



# ACTION PLAN 2017-18

*Presented at  
Action Plan Meeting  
16- 18, March, 2017  
KVK, Namaldea.*

*Submitted to  
The Director  
ATARI, Bengaluru*

By  
Indian Council of Agricultural Research  
**Krishi Vigyan Kendra**  
Coimbatore

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## 1. General Information about the Krishi Vigyan Kendra

- 1.1 Name and address of KVK with Phone, Fax , e-mail and web address : ICAR - Krishi Vigyan Kendra,  
Vivekanandapuram – 641 113,  
Karamadai Block, Coimbatore District.  
TamilNadu.  
Phone : (04254) 284 223, 294 325  
FAX : (04254) 284 820  
Whatsapp : 8903261500  
Email : kvkcbe.icar@gov.in, sakvk.cbe@rediffmail.com  
avinashilingamkvk@gmail.com  
URL : www.avinashilingamkvk.org  
Facebook : Krishi Vigyan Kendra Coimbatore
- 1.2 Name and address of host organization with Phone, Fax and e-mail : Sri Avinashilingam Educational Trust,  
Saradhalaya, Bharathi Park Road,  
Coimbatore – 641 043. TamilNadu.  
Phone : (0422) 2440 241  
Fax : (0422) 2438 786  
e-mail: trust\_off@yahoo.co.in
- 1.3 Year of sanction : 1979
- 1.4 Website address of KVK : www.avinashilingamkvk.org

## 2. Details of staff as on date 01.03.2017

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	Existing Pay band	Grade Pay	Date of joining	Permanent / Temporary
2.1	Senior Scientist and Head	Dr.P.Kumaravadivelu	Plant Protection	37400-67000	9000	09.11.2012	Permanent
2.1	Subject Matter Specialist	N. Suganthi	Soil Science	15600-39100	5400	02.01.2006	-- do --
2.3	Subject Matter Specialist	P.Gomathi	Home Science	15600-39100	5400	19.11.2007	-- do --
2.4	Subject Matter Specialist	S.Sureshkumar	Agronomy	15600-39100	5400	08.09.2010	-- do --
2.5	Subject Matter Specialist	M.Sagadevan	Horticulture	15600-39100	5400	09.09.2010	-- do --
2.6	Subject Matter Specialist	C. Raju	Animal Science (PA)	9300-34800	4200	01.09.1979	-- do --
2.7	Subject Matter Specialist	P. Nagaraj	Agrl. Engg (PA)	9300-34800	4200	17.12.1982	-- do --
2.8	Programme Assistant	R. Banumathi	Lab Technician	9300-34800	4200	24.06.1987	-- do --
2.9	Computer Programmer	D. Ravindran	Computer	9300-34800	4200	01.08.1992	-- do --
2.10	Farm Manager	V.Muthukumar	Farm Manager	9300-34800	4200	17.07.1988	-- do --
2.11	Accountant/Superintendent	V.Palaniswamy	-	9300-34800	4200	16.04.2012	-- do --
2.12	Stenographer	R. Jayaraman	-	5200-20200	2400	01.09.1979	-- do --
2.13	Driver 1	L. Premkumar	-	5200-20200	2000	01.07.2002	-- do --
2.14	Driver 2	D.Samuvel Johnson	-	5200-20200	2000	04.10.2010	-- do --
2.15	Supporting staff 1	N. Veerasamy	-	5200-20200	1800	01.08.2009	-- do --
2.16	Supporting staff 2	Vacant	-	5200-20200	1800	-	-

### 3. Details of last SAC meeting and Action Taken Report:

Date : 06.10.2015

No of Participants : 25

Sl No	Recommendation	Action Taken
1	Dr. Philip, Director of Extension Education, Tamil Nadu Agricultural University, Coimbatore	
	KVK can utilize mass media for popularizing and disseminating the new technologies.	KVK Scientists are regularly giving radio talks on new agriculture and allied enterprises. So for 4 radio talks were given in AIR, Coimbatore. In collaboration with Pothigai TV three programmes were organized for dissemination of new technology.
	Soil awareness campaign can be increased.	12 campaigns were organized and soil test based advisory was given to the farmers
	Conduct a study on technology spread of Integrated Farming System including cost of cultivation.	Data collection and compilation of data work is in progress in collaboration with DRDA, Coimbatore
	Bankers may be involved in KVK training programmes	During most of the training programme bankers are involved, through this process KVK has facilitated 145 farmers availing loan for dairy animals
	Create a market out let for KVK developed products at Coimbatore city.	Efforts are taken. Mobile marketing van is operation
2	Dr. C.V. Sairam, Principal Scientist (Agricultural Economics), Zone – VIII, ICAR – Agricultural Technology Applicable Research Institute (ATARI), Bangalore – 560 024.	
	KVK can promote more IFS model in maximum number of blocks	KVK has taken necessary steps for establishing more IFS models in collaboration with DRDA, Coimbatore. Besides 11 farmers are given support.
3	Dr. D.V. Srinivasa Reddy, Principal Scientist (Agronomy), Zone – VIII, IAR – Agricultural Technology Applicable Research Institute (ATARI), Bangalore – 560 024.	
	Promote eco-friendly vegetable production.	Created awareness among farmers about eco friendly vegetable production through Perimetro project. Products are being marketed by the farmers clubs are facilitated by KVK
	The Kendra may follow Namakkal model for custom hiring.	Efforts are taken
4	Mr. A. Ramakrishnan, Deputy Director of Horticulture, Coimbatore	
	KVK can motivate protected cultivation.	KVK has scheduled for training programme and further proceeding.
	Promote organic vegetable production and	In Perimetro project the Kendra is advising the farmers

	utilizing bio-agents and bio-fertilizers application.	group to cultivate ecofriendly vegetables and motivating them to go for marketing. Bio products are being prescribed for use.
5	Mr. S. Sankaran, Executive Engineer, Agricultural Engineering Department, Coimbatore	
	Promote farm mechanization by utilizing improved equipment and implements through agricultural engineering department.	Trainings and method demonstration were conducted in collaboration of TNAU and state department of Agri engineering. The Kendra motivated farmers clubs to purchase Mini tractor, power tiller, Hi-tech sprayer, battery sprayers and motorized earth augur under Govt subsidy programmes.
	KVK can motivate farmers groups to utilize custom hiring.	Efforts are being taken
	Model farm ponds and water harvesting structure can be developed in the KVK campus.	The proposal for Rain water harvesting structure to be created in KVK farm was prepared and sent for approval of ICAR.
	Kvk can motivate the farmers to utilize millet processing equipment's.	KVK has taken effort on millet processing. Two enter pruners were developed on millet processing
6	Dr. T. Tamilselvan, Regional Joint Director of Animal Husbandry, Department of Animal Husbandry, Coimbatore.	
	Animal husbandry activities can be strengthened.	KVK has taken necessary and constant steps for strengthening Animal husbandry activities. In the year 2015-16 KVK established poultry unit. Three breeds such as Gramapriya, Vanaraja and Namakkal 1 birds were reared and quality eggs, chicks were produced and supplied to the farmers For supporting this, An integrated Animal House was established. Quality seed and planting materials are produced at KVK farm and demonstrated in farmers fields.
	KVK can promote stall fed goaterly for small and marginal farmers.	Last year KVK imparted six training programme on stall fed goaterly, KVK has already established stall fed unit suited for small and marginal farmers. More over 63 farmers were directly handled to educate them to organize stall fed goat rearing.
7	Dr. R. Perumalsamy, Specialist (Animal Health), Office of the Regional Joint Director of Animal Husbandry, Department of Animal Husbandry, Coimbatore.	
	KVK can motivate department schemes for promoting backyard poultry.	Through ATMA programme KVK has already given five training programmes on back yard poultry promotion. Several such programmes are being organized.

8	S. Rajasri, Assistant Director of Horticulture, Karamadai	
	KVK could motivate farmers for seed production of new groundnut varieties	Last year KVK conducted OFT programme on Groundnut ,based on the outcome of the result this year KVK has proposed FLD programme with seed production mode in Ground variety Co 6.
	Importance to be given for solar drier for copra drying.	KVK has planned for training programme as well as to avail the existing facilities with same farmers and institutions.
9	Dr. K. Sivakumar, Associate Professor and Head, Veterinary University Training and Research Centre, Coimbatore	
	Mass awareness can be done for mastitis.	Necessary action will be taken in collaboration with Dept. Animal husbandry and UTRC, Saravanampatti.
	KVK can encourage direct marketing for milk, meat and poultry	Necessary action will be taken in collaboration with Dept. Animal husbandry and UTRC, Saravanampatti.
	Azolla is a sensitive crop duplicate plot can be encouraged.	We insist duplicate plot establishment during training programme and demonstration of establishing Azolla in collaboration with department of Animal husbandry. Last year the KVK has established 300 Azolla units.
	Fodder production area at block level can be studied.	It is scheduled for data collection at block level.
	Motivate sprinkler and drip irrigation for producing fodder crops.	KVK has proposed ICM in CO 4(CN) in FLD programmes by including drip irrigation as one of the technology.
	KVK can encourage harvested bengalgram waste as cattle feed.	KVK has proposed training programme on alternate feed management in cattle in SS Kulam block of Coimbatore district
10	Mr.A.R. Kaliappan, Progressive Farmer, Allapalayam, Annur (via), Coimbatore District;.	
	KVK can select one village and give all the technologies to all the farmers.	KVK has proposed to implement 5 cluster village through out the district.
11	M. Mahalingam, Annam Producers Company Limited, Pollachi	
	Efforts can be taken for coconut wilt management	This year KVK proposed FFS on ICM in coconut in Pollachi north block.
	More Off campus trainings can be organized for value addition of fruits and vegetables	KVK planned for organizing more of off campus training programme, processing and value addition Perimetro areas
	Promote coconut harvesting tools in large scale	KVK has proposed mechanical harvesting of coconut in large scale in action plan .
12	Dr. K. Sankaranarayanan, Principal Scientist, ICAR – Central Institute for Cotton Research, Coimbatore.	
	KVK can promote on ELS cotton production.	Efforts are being taken
13	Mr. M. Krishnamurthy, Progressive Farmer, Pannimadai, Coimbatore District.	
	Awareness can be created for equipment's / implements demonstration at block level.	KVK proposed to demonstrate implements like, Sorghum seed drill & harvester, Bengalgram seed drill, tamarind de seeder and groundnut stripper

14	Mr. T. Arumuganathan, Senior Scientist (Farm Machinery & Power), ICAR – Sugarcane Breeding Institute, Coimbatore.	
	Awareness on usefulness of Chisel plough can be done at village level.	KVK has demonstrated importance of Chisel plough in rainfed cotton cultivation.
	KVK can motivate bud ship method for sugarcane farmers.	This year KVK planned for training for bud chip method and raising of portray seedling in sugarcane by involving rural youth.
15	Mr. Nandakumar, Progressive Farmer, T.G. Pudur, Karamadai block, Coimbatore District.	
	KVK can create organic farming association	Encouraging farmer to farm organic vegetable producers association. It is also proposed to support Pusumai Peroyam organic farming farmers group to farm a producers company.
16	Mr. Shanmugham, Progressive Farmer, Oomapalayam, Mettupalayam taluk, Coimbatore District.	
	KVK can motivate the farmers to utilize department benefits.	Motivating the farmers to utilize the department benefits through training programmes farmers club and farmers interest group meetings. In all IFS Model units department benefits have been utilized to strengthen their components.
	Motivate custom hiring center at village level.	Efforts are being taken
17	Dr. T.Senthilkumar, Senior Scientist, ICAR – Central Institute of Agricultural Engineering, Regional Centre, SBI (post), Coimbatore.	
	KVK can support millet processing for entrepreneurs	KVK has already identified AMMA PANNAI MAHALIER GROUP at Idikarai village in SS Kulam block for processing and marketing of millets. Trainings are already given and further business model is propose to be operated.

#### 4. Capacity Building of KVK Staff

##### 4.1 Plan of Human Resource Development of KVK personnel during 2017-18

S. No	New area of training	Institution proposed to attend	Justification
4.1.1	On farm production of bio inputs	NIPHM, Hyderabad	For sustainable soil fertility management
4.1.2	Food processing	IICPT, Tanjore	Recent trends in food processing can be learned and used for our programmes.
4.1.3	Maintenance of Agricultural Meteorological observatory & rainfall analysis for better crop production	TNAU, Coimbatore	Crop planning and pest/disease management planning will be possible
4.1.4	Latest production technology	IIHR, Bangalore	To popularize and to educate the farmers on recent production technologies in vegetables
4.1.5	Livestock management	TANUVAS, Chennai	Recent technologies in livestock can be adopted
4.1.6	Farm machineries	CIAE , Bhopal & CRIDA, Hyderabad	Involving rural youth and progressive farmers for adopting the mechanization in crop production



#### 4.2. Cross-learning across KVKs during 2017-18

S. No	Name of the KVK proposed	Specific learning areas
4.2.1	Within Ring –	
	The Nilgiris	Group dynamic approaches
	Erode	Community management resource centre
	Theni	Hi- tech banana cultivation and producer company
4.2.2	Within the zone -	
	Mysore	Seed Production
	Bangalore	Integrated farming system
	Pathanamtitta	Secondary agriculture
4.2.3	Outside zone -	
	Ahamad Nagar	ICT in Agriculture

#### 5. Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing Knowledge / Expertise, Resources and activities during 2017-18

S.No	Name of the KVKs included in the cluster	What do you intend to share with Cluster KVKs	What do you expect from Cluster KVKs
1	Namakkal	Knowledge and inputs	Livestock management
2	Erode	Knowledge and inputs	Community management resource centre
3	Dharmapuri	Knowledge and inputs	Precision farming
4	Trichy	Knowledge and inputs	Mini Paddy harvester

### 6. Operational areas details proposed during 2017-18

S.No.	Names of Cluster Villages identified for intervention	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Availability of Technologies and the Sources	Nature /mode of intervention
6.1	Mathampatti	Turmeric	low yield due to drought, Pest and disease incidences	ICM in Turmeric (TNAU)	FFS& FLD, Training and Method demonstration
6.2	Mathampatti	Onion	Drought, Poor soil amendments, Pest and Diseases	Demonstrating Integrated Pest and Disease management in Onion var.Co-5(IIHR)	FLD, Training, Method demonstration and Field day
6.3	Mathampatti	Onion	Post harvest loss of Onion due to surplus production and lack of Onion processing technologies at farm level	Drought, Poor soil amendments, Pest and Diseases (TNAU)	FLD, Training, Method demonstration
6.4	Mathampatti	Fodder	Lack of fodder availability	Cultivation of fodder grass-CO-31 varieties (TNAU)	FLD, Training, Method demonstration and Field day
6.5	R.M.Pudur	Paddy	low yield due to Pest and disease incidences	IPDM in Paddy (TNAU)	FLD, Training, Method demonstration and Field day
6.6	R.M.Pudur	Paddy	Drudgery during weeding operation	Assessment of drudgery reduction of different weeders in paddy (TNAU) (KVK Karur)	OFT, Training, Method demonstration and Field day
6.7	Periyapodhu	Gourds	Indiscriminate use of fertilizers and pesticides, Fruit fly and virus infestation	Integrated Pest and disease management in Snakegourd (IIHR)	FLD, Training, Method demonstration and Field day
6.8	Sulakal	Groundnut	Labour scarcity for sowing	Demonstration of TD seed drill in Groundnut for yield and profit (TNAU)	FLD, Training, Method demonstration and Field day
6.9	Sullakal	Coconut	low yield due to drought, Pest and disease incidences	Demonstrating Integrated soil and water conservation and fertility management in	FLD, Training and Method demonstration

				Coconut (TNAU) (CPCRI)	
6.11	Sulakal	Dairy	High feed cost and poor feeding practices.	Demonstrating feed supplementation with yeast culture in dairy cows	FLD, Training, Method demonstration and Field day
6.12	Nanjundapuram	Banana	Labour scarcity during planting, Low yield due to micronutrient deficiency, Pest and disease incidences	Demonstrating IPDM in Banana (NRCB)(IIHR)	FLD, Training, Method demonstration and Field day
6.13	Nanjundapuram	Jasmine	Poor nutrient management, Pest and diseases and drought	Integrated nutrient management in Jasmine Var.CO-2 (TNAU)	FLD, Training, Method demonstration and Field day
6.14	Bilichi	Curry leaf	Low yield due to nutrient deficiency, Pest and disease incidences	Demonstrating organic cultivation in Curry leaf (TNAU) (NIPHM)	FLD, Training, Method demonstration and Field day
6.15	Nanjundapuram	Dairy	Infertility in animals	Popularization of Progesterone sponge in managing reproductive failure in dairy cattle(TANUVAS)	FLD, Training, Method demonstration and Field day
6.16	Nanjundapuram	Milk	Low shelf life of Paneer and Lack variety in paneer	Demonstration of extension of shelf life of paneer using herbs and spice (HSC&RI)	FLD, Training, Method demonstration
6.17	Idikarai	Bengal gram	Use of low yielding varietyand Pest and disease incident.	Assessing the performance of Bengalgram varieties (TNAU)(PDKV) (JNKVV) UAS)	OFT, Training and Method demonstration
6.18	Idikarai	Bengal gram	Labour scarcity for sowing	Demonstration of Tractor Drawn seed Drill in Bengalgram (TNAU)	FLD, Training and Method demonstration
6.19	Idikarai	Traditional rice variety	Under utilization of traditional rice variety	Assessment of Glycemic index of traditional paddy varieties	OFT, Training and Method demonstration

6.20	Sambaravalli	Coriander	More application of nitrogenous fertilizers, Iron deficiency, Root rot incidences and price fluctuation	Introduction of Coriander Var: COCR-4, Nutrient management and Direct marketing(TNAU)	FLD, Training, Method demonstration and Field day
6.21	Sambaravalli	Moringa	Widespread prevalence of anaemia among women.Lack of knowledge on preparation of iron rich convenience foods	Demonstration of production of dehydrated moringa and their products as entrepreneurial activity (TNAU)	FLD, Training, Method demonstration

7. Technology Assessment during 2017-18

S · N o	Crop / Enterpr ise	State assessmen t	Technology to be assessed	No. of trials	Technology Options					Total budget (Rs.)	Parameters to be recorded
					1	2	3	4	5		
1	Bengal gram	Assessment	Assessing the performance of Benglagram varieties	5	Variety – Co 4	Variety-JAKI-9218 Seed <i>Rhizobium</i> <i>Phosphobacteria</i> <i>T.viride</i> Total	Variety – JG 14 Seed <i>Rhizobium</i> <i>Phosphobacteria</i> <i>T.viride</i> Total	Variety – GBM-2 Seed <i>Rhizobium</i> <i>Phosphobacteri</i> <i>a</i> <i>T.viride</i> Total	-	32000.00	1.Germination percentage 2.Number pods / plant 3.Yield 4. BC ratio
Field board									1250.00		
Total									33250.00		
2	Milch animal	Assessment	Assessing the performance of different preventive measures for subclinical Mastitis in milch animals	10	Traditional Herbal practice	Teat dip – herbal  Herbal teat dip EVM Potassium permanganate	Use of <u>mastiguard</u> in preventing mastitis (A combined mastitis screening & teat protection package by TANUVAS ) Potassium permanganate  Mastiguard kit SCC kit for 6 reactions @ Rs 250	-	-	24500.00	Detection of somatic cell count Detection of incidence of mastitis Estimation of economic benefit

										Field board	1250.00	
										Total	25750.00	
3	Glycemic index - Paddy	Assessment	Assessment of glycemic index of traditional paddy varieties	10	Milled rice	Kullakara Rice	Mappilla samba rice	-	-	12000.00	Consumer preference test, sensory evaluation, pre and post prandial blood glucose level, recovery of flakes , BCR	
4	Drudgery reduction - paddy	Assessment	Assessment for drudgery reduction of different weeders in paddy	20	Manual weeding	Rotary star weeder for wet land Wet land weeder	Modified cono weeder (Farmer Innovation) Validated by KVK, Karur Modified cono weeder	-	-	17600.00	Heart rate, energy expenditure, grip strength, area of weeding, time taken	
										Field board	1250.00	
										Total	18850.00	
										GRAND TOTAL	89850.00	

## 8. Front Line Demonstrations during 2017-18

S.No	Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo	No. of Demos	Total cost for the Demo (Rs.)	Parameters to be studied	Team members
1	Crop	Paddy	-Existing of old variety -Incidence of stem borer and leaf folder -Incidence of blast and Sheath blight	Seed treatment Foliar application of bio agent Foliar application of Neem oil Release of Tricho cards	Variety	ADT 51	TNAU, 2013 Coimbatore	Seed <i>Azospitillum</i> <i>Phosphobacteria</i> <i>P.Florescens</i> <i>T.Japanicum</i> <i>T.Chilonis</i> Field board Total	3 Kg 1 Kg 1 kg 3 lts 5cc 5cc 1 no	75.00 50.00 50.00 900.00 500.00 500.00 250.00	10	23250.00	Plant population/m <sup>2</sup> Incidence of stem borer, leaf folder, blast and Sheath blight Number of tillers /hill Yield (Q/Ha) BC ratio	SMS (Agronomy) and PC
2	Horticultural crops	Curry leaf	-Poor soil fertility- Low OM -Pest & disease incidences	Soil application of biofertilizers and bio agents, Biological control of Psyllid, leaf folder and leaf spot, Ecological engineering	Variety	Sengammbu	TNAU, Coimbatore	<i>Azophos</i> <i>P.Fluorescens</i> <i>Trichogramma</i> cards <i>Neem soap</i> <i>Flower crop seeds and seedlings</i> <i>Field Board</i> Total	2 Kg 2 kg 8 cc 2 kg 3 kg 1 No	100.00 200.00 800.00 1000.00 300.00 250.00	10	26500.00	OM content Sucking pest infestation (%) Leaf spot incidence /m <sup>2</sup> Green Leaf Yield (Kg/ha) BC Ratio	SMS (soil science) and PC

3	Horticultural crops	Jasmine	-Nutrient deficiency -Poor soil amendments -Pest & disease incidences	Soil test based fertilizer recommendation, soil application of bio fertilizers, Foliar application of micronutrients	Variety	Co 2	TNAU, Coimbatore	Azophos VAM Micro nutrient Field board <i>Total</i>	4 Kg 10 Kg 8 kg 1 No.	200.00 500.00 1280.00 250.00 2230.00	10	22300.00	Bud worm infestation (%) Leaf spot incidence /m <sup>2</sup> Flower Yield (Kg/ha) BCR	SMS (soil science) and PC
4	Horticultural crops	Coriander	-Less consumer preference for hybrids -Nutrient deficiency -Root rot incidences -Price fluctuation	Introduction of COCR-4, Shade net cultivation, Nutrient management, Post harvest management and Packing & Marketing	Variety	COCR-4	TNAU, Coimbatore	Seed (COCR-4) <i>Trichoderma sp.</i> Pseudomonas fluorescens Field board <i>Total</i>	1Kg 1Kg 1 kg 1 No.	125.00 100.00 100.00 250.00 575.00	10	5750.00	Germination % Root rot incidences/m <sup>2</sup> Powdery mildew incidences/m <sup>2</sup> Green Leaf Yield (Kg/ha) BCR	SMS (soil science) and PC



5	Horticultural crops	Banana	-Weevil incidences - Micronutrient deficiency -Wilt incidences	NPK application 150:90:300g NPK/ plant/year Pseudomonas 2.5 Kg or (250 ml) / ha. & Neem cake @ 250 kg/Ha or 2 %Carbendazim for wilt management Paecilomyces @ 2.5kg/ac for Nematode mgt. Beuvericide 40 traps / ac and Pseudostem injection for weevil mgt. Arka Banana special 5g /lit water for nutrient and disease management	Variety	Nendiran	NRCB-2010 and IIHR-2008	<i>Pseudomonas fluorescens</i> (liquid) Arka Banana special Beaviricide Field board Total	1Lit 6 kg 500 ml 1No	300.00 960.00 600.00 250.00 2110.00	10	21100.00	No. of weevils attacks /plant Wilt incidences/m <sup>2</sup> Bunch weight (kg) Yield (Q/Ha) BC Ratio	SMS (Hort.) & PC
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6	Horticultural crops	Snake gourd	-Virus incidence -Fruit fly incidence	Soil application of neem cake – 250 kg/ha. Nutrient management 1000 g of NPK6:12:12 mixture/pit and 10g N/pit DAP Vegetable special Spray @ 0.1 % Spraying of Ethrel @ 100 ppm. Fruit fly traps 12 / ha for Fruit fly mgt. Yellow sticky trap 12 / ha for white fly mgt. Neem soap 5g / lit water (white fly mgt)	Variety	Pappampatty	IHR-2014	Fruit fly trap	4 nos	400.00	10	12500.00	No .of picking No. of fruit fly attacks /m <sup>2</sup> White fly incidences Virus incidences/ m <sup>2</sup> Yield (Q/Ha) BCR	SMS (Hort.) & PC
								Neem oil	1 Lit	500.00				
								Field board	1 no	250.00				
								Total		1250.00				

7	Horticultural crops	Onion	-Purple blotch incidence -Thrips incidence	Nutrient management 30:60:30 Kg NPK / ha. and 30 kg N as top dressing -30 DAS Purple Blotch controlled by Pseudomonas 2ml / lit Thrips controlled by Blue sticky trap 12 / ha and Neem soap 5g / lit water (Thrips initial stage ) or 1 ml/lit dimethoate	Variety	Co 5	IIHR-2014	<i>Pseudomonas fluorescens</i> (liquid) Blue sticky trap IIHR Neem soap Field board Total	1 Lit 4 nos 1 Lit 1 no	300.00 200.00 500.00 250.00 1250.00	10	12500.00	Leaf blotch incidence/ m <sup>2</sup> Thrips incidence/ m <sup>2</sup> Yield (Q/Ha) BC Ratio	SMS (HORT.) & PC
8	Horticultural crops	Coconut	Micronutrient deficiency -Soil moisture loss -Wilt incidences	Azophos @ 25g /Tree VAM @ 200 g /Tree Soil moisture conservation using Husk - mulching ( 100 / palm ) 1300g urea +2000 g ssp + 3500g MOP/tree/yr Coconut tonic 200ml per tree	Variety	Tall	TNAU-2010	Coconut Tonic VAM TNAU-Azophos Field board Total	5 lit 14 kg 5 kg 1 no	1250.00 700.00 500.00 250.00 2700.00	10	27000.00	No .of Harvest Wilt incidences OM content Yield (Nuts /Ha) BC Ratio	SMS (Hort.) & SMS (Soil science)

9	Horticultural crops	Turmeric	-Long duration -Less curcumine content	Demonstration of Pragati variety Rhizome rot mgt by rhizome treatment <i>T. harzianum</i> @ 10 Kg/ ha 25:60:18 kg NPK/Ha as Basal & 25:18 NK Top dressing in 30,60,90,120 and 150 DAP For Thrips control by spraying of Dimethoate 2 ml / lit For Shoot borer control by spraying of Malathion 1ml / lit Pseudomonas 5g / lit water for leaf spot mgt. ( or Mancozeb 1 Kg / ha. )	Variety Pragati	IISR-2016	Seed Rhizome	50 kg	1500.00	10	19500.00	No. of shoot borer attacks /m <sup>2</sup> Leaf spot incidences/ m <sup>2</sup> Yield Curcumine content (%) BCR	SMS (HORT.) & PC
							IISR	2 kg	200.00				
							micronutrient	1 no	250.00				
							Field board		1950.00				
							Total						

10	Fodder	Dairy farming	Shattering of seeds -Improper green fodder ratio	Demonstration of CO 31 multicut fodder sorghum	Variety	Co-31	TNAU-2013	Seed Field board Total	1 kg 1 no Total	500.000 250.00 750.00	10	7500.00	Height of the plant No. of tillers /plant Biomass yield Seed yield kg/ha	SMS(Agronomy)P A (Animal)
11	Dairy	Milk production	Indigestion -Diarrhea -Poor absorption of nutrients -Lowered productivity	Demonstrating feed supplementation with yeast culture in dairy cows	-	-	TANUVAS	Yeast culture Field board Total	300 g 1 No Total	450.00 250.00 700.00	10	7000.00	Milk Yield Milk Quality Fat & SNF Content BC ratio	PA (Animal Science)
12	Dairy	Dairy	-Improper heat detection -Existence of silent breeder -Improper insemination timings Reproductive failure	Popularization of Progesterone sponge for managing reproductive failure in dairy cattle	-	-	TANUVAS 2016	Progesterone sponge Field board Total	1 kit 1 No. Total	350.00 250.00 600.00	10	6000.00	Pregnancy % BC ratio	PA (Animal Science)
13	Mechanization	Groundnut	-Labour scarcity in peak season -Low labour output -Unaware of mechanical source	Demonstration on farm Mechanization in Groundnut production and Profit	-	-	TNAU 2010 Coimbatore	Seed Drill (TD) (Transport Charges) Harvester(TD) (Transport Charges) Thresher (TD) (Transport Charges) Field board Total	10 10 10 2500.00 17500.00	5000.00 5000.00 5000.00 2500.00 17500.00	10	17500.00	Germination percentage (%) Yield (Q/Ha) Efficiency : Ha./hr. Cost of operation: Rs./ha. BCR	PA (Agri. Egg) and SMS Agronomy
14	Mechanization	Bengal gram	- Uneven plant population -Labour	Demonstrating on Tractor	-	-	TNAU 2010 Coimbatore	Seed Drill (TD) (Transport Charges)	10	5000.00 2500.00	10	7500.00	Cost of operation: Rs./ha.	PA (Agri.)

			scarcity -High cost in convention al method	Drawn seed Drill in Bengalgram				Field board Total		7500.00			BCR	
15	Mechanizat ion	Tamarind	-Labour scarcity in peak season -Low labour output -Unaware of mechanical source	Demonstrati on of Tamarind dehuller through EDP mode in tribal village	-	-	TNAU 2016 Coimbatore	Tamarind dehuller (Transport Charges) Field board Total	10	5000.00 2500.00 7500.00	10	7500.00	Efficiency : kg./hr. Cost of operation: Rs./q. BCR	PA (Agri. Egg)
16	Value addition	Milk - Paneer	Low shelf life of paneer -Bland flavour of paneer -Lack of variety in paneer	Demonstrati on of extension of shelflife of paneer using herbs and spice	-	-	TNAU 2016	Paneer press Raw materials Branding packing labelling Total	1 -	3000.00 5000.00 8000.00	10	8000.00	Recovery of paneer, organoleptic characteristi cs and shelf life	SMS(Home Science) and Lab Technician
17	Value addition	Dehydrat ed Moringa	Widespread prevalence of anaemia among women. -Lack of knowledge on preparation of iron rich convenience foods	Demonstrati on of production of dehydrated moringa and their products as entrepreneu rial activity	-	-	TNAU 2014	Raw materials Branding packing labelling Total	- -	5000.00 5000.00 10000.00	10	10000.00	Time for dehydration, recovery, organoleptic properties, BCR	SMS(Home Science) and Lab Technician

18	Value addition	Onion dehydration	Post harvest loss of Onion due to surplus production and lack of Onion processing technologies at farm level	Demonstration of Onion dehydration techniques	-	-	TNAU 2012	Cabinet drier Raw materials Branding packing labelling Total	- - - - -	30000.00 5000.00 - - 35000.00	10	35000.00	Dehydration ratio, time of dehydration, Consumer acceptability, shelf life studies, BC ratio	SMS (Home Science) and Lab
											<b>Total</b>	<b>276400.00</b>		
*In FLD-1 as we are demonstrating (introducing) the seed is also included as critical input														
*Home science interventions were included based on the finalization made during the 3 <sup>rd</sup> day of action plan meeting.														

09. Training for Farmers/ Farm Women during 2017-18

S.No.	Thematic area	Crop / Enterprise	Major problem	Linked field intervention	Training Course Title	No. of Courses	Expected No. of participants	Names of the team members involved
9.1	Crop Production							
a		Bengalgram	D4rought Management	OFT	Importance of Seed treatment	1	23	SMS (Agronomy)
b		Bengalgram	Pest and Diseases	OFT	Pest and Disease management	2	21	SMS (Agronomy)
c		Small millets	Poor nutrient management	FLD	ICM in Kuthirai vali	1	18	SMS (Agronomy)
d		Fodder	Poor quality of fodder	FLD	Improved agronomic practices in fodder production	1	21	SMS (Agronomy)
e		Pulses	Nutrient deficiency in Pulses	FLD	Role and importance of micronutrient foliar spray	1	18	SMS (Agronomy)
f		Bengalgram	Pod borer infestation	FLD	IPM in Rainfed Bengalgram	1	18	SMS (Agronomy)
g		Bengalgram	Dry root rot and leaf spot	FLD	Importance of seed treatment with bio-agents and bio-fertilizer	2	16	SMS (Agronomy)
h		Groundnut	Poor pod filling	FLD	Importance and timely application of gypsum	2	17	SMS (Agronomy)
i		Groundnut	Poor pod filling	FLD	Foliar application of micro nutrients	1	16	SMS (Agronomy)
9.2	Horticulture Production							
a		Tomato	Seed borne diseases	FLD	Seed treatment with bio agents for exchanging productivity	1	15	SMS (Horticulture)
b		Tomato	Weed infestation	FLD	Integrated weed management in Tomato	1	20	SMS (Horticulture)
c		Brinjal	Poor seedling growth	-	Nursery techniques for quality seedling production	1	15	SMS (Horticulture)
d		Snake gourd	Seed borne diseases	FLD	Seed treatment with bio agents for exchanging productivity	1	25	SMS (Horticulture)



e		Snake gourd	Less no. of female flower	FLD	Importance of foliar application of growth regulators	1	25	SMS (Horticulture)
f		Coriander	Seed borne diseases	FLD	Seed treatment with bio agents for exchanging productivity	1	15	SMS (Horticulture)
g		Chilies	Flower drop	-	Importance of PGBR in Chilies	1	15	SMS (Horticulture)
h		Banana	Water scarcity	FLD	Importance of PGBR in Banana cultivation	1	15	SMS (Horticulture)
i		Banana	Weed infestation	FLD	Importance of intercrops in young Banana cultivation	1	20	SMS (Horticulture)
j		Coconut	Micronutrient deficiency	FFS	Role of micronutrient in Coconut production	1	20	SMS (Horticulture)
k		Turmeric	Water scarcity	FLD	Importance of PGBR in Turmeric cultivation	1	15	SMS (Horticulture)
l		Turmeric	Weed infestation	FLD	Importance of intercrops in young Turmeric cultivation	1	20	SMS (Horticulture)
m		Turmeric	Micronutrient deficiency	FFS	Role of micronutrient in Turmeric production	1	20	SMS (Horticulture)
n		Arecanut	Micronutrient deficiency	-	Role of micronutrient in Coconut production	1	20	SMS (Horticulture)
O		Arecanut	Water scarcity	FLD	Importance of PGBR in Arecanut cultivation	1	15	SMS (Horticulture)
p		Cauliflower	Seed borne diseases	FLD	Seed treatment with bio agents for exchanging productivity	1	25	SMS (Horticulture)
9.3	Livestock Production							
a		Goat farming	Worm burden and mineral deficiency	-	Importance of Anthelmintic mineral block	2	30	PA (Animal Science)
b		Dairy farming	Mastitis, FMD incidence	-	Importance of Ethno Veterinary medicine	1	15	PA (Animal Science)
c		Japanese qual farming	Occurrence of disease	FLD	Importance of vaccine	2	20	PA (Animal Science)& Professor and Head, TANVUAS

d		Dairy farming	Fodder scarcity	FLD	Importance of fodder (Co-31) production	3	40	PA (Animal Science)
e		Dairy farming	High feed cost	FLD	Importance of grand supplement	2	30	PA (Animal Science)
f		Goat farming	Labour scarcity	-	Importance of stall –fed Goat rearing	2	30	PA (Animal Science)
g		Dairy farming	Mineral deficiency	FLD	Importance of mineral mixture	2	30	PA (Animal Science)
9.4	Home Science							
a		Micro-nutrients	Iron deficiency	-	Role of micro-nutrients in human diet	2	40	SMS (H. Science) & Lab. Technician
b		Micro-nutrients	Iron deficiency	-	Value added products from millets	2	40	SMS (H. Science) & Lab. Technician
c		Backyard poultry	Nutritional security	-	Nutritional security and income generation through backyard poultry	2	30	SMS (H. Science) & Lab. Technician
d		Nutrition garden	Nutritional security	-	Importance of nutrition garden	2	40	SMS (H. Science) & Lab. Technician
e		Drinking Water	Water borne diseases	-	Importance of safe drinking water	1	20	SMS (H. Science) & Lab. Technician
f		Storage	Improper storage methods	-	Safety storage methods	2	40	SMS (H. Science) & Lab. Technician
g		Banana	Lack of knowledge about value addition	-	Value added products from Banana	2	30	SMS (H. Science) & Lab. Technician
h		Fruits and Vegetables	Post harvest loss	FLD	Value added products from fruits and vegetables	3	40	SMS (H. Science) & Lab. Technician
i		Milk	Lack of knowledge about value addition	FLD	Value added products from Milk	2	30	SMS (H. Science) & Lab. Technician
j		Green leafy	Lack of knowledge	FLD	Value added products from	2	40	SMS (H. Science)

		vegetables	about value addition		Green leafy vegetables			& Lab.Technician
9.5	Plant Protection							
a		Groundnut	Pest and disease	FLD	Integrated pest and disease management in Groundnut	2	16	PC & SMS (Agronomy)
b		Green gram	Pest and disease	FLD	Importance of bio-agent to enhancing Green gram productivity	1	17	PC & SMS (Agronomy)
c		Paddy	Pest and disease	FLD	Importance of seed treatment	1	16	PC & SMS (Agronomy)
d		Paddy	Pest and disease	FLD	Integrated pest and disease in Paddy	2	26	PC & SMS (Agronomy)
e		Tomato	Pest and diseases	-	Integrated pest and disease management in Tomato	1	10	PC & SMS (Horticulture)
f		Jasmine	Pest and diseases	-	Integrated pest and disease management in Jasmine	1	10	PC & SMS(Horticulture)
g		Banana	Pest and diseases	FLD	Integrated pest and disease management in Banana	1	20	PC & SMS(Horticulture)
h		Snake gourd	Pest and diseases	FLD	Integrated pest and disease management in Snakegourd	1	10	PC & SMS(Horticulture)
i		Coconut	Pest and diseases	FFS	Integrated pest and disease management in Coconut	3	45	PC & SMS(Horticulture)
j		Coriander	Pest and diseases	FLD	Integrated pest and disease management in Coriander	1	15	PC & SMS (Horticulture)
k		Chilies	Pest and diseases	FLD	Integrated pest and disease management in Chilies	1	15	PC &SMS (Horticulture)
l		Arecanut	Pest and diseases	FFS	Integrated pest and disease management in Arecanut	3	45	PC & SMS(Horticulture)
9.6	Production of Inputs at Site	-	-	-	-	-	-	-
9.7	Soil Health and Fertility							
a		All crops	Lack of knowledge about soil and water testing	OFT & FLD	Importance of soil and water testing	6	120	SMS (S. Science)
b		Jasmine	Indiscriminate use of fertilizers	FLD	Soil test based fertilizer recommendation in Jasmine	1	20	SMS (S. Science)

c		Jasmine	Unaware of micro nutrients	FLD	Role and importance of micronutrients in Jasmine	1	20	SMS (S. Science)
i		Coriander	Indiscriminate use of fertilizers	FLD	Soil test based fertilizer recommendation in Coriander	1	20	SMS (S. Science)
j		Brinjal	Indiscriminate use of fertilizers	GEN	INM in brinjal	1	20	SMS (S. Science)
k		Coconut	Indiscriminate use of fertilizers	FLD	Soil test based fertilizer recommendation in Coconut	1	20	SMS (S. Science)
l		Groundnut	Indiscriminate use of fertilizers	FLD	Soil test based fertilizer recommendation in groundnut	1	20	SMS (S. Science)
m		Curryleaf	Indiscriminate use of fertilizers	FLD	Role of micronutrients and EFM in Curryleaf cultivation	1	20	SMS (S. Science)
n		Curryleaf	Indiscriminate use of fertilizers	FLD	Ecological Engineering	1	20	SMS (S. Science)
9.8	PHT and value addition							
a		Millet	Lack of knowledge about importance of millets	-	Value addition in Millet	2	40	SMS (H. Science)& Lab. Technician
b		Tomato	Post harvest loss	FLD	Value addition in Tomato	2	30	SMS (H. Science) & Lab. Technician
c		Banana	Post harvest loss	FLD	Value addition in banana	1	15	SMS (H. Science) & Lab. Technician
9.9	Capacity Building Group Dynamics	Rural women empowerment	Women force in agriculture is unrecognized	-	EDP to rural women	2	40	SMS (H. Science) & Lab. Technician
9.10	Farm Mechanization							
a		Groundnut	Labour scarcity Cost of operation is high	FLD	Introduction of TD seed drill	2	30	PA (Agri.Engg)
b		Groundnut	Labour scarcity Cost of operation is high	FLD	Introduction of TD groundnut harvester	1	20	PA (Agri.Engg)
c		Groundnut	Labour scarcity	FLD	Introduction of manually operated groundnut	1	20	PA (Agri.Engg)

					decorticator (gender friendly)			
d		Bengal gram	Labour scarcity Cost of operation is high	FLD	Introduction of TD seed drill	2	30	PA (Agri.Engg)
e		Paddy	Labour scarcity Cost of operation is high	-	Introduction of gender friendly weeder	2	30	PA (Agri.Engg)
f		Paddy	Labour scarcity Cost of operation is high	-	Introduction of Hi-tech sprayer	1	15	PA (Agri.Engg)
g		Sorghum	Labour scarcity Cost of operation is high	FLD	Introduction of TD harvester	2	40	PA (Agri.Engg)
		Banana	Labour scarcity Cost of operation is high	-	Introduction of motorized earth auger	2	20	PA (Agri.Engg)
h		Banana	Improper water supply	-	Proper maintenance of micro-irrigation system	1	20	PA (Agri. Engg)
i		Cotton	Uncertainty of rainfall in rainfed condition	-	Introduction of power weeder in Rainfed Cotton production	2	40	PA (Agri.Engg)
j		Cotton	Labour scarcity Cost of operation is high	-	Introduction of Hi-tech sprayer	1	15	PA (Agri.Engg)
k		Brinjal	Labour scarcity	-	Introduction of high –tech sprayer	1	15	PA (Agri.Engg)
l		Bhendi	Painfull process	-	Introduction of low cost finger glove for harvesting	1	15	PA (Agri.Engg)
m		Turmeric	Labour scarcity Cost of operation is high	FLD	Introduction of TD turmeric boiler(steam based)	1	20	PA (Agri.Engg)
9.11	Mushroom production	Mushroom	Lack of knowledge about mushroom production	-	EDP Training to rural women	1	15	SMS (H. Science) & Lab. Technician
9.12	Others, pl. specify	Areca plate making	- Lack of knowledge about agri waste recycling	-	EDP Training to rural women and men	2	20	SMS (H. Science) & Lab. Technician

## 10. Training for Rural Youth during 2017-18

S.No.	Thematic area	Crop / Enterprise	Major problem	Linked field intervention	Training Course Title	No. of Courses	Expected No. of participants	Names of the team members involved
10.1	Crop Production	Mulberry	High in planting materials cost and poor germination	-	Nursery techniques in mulberry seedling production	1	20	SMS (Agronomy)
10.2 a	Horticulture Production	Vegetables	Unhealthy seedlings	-	Nursery techniques in vegetable seedling production	1	20	SMS(Horticulture)
b	Horticulture Production	Banana	Occurrence of Pest and disease	-	Integrated Pest and Disease management	1	20	SMS(Horticulture)
c	Horticulture Production	Coconut	Occurrence of Pest and disease	FFS	Integrated Pest and Disease management	2	40	SMS(Horticulture)
10.3 a	Livestock Production	Goat rearing	Fodder scarcity	-	stall-fed goatery	2	50	PA (AH) & Head TANUVAS
b	Livestock Production	Dairy farming	High feed cost	FLD	Importance of grand supplement	1	15	Programme Assistant (AH)
c	Livestock Production	Dairy farm	Fodder scarcity	FLD	Importance of mixed fodder	2	30	Programme Assistant (AH)
d	Poultry	Backyard poultry	Nutritional security	-	Nutritional security and income generation through backyard poultry	1	15	SMS (H. Science) & Programme Assistant (AH)
10.4 a	Home Science	Millet	Iron deficiency	-	Role of micro-nutrients in daily diet	2	40	SMS (H. Science) & Lab.Technician
b	Home Science	Leafy vegetables	Post harvest loss	FLD	Value addition in leafy vegetables	2	40	SMS (H.Science) & Lab.Technician
c	Home Science	Fruits & Vegetables	Post harvest loss	FLD	Value addition in Fruits & Vegetables	2	40	SMS (H.Science) & Lab.Technician
d	Home Science	Milk	Lack of knowledge in value addition	FLD	Value addition in milk	2	20	SMS (H.Science) & Lab.Technician
10.5	Plant Protection	All crops	Unaware of bio agents	-	Production of bio agents	1	50	PC & Lab.Technician

10.6	Soil Health and Fertility	All crops	Un aware of composting technology	-	Different composting technology	2	30	SMS(SS)
10.7 a	Soil Health and Fertility	All crops	Un aware of composting technology	-	Vermicomposting	4	60	SMS(SS)
b	PHT and value addition	Fruits and Vegetables	Lack of knowledge in value addition	FLD	Value addition in Fruits and Vegetables	2	40	SMS (H.Science) & Lab.Technician
10.8 a	Farm Mechanization	Cotton	Unaware of maintenance of power sprayers	-	Proper care and maintenance of plant protection equipments	1	20	PA (Agri.Engg)
10.8 b	Farm Mechanization	Groundnut	Unaware of mechanical production	-	Mechanized ground cultivation	1	20	PA (Agri.Engg)
10.9	Mushroom production	Mushroom	Lack of knowledge about mushroom production	-	EDP Training to rural women	2	18	SMS (Agronomy) & Lab. Technician
10.10	Sericulture	Mulberry	Lack of knowledge in quality leaf production	-	Silkworm rearing	1	35	SMS (Agronomy)
10.11	Others, pl. specify	Areca plate making	- Lack of knowledge about agro waste recycling	FLD	EDP Training to rural women and men	2	20	SMS (H. Science) & Lab. Technician -

### 11 Trainings for Extension Personnel during 2017-18

S.No.	Thematic area	Training Course Title	No. of Courses	Expected No. of participants	Names of the team members involved
11.1	Crop Production	SRI cultivation in Paddy	1	18	SMS (Agronomy)
11.2	Home Science	Nutritional security and income generation through nutritional garden	1	30	SMS (Home Science) & Lab. Technician
11.3	Horticulture	Mixed cropping systems in Coconut	1	25	SMS(Horticulture)
11.4.	Horticulture	Hi-tech vegetable cultivation	1	20	SMS(Horticulture)
11.5	Livestock Production & Management	Milch animal management	1	20	PA (AH) & SMS (Agronomy)
11.6	Plant Protection	Integrated pest and disease management	1	20	PC

11.7	Farm Mechanization	Mechanization in groundnut production	1	15	PA (Agri. Engg)
11.8	Soil fertility Management	Ecological engineering	1	20	SMS (SS)

## 12. Vocational trainings during 2017-18

Sl.No.	Thematic area and the Crop/Enterprise	Training title	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Sponsoring agency if any	Names of the team members involved
12.1	Crop Production	Mushroom production	1	SHGs	20	Dept. Agriculture	SMS (Agronomy) & Lab. Technician
12.2	Areca nut	Areca plate making	1	SHGs, Rural youth	30	District Rural Development Agency Coimbatore	SMS (Home Science) & Lab. Technician
12.3	Terrace garden	Importance of integrated terrace garden	3	Rural youth	20	Dept .of Horticulture	SMS (Horticulture)
12.4	Vegetables	Quality seedling production	2	Practicing farmers, Rural youth	15	Dept .of Horticulture	SMS (Horticulture)
12.5	Goat rearing	Stall-fed Goat rearing	1	SHGs and Rural youth	25	-	PA (AH)& Professor and Head TANUVAS
12.6	Plant Protection	Production of bio agents	1	SHGs, Rural youth	30	-	PC & Lab. Technician
12.7	Farm Mechanization	Proper care and maintenance drip irrigation	1	Rural youth	15	Jain irrigation Dealer , Coimbatore	PA (Agri.Engg)
12.8	PHT and value addition	Value addition in millets	1	SHGs	20	Mahalar thittam Coimbatore	SMS (H. Science)& Lab. Technician
		Value addition in fruits and vegetables	1	SHGs	20	ATMA	SMS (H. Science)& Lab. Technician
12.9	Production of Inputs at Site	Vermicomposting	1	SHGs Rural youth	10	-	SMS (SS)



### 13. Sponsored trainings during 2017-18

Sl. No.	Thematic area and the Crop/Enterprise	Training title	No. of programmes and Duration (days)	Type of Clientele (SHGs, NYKs, School students, Women, Youth etc.)	Expected No. of participants	Sponsoring agency	Names of the team members involved
13.1	Crop Production	ICM in Groundnut	4	Rural youth	55	Department of Agriculture, Coimbatore	SMS (Agronomy)
13.1a	Crop Production	Integrated Farming System	3	Rural youth and women	50	Department of Agriculture, Coimbatore	SMS (Agronomy)
13.1b	Crop Production	Importance of small millets and its production	2	Women	40	Department of Agriculture, Coimbatore	SMS (Agronomy)
13.2a	Home Science	Value added products from millets	2	Farm women	30	Department of Agriculture & Horticulture	SMS (H. Science) & Lab. Technician
13.3	Capacity Building and Group Dynamics	Women empowerment-	1	Rural women	40	Ministry of Human resource development	SMS (H. Science) & Lab. Technician
13.4a	Horticulture	Improved production technologies in Horticultural crops	2	Rural youth and women	100	State department of Horticulture	SMS (Horticulture)
13.4b	Horticulture	Precision farming in Horticultural crops	2	Rural youth and women	50	State department of horticulture	SMS (Horticulture)
13.5	Animal Science	Backyard Poultry rearing	1	Farmers and farm women	50	Department of Animal Husbandry	PA (Animal Science), Veterinary Assistant Surgeon Karamadai
13.6	Farm Mechanization	Various subsidy programmes on farm mechanization	1	Farmers' club members	20	Department of Agricultural Engineering,	PA (Agri.Engg)

						Coimbatore	
13.7a	PHT and value addition	Value added products from fruits and vegetables	2	Rural youth	30	Government polytechnics Coimbatore	SMS (H. Science)& Lab. Technician
13.8	Production of Inputs at Site	Production of EFM for vegetable cultivation	1	Rural youth and women	20	State department of Horticulture	SMS (SS)

#### 14. Extension programmes during 2017-18

Sl.No.	Extension programme	No. of programmes or activities	Expected No. of participants	Names of the team members involved
14.1	Advisory Services	100	300	All technical staff
14.2	Diagnostic visits	75	150	All technical staff
14.3	Field Day	17	500	All technical staff
14.4	Group discussions	12	200	All technical staff
14.5	Kisan Ghosthi	1	150	All technical staff
14.6	Film Show	6	180	All technical staff
14.7	Self –help groups	12	300	All technical staff
14.8	Kisan Mela	1	500	All technical staff
14.9	Exhibition	10	1200	All technical staff
14.10	Scientists' visit to farmers field	12	180	All technical staff
14.11	Plant/Soil health/Animal health camps	3	1300	All technical staff
14.12	Farm Science Club	15	250	All technical staff
14.13	Ex-trainees Sammelan	2	40	All technical staff
14.14	Farmers' seminar/workshop	2	250	All technical staff
14.15	Method Demonstrations	75	250	All technical staff
14.16	Celebration of important days World Food Day, Breast feeding week and Women's Day	3	300	All technical staff
14.17	Special day celebration	5	500	All technical staff
14.18	Exposure visits	6	120	All technical staff
14.19	Technology week,	1	1000	All technical staff
14.20	FFS	1	30	All technical staff
14.21	Farm innovators meet	1	25	All technical staff
14.22	Awareness programs	3	250	All technical staff

## 15. Activities proposed as Knowledge and Resource Centre during 2017-18

### 15.1 Technological knowledge

Sl.No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
15.1.1	Technology Park/ Crop cafeteria	Agri business school	0.2	SMS (H. Science)&Lab. Technician
		Coconut	1.6	SMS (Horticulture) & Farm manager
		Fruit orchard	0.4	SMS (Horticulture) & Farm manager
		Dry land Horticulture	2	SMS (Horticulture) & Farm manager
15.1.2	Demonstration Units	Green manure	1	SMS (Agronomy) & Farm manager
		Mulberry	0.4	SMS (Agronomy) & Farm manager
		Sericulture	0.04	SMS (Agronomy) & Farm manager
		Terrace garden	0.002	SMS (Horticulture) & Farm manager
		Nursery unit	0.004	SMS (Horticulture) & Farm manager
		Paired row system in Banana	1.6	SMS (Horticulture) & Farm manager
		Curry leaf	0.4	SMS (Horticulture) & Farm manager
		Fodder Bank	0.4	Farm manager & PA(AH)
		Co-31 fodder sorghum	0.2	PA(AH) & Farm manager
		Azolla	0.0250	PA(AH) & Farm manager
		Stall fed goat unit	0.0400	PA(AH) & Farm manager
		Half rearing unit	0.0450	PA(AH) & Farm manager
		VAM Production unit	0.02	SMS (SS) & Farm manager
		Coir compost unit	0.02	SMS (SS) & Farm manager
		Vermicompost	0.02	SMS (SS) & Farm manager
		Earthworm production unit	0.01	SMS (SS) & Farm manager
		Soil conservation measures	400 Rmt	PA (Agrl. Engg.)& Farm manager
		Hatchery unit	-	SMS (H. Science) & PA(AH)
		Poultry unit	0.05	SMS (H. Science) & PA(AH)
15.1.3	Lab Analytical services	SWPTL	1020 Nos	SMS (SS)
15.1.4	Technology Week	Latest Agriculture Technologies	1	All KVK staffs

## 15.2 Technological Products

Sl.No.	Category	Name of the product	Quantity (Qtl.)/ Number planned to be produced during 2016-17	Names of the team members involved
15.2.1	Seeds	COFS-29	1.2 q	SMS (Agronomy) Farm manager
		Co-31	0.8 q	PA (AH) & Farm manager
		Azolla	0.5q	PA(AH) & Farm manager
15.2.2	Planting materials	Co-4 & Co-5 fodder	5,00,000 Nos	SMS (Agronomy) Farm manager
		Mulberry seedlings – V1	20,000 Nos	SMS (Agronomy) & Farm manager
		Coconut seedlings	5000 Nos	SMS (Horticulture) & Farm manager
		Banana suckers	2000 Nos	SMS (Horticulture) & Farm manager
		Vegetable seedlings	1000 Nos	SMS (Horticulture) & Farm manager
		Vetiver	1000 Nos	PA(Agri. Egg) & Farm manager
15.2.3		Bio-products	Production of Neem and Pungam soap	1q
	VAM Production unit		3 ton	SMS (SS) & Farm manager
	Coir compost unit		2 ton	SMS (SS) & Farm manager
	Vermicompost production unit		10 ton	SMS (SS) & Farm manager
	Earth worm production unit		50 kg	SMS (SS) & Farm manager
	Banana and Vegetable mixture		4 ton	SMS (SS)
15.2.4	Livestock strains	Goat kid	125 Nos.	PA (AH) & Farm manager
		Heifers	15 nos	PA (AH) & Farm manager
		Chicks	500 Nos	SMS (Home science) PA (AH)
		Eggs	5000 nos	SMS (Home science) PA (AH)

### 15.3 Technological Information

Category	Technological capsules / Number	Names of the team members involved
Technology backstopping to line departments		
Agriculture	Millets production technology	SMS (Agronomy)
	SRI in paddy production system-2	SMS (Agronomy)
	Integrated Farming System-2	SMS (Agronomy)
Horticulture	ICM in Coconut -1	SMS (Horticulture) &SMS (SS)
	ICM in Vegetables - 4	SMS (SS) & SMS (Horticulture)
	Protected Cultivation-1	PC & SMS (Horticulture)
Animal Husbandry	Mixed fodder cultivation-3	SMS (Agronomy) & PA (AH)
Agricultural Engineering	Groundnut harvester TD	PA (Agri. Engg)
Literature/publication	ICM in Paddy	SMS (Agronomy)
	ICM in Groundnut	SMS (Agronomy)
	Integrated Farming System	SMS (Agronomy)
	ICM in Small millets	SMS (Agronomy)
	ICM in Greengram	SMS (SS)
	ICM in Onion	SMS (Horticulture) &SMS (SS)
	ICM in Coconut	SMS (Horticulture) &SMS (SS)
	ICM in Banana	SMS (Horticulture) &SMS (SS)
	ICM in Curry leaf	SMS (SS) & SMS (Horticulture)
	ICM in Snake gourd	SMS (Horticulture) &SMS (SS)
	Modern irrigation system	PA (Agri. Engg)
	Mechanization in Bengal gram	PA (Agri. Engg)
	Mechanization in groundnut	PA (Agri. Engg)
	Farm Pond	PA (Agri. Engg)

	Mechanization in Cotton	PA (Agri. Engg)
	Importance of grand supplement	PA (Animal Husbandry)
	Importance of fodder sorghum	PA (Animal Husbandry)
	Value added products from fruits and Vegetables	SMS (Home Science) &Lab. Technician
	Value added products from millets	SMS (Home Science) &Lab. Technician
	Women empowerment through agribusiness school	SMS (Home Science) &Lab. Technician
	Importance of nutrition garden	SMS (Home Science) &Lab. Technician
Electronic Media	Data base	Computer Programmer
Kisan Mobile Advisory Services	All	Computer Programmer
Information on centre/state sector schemes and service providers in the district.	Data may be collected from different agencies. Also indicate time of completion.	Data collected

## 15. Additional Activities Planned during 2017-18

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
16.1	NABARD	Formation of FPO's	Formation of two Farmers Producers Organizations	18,00,000.00	All technical staff

## 17. Revolving Fund

### 17.1 Financial status

Opening balance as on 01.04.2016 (Rs.in Lakh)	Receipts during 2016-17 (Rs.in Lakh)	Expenditure incurred during 2016-17 (Rs.in Lakh)	Closing balance as on 28.02.2017 (Rs.in Lakh)	Expected closing balance by 31.03.2017 (Including value of material in stock)
3.16	27.03	18.33	11.86	13.06

## 17.2 Plan of activities under Revolving Fund

S.No.	Proposed activities	Expected output	Anticipated income (Rs.)	Names of the team members involved
17.2.1	COFS-29	1.2 q	15,500.00	SMS (Agronomy) & Farm manager
17.2.2	Cotton fibre	40 q	1,25,000.00	SMS (Agronomy) Farm manager
17.2.3	Co-4 & CO-5 fodder	5,00,000 Nos	1,50,000.00	SMS (Agronomy) Farm manager
17.2.4	Mulberry seedlings –V1	20,000 Nos	40,000.00	SMS (Agronomy) & Farm manager
17.2.5	Silk worm Cocoon	8 q	1,60,000.00	SMS (Agronomy) & Farm manager
17.2.6	Banana	200 q	2,50,000.00	SMS (Horticulture) & Farm manager
17.2.7	Coconut seedlings	5000 Nos	2,50,000.00	SMS (Horticulture) & Farm manager
17.2.8	Vegetable seedlings	1000 Nos	4,000.00	SMS (Horticulture) & Farm manager
17.2.9	Coconut (nuts)	21,000 Nos	1,60,000.00	SMS (Horticulture) Farm manager
17.2.10	Amla	2 q	2000.00	SMS (Horticulture) & Farm manager
17.2.11	Tamarind	12 q	6000.00	SMS (Horticulture) & Farm manager
17.2.12	Fruit and vegetable processing unit	100 kgs	25,000.00	SMS (Home Science) & Lab. Technician
17.2.13	Cereals and millets processing unit	Millet products – 1500 kgs	60,000.00	SMS (Home Science) & Lab. Technician
17.2.14	Processing of spices and condiments	400 kgs	40000.00	SMS (Home Science) & Lab. Technician
17.2.15	Vermicompost production unit	10 tons	1,00,000.00	SMS (SS) & Farm manager
17.2.16	Earth worm production unit	50 kg	25000-00	SMS (SS) & Farm manager
17.2.17	VAM Production unit	3 tons	150000.00	SMS (SS) & Farm manager
17.2.18	Coir compost	2 tons	25000-00	SMS (SS) & Farm manager
17.2.19	Production of banana and vegetable mixture	4tons	640000.00	SMS (SS)
17.2.20	Production of Neem and Pungam soap	1 q	5,000.00	SMS (SS)
17.2.21	Goats	125 nos	2,50,000.00	PA (AH)
17.2.22	Hiefers	15 nos	1,20,000.00	PA (AH)



17.2.23	Azolla	50 kg	750.00	PA (AH)
17.2.24	Co-31	0.8 q	25,000.00	PA (AH) & Farm manager
17.2.25	Chicks	500	30000.00	SMS (Home Science) PA (AH)
17.2.26	Eggs	5000	56000.00	SMS (Home Science) PA (AH)
17.2.27	Vetiver	1000	5000.00	PA (Agri. Egg) & Farm manager

#### 18. Activities of soil, water and plant testing laboratory during 2017-18

Sl.No.	Type	No. of samples to be analyzed	Names of the team members involved
18.1	Soil	800	SMS (Soil Science)
18.2	Water	200	
18.3	Plant	20	

#### 19. E-linkage during 2017-18

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
19.1	On Line Reporting System	Regularly updated	-
19.2	Creation and maintenance of relevant database system for KVK	Maintained and updated	-
19.3	Website and soil media	Regularly updated	-
19.4	Kisan Mobile Advisory services	Regularly sent	-

#### 20. Activities planned under Rainwater Harvesting Scheme (only to those KVKs which are already having scheme under Rain Water Harvesting)

S. No	Activities planned	Remarks if any
20.1	Proposal is submitted	-

## 21. Innovative Farmer's Meet

Sl.No.	Particulars	Details
21.1	Are you planning for conducting Farm Innovators meet in your district?	Yes
21.2	If Yes likely month of the meet	October 2017
21.3	Brief action plan in this regard	Inviting farm innovators from Agriculture and allied sectors in and around Coimbatore district during August 2017 Selection of best farm innovators during September 2017 Conducting farm innovators meet during October 2017

## 22. Farmer's Field School planned

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
22.1	Pest and Disease Management	Integrated Pest and Disease management in Turmeric	30,000.00

No of classes : 14

\* Subjects to be demonstrated

- Agro Eco system analysis
- Importance of varietal characters
- Demonstration of Rhizome treatment (Azospirillum and Phospobacteria Each 10 Kg / ha.)
- Integrated Nutrient Management (25:60:18 Kg / ha NPK – basal, 25:18 Kg / ha. NK Top dressing in 30,60,90,120 and 150 DAP-)
- Demonstration of disease management ( Leaf Spot - 5g / lit water Pseudomonas )
- Demonstration of pest management ( Shoot borer – Malathion 1ml / lit water )

Budget details

S. No	Particulars	Amount (Rs.)
1.	Refreshment for 30 participants @ Rs.40 per participant per day for 13 days	15600.00
2.	Distribution of literature to participants	4800.00
3.	Cost of critical inputs, banner and certificate	7000.00
4.	Organizing FFS Field Day working tea/refreshment and other contingencies	2600.00
	Total	30,000.00

**23. Budget - Details of budget utilization (2016-17) upto 28 February 2017**

S.No.	Particulars	Sanctioned	Released	Expenditure
23.1	Recurring Contingencies		1,23,17,000.00	
23.1.1	Pay & Allowances	1,10,02,000.00		1,09,62,846.00
23.1.2	Traveling allowances	1,50,000.00		1,17,771.00
23.1.3	Contingencies			
23.1.4	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	2,50,000.00		1,76,956.21
A				
B	POL, repair of vehicles, tractor and equipment's	1,75,000.00		1,74,980.00
C	Meals/refreshment for trainees	70,000.00		49,760.00
D	Training material	25,000.00		21,466.00
E	Frontline demonstration	3,00,000.00		2,80,917.00
F	On farm testing	46,000.00		40,221.00
G	Integrated Farming System (IFS)	30,000.00		9,980.00
H	Training of extension functionaries	25,000.00		7,333.00
I	Extension Activities	44,000.00		38,419.00
J	Farmers Field School	30,000.00		10,195.00
K	EDP / Innovative activities	50,000.00		27,690.00
L	Soil & Water Testing & Issue of Soil Health Cards	50,000.00		28,485.00
M	Display Boards	10,000.00		5,750.00
N	Maintenance of buildings	50,000.00		14,607.00
O	Library (Purchase of Journal,Periodicals,News paper & Magazines)	10,000.00		3,630.00
23.1	Total Recurring	1,23,17,000.00	1,23,17,000.00	1,19,71,007.21
23.2	Non-Recurring Contingencies		7,00,000.00	
23.2.1	Equipments & Furniture			
A	Office Automation	3,00,000.00		2,99,890.00
B	Furniture & Fixtures	1,00,000.00		97,985.00
23.2.2	Works			
A	Repair & Renovation	3,00,000.00		0.00
23.2.3	Vehicle	0.00		0.00
23.2.4	Library	0.00		0.00
23.2	Total Non-Recurring	7,00,000.00		3,97,875.00
<b>23.3</b>	<b>REVOLVING FUND</b>	0.00		
<b>23.4</b>	<b>GRAND TOTAL (A+B+C)</b>	<b>1,30,17,000.00</b>	<b>1,30,17,000.00</b>	<b>1,23,68,882.21</b>

## 24. Details of Budget Estimate (2017-18) based on proposed Action Plan

S.No.	Particulars	BE 2017-18 proposed (Rs.)
<b>24.1</b>	<b>Recurring Contingencies</b>	
24.1.1	Pay & Allowances	1,26,28,800.00
24.1.2	Traveling allowances	3,00,000.00
24.1.3	Contingencies	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	4,00,000.00
B	POL, repair of vehicles, tractor and equipment's	3,00,000.00
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1,50,000.00
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	1,00,000.00
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2,98,250.00
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	89,850.00
G	Training of extension functionaries	75,000.00
H	Extension Activities	1,00,000.00
I	Farmers Field School	30,000.00
J	EDP/ Innovative activities	50,000.00
K	Demo at KVK	50,000.00
L	Soil & Water Testing & issue of soil health cards	50,000.00
M	Display Board	40,000.00
N	Maintenance of buildings	1,00,000.00
O	Library (Purchase of Journal,Periodicals,News paper & Magazines)	20,000.00
	<b>TOTAL Recurring Contingencies</b>	<b>1,47,58, 250.00</b>
	<b>Non-Recurring Contingencies</b>	
24.1	Works (RWH system, Office, Residential building)	27,00,000.00
24.2	Equipment's including SWTL & Furniture	25,00,000.00
24.2.1	Vehicle (Two wheeler)	1,00,000.00
24.2.2	Library (Purchase of assets like books & journals)	50,000.00
24.2.3	TOTAL Non-Recurring Contingencies	53,50,000.00
24.2.4	<b>REVOLVING FUND</b>	-
<b>24.2</b>	<b>GRAND TOTAL</b>	<b>2,01,08,250.00</b>

## 25. KVK LAND UTILIZATION DETAILS

Sl.no	Particulars	Details
1	Total land available with the KVK in ha	20.5
2	Total wed land available with the KVK in ha	Nil
3	Total garden land available with the KVK in ha	9.00
4	Total dryland available with the KVK in ha (including pastural)	6.50
5	Total cropped area in ha	15.50
6	Total non cropped area	nil
7	Crop planned to be cultivated in KVK campus during June to September 2016-17(Furnished area in Ha for each crop in brackets after indicating the name of the crop)	<ul style="list-style-type: none"> <li>• Coconut(2.2)</li> <li>• Co FS 29 and Co -31(0.4)</li> <li>• Fruit cafeteria(0.4)</li> <li>• Banana(1.0)</li> <li>• Curry leaf(0.4)</li> <li>• Mulberry(0.5)</li> <li>• Fodder bank(0.4)</li> <li>• Fodder Co-4 &amp;Co -5(0.4)</li> <li>• Cotton(0.4)</li> <li>• IFS model (1.2)</li> </ul>
8	Crop planned to be cultivated in KVK campus during October to February 2016-17(Furnished area in Ha for each crop in brackets after indicating the name of the crop)	<ul style="list-style-type: none"> <li>• Banana (1.0)</li> <li>• Medicinal plant(0.4)</li> <li>• Cotton(0.4)</li> <li>• Ground nut(0.4)</li> </ul>
9	Crop planned to be cultivated in KVK campus during March to May 2017(Furnished area in Ha for each crop in brackets after indicating the name of the crop)	<ul style="list-style-type: none"> <li>• Maize(0.4)</li> </ul>
10	Area under building in ha	3.00
11	Area under demonstration unit in ha	2.00
12	Any other remarks	-