

Action Plan 2008 – 2009

**Krishi Vigyan Kendra
Tamilnadu Agricultural University
Sikkal, Nagapattinam – 611 108**

**ACTION PLAN FOR 2008 - 09
KVK, NAGAPATTINAM**

PROFORMA FOR ACTION PLAN OF KVKS IN ZONE VIII 2008-09

I. GENERAL INFORMATION

1.	Name and address of KVK with Phone, Fax , e-mail and web address	Krishi Vigyan Kendra Tamil Nadu Agricultural University Sikkal, Nagapattinam Pin – 611 108. Phone: 04365 – 246266 E-mail: kvksikkal@tnau.ac.in Phone: 04365 – 246266
2.	Name and address of host organization with Phone, Fax and e-mail	Tamil Nadu Agricultural University Coimbatore – 641 003. Phone: 0422-2431222 Fax: 91-422-2431672 Email: vc@tnau.ac.in
3.	Name of the Programme Coordinator Residence Phone Number/ Mobile No.	Dr.K.C.Gouthaman, Ph.D., Res. 0413-2223127 Mobile: 9442183127
4.	Year of sanction	July, 2004
5.	Major farming systems/enterprises	Rice - Rice – Pulses Rice - Rice - Cotton Rice - Rice - Gingelly Aquaculture Vegetables Coastal farming systems
6.	Name of agro-climatic zone	Coastal Eco system Eastern Coastal plain-Cauvery Delta Zone
7.	Soil type	Clay Loam soil and sandy soil along sea coast
8.	Annual rainfall (mm)	1222.8

9. Staff Strength:

Details	Programme Coordinator	Subject Matter Specialists	Programme Assistants	Administrative Staff	Drivers	Supporting Staff	Total
Sanctioned	1	6	3	2	2	2	16
Filled	1	6	2	2	2	1	14

9a. Details of staff:

Sl.No.	Sanctioned post	Name of the incumbent	Designation	Pay scale	Joining date	Per. / Temp.	SC/ST/Physically Handicapped	Source of salary (KVK/HO)
1.	Programme Coordinator	Dr.K.C.Gouthaman	Professor and Head	16400-450-20700-500-2200	20. 05.05	Permanent	OBC	KVK
2.	Subject Matter Specialist	Dr.R.Rajendran	Professor	16400-450-20900-500-22400	15.05.06	Permanent	BC	KVK
3.	Subject Matter Specialist	Dr. C. Vijulan Harris	Professor	16400-450-20900-500-22400	14.06.07	Permanent	BC	KVK
4.	Subject Matter Specialist	Dr.K.A.Jeyakumar	Professor	16400-450-20900-500-22400	01.02.08	Permanent	BC	KVK
4.	Subject Matter Specialist	Dr. R. Arunachalam	Associate Professor	12000-420-18300	05.06.06	Permanent	MBC	KVK
5.	Subject Matter Specialist	Dr.R.Revathi	Associate Professor	12000-420-18300	01.11.07	Permanent	ST	KVK
6.	Subject Matter Specialist	Dr.D.Jayanthi	Assistant Professor	8000-275-13500	25.05.05	Permanent	BC	KVK
8.	Programme Assistant - Technical	Th.V. GnanaBharathi	Programme Assistant (Technical)	5500-175-9000	05.06.07	Temporary	SC	KVK
9.	Programme Assistant – Computer	Vacant						
10.	Farm Manager	Th.R.Vedharethinam	Farm Manager	5500-175-9000	04.06.07	Temporary	MBC	KVK
11.	Accountant/Superintendent	Th. A. Somasundaram	Assistant Accounts Officer	6500-2500-10500	14.05.07	Permanent	OC	KVK
12.	Stenographer	Mr.V.Ganesan	Assistant	4000-100-6000	16.3.05	Permanent	OBC	KVK
13.	Driver	S.Jhonson	Driver	3200-85-4900	23.08.07	Permanent	BC	KVK
14.	Driver	Mr.R.Ponnar	Mechanic Gr. II	5000-150-8000	13.5.05	Permanent	OBC	KVK
15.	Supporting staff	Mr.B. Vinayagam	Office Assistant	2650-65-3300-70-4000	10.6.05	Permanent	OBC	KVK
16.	Supporting staff	Vacant						

10. Plan of Human Resource Development of KVK personnel during 2008-09

S.No.	Discipline	Area of training required	Organizations/ institutions where training is offered	Approximate duration (days)
1.	Agri. Extension	Information and Communication Technologies and organic Farming	ICAR, CSIR and other reputed institution / International units	21 days
2.	Agricultural Entomology	Production of Bio-Control Agents	ICAR – GOI	21 days
3.	Soil science	Management of problem soils, Integrated plant nutrient management	ICAR	21 days
4.	Pl. Pathology	Modern approaches in the integrated plant diseases management	ICAR	21 days
5.	Horticulture	Hi Tech vegetable cultivation	IARI	21 days
6.	Forestry	Advanced methods in Agro Forestry Training on tree borne oilseeds	Fodder Resaerch Institute (ICAR), Jansi and FC & RI, Mattupalayam	10 days each
7.	Agricultural Extension	Group approaches and leadership development	NAARM, Hyderabad	15 days

11. Infrastructure:

i) Total Area (ha) with KVK along with Survey Numbers:

Area Cultivated	Area occupied by buildings and roads	Area with demonstration units
21.14 ha	1.46 ha	Nil

ii) Buildings

Admn. Building			Farmer's Hostel			Staff Quarters			Details of Demonstration Units		
Plinth area (m ²)	Cost (Rs. in lakh)	Year of Construction	Plinth area (m ²)	Cost (Rs. in lakh)	Year of Construction	Plinth area (m ²)	Cost (Rs. in lakh)	Year of Construction	Name	Plinth area (m ²)	Cost (Rs. in lakh)
548 m ²	41.65	2007	300 m ²	26.38	2007		400 m ²	33.30	2007	-	-

iii) Vehicles

Type of vehicle	Model	Actual cost (Rs.)	Total kms. Run	Present status
Bolero Jeep	Mahindra Bolero Jeep 2004 TN-51C-1253	4,88,210/-	65,368 km (as on 15.03.07)	Good Condition
Motor Cycle	TVS Star City TN51C-7047	35,481/-	26,763 km (as on 31.03.08)	Good Condition

iv) Equipments and AV aids

Sl. No.	Name of Equipments	Date of purchase	Cost (Rs.in lakh)	Present status
1.	Tractor (TN-51-C-1924)	2004	3,47,607	Good
2.	Rotovator	2004	68,500	Good
3.	Cultivator	2004	14,645	Good
4.	Cage Wheel	2004	11,684	Good
5.	Leveler	2004	8,922	Good
6.	Digital Camera	2006	19,950	Good
7.	Computer with Accessories	2005	75,000	Good
8.	Xerox Machine	2005	73,968	Good
9.	Flow through paddy thresher	2006	50,000	Good
10.	Agro Shredder	2006	25,605	Good
11.	Laminar air flow chamber	2007	37,856	Good
12.	Autoclave – vertical	2007	33,560	Good
13.	Digital pH meter	2007	14,850	Good
14.	Digital electrical balance	2007	18,150	Good
15.	Computer –Desktop -2 No	2007	93,000	Good
16.	Computer (Laptop – Compaq)	2007	49,400	Good
17.	LCD Projector – 2 No	2007	1,07,000	Good

12. Details of SAC meeting conducted during 2007-08 and proposed during 2008-09

Sl.No	Conducted during 2007-08	Proposed for 2008 -09
1.	21.02.2007	Date yet to be finalized

II. PLAN FOR TECHNICAL ACTIVITIES

1: OPERATIONAL AREA DETAILS FOR 2008-09

Sl. No.	Taluk	Name of villages	Major crops & enterprises being practiced	Major problems identified	Identified thrust areas

SUMMARY OF LIST OF THRUST AREAS FOR THE KVK FOR 2008-09

- i)
- ii)
- iii)
- iv)

2. Abstract of interventions proposed based on the prioritized problems during 2008-09

S.No	Crop/Enterprise	Prioritized Problem	Interventions				Others
			Title of OFT if any	Title of FLD if any	Title of Training if any	Title of Training for extension personnel if any	
1	Paddy	1 2 3					
2							

* Others include extension programmes, supply of technological products

3. Details of technology assessment and refinement

Sl.No.	Problem identified	Technology for assessment	No. of On Farm Trials

Sl.No.	Problem identified	Technology for refinement	No. of On Farm Trials

PLAN OF ON FARM TESTING IN CASE ASSESSMENT FOR 2008-09

(You are requested to prepare a detailed proposal for each OFT as per the following guidelines)

1. Title of the technology to be assessed: Identification and assessment of pest and diseases in Vasambu (*Acorus calamus*)
2. Agro-Ecological Zone : Cauvery Delta Zone – irrigated.
3. Production System : Wetland eco system.
4. Problem definition : As this is newly introduced crop, identifying pests and diseases prevalent in this region is essential and hence proposed.
5. Problem Cause Diagram : This crop is mainly raised in ill drained wetland eco system. Hence the crops become vulnerable to damage by pests and diseases.
6. Number of farmers and area affected : Nearly 160 ha of Vasambu being cultivated in this district during 2007-08. in the operational villages
7. Rationale for proposing the assessment : Vasambu is one of the alternate crops recently being introduced and found suitable for low land inundated conditions in this district. It has been performed well with maximum production under crop diversification programme.
8. Technology options being assessed along with justification :

Sl.No.	Technological Options	Details of Technology	Source of Technology	Justification
1.	Farmer's Practice	Normal planting with cultivation package.		
2.	Technological Option 1	Identification and assessment of pests and diseases if any in Vasambu.	TNAU	To develop suitable eco friendly IPM strategy.
3.	Technological Option 2	-	-	-
4.	Technological Option 3	-	-	-
5.	Technological Option 4	-	-	-

9. Parameters to be measured in relation to the technology : Pest and diseases identification, symptoms and damage intensity. Natural enemies of pest and diseases, biometric observation, yield loss assessment etc.

10. Details of farmers

Sl.No.	Name of Village	Name of Farmer	Area(ha)
1.	Kilvelur Black	To be identified	1/2ha
2.	Sembanarkovil Black	To be identified	1/2ha
3.	Melapudhur	To be identified	1/2ha
4.	Tharangampadi	To be identified	1/2ha
5.			

11. Budget for Assessment

S. No	Critical inputs for technological options			
	Name	Qty.	Unit Cost (Rs.)	Total Cost
1	Seed materials	10000 saplings/ha	Rs. 5000/-	20400
2	Bio fertilizer and other inputs.	500 to 1Kg/ha	Rs.100/-	
3				

PLAN OF ON FARM TESTING IN CASE REFINEMENT FOR 2008-09

(You are requested to prepare a detailed proposal for each OFT as per the following guidelines)

1. Title of the technology to be refined : Bio intensive methods of management of shoot and fruit borer in Brinjal.
2. Agro-Ecological Zone : Covery Delta Zone.
3. Production System : Garden land eco system.
4. Problem definition : Shoot and fruit borer menace in Brinjal and estimated yield loss was ranged from 40 – 50%.
5. Problem Cause Diagram : Indiscriminate use/application of insecticides and chemical fertilizers lead to cause more shoot and fruit borer infestation.
6. Number of farmers and area affected in the operational villages : Nearly 200 farmers and 500acrs of Brinjal crop in 20 villages being affected by shoot and fruit borer in Nagapattinam District.
7. Rationale for proposing the refinement : Currently the Brinjal crop is being infested with shoot and fruit borer and the damage ranged from 40 – 50%. Farmers are applying more and more chemical fertilizers and less of organic inputs which led to higher incidence of shoot and fruit borer. Most of the insecticide found not effective to control in time, besides causing resurgence of sucking pest(aphids, whitefly, and mealy beg). To overcome this problem suitable IPM strategy with bio intensive components to manage shoot and fruit borer is essential.

8. Technology options for refinement along with justification

Sl.No.	Technological Options	Details of Technology	Source of Technology	Justification
1.	Farmer's Practice	Indiscriminate chemical insecticidal treatment.	Local distributors and retailers.	
2.	Technology Selected for Refinement	IPM with bio intensive components for shoot and fruit borer.	Tamil Nadu Agricultural University	Effective management of shoot and fruit borer and avoids resurgences of sucking pest.
3.	Technological Option 1	Existing IPM technology being recommended.	TNAU	For Refinement
4.	Technological Option 2			
5.	Technological Option 3			

9. Parameters to be measured in relation to the technology : (i) Estimation of shoot and fruit borer damage.
(ii) observation on sucking pest.
(iii) Yield parameters.

10. Details of farmers :

Sl.No.	Name of Village	Name of Farmer	Area(ha)
1.	Vellapallam	To be identified	½ ha
2.	North poigainallore	To be identified	½ ha
3.	Nangudi	To be identified	½ ha
4.	Vedranyam	To be identified	½ ha
5.			

11. Budget for Assessment

S. No	Critical inputs for technological options			
	Name	Qty.	Unit Cost	Total Cost
1	Seeds bio fertilizer, microbial insecticides, fungicides, pheromone traps, botanical etc.,		Rs.2500/-	Rs. 10000/-
2				
3				

4. Details of Frontline Demonstrations

PLAN OF FRONT LINE DEMONSTRATIONS FOR 2008-09 INCLUDING OILSEEDS, PULSES, COTTON, CEREALS, HORTICULTURAL CROPS, PLANTATION CROPS, COMMERCIAL CROPS AND ENTERPRISES

(You are requested to prepare a detailed proposal for each OFT as per the following guidelines)

1. Technology to be demonstrated : Need based application of phorate 10G@ 15gm/live barrow during plastering of the rice field bunds was formed best and effective in re
2. Production System
3. Season of the demonstration
4. Problem definition

Crop/Enterprise	Yield gap (q/ha)			Reasons for yield gap	Prioritized problem
	District average yield	Potential yield	Farmers yield		

5. Objective of the demonstration
6. Rationale for selection of the technology
7. Details of Technology to be demonstrated

Name of the technology	Source of Technology	Year of release	Attributes of Technology

8.Parameters to be measured in relation to the technology

9.Details of Farmers Proposed

Sl.No.	Name of Village	Name of Farmer	Area(ha)
1.			
2.			
3. and so on			

10. Budget for Assessment

S. No	Critical inputs for demonstrations			
	Name	Qty.	Unit Cost	Total Cost
1				
2				
3				

5. Details of Training activities

5a. Plan of training programmes for farmers/farm women during 2008-09

Crop / Enterprise	Major problem	Objective of training programme	Training Title	Skill component involved	Durati on (Days)	No. of Courses	Number of participants	Specify FLD/OFT in relation the programme
Paddy	Pest & disease problems	To teach them modern approaches in Pest management	IPM technologies for paddy	Pest management	1	3	30/ batch	Awareness
Vegetables	Poor yield Response	To train the farmers in modern approaches in Pest and nutrient management	IPM for major vegetables (Brinjal Bhendi)	Pest and disease management	2	4	25/ batch	OFT
Rice fallow Pulses	Pest & disease problems	To inculcate modern approaches in Pest and nutrient management	Training on IPM technologies Training on INM technologies for cotton	Pest and nutrient management	1	2	25/ batch	--
Coconut	Poor yield due to button shedding & pests problems	To train them modern approaches in Pest and nutrient management	Training on INM & IPM technologies for coconut yield maximization	Pest and nutrient management	2	3	25/ batch	--

		nt						
Rice	Rodent menace and yield loss.	To inculcate modern approaches in Rodent management	Integrated Rodent management.	Fumigating the Rodent burrows with granules.	1	4	30/batch	FLD
Plant Protection	Eco friendly management	To inculcate safe and selective use of insecticides, biocides, for management of P&D	Safe and selective methods of Plant Protection.	Safe and selective use of insecticides, biocides, for management .	2	2	30/batch	--
Vegetables	Poor adoption of latest technologies	To expose them modern approaches in Precision farming practices	Training on Precision Farming practices	Precision farming	2	5	25/ batch	FLD
Maize & Vasambu	Rice forms only a subsistence crop in the delta	To introduce crop diversification suited to Nagapattinam district	Training on package of production for maize and Vasambu	Crop diversification	2	5	25/ batch	FLD
Agricultural Engineering	Water, labour Scarcity, Energy Problem.	To create awareness and skill development in Rural energy and ecological conservation.	Rural energy generation for self reliance through biogas	Rural energy and ecological conservation .	1	2	25/ batch	---
Water management	Water scarcity in the post monsoon season (Summer and Kharif)	To train them on Water conservation and management	Micro irrigation and fertigation	Water conservation and management	1	2	25/ batch	--

Storage of food grains	Post harvest loss in storage	To teach the farmers in Post harvest technology and value addition	Training on management of stored product pests	Post harvest technology and value addition	1	2	25/ batch	OFT
Soil health	Low productivity due to low organic carbon	To introduce and inculcate skill in the Organic farming practices	Training on Vermicomposting, Biodegradation of wastes and bio farming.	Organic farming	4	10	25/ batch	
Mechanization	Labour scarcity and low efficiency	To introduce approaches of Farm mechanization in Nagai district	Maintenance of farm machineries	Farm mechanization	1	2	25/ batch	--
Vegetables and flowers	Seasonal glut fetch poor price for the produce	To introduce and train farmers in Protected cultivation	Exploiting off season demand	Protected cultivation	2	5	25/ batch	OFT

5.b Plan of training programmes for rural youth during 2008-09

Crop / Enterprise	Major problem	Objective of training programme	Training Title	Skill component involved	Duration	No. of Courses	Number of participants	Specify FLD/OFT in relation the programme
Mushroom production	Lack of knowledge on the technology	To create awareness and inculcate skill in the practices of Mushroom production	Skill development training on mushroom production technology, preservation and processing	Production practices, preservation and processing	3 days	3 courses	25 /batch	--
Vermi-compost production	Low productivity due to low organic carbon	To give them hands on training in the production of vermin compost	Training on vermi-compost production	Production of vermi compost	1 day	1 course	25 /batch	--
Bio decomposition of farm waste	Low productivity due to low organic carbon and Lack of knowledge in the technology	To create awareness and skill development in this practice	Training on the Bio Decomposition of Farmwaste	Methods and steps in the Bio decomposition	1 day	2 courses	25/batch	--
Operation and use of Farm Machineries	Labour scarcity and low efficiency	To give them hands on skill training in the operation and use of farm machineries	Operation and maintenance of farm machineries	Operation and maintenance procedures	2 days	2 courses	25/batch	--
Irrigation management	Water scarcity in the post monsoon season (Summer and Kharif) and poor knowledge	To train them in the modern means of irrigation management and arrange for exposure visits	Micro Irrigation system for crop production Water harvesting, conservation and management	Water harvesting and management, Exposure visit	2 days	2 courses	25/batch	

	in the efficient irrigation management practices							
Vegetable Nursery	Poor yield and low economic returns in vegetable cultivation,	To train the farmers in raising quality vegetable seedlings using protrays	Commercial production of vegetable nursery	Techniques in raising quality seedlings in protrays	1 day	1 Course	25/batch	OFT
Vegetables	Poor yield and low economic returns in vegetable cultivation,	To create awareness and skill development in the cultivation of vegetables under protected cultivation	Vegetable production under protected cultivation	Techniques in the protected cultivation	2 days	2 courses	25/batch	OFT
Alternate crops	Poor economic returns, severe incidence of pests and diseases due to mono cropping	To train the farmers on the cultivation of profitable alternate crops	Prospects of crop diversification in the delta and production technologies	Alternate crops and the cultivation techniques	1 day	1 course	25/batch	FLD
Food Processing	poor knowledge in the methods of processing and value addition to the harvested produce, food	Train the farmers on the food processing techniques	Training on food processing	Post harvest technology and value addition: Techniques involved	1 day	1 course	25/batch	--

5c. Plan for Training Programmes for Extension Functionaries during 2008-09

Crop / Enterprise	Major problem	Objective of training programme	Training Title	Skill component involved	Duration	No. of Courses	Number of participants	Specify FLD/OFT in relation the programme
Rodent Management	Severare rodent damage in the previous season	To inculcate skill in the rodent management techniques	Skill demonstration in the management of Rodents	Methods of Management	1 day	1	25/batch	OFT
Organic farming	Low soil fertility and poor status of carbon	To create awareness and functional understanding by providing hands on experience	Organic agriculture: Approaches and Practices	Methods of Organic agriculture	1 days	2	25/batch	--
Rice	Low soil fertility and incidence of pest and diseases	To train the farmers on the methods of INM and IPM in Rice	INM and IPM in Rice cultivation	Methods and steps involved in INM and IPM	1 day	2	25/batch	OFT
Farm machineries	Labour scarcity and high cost labours	To create functional understanding in the use and maintenance of farm machineries	Training in the operation and maintenance of modern farm machineries suited to Nagai district	Operation and Maintenance of farm machineries	1day	2	25/batch	--
Coconut	Low soil fertility, severe button shedding and severe incidence of pest and diseases	To train the coconut farmers in the methods and use of INM and IPM	Training on the methods and use of INM and IPM in coconut	Methods and use of INM and IPM	1 day	2	25/batch	--
Vegetables	Poor yield and low economic returns	To introduce and inculcate the skills involved in Hi Tech vegetable	Creating awareness and skill development in the cultivation	Methods and use of Hi Tech vegetables cultivation techniques	1 day	1	25/batch`	FLD

		cultivation techniques	of Hi Tech vegetable cultivation techniques					
Pulses	Low yield, poor economic returns and severe incidence of pests and diseases	To teach them improved pulse production techniques	Improved pulse production techniques	Improved pulse production techniques – Usage	1 day	1	25/batch	FLD
Water management	Water scarcity in the post monsoon season and poor management of available irrigation water observed among the farmers	To demonstrate and make them functionally understand the efficient water management techniques	Improved water management techniques	Methods of effective water management as suited to Nagai district	1 day	1	25/batch	---

5d. Plan of Vocational training programmes for Young Farmers (Rural Youth) during 2008-09

Crop / Enterprise	Major problem	Objective of training programme	Training Title	Skill component involved	Duration	No. of Courses	Number of participants
Vermi Compost	Unemployment	To provide self-employment in rural area	Preparation and maintaining of Vermicompost	How do aspect of Vermicompost inability	21	1	15

5e. Plan for sponsored training programme during 2008-09

Crop / Enterprise	Major problem	Objective of programme	Training Title	Skill component involved	Duration	No. of Courses	Number of participants	Sponsoring Agency
Major holders crops (Mango, chillies, Banana)	Low yield and income lack or knowledge on crop production technology	To increase the yield and income of farmers. To input training on crop production technology.	Technical training on the focus crop	Below of critical technologies	2	30	30	National Horticulture mission, Chennai.
Mushroom	Un Employment Among rural Youth.	To provide Self-employment Opportunities In rural Area.	Production And marketing of mushroom	Below of Production Technology	5	2	20	NABARD Nagapattinam

6. Details of Extension Programmes planned for 2008-09

Month	Block & village	Extension Programme	Specify FLD/OFT in relation to the programme	Expected number of participants		
				Farmers/Farm women/Rural youth	Extension Personnel	Total
April		Interaction Meeting with farmers.	FLD	20	4	24
May		Campaign on rat eradication	FLD/OFT	25	5	30
June		Village seminar on IPM of Brinjal/Vasambu	FLD/OFT	60	12	72
July		Planning meeting with farmers.	FLD	40	5	45
August		Préseasonal meeting on vegetables.	-	60	10	70
September		Exhibition on agro forestry.	FLD/OFT	100	25	125
October		Village meeting on rice production.	FLD/OFT	60	15	75
November		Demonstration on farm equipments suitable for	-	100	25	125

		rice and oil seeds production.				
December		Meeting on post harvest technology of major crops.	-	75	10	85

January		Animal health campaign	-	125	15	140
February		Soil health campaign.	-	100	25	125
March		Discussion meeting on precision farming.	-	60	25	85

7. Details of Seeds / Planting Material/ Livestock / Bioproducts to be produced during 2008-09

Sl.No.	Category	Crop / Enterprise	Variety / Breed	Quantity (kg / No)
1	Production and supply of seed materials			
	Cereals	Rice	ADT 43 (F), CR 1009 (F), CO 48 (TFL).	5000 kg each variety.
	Oilseeds	-	-	-
	Pulses	-	-	-
	Vegetables	-	-	-
	Flower crops	-	-	-
	Others (Specify)	-	-	-
2	Production and supply of Planting materials			
	Fruits	-	-	-
	Spices	-	-	-
	Vegetables	Chillies, Tomato, Brinjal, Cabbage.	Priyanka, Lakshmi, Ravaya, Harirani.	5000 No. each.
	Forest species	Casurina,	Casurina, junghuniyana,	100000 seedlings.
	Ornamental crops	Ornamental potted plants.	-	500 No.
	Plantation crops	-	-	-
	Others (Specify)	-	-	-
3	Production and supply of bio-products			
	Bio agents	Vermi Compost	-	20000 kg.
	Bio fertilizers	-	-	-
	Bio pesticides	-	-	-
4	Production and supply of livestock material			
	Cattle	-	-	-
	Sheep	--	-	-
	Goat	Goat	Telichery	50 No.

	Fisheries	-	-	-
	Others (Specify)	-	-	-

8. Activities of soil, water and plant testing laboratory

Year of establishment	Expenditure (Rs. in lakh)	No. of soil samples planned to be analyzed and reported	No. of water samples planned to be analyzed and reported	No. of Plant Samples planned to be analyzed and reported	Remarks if any

9. Details of process documentation planned for 2008-09 in relation to output, outcome and impact

Sl. No.	Title of document	Expected date of submission

10. Details of print media coverage planned for 2008-09

Sl. No.	Nature of literature/publications and no. of copies	Proposed title of the publication

11. Details of electronic media coverage planned for 2008-09

Sl. No.	Nature of media coverage	Proposed title of the programme to be telecasted/ broadcast

12. Nature of collaborative activities planned for 2008-09

Thrust area	Collaborative Organizations	Nature of activities*	No. of Activities
INM (for Groundnut)	IPL	Village seminar	1
Self employment to members of SHG	TN women Development corporation	Training on (i) Vermi compost production and marketing.	4
Self employment to members of SHG	TN women Development corporation	(ii) Mushroom production	2
Self-employment in rural area (for rural youth)	DEDA	Training on servicing and maintenance of Tractor power	1

		filler sprayer, and duster.(21 days)	
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*Specify the activity like training, meetings, seminars, campaigns, workshops

13. Activities proposed under Farmers Field School (FFS) – Detailed proposal is to be provided in the following format

Title of FFS	
Problem definition	
Main Objectives of FFS	
Scientific rationale of FFS	
The learning process involved in FFS	
Priorities of FFS	
Budget details	

14. Schedule for creation of Database at KVK during 2008-09

S. No	Name of Database	Content of Database	Expected date of Completion
01	Resource inventory of the District	<ol style="list-style-type: none"> 1. Nine fold classification of land 2. Number and size of operational holdings 3. Weather parameters of the district. (for a minimum period of ten years) 4. Details of soil profile 5. Detailed cropping pattern (for a minimum period of ten years) 6. Area, production and productivity of major crops 7. Details of livestock wealth in the district 8. Production and productivity of livestock produces 9. Area under irrigation from different sources 10. Seasonal availability of labour 11. Trend in wholesale price of major crop and livestock products (for a minimum period of ten years) 12. Details on input agencies 13. Details on infrastructural facilities available for production, post harvest and marketing 14. Details of institutional credit facilities 15. Any others relevant to district 	
Data required since inception of the KVK			
1.	Farmers Database	Details of farmers	
2.	Technology Inventory for the District	Details of suitable technologies for a district with their details	
3.	Database for Technologies assessed and Refined	Technologies taken up for assessment and refinement with their attributes	
4.	Frontline Demonstrations Database	Details of crops and enterprises along with technologies identified for demonstration	

5.	Training Database	Details of training programmes across all categories and types of participants	
6.	Database of Extension Programmes	Details of extension activities conducted with types of participants	
7.	Seeds and Planting Material Database	Details of crops along with varieties produced and sold	
8.	KVK Inventory of Assets	Details of inventories including all assets explaining year of purchase, present condition etc.	
9.	KVK Accounts Database	Various accounts along with their sanction, expenditure etc.	

15. Are there any activities planned for production and supply (Either buy back or directly farmer to farmer) of seeds/ planting material/Bio-agents etc. In villages (other than KVK farm) so that public private partnership is utilized. Please give details in the following format

Sl. No	Seeds/Planting material /Bio-agent	Name of the public-private partnership arranged	Quantity of output expected (qtl)
1.	Quality seedling production in vegetables.	KVK – NGO	500
2.	Quality seedling production in vegetables.	Farmer - Farmers	100

16. What is the extent of cultivable wasteland in your district? Are there any specific activities planned to be implemented in these wastelands by the KVK during 2008-09. Please give details.

Sl. No	Name of activity	Extent of coverage's	
		No. of farmers	Area (ha)

*individual/SHGs/farmers' associations/corporate/institutions/private agencies etc.

17. National Horticulture Mission (NHM) is being implemented through out the country. You are requested plan for implementing some of the activities envisaged in NHM in your district in collaboration with district head of department of horticulture. Please give details of any such plans for 2008-09

18. Whether ATMA is functioning in your district? NO. ATMA is not functioning in Nagapattinam District.

If yes, what type of coordination and collaboration does your KVK is proposed to have during 2008-09?

If Yes, whether Strategic Research and Extension Planning (SREP) has been prepared?

Yes / No

19. What type of Scientist-Farmer linkages are proposed by your KVK for 2008-09?

Type of scientist – farmer linkages proposed by KVK, Nagapattinam for 2008 – 09.
 Scientist – farmer interaction meetings/seminars/workshops etc.,
 Farm advisory services.
 Farmer advisory services.

20. Please give details of activities planned, other than those listed above.

III. ACTION PLAN FOR FARM ACTIVITIES

1. Financial status of revolving fund and plan for its utilization

Opening balance as on 01.04.2007	Expenditure incurred during 2007-08	Receipts during 2007-08	Closing balance as on 31.03.2008	Proposed expenditure during 2008-09	Proposed receipts during 2008-09

2. Physical status of revolving fund and plan for its utilization

Opening stock position of materials* as on 01.04.2007	Quantity produced during 2007-08	Quantity sold during 2007-08	Closing stock position as on 31.03.2008	Expected production during 2008-09	Expected number of beneficiaries

* Product may include seeds, planting material, bio agents/fertilizer, livestock and samples analyzed.

3. Plan for utilization of Revolving Fund (2008-09)

Amount to be invested (Rs.)	Purpose	Expected production	Approximate value of the produce

4. Status of KVK farm and Demonstration units

No. of blocks	Area	Source of irrigation	Season	Crop/enterprise/demonstration units	Size (no. of units/area)	Expected output	
						Quantity	Value
4 Blocks (A1, A2, A3, A4)	4.03 acre	Borewell	Kharif ,	Rice	4.03 acre	5000 Kg	-
4 Blocks (E4, E5, E6, E7)		Borewell	Samba	Rice	3.57 acre	5000 Kg	-
4 Blocks (D4,D5,D6,D7)		Borewell	Samba	Rice	4 acre	5000 Kg	-
3 Blocks (E1, E2, E3, D1, D2)		Borewell	Nov – Dec	Vegetables	5 acre	-	-
2 Blocks (B4, B5)		Borewell	Through out the year.	Fodder	2 acre	-	-
3 Blocks (F4, F7, F8)		Borewell	Through out the year.	Fish Pond	1.5 acre	1500 Kg.	-

IV. PLAN FOR FINANCIAL MANAGEMENT

Table 26. Details of Budget utilization (2007-08) and Proposed during 2008-09

Sl. No.	Particulars	2007-08			2008-09
		Sanctioned	Released	Expenditure	Budget Proposed
A. Recurring Contingencies					
1	Pay & Allowances				
2	Traveling allowances				
3	Contingencies				
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)				
B	POL, repair of vehicles, tractor and equipments				
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)				
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)				
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)				
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)				
G	Training of extension functionaries				
H	Maintenance of buildings				
I	Establishment of Soil, Plant & Water Testing Laboratory				
J	Library				
TOTAL (A)					

Table 26. (Continued)

Sl. No.	Particulars	2007-08			2008-09
		Sanctioned	Released	Expenditure	Budget Proposed
B. Non-Recurring Contingencies					
1	Works (Please Specify)				
	i)				
	ii)				
	iii)				
	iv)				
2	Equipments including SWTL & Furniture (Please Specify)				
	i)				
	ii)				
	iii)				
	iv)				
	v)				
3	Vehicle (Four wheeler/Two wheeler, please specify)				
	i)				
	ii)				
4	Library (Purchase of assets like books & journals)				
TOTAL (B)					
C. REVOLVING FUND					
D. RAIN WATER HARVESTING UNIT					
GRAND TOTAL (A+B+C+D)					

SUMMARY OF TARGETS SET FOR NUMBER OF INTERVENTIONS TO BE IMPLEMENTED DURING 2008-09

S. No	Particulars of intervention	Target	
		No. of technologies	Number of Trials
01	Technologies to be assessed		
02	Technologies to be refined		
03	Front Line Demonstration	Area(ha)	Number of Demonstrations
	Oilseeds		
	Pulses		
	Cereal Crops		
	Horticultural Crops		
	Plantation Crops		
	Commercial Crops		
	Enterprises		
04	Training Programmes	Number of Courses	Number of Participants
	Farmers and farm women		
	Rural Youth		
	Extension personnel		
	Vocational programmes		
	Sponsored programmes		
05	Extension Programmes	Number of Programmes	Number of Participants

S. No	Particulars of intervention	Target	
		Quantity (kg) / Number	Number of Farmers
06	Production and supply of seed materials		
	Cereals		
	Oilseeds		
	Pulses		
	Vegetables		
	Flower crops		
	Others (Specify)		
07	Production and supply of planting materials		
	Fruits		
	Spices		
	Vegetables		
	Forest species		
	Ornamental crops		
	Plantation crops		
	Others (Specify)		
08	Production and supply of bio-products		
	Bio agents		
	Bio fertilizers		
	Bio pesticides		
09	Production and supply of livestock material		
	Cattle		
	Sheep		
	Goat		
	Fisheries		
	Others (Specify)		
		Number	Number of Farmers
07	Number of soil samples to be analyzed		
08	Number of water samples to be analyzed		
09	Number of plant samples to be analyzed		

Dr.R. Revathi Associate Professor (Forestry) OFT

PLAN OF ON FARM TESTING IN CASE REFINEMENT FOR 2008-09

(You are requested to prepare a detailed proposal for each OFT as per the following guidelines)

- 12. Title of the technology to be refined : ssuming the performance of Thorn less bamboo. Bamboo vulgar is (green)
- 13. Agro-Ecological Zone : Covery Delta Zone (Region – 18).
- 14. Production System : Wetland eco system.
- 15. Problem definition : The conventional bamboo species in Dendrocalamus striches (Sloid bamboo) and Bambusa bambus (hollow bamboo) management is difficult in large scales cultivation as & hence an alternate land use system. Hence Bambusa vulgaris (green) need to be assessed in Nagapattinam (Dt) as an alternate land use programme.
- 16. Problem Cause Diagram : Indiscriminate use/application of insecticides and chemical fertilizers lead to cause more shoot and fruit borer infestation.
- 17. Number of farmers and area affected in the operational villages : This species is newly introduced to Nagapattinam District.
- 18. Rationale for proposing the refinement : Currently the Brinjal crop is being infested with shoot and fruit borer and the damage ranged from 40 – 50%. Farmers are applying more and more chemical fertilizers and less of organic inputs which led to higher incidence of shoot and fruit borer. Most of the insecticide found not effective to control in time, besides causing resurgence of sucking pest(aphids, whitefly, and mealy beg). To overcome this problem suitable IPM strategy with bio intensive components to manage shoot and fruit borer is essential.

19. Technology options for refinement along with justification

Sl.No.	Technological Options	Details of Technology	Source of Technology	Justification
1.	Farmer’s Practice	Indiscriminate chemical insecticidel treatment.	Local distributors and retailers.	
2.	Technology Selected for Refinement	IPM with bio intensive components for shoot and fruit borer.	Tamil Nadu Agricultural University	Effective management of shoot and fruit borer and avoids resurgences of sucking pest.
3.	Technological Option 1	Existing IPM technology being recommended.	TNAU	For Refinement
4.	Technological Option 2			
5.	Technological Option 3			

- 20. Parameters to be measured in relation to the technology : (i) Estimation of shoot and fruit borer damage.
(ii) observation on sucking pest.
(iii) Yield parameters.

21. Details of farmers :

Sl.No.	Name of Village	Name of Farmer	Area(ha)
1.	Vellapallam	To be identified	½ ha
2.	North poigainallore	To be identified	½ ha
3.	Nangudi	To be identified	½ ha
4.	Vedranyam	To be identified	½ ha
5.			

22. Budget for Assessment

S. No	Critical inputs for technological options			
	Name	Qty.	Unit Cost	Total Cost
1	Seeds bio fertilizer,microbial insecticides, fungicides, pheromone traps, botanical etc.,		Rs.2500/-	Rs. 10000/-
2				
3				

PLAN OF ON FARM TESTING IN CASE REFINEMENT FOR 2008-09

(You are requested to prepare a detailed proposal for each OFT as per the following guidelines)

23. Title of the technology to be refined : Intoduction of pepper variety panniur 1 as inter crop of coconut gro-
Ecological Zone : Covery Delta Zone (Region – 18).
24. Production System : Irregated.
25. Problem definition : There is no spice crop for coconut as inter crop identified for this region.
26. Problem Cause Diagram : -
27. Number of farmers and area affected in the operational villages : Coconut growers will be benefited.
28. Rationale for proposing the refinement : Identify the suitable high value spice crop as inter crop. Hence this project is proposed
29. Technology options for refinement along with justification

Sl.No.	Technological Options	Details of Technology	Source of Technology	Justification
1.	Farmer's Practice	No intercrop practice with pepper.		
2.	Technology Selected for Refinement	Intercrop with pepper variety panniur 1.	TNAU	Since this is high value spice crop, this trial is proposed.
3.	Technological Option 1	-	-	-
4.	Technological Option 2	-	-	-
5.	Technological Option 3	-	-	-

Parameters to be measured in relation to the technology : (i) Yield.

30. Details of farmers :

Sl.No.	Name of Village	Name of Farmer	Area(ha)
1.	Phusppavanam	To be identified	25 trees/farmers
2.	Vellapalam	To be identified	25 trees/farmers
3.	P.R. Puram	To be identified	25 trees/farmers
4.			
5.			

31. Budget for Assessment

S. No	Critical inputs for technological options			
	Name	Qty.	Unit Cost	Total Cost
1	Pepper rooted cutings	25x3x6		Rs.2500/-
2				
3				

PLAN OF ON FARM TESTING IN CASE REFINEMENT FOR 2008-09

(You are requested to prepare a detailed proposal for each OFT as per the following guidelines)

32. Title of the technology to be refined : Assessing the performance of Elephant Yam
 33. Ecological Zone : Covery Delta Zone (Region – 18).
 34. Production System : Irrigated.
 35. Problem definition : The vegetables growers are not cultivating Elephant Yam. This is a new introduction.
 36. Problem Cause Diagram : -
 37. Number of farmers and area affected in the operational villages : Vegetable growers will be benefited.
 38. Rationale for proposing the refinement : Keeping quality for the Elephant Yam is good. Hence no storage facility is required.
 39. Technology options for refinement along with justification

Sl.No.	Technological Options	Details of Technology	Source of Technology	Justification
1.	Farmer's Practice	-	-	-
2.	Technology Selected for Refinement	-	-	-
3.	Technological Option 1	Introduction of Elephant Yam.	TNAU	More storage life. Hence this OFT is proposed.
4.	Technological Option 2	-	-	-
5.	Technological Option 3	-	-	-

40. Parameters to be measured in relation to the technology : (i) Yield and yield parameters.

41. Details of farmers :

Sl.No.	Name of Village	Name of Farmer	Area(ha)
1.	P.R. Puram	To be identified	5 cents/farmer
2.	North Poigainallur	To be identified	5 cents/farmer
3.			
4.			
5.			

42. Budget for Assessment

S. No	Critical inputs for technological options			
	Name	Qty.	Unit Cost	Total Cost
1	Elephant Yam - corms	300 Kg.		Rs.6000/-
2				
3				