farming	1	15	5	20	0	0	0	15	5	20
b) Fruits										
c) Ornamental Plants										
d) Plantation crops										
Production and Management technology	1	16	0	16	4	0	4	20	0	20
e) Tuber crops										
f) Spices										
Production and Management technology	1	15	0	15	0	0	0	15	0	15
g) Medicinal and Aromatic Plants										

Soil Health and Fertility Management										
Integrated nutrient management	8	123	15	138	3	0	3	126	15	141
Livestock Production and Management										
Dairy Management	3	34	14	48	0	0	0	34	14	48
Home Science/Women empowerment										
Value addition	4	13	53	66	1	0	1	14	53	67
Location specific drudgery reduction	2	37	0	37	0	0	0	37	0	37
Agril. Engineering										
Plant Protection										
Integrated Pest Management	2	29	2	31	0	0	0	29	2	31
Fisheries										
Production of Inputs at site										
Mushroom production	1	16	7	23	0	0	0	16	7	23
Capacity Building and Group Dynamics										
Agro-forestry										
Production technologies	5	79	9	88	0	0	0	79	9	88
TOTAL	**38**	**546**	**115**	**661**	**18**	**0**	**18**	**564**	**115**	**679**

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
Crop Production										
Weed Management	1	13	1	14	0	0	0	13	1	14
Cropping Systems	2	26	6	32	0	0	0	26	6	32
Crop Diversification	1	6	0	6	10	0	10	16	0	16
Nursery management	1	8	0	8	6	0	6	14	0	14
Integrated Crop Management	2	20	3	23	0	0	0	20	3	23
Integrated Nutrient Management	1	13	1	14	0	0	0	13	1	14
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	2	17	3	20	0	0	0	17	3	20
b) Fruits										
c) Ornamental Plants										
d) Plantation crops										
Production and Management technology	1	10	0	10	0	0	0	10	0	10
e) Tuber crops										
f) Spices										
Production and Management technology	1	10	0	10	0	0	0	10	0	10
g) Medicinal and Aromatic Plants										
Soil Health and Fertility Management										
Soil fertility management	1	16	0	16	0	0	0	16	0	16
Integrated nutrient management	8	139	4	143	4	0	4	143	4	147
Micro nutrient deficiency in crops	1	15	0	15	0	0	0	15	0	15
Soil and water testing	1	17	0	17	0	0	0	17	0	17
Livestock Production and Management										
Dairy Management	2	43	10	53	2	0	2	45	10	55
Feed and Fodder technology	1	22	0	22	0	0	0	22	0	22
Home Science/Women empowerment										
Storage loss minimization techniques	1	12	8	20	0	0	0	12	8	20

Value addition	1	5	0	5	13	0	13	18	0	18
Location specific drudgery reduction	1	5	9	14	0	0	0	5	9	14
Agril. Engineering										
Plant Protection										
Integrated Pest Management	1	18	0	18	0	0	0	18	0	18
Fisheries										
Production of Inputs at site										
Agro-forestry										
Production technologies	6	82	28	110	6	0	6	88	28	116
TOTAL	**36**	**497**	**73**	**570**	**41**	**0**	**41**	**538**	**73**	**611**

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
Value addition	1	24	0	24	0	0	0	24	0	24
TOTAL	**1**	**24**	**0**	**24**	**0**	**0**	**0**	**24**	**0**	**24**

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	14	15	29	0	0	0	14	15	29
Post Harvest Technology	1	0	17	17	0	0	0	0	17	17
TOTAL	**3**	**14**	**32**	**46**	**0**	**0**	**0**	**14**	**32**	**46**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	1	17	0	17	13	0	13	**30**	**0**	**30**
Production and use of organic inputs	1	15	2	17	1	0	1	**16**	**2**	**18**
Integrated Crop Management	1	24	0	24	0	0	0	**24**	**0**	**24**
Any other (pl.specify)-Precision farming	2	35	5	40	3	1	4	**38**	**6**	**44**
Drudgery reduction	1	17	0	17	13	0	13	**30**	**0**	**30**
Soil testing procedures for field crops	1	20	3	23	2	1	3	**22**	**4**	**26**
Value addition	1	20	6	26	0	0	0	**20**	**6**	**26**
Renewable energy sources	1	20	6	26	0	0	0	**20**	**6**	**26**
Problem Soil management	1	24	0	24	0	0	0	**24**	**0**	**24**
Total	**10**	**192**	**22**	**214**	**32**	**2**	**34**	**224**	**24**	**248**

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	11	182	10	192	9	2	11	7	0	7
Field Visits	72	381	58	439	0	0	0	27	5	32
Exhibition	2	251	25	276	30	10	40	35	0	35
Film Show	19	375	87	462	30	20	50	61	6	67
Method Demonstrations	2	24	0	24	0	0	0	0	0	0
Group meetings	12	201	30	231	18	2	20	4	1	5
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	2578	547	3125	0	0	0	220	44	264
Advisory Services-Help line	0	386	70	456	0	0	0	51	7	58
Scientific visit to farmers field(FAS)	170	340	83	423	0	0	0	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 test campaigns	2	162	10	172	23	5	28	0	0	0
Celebration of important days-World Food Day	1	90	20	110	18	2	20	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	2	195	17	212	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
Total	**477**	**12463**	**2784**	**15247**	**230**	**166**	**396**	**953**	**136**	**1089**

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	-	450	18000.00	48
	Guava	L46 & 49	-	241	6025.00	36
Ornamental plants	Crotons	-	-	359	4878.00	66
Plantation	Coconut	T x D	-	686	27440.00	84
Forest Species	Timber	-	-	31510	259220.00	320
Total	**-**	**-**	**-**	**33246**	**315563.00**	**554**

9.C. Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	Number of farmers to whom provided
Worms	Veriworms	124	43400.00	18
Bio manures	Vermicompost	15470	61880.00	68
Total	**-**	**15594**	**105280.00**	**86**

9.D. Production of livestock materials: Nil

9.E. Others

Products	Name of the product	Quantity Kg/ Nos/ Lits.	Value (Rs.)	Number of farmers to whom provided
Mushroom	Spawn	19 Pkts	570.00	3
	Oyster mushroom	47.540 Kg	7131.00	48
Machineries	Drum seeder	5 Nos	234585.00	51
	Sugarcane detrahser	1 No	500.00	1
Value added products	Pickles	16.850 kg	2474.00	29
	Health mix	7 kg	980.00	13
Homecare products	Phenyl	24 lit	696.00	8
Total	**-**	**-**	**246936.00**	**153**

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 : 1000

(B) Literature developed/published

Item	Title	Authors name	No.
Extension literature			
Leaflets	IWM in groundnut	Mr.P.Sudharsan & V.P.Karthikeyan	500
	INM in paddy		500
	Foliar nutrition in vegetables	Mr.N.Rameshraja	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
Pamphlets	SSI in sugarcane	Mr.P.Sudharsan	500
	Direct sowing in paddy		400
	INM in snakegourd	V.P.Karthikeyan	500
	Objectives and activities of the KVK	Mrs.R.Lakshmidevi	1000
	ICM in turmeric	Mr.N.Rameshraja	500
	High density planting and disease management in banana		300
	Production technologies for hybrid chilli		500
	Bio fertilizers usage in horticultural crops		500
	Prevention and control of important diseases in live stock	Dr. G. Ganesh kumar	500
	Reproductive management in dairy cattle		500
	Preparation low cost supplementary food	Mrs. T. Margaret	500
	Drudgery reducing agricultural equipments		
	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

Booklets	Vermicompost production	Mr.P.Sudharsan	500
	Total mechanization in paddy		100
	Direct sowing in paddy		100
	Masala powders	Mrs. T. Margaret	300
Others	-	-	-
Total	-	-	**13000**

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. 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	1904	1603	328	95200.00
Water Samples	238	229	173	23800.00
Plant samples	18	18	2	1800.00
Total	**2160**	**1850**	**503**	**120800.00**

Details of samples analyzed during the 2012-13

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	314	289	61	15700.00
Water Samples	23	18	14	2300.00
Total	**337**	**307**	**75**	**18000.00**

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	456	55	8550.00	16650.00
Total mechanization in paddy	550	45	9500.00	17500.00
Alternate cropping (Maize)	160	28	7750.00	12650.00
Soil test based fertilizer application	312	42	3400.00	8100.00
Micro nutrient spray in field crops	210	27	4900.00	8250.00
Protray seedling production in brinjal	556	54	158860.00	198831.00
Foliar nutrition in banana	90	79	240000.00	360000.00
ICM in turmeric	131	61	73205.00	108012.00
INM in vegetables	698	71	267160.00	309780.00
Use of neem products in IPM	284	44	4660.00	7150.00
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	242	45	-	4350.00/acre
Value addition in field crops	180	33	1450.00	5500.00/Month
Value addition in vegetables and fruits	90	20	1400.00	5000.00/Month

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	2012-13	NABARD-Thiruvannamalai	75000.00
Soil enhancement of programme		FAI-New Delhi	80000.00

12. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No : Yes

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

Scientist attended workshops on operationalization of ATMA and given technical guidance in preparation of SREP.

Coordination activities between KVK and ATMA during 2012-13

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	Meetings	-	12	-	-
02	Training programmes	-	13	-	-

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
April 2012	2	90	8
May	4	202	15
June	4	183	11
July	5	232	16
August	4	230	22
September	3	175	14
October	3	232	18
November	2	232	2
December	4	236	15
January 2013	1	236	18
February 2013	5	237	8
March 2013	4	237	4

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

13.A. 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	
Cereals									
Paddy	02.01.13	15.04.13	0.6	ADT-45	Grains	40	17481.00	49225.00	-
Maize	07.08.12	18.11.12	0.2	Hy 900 M gold	Cobs	3959	4045.00	6697.00	-
Spices & Plantation crops									
Coconut	05.06.12	-	0.1	T X D	Seedlings	686	5219.00	27440.00	-
Fruits									
Mango	21.05.11	31.03.13	0.1	Bangalora, Banganapalli	Grafting-Nos	450	9875.00	18000.00	-
Guava	21.05.11	31.03.13	0.1	L46 & 49	Layering-Nos	241	1486.00	6025.00	-
Mango	Perennial		3.4	Bangalora, Banganapalli	Fruits	14	16793.00	35000.00	-
Guava	Perennial		0.8	L46 & 49	Fruits	15	4200.00	15000.00	-
Amla	Perennial		0.1	Krishna	Fruits	0.49	-	870.00	-
Sapota	Perennial		0.2	PKM-1	Fruits	0.13	-	195.00	-
Tamarind	Perennial		0.4	PKM-1	Fruits	0.1	-	200.00	-
Vegetables	-	-	-	-	-	-	-	-	-
Ashgourd	07.08.12	18.11.12	0.1	Mahyco-1	Fruits	1.86	939.00	1865.00	-
Amaranthus	22.07.12	18.10.12	0.1	Local	Leafy Vegetable (Bundles)	319	856.00	1595.00	-
Brinjal	24.10.12	31.03.13	0.1	Siligudi 111	Vegetable	1.86	275.00	2161.00	-
Others (specify)									
Tender coconut	Perennial		-	TxD	Tender-Nos	895	-	4701.00	-
Ornamental	26.04.11	29.03.12	0.02	All types	Cuttings-Nos	399	1885.00	4878.00	-
Tree crops	26.04.11	29.03.12	0.1	All types	Seedlings-Nos	31510	155965.00	281548.00	-

13.B. 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.	Vermicompsot	154.70	14484.00	61880.00	-
2.	Earthworms	1.24		43400.00	-

13.C. Others

Products	Name of the product	Quantity Kg/Nos/Lits.	Value (Rs.)	Number of farmers to whom provided
Mushroom	Spawn	19 Pkts	570.00	3
	Oyster mushroom	47.540 Kg	7131.00	48
Machineries	Drum seeder	5 Nos	234585.00	51
	Sugarcane detrahser	1 No	500.00	1
Value added products	Pickles	16.850 kg	2474.00	29
	Health mix	7 kg	980.00	13
Homecare products	Phenyl	24 lit	696.00	8
Total	**-**	**-**	**246936.00**	**153**

13.D. 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 2012	-	-	-
May 2012	-	-	-
June 2012	1	15	-
July 2012	110	6	-
August 2012	18	2	-
September 2012	70	6	-
October 2012	35	2	-
November 2012	30	2	-
December 2012	15	1	-
January 2013	26	2	-
February 2013	24	2	-
March 2013	-	-	-

13.E. 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.P.Sudharsan	SMS (Agronomy)	Training on Organic farming and organic certification	Regional Centre of Organic Farming at Mangala Raitha Bhavan, UAS, Bangalore	10.09.2012 to 14.09.2012
Mr.N.Rameshraja	SMS (Horticulture)	Training on Administrative and Accounting procedures for KVK	KVK Coimbatore, organized by ZPD , Bangalore.	07.01.2013-08.01.2013
Mr.O.Sekar	PA (Computer programmer)			
Mr.N.Rameshraja	SMS (Horticulture)	Capacity Programme on Commodity Futures Market	TNAU, Coimbatore.	19.03.2013 to 20.03.2013
Mr.V.P.Karthikeyan	SMS (Soil science)	Training on Efficient use of locally available natural resources	TNAU, Coimbatore	21.03.2013

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

15.1. Details of Workshop/Meetings/Conference attended by KVK staff during 2012-13

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Mr.N.Rameshraja	SMS (Horticulture)	National Conference on KVK	Punjab Agricultural University, Ludhiana	20.11.2012 to 22.11.2012
Mr.S.Murugesan	Lab technician	Seminar on contract farming of matchwood	FC & RI, Mettupalayam organized by FC & RI and VASAN matchworks, Gudiyatam	07.01.2013
		Workshop on Management of plastics for environmental conservation.	FC & RI, Mettupalayam, Organized by FC & RI and Department of Environment, Chennai.	28.01.2013
Mr.V.P.Karthikeyan	SMS (Soil science)	Scientific workers conference	At TNAU, organized by TNAU, Coimbatore.	28.02.2013 to 02.03.2013

15.2 Farmer Field School

Thematic area	Crop	Technology demonstrated	Village	Period		Participants		
				From	To	Male	Female	Total
ICM	Groundnut	Integrated crop management	Mottur	08.11.12	07.02.13	25	0	25