

TAMIL NADU DR. J.JAYALALITHAA FISHERIES UNIVERSITY



ANNUAL REPORT 2018-19

(FOR THE PERIOD FROM APRIL 2018 TO MARCH 2019)



ICAR-KRISHI VIGYAN KENDRA SIKKAL-611 108 NAGAPATTINAM DT.

PROFORMA FOR PREPARATION OF ANNUAL REPORT (April 2018-March 2019)

APR SUMMARY

(Note: While preparing summary, please don't add or delete any row or columns)

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants	
Farmers & farm women	56	2157	1495	3652	
Rural youths	1	49	6	55	
Extension functionaries	8	251	71	322	
Sponsored Training	3	389	231	620	
Vocational Training	2	-	65	65	
Total	70	2846	1868	4714	

2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	-	-	-
Pulses including CFLD	110	44.0	-
Cereals	20	8.0	-
Vegetables	-	-	-
Other crops	10	4.0	-
Total	140	56.0	-
Livestock & Fisheries	5	-	300 quail
Other enterprises	-	-	-
Total	5	-	300
Grand Total	145	56.0	300

3. Technology Assessment & Refinement

Category	No. of Technology	No. of Trials	No. of Farmers	
Technology Assessed	Assessed & Kenned			
Crops	3	9	9	
Livestock(Cow and Poultry)	2	б	15	
Various enterprises(Fishery)	1	3	3	
Total	6	18	27	
Technology Refined				
Crops	-	-	-	
Livestock	-	-	-	
Various enterprises	-	-	-	
Total	-	-	-	
Grand Total	б	18	27	

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	313	7783
Other extension activities	55	-
Total		

5. Mobile Advisory Services

		Type of Messages						
Name of KVK	Message Type	Crop	Livestock	Weather	Marke ting	Aware ness	Other enterprise	Total
KVK-	Text only	74	-	6	8	4	3	95
Nagapattin	Voice only	5	-	-	-	-	-	5
am	Voice & Text both	-	-	-	-	-	-	-
	Total Messages	79	-	6	8	4	3	100
	Total farmers Benefitted							4094

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	15	45000
Planting material (No.)	6219	259580
Bio-Products (kg)	5712	98350
Livestock Production (No.)	-	-
Fishery production (Kg.)	471	18840

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	192	2500
Water	25	1350
Plant	-	-
Total	217	3850

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	3
2	Conferences	2
3	Meetings	-
4	Trainings for KVK officials	-
5	Visits of KVK officials	12
6	Book published	3
7	Training Manual	3
8	Book chapters	-
9	Research papers	-
10	Lead papers	-
11	Seminar papers	-
12	Extension folder	5
13	Proceedings	1
14	Award & recognition	5
15	Ongoing research projects	-

DETAIL REPORT OF ANNUAL PROGRESS REPORT 2018-19

1. GENERAL INFORMATION ABOUT THE KVK

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

Addunga	Telep	hone	E mail	
Address	Office	FAX		
ICAR-Krishi Vigyan Kendra				
Tamil Nadu Dr.J.Jayalalithaa Fisheries University Sikkal-611 108	04365-246266	04365-2462 66	kvksikkal@tnfu.ac.in	
Nagapattinam District.				

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

A ddmoss	Telep	hone	E moil	
Aduress	Office FAX		E man	
Tamil Nadu Dr.J.Jayalalithaa Fisheries University Vettar River View Campus,	04365-256244	04365-256433	vc@tnfu.ac.in	
Nagapattinam-611 002, Tamilnadu.				

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

Name	Telephone / Contact				
Dr A Gopalakannan	Residence	Mobile	Email		
Din Kööpululululu	-	8838882451	gopalakannan@tnfu.ac.in		

1.4. Year of sanction: 2004

1.5. Staff Position (as on 31th March, 2019)

Sl. No	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Dr. A. Gopalakannan	Programme Coordinator	Fisheries Biotechnology	37400+ 67000+ 9000	46400	04.03.19	Permanent	OBC
2	Subject Matter Specialist	Mr. E. Hino Fernando	SMS	Fisheries Extension	56100- 177500	56100	03.12.18	Permanent	OBC
3	Subject Matter Specialist	Dr. K. Chandrasekar	SMS	Agriculture Entomology	56100- 177500	56100	06.12.18	Permanent	OBC
4	Subject Matter Specialist	Dr. S. Muthukumar	SMS	Veterinary Science	56100- 177500	56100	28.12.18	Permanent	OBC
5 6 7	Subject Matter Specialist Subject Matter Specialist Subject Matter	-		Recruitm	ent is in pro	ogress			
8	Programme Assistant	Mr. V. Gnanabharathi	Programme Assistant (Technical)	Agriculture	35900- 113500	55800	05.06.07	Permanent	SC
9	Computer Programmer	Ms. G. Ramya	Programme Assistant (Computer)	Computer Application	35400- 112400	35400	07.12.18	Permanent	SC
10	Farm Manager	Mr. R. Vedharethinam	Farm Manager	Agronomy	35900- 113500	55800	04.06.07	Permanent	OBC

									-
11	Accountant /	Mr. S.	Assistant	Chemistry	20600-	26100	05.06.18	Permanent	SC
	Superintendent	Tamilselvan			65500				
12	Stenographer				Vacant				
13	Driver	Mr. S.	Driver	-	18500-	18500	07.12.18	Permanent	SC
		Prasanth			58600				
14	Driver	Mr. J.	Driver	-	18500-	58600	07.12.18	Permanent	OBC
		Sathishkumar			58600				
15	Supporting staff				Vacant				
16	Supporting staff	vacant							

1.6.Total land with KVK (in ha): 22.67

S. No.	Item	Area (ha)
1	Under Buildings	2.40
2.	Under Demonstration Units	3.17
3.	Under Crops	15.90
4.	Orchard/Agro-forestry	1.20
5.	Others (specify)	0.00

1.7. Infrastructural Development:A) Buildings

		Source	Stage						
		of		Complete			Incomplete		
S. No.	Name of building	funding	Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction (Completed/ in progress/ to be initiated)	
1.	Administrative Building	ICAR	02/03/2009	548	41.65	-	-	-	
2.	Farmers Hostel	ICAR	09.03.2009	300	26.38	-	-	-	
3.	Staff Quarters (No.)	ICAR	19.03.2009	400	33.30	-	-	-	
4.	Demonstration Units –Quail rearing	ICAR	24.03.2019	-	-	-	-	-	
5	Poultry Rearing	ICAR	24.03.2019	-	-	-	-	-	
6	Fodder Bank	ICAR	24.03.2019	-	-	-	-	-	
7	IFS unit	ICAR	24.03.2019	-	-	-	-	-	
8	Aquaponics Units	NFDB	16.04.2019	200		-	-	-	
9	Fencing	ICAR	16.04.2013	470 m	5.00	-	-	-	
10	Rain Water harvesting system	State Govt.	16.03.2007	2400	0.80	-	-	-	
11	Threshing floor	ICAR	21.01.2014	213	3.00	-	-	-	
12	Farm godown	-	-	-	-	-	-	-	
13	Shed (Farm equipment)	ICAR	16.04.2013	37.20	3.00	-	-	-	

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Four Wheeler Bolero Jeep	2017	8,34,445	9775	Good Condition
Two Wheeler (TVS – Star city)	2006	39,641	88928	Good condition
Two Wheeler (Suziki Access 125)	2009	49,651	61375	Good condition
Tractor	2005	345607	2745.0 hr	Good condition

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
HCL Computer with printer	2011	37600	Good Condition
Data processing system (one desktop, HP Colour printer)	2012	90000	Good Condition
COMPAQ-Laptop	2007	49400	Good Condition
Hp laser printer-1010	2007	8800	Good Condition
Printer -HP- Colour Inkjet printer 3920	2006	2600	Repaired Condition
SAMSUNG SCX4521-F fax cum printer	2009	14400	Good Condition
Printer -HP-Laser jet 1020 plus	2012	6450	Good Condition
LCD projector SANYO- PLC XW 55	2007	53500	Repaired Condition
LCD projector SANYO- PLC XW 55	2007	53500	Good Condition
Scanner -UMAX ASTRA 4100	2005	7150	Repaired Condition
Mini lab- Soil Testing Kit	2016	75000	Good Condition
SLR Digital camera	2016	40000	Good Condition
Office Automation-Equipment	2017	300000	Good Condition

1.8. A). Details SAC meeting* conducted in the year

Proceedings of the 7th Scientific Advisory Committee meeting of KVK, Sikkal, Nagapattinam

Seventh Scientific Advisory committee meeting of the KVK, Sikkal was conducted on 25.3.2019 at the KVK, Sikkal, Nagapattinam. The meeting started with prayer. The Member Secretary of SAC and Programme Coordinator of KVK Dr. A. Gopalakannan, welcomed the participants. Dr. R. Jayaraman, Director of Extension Education incharge, TamilnaduDr.J.Jayalalithaa Fisheries University (TNJFU), Nagapattinam presented the concept note. The meeting was conducted under the chairmanship Prof. S.Felix, Vice Chancellor, Tamil Nadu Dr.J.Jayalalithaa Fisheries University, Nagapattinam. In his presidential address,he expressed his happiness in bringing this KVK under the administrative control of Tamil Nadu Dr.J.Jayalalithaa Fisheries University, Nagapattinam with effect from 1.4.2018. . Earlier it was functioning under the administrative control of the Tamil Nadu Agricultural University, Coimbatore from 2004 onwards.

Prof.S.Felix, Chairman, Scientific Advisory Committee (SAC) stated that, it is necessary to develop farm specific/location specific technologies through scientific approach for the farming community. He observed that the KVK is located in a coastal district and hence fisheries and fish production and fish product preparation technologies need to be transferred to the farmers as part of Integrated Farming System. However, the Annual Action Plan of the KVK will address all the necessary Crops, Animal husbandry and other allied sectors followed in the district. He said that the University is taking necessary steps in making this KVK as model KVK in the State.

Dr.V.Ambedgar, Director, Tamil Nadu Rice Research Institute, TamilNadu Agricultural University, Aduthuraiwas the chief guest of the SAC. He briefed the farmers on the various agricultural activities being carried out in the delta region and suitable methods for improving the income of the farmers. Dr. M.Nagarajan, Principal Scientist and Officer-in-charge, Rice Breeding and Genetics Research Centre(IARI), Aduthurai suggested some district specific saline tolerant rice varieties for cultivation in salt affected areas. The Programme Coordinator presented the action taken report on the recommendations of the last SAC meeting. Subject Matter Specialists Dr. K.Chandrasekar (Agricultural Entomology), Dr. S. Muthukumar (Animal Husbandry) and E. Hino Fernando, (Fisheries Extension) presented their Salient technical achievements on OFTs, FLDs and Extension activities of current year and Annual Action Plan report for forthcoming year 2019-20. Members of the scientific advisory committee from various line departments and non official farmer members participated, they identified the problems in Agriculture and allied activities and gave their suggestions for including them in the action plan. The meeting ended with a vote of thanks by Dr. K. Chandrasekar, SMS(Agri. Entomology).

List of Participants attended in the 7th SAC:

1. Tamili Nadu Dr.J.JayalalithaaFisheries University, Nagapattinam. Chairman 2. Programme Coordinator, ICAR-Krishi Vigyan Kendra, Sikkal, Nagapattinam Dt. Member Secretary 3. Dr. V. Ambethgar, Director, Tamili Nadu Rice Research Institute, Aduthurai. Member 4. Tamili Nadu Dr.J.ayalalithaa Fisheries University, Nagapattinam Member 5. Rice Breeding and Genetics Research Centre of Indian Agricultural Research Institute, Aduthurai Member 6. Deputy Director of Agriculture, Nagapattinam Dt. Member 7. Nagapattinam Dt. Member 6. Deputy Director of Agriculture, Nagapattinam Dt. Member 7. Department of Agriculture, Nagapattinam Dt. Member 8. Veterinary University Training and Research Centre, Nagapattinam Dt. Member 9. Deputy Director of Agricultural Marketing and Agri. Business, Nagapattinam Dt. Member 9. Deputy Director of Agricultural Marketing and Research Centre, Nagapattinam Dt. Member 9. Deputy Director of Agricultural Marketing and Research Centre, Nagapattinam Dt. Member 10. Diricti Clovelopment Manager, NABARAD, Nagapattinam Dt. Member 11. Derest Agapattinam Dt. Member 12. Forest Ranger, Orest Ranger, Alt Janager, NABARAD, Nagapattinam Member 13.<		Prof.S.Felix,	
1 Tamil Nado Dr.J. JayalalithaaFisheries University, Chainhai 2 Dr.A. Gopalakannan, Member Scoretary 2 ICAR. Krishi Vigyan Kendra, Member Scoretary 3 Tamil Nada Rice Research Institute, Member 4 Director, Member 5 Rice Research Institute, Member 6 Aduthurai. Member 7 Tamil Nada Rice Research Institute, Member 7 Tamil Nada Dr.J. Jayalalithaa Fisheries University, Member 8 Nercetor of Extension Education i/c, Member 9 Dr.M. Nagarajan, Member 9 Dr.M. Nagarajan, Member 9 Nergupt Director of Agriculture, Member 9 Mr.K. Sivakumar, Member 6 Departurent of Agriculture, Member 9 Department of Agricultural Marketing and Agri. Business, Member 9 Department of Agricultural Marketing and Agri. Business, Member 9 Department of Agricultural Marketing and Research Centre, Member 9 Department of Animal Husbandry, Member 10 Nagapattinam Dt. Member 10 District Development Manager, Member 11 <	1	Vice Chancellor,	Chairman
Nagapattinam. Programme Coordinator. 2 Dr.A. Gopalakannan, Programme Coordinator. Member Secretary 2 Dr.V. Ambethgar, 3 Director, 7 Tamil Nadu Rice Research Institute, Aduthurai. Member Director, Member 1 Director, Tamil Nadu Rice Research Institute, Member Aduthurai. Member Director of Extension Education i/c, Member Tamil Nadu D.Jayalalithaa Fisheries University, Member Nagarajan, Principal Scientist and Officer in charge, S. Rice Breeding and Genetics Research Centre of Indian Member Aduthurai Member Member Mr.K. Sivakumar, Member Nagapattinam Dt. Mr. V. Krishnamoorthy, Nember Negapattinam Dt. N. C.Suresh, Asst. Professor and Head, Weeterinary University Training and Research Centre, Nagapattinam Dt. Mr.B. Arabutara, Member Nagapattinam Dt. Member Nagapattinam Dt. 0. District Development Manager, Member <td< td=""><td>1.</td><td>Tamil Nadu Dr.J.JayalalithaaFisheries University,</td><td>Chairman</td></td<>	1.	Tamil Nadu Dr.J.JayalalithaaFisheries University,	Chairman
Dr.A. Gopalakannan, Member Secretary 2 Programme Coordinator, ICAR-Krishi Vigyan Kendra, Sikkal, Nagapattinam Dt. Member Secretary 3 Tamil Nadu Rice Research Institute, Aduthurai. Member 4 Director, Aduthurai. Member 5 Tamil Nadu Dr.J. Jayalalithaa Fisheries University, Nagapattinam Member 6 Dr.M.Nagarajan, Principal Scientist and Officer in charge, Steinet Research Institute, Aduthurai Member 7 Berding and Genetics Research Centre of Indian Agricultural Research Institute, Aduthurai Member 6 Brecoling and Genetics Research Centre of Indian Agricultural Research Institute, Aduthurai Member 7 Department of Agriculture, Nagapattinam Dt. Member 8 Asst. Professor and Head, Veterinary University Training and Research Centre, Nagapattinam Dt. Member 9 Deputy Director, Department of Agricultural Husbandry, Nagapattinam Dt. Member 9 Deputy Director, Department of Agricultural Husbandry, Nagapattinam Dt. Member 10 Mr.R.Danodaran, District Development Manager, NABARAD, Nagapattinam Dt. Member 11 General Manager, District Industries Centre, Nagapattinam Member 12 Forest Department, Nagapattinam Member 13 Farm Radio, Officer, All India Radio, Karanakkal Member 14		Nagapattinam.	
2 Programme Coordinator, Sikkal, Nagapattinam Dt. Member Secretary 3 Dir. V. Ambethgar, Dr. V. Ambethgar, Member 4 Dr. R. Jayaraman, Dir. R. Jayaraman, Dir. R. Jayaraman, Dir. R. Jayaraman, Dir. R. Jayaraman, Dir. R. Jayaraman, Dir. M. Nagarajan, Principal Scientist and Officer in charge, Rice Breeding and Genetics Research Centre of Indian Agricultural Research Institute, Aduthurai Member 6 Deputy Director of Agriculture, Nagapatinam Dt. Member 7 Deputy Director of Agriculture, Nagapatinam Dt. Member 7 Department of Agriculture, Nagapatinam Dt. Member 8 Veterinary University Training and Research Centre, Nagapatinam Dt. Member 9 Deputy Director, Nagapatinam Dt. Member 10 NABARAD, Nagapatinam Dt. Member 11 General Manager, District Industries Centre, Nagapattinam Member 12 Forest Ranger, Forest Department, Naga		Dr.A.Gopalakannan,	
* ICAR-Krishi Vigyan Kendra, Intermet Sectuary Sikkal, Nagapattinam Dt. Dr. V. Ambethgar, Member 3 Tamil Nadu Rice Research Institute, Aduthurai. 4. Director of Extension Education i/c, Member 7 Tamil Nadu Dr. Jayalalithaa Fisheries University, Magapatinam 9 Dr. M. Nagarajian, Member 10 Printipal Scientist and Officer in charge, Sicker Sector of Extension Education i/c, 11 Reined Sector of Agriculture, Member 12 Agricultural Research Institute, Aduthurai 13 Mr. K. Sivakumar, Member 14 Mr. K. Sivakumar, Member 15 Rice Breeding and Genetics Research Centre of Indian Member 16 Deputy Director of Agriculture, Member 17 Department of Agricultural Marketing and Agri. Business, Member 18 Asst. Professor and Head, Veterinary University Training and Research Centre, Member 19 Departiment of Animal Husbandry, Member 10 NASampath, Member 11 General Manager, Member 12 Forest Department, Nagapattinam Member 13 All India Radio, Member 1	2	Programme Coordinator,	Member Secretary
Sikkal, Nagapatinam Dt. Dr. V. Ambethgar, 3 Director, Tamil Nadu Rice Research Institute, Member Aduthurai. Dr. R. Jayaraman, Director of Extension Education i/c, Member Tamil Nadu Dr. Jayalalithaa Fisheries University, Member Nagapatinam Principal Scientist and Officer in charge, Member Adrithurai Member Agricultural Research Institute, Aduthurai Member Member Agricultural Research Institute, Aduthurai Member Agricultural Research Institute, Member Member Agricultural Research Institute, Member Member Nagapatinam Dt. Member Member Dr. K. Sivakumar, Member Member Nagapatinam Dt. Member Member Dr. C. Suresh, Asst. Professor and Head, Wetterinary University Training and Research Centre, Member Nagapatinam Dt. Dr. M. Sampath, Member Member 9. Deputy Director, Member Member Nagapatinam Dt. Member Nagapatinanon Member	2	ICAR-Krishi Vigyan Kendra,	Weinber Secretary
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Nagapatinam Member Dr.M.Nagarajan, Principal Scientist and Officer in charge, S. Rice Breeding and Genetics Research Centre of Indian Agricultural Research Institute, Aduthurai Aduthurai Mr.K.Sivakumar, 6. Deputy Director of Agriculture, Member Nagapattinam Dt. Mr.V.Krishnamoorthy, 7. Department of Agricultural Marketing and Agri. Business, Member Nagapattinam Dt. Dr.C.Suresh, 8. Asst. Professor and Head, Wember Veterinary University Training and Research Centre, Member Nagapattinam Dt. Dr.M.Sampath, 9. Deputy Director, Member 10. NABARAD, Member Nagapattinam Dt. Mr.B.Prabaharan, Member 10. NABARAD, Member Nagapattinam Dt. Member Nagapattinam 11. General Manager, Member Nagapattinam Member Nagapattinam 12. Forest Ranger, Member 13. Farm Radio Officer, Member 14. Junior Engineering	т.	Tamil Nadu Dr.J.Jayalalithaa Fisheries University,	Weinber
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12. Forest Ranger, Member Forest Department, Nagapattinam. Mr.R.Venkateshwaran, 13. Mr.R.Venkateshwaran, Farm Radio Officer, Member All India Radio, Karaikkal 14. Junior Engineer, Agricultural Engineering Department, Nagapattinam Member 15. Mrs.S.Shanthi, 15. Sericulture Department,	12	Forest Ranger	Member
13. Mr.R.Venkateshwaran, Farm Radio Officer, Member All India Radio, Member Karaikkal Mr.A.Alavudeen, 14. Junior Engineer, Agricultural Engineering Department, Nagapattinam Member 15. Mrs.S.Shanthi, Nagapattinam. Member	12.	Forest Department Nagapattinam	Wember
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14. Mr.A.Alavudeen, 14. Junior Engineer, Agricultural Engineering Department, Nagapattinam 15. Mrs.S.Shanthi, Sericulture Department, Member	13.	All India Radio	Member
14. Mr.A.Alavudeen, 14. Junior Engineer, Agricultural Engineering Department, Nagapattinam Member 15. Mrs.S.Shanthi, Asst. Inspector, Member Sericulture Department, Member		Karaikkal	
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11. Oranici Lingineering Department, Nagapattinam Interference 15. Mrs.S.Shanthi, Asst. Inspector, Sericulture Department, Nagapattinam. Member	14	Junior Engineer	Member
15. Mrs.S.Shanthi, Asst. Inspector, Sericulture Department, Nagapattinam. Member		Agricultural Engineering Department, Nagapattinam	
15. Asst. Inspector, Sericulture Department, Nagapattinam.		Mrs.S.Shanthi	
15. Sericulture Department, Member		Asst. Inspector.	
Nagapattinam.	15.	Sericulture Department,	Member
		Nagapattinam.	

	Mr.G.Jeevanatham,		
	Nangudi,		
16.	Agarakadambanur-Post,	Non Official member	
	Kilvelur-Tk,		
	Nagapattinam Dt-611 104		
	Mr.P.Packirisamy (Small farmer),		
17	S/O. Pethan,	Non Official mombar	
17.	TheppaMudhaliyar Street,	Non Official member	
	Sikkavalam, Puliyur		
	Mrs.M.TajeeNisha, (Women farmer)		
18	6/103, Pallivasal Street,	Non Official member	
10.	Manjakkollai,	Non Official member	
	Nagapattinam		
	Mrs.A.Ramya,		
10	1/319, PerumalKoil Street,	Non Official member	
1).	Villanagar, Arupathi,		
	Sembanarkoil Block		
	Mr. K.Mariyappan (Agri Entrepreneur)		
	Manmathankoil Street,		
20.	Koilpathu East,	Non Official member	
	Vedharanyam Taluk,		
	Nagapattinam Dt.		
	Mr.G.Mohanraj,		
21	Sangamangalam,	Other Invitee	
21	Sikkal-Post.	ouler mynee	
	Nagapattinam Dt.		
	Dr.M.Raju,		
22	Associate Professor,	Special Invitee	
	Tamil Nadu Rice Research Institute,	Special Invited	
	Aduthurai		
	Mr.Arunagiri		
23	Vellapallam	Other invitee	
23	Thalainayar Block,	Other mynee	
	Vetharanyam- Taluk		
	Mr.N.Senguttuvan,		
24	Vellapallam	Other invites	
24	Thalainayar Block,	Other mynee	
	Vetharanyam- Taluk		
	Mrs.S.SarithaSenthilkumar		
25	No.529, Mahalakshmi Nagar,	Other invitee	
	Nagappattinam		

Recommendations of the 7th SAC meeting:

Sl. No.	Recommendations	Proposed by
1.	All Cropping pattern following in Nagapattinam district needs to be cultivated in KVK farm	Dr.S.Felix,
2.	Allocation of lands in KVK farm for Coconut nursery development needs to be done with the help of Department of Agriculture/Coconut Development Board	Vice Chancellor, TamilNadu Dr.J.Jayalalithaa Fisheries University,
3.	Weekly once technologies should be broadcasted through AIR, Karaikkal.	Nagapattinam.
4.	Awareness on Excavation of farm Ponds for rain water harvesting and the water from farm pond may be utilized last 2 irrigations for paddy cultivation needs to be given	Dr.V.Ambethgar, Director, Tamil Nadu Rice Research Institute, Aduthurai.

5.	Suitable Saline tolerant rice variety needs to be assessed	Dr.M.Nagarajan, Principal Scientist and Officer in charge, Rice Breeding and Genetics Research Centre(IARI), Aduthurai.	
6.	Poly House and Green House technologies for protective cultivation of vegetables needs to be popularized	Dr.M.Nagarajan, Principal Scientist and Officer in charge, RBGRC-IARI, Aduthurai	
7.	Based on district specific, Multi Cropping technologies like Bhendi-Maize-Black gram needs to be popularized		
8.	On Farm Testing on Saline tolerant rice variety with use of CR1009, TRY 3 and Nunish 9 needs to be conducted	Dr.M.Raju, Associate Professor, Tamil Nadu Rice Research Institute	
9.	Newly released Short duration Rice variety ADT 53 needs to be demonstrated	Aduthurai	
10.	Newly released Pulses variety -Black Gram ADT 6 under rice fallow as well as irrigated condition needs to be demonstrated		
11	Every Wednesday technologies to be broadcasted through AIR, Karaikal needs to be followed	Mr.R.Venkateshwaran, Farm Radio Officer, All India Radio, Karaikkal.	
11.	Incubator for hatchery of poultry needs to be set up in KVK	Mr.G.Jeevanatham, (Big farmer), Nangudi, Agarakadambanur-Post, Kilvelur-Tk, Nagapattinam Dt-611 104	
12.	Demonstration of small Onion cultivation at coastal area needs to be popularized	Mr.Arunagiri Vellapallam Thalainayar Block, Vetharanyam- Taluk	
13.	More numbers of IFS unit at farmers field needs to be demonstrated.	Mr.N.Senguttuvan, Vellapallam Thalainayar Block, Vetharanyam- Taluk	

2. DETAILS OF DISTRICT (2018-19)

- 2.0. Operational jurisdiction of KVKs (Andhra Pradesh & Telangana only) / Give names of districts & Tehsils: Nil
- 2.1. Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprises
1.	Rice – Rice – Rice fallow Pulses
2.	Rice – Rice fallow Pulses/Cotton
3.	Rice – Rice – Groundnut / Sesame
4.	Rice – Rice – Sugarcane (3 years rotation)
5.	Rice – vegetables / flower crops
6	Livestock
7	Poultry
8	Fisheries

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

S. No	Agro-climatic Zone	Characteristics		
1	Cauvery Delta Zone	Nagapattinam is a coastal district of Tamil Nadu, lies between 100 80' and 110 28'		
		in North Latitude and 760 34' and 750 53' in East Longitude. It is bounded on the		
		North by Cuddalore, South by Palk Strait, West by Tiruvarur and on the East by Bay		
		of Bengal		
S. No	Agro ecological situation	Characteristics		
1	Coastal Eco system	Nagapattinam is categorized as agro-ecological region 18, representing the Coastal		
		eco-system-Eastern coastal plain, hot sub-humid to semi-arid eco-system with a		
		growing period of 90 to 210 days		

2.3 Soil types

S. No	Soil type	Characteristics	Area in ha
1.	Clay loam	High WHC	98,000
2.	Clay sandy loam	Medium WHC	55,000
3.	Sandy soil	Low WHC	35,000
		Total	1, 88,000

2.4. Area, Production and Productivity of major crops cultivated in the district for 2018-19

Сгор	Area (ha)	Production (MT)	Productivity (Kg/ha)
Rice	164436	506353	4031
Black gram	43030	0.2395	549
Green Gram	44299	0.2347	538
Sugarcane	2712	2.02	75000
Ground Nut	1479	0.04349	3000
Sesame	37	0.000188	500
Coconut	4001	6.01 Lakh nuts	150 Nuts/tree/year

Horticulture crops:

S. No	Сгор	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1	Vegetables	510.21	8943.98	17530
2	Cashew	1738	547.47	315
3	Mango	3165	2532	800
4	Banana	535	21400	40000
5	Flowers	353	2824	8000

2.5. Weather data :

Month	Rainfall (mm)	Temperat	ure ⁰ C	Relative Humidity (%)
		Maximum	Minimum	
April 2018	69.6	-	-	-
May 2018	-	-	-	-
June 2018	5.8	-	-	-
July 2018	0.2	-	-	-
August 2018	49.5	-	-	-
September 2018	40.1	-	-	-
October 2018	249.6	-	-	-
November 2018	649.3	-	-	-
December 2018	66.0	-	-	-
January 2019	-	-	-	-

February 2019	1.0	-	-	-
March 2019	3.5	-	-	-
Total	1134.6	-	-	-

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

Category	Population (Numbers)	Production (Numbers)	Productivity
Cow -Crossbred	233346	-	-
Cow- Indigenous 60621		-	-
Buffalo-Crossbred 7217		-	-
Sheep- Indigenous	9133	-	-
Goats- Crossbred	12450	-	-
Goats- Indigenous	451264	-	-
Pigs-Crossbred	1153	-	-
Pigs - Indigenous	1236	-	-
Poultry-Hens- Desi Egg	279817	-	-
Poultry-Hens- Desi- Meat	8837	-	-
Poultry -Hens- Ducks Eggs 4568		-	-
Turkey and others	458	-	-

Fisheries	Area	Production (Kg.)	Productivity	
Fish-Marine	-	-	-	
Fish –Inland	230.02	1012.37	-	
Prawn	1541.84	7955.83	-	

2.7 Details of Adopted Villages (2018-19)

			/							
Sl.No.	Taluk/ mandal	Name of the block	Name of the village	Year of adoption	Major crops & enterprises	Major problem identified	Identified Thrust Areas			
KVK a	KVK adopted villages									
1	Vetharanyam	Thalainayar	Marachery	2017-18	Rice, Pulses and Tree crops	Yield reduction due to saline problem(EC - more than 2 dS/m). Use of Saline water for irrigation.	Increasing the productivity of Rice Maximizing the yield in vegetable crops INM and IPDM for Rice, Vegetables and Coconut. Crop diversification. Production enhancement in coconut. Value addition in Vegetables and Fruits			
2	Nagapattinam	Nagapattinam	Sangamangalam	2017-18	Rice, Pulses and Cattle	Lack of eco friendly IPDM practices for rice Non adoption of traditional rice varieties.	Increasing the productivity of Rice and Pulses. INM and IPDM for Rice. Crop diversification Ecological Pest			

11

							12
						High demand for organically grown traditional rice variety. Unaware of Gift Tilapia fish culture. Low milk yield for local breed.	management in rice. Animal husbandry and Fish production
3	Vetharanyam	Thalainayar	Vellappallam	2017-18	Vegetables, Coconut, Ground Nut and Flowers	Lack of knowledge on improved vegetable cultivation. Yield reduction due to existing local variety Yield reduction due to Pest problem in vegetables.	Maximizing the yield in vegetable and Groundnut crops INM and IPDM for Vegetables and Coconut. Crop diversification. Production enhancement in coconut IPDM in Flowers.
4	Kilvelur	Kilvelur	Agarakadambanur	2006-07	Rice, Pulses, Vegetable, Fisheries, goat and poultry	Non adoption of traditional rice varieties High demand for organically grown traditional rice variety. Lack of fish production technologies	Eco friendly ICM and IPDM in rice. Inland composite fish production.
5	Tranquebar	Sembanarkoil	Arupathi	2018-19	Rice, Pulses and cotton	Lack of eco friendly IPDM for cotton.	ICM and IPDM for Cotton
DFI vil	lages						
1	Kilvelur	Kilvelur	Agarakadambanur	2018-19	Rice, Pulses, Vegetable, Fisheries, goat and poultry	Non adoption of traditional rice varieties High demand for organically grown traditional rice variety. Lack of fish production technologies	Eco friendly ICM and IPDM in rice. Inland composite fish production.

2.8 **Priority/thrust areas**

S. No	Crop/Enterprise	Thrust Area
1.	Rice, Pulses	INM and IPDM for Rice, Increasing the productivity of Rice and Pulses.
		Ecological Pest management in rice
2.	Vegetable crops	INM and IPDM for vegetable crops and yield maximization
3.	Mango and Coconut	INM and IPDM for Mango and Coconut
4.	Cotton	ICM and IPDM for yield maximization
5	Agro-forestry	Agro Forestry system
6	Fisheries	Fish culture

7	Livestock Production	Livestock production under IFS
8	Fish, Milk, Vegetable and Fruits	Value addition

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2.9 Salient Achievements of (April 2018-March, 2019) (Mandated activities/ Projects)

S.No	Activity	Target	Achievement
1.	Technologies Assessed and refined(No.)	-	-
2.	On-farm trials conducted (No.)	6	6
3.	Frontline demonstrations conducted (No.)	12	7
4.	Farmers trained (in Lakh)	0.01200	0.04392
5.	Extension Personnel trained (No.)	210	322
6.	Participants in extension activities (in Lakh)	0.06740	0.05258
7.	Production of Seed (in Quintal)	400	15.0
8.	Planting material produced (in Lakh)	0.15900	0.01219
9.	Live-stock strains and finger lings produced (in Lakh)	-	-
10.	Soil, Water, plant, manures samples tested (in Lakh)	0.00500	0.00232
11.	Mobile agro-advisory provided to farmers (in Lakh)	0.04000	0.04000
12.	No.of Soil Health Cards issued by Mini Soil Testing Kits (No.)	500	232
13.	No. of Soil Health Cards issued by Traditional Laboratory (No.)	-	-
14.	Bio-Products(Kg)	18000	5712

Give Salient Achievements by KVK during the year in bullet points:

- Gram Swaraj Abhiyan
- Pre season Agriculture Seminar
- World Environment Day
- Webcasting of Hon'ble Prime Minister Interaction with Farmers and Pre Kharif Awareness cum Training Programme
- 5.National Fish Farmers Day
- Training on Preparation of Value Added Fish Products and Webcasting of Hon'ble Prime Minister Interaction with SHG members and Women Group
- Training on Identification and Management of Spiraling White Fly in Coconut and Banana to the Extension Officials
- Celebration of Mahila Kisan Diwas
- Capacity Building Training to SHGs Women Trainers on Integrated Crop Management for Agricultural Crops
- Pre Rabi Campaign-One Day Awareness Programme and World Soil Day
- Pre Action Plan Meeting for 2019-20
- Webcasting of Inauguration of Prime Minister Kisan Samman Nidhi Yojana
- Training on Integrated Farming System
- Celebration of International Women's Day
- Scientific Advisory Committee Meeting

<u>3. TECHNICAL ACHIEVEMENTS</u>

3.A. Details of target and achievements of mandatory activities by KVK during 2018-19

OFT (Technology Assessment)				FLD (crop/enterprise/CFLDs)			
1				2			
Number of technologies		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets Achievement		Targets	Achievement
6	6	33	27	73.6	56	198	147

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)				Extension Activities				
3					4			
Num	ber of Cours	es	Num	ber of	Number of activities		Number of participants	
			Parti	cipants				
Clientele	Targets	Achievement	Targets Achieve		Targets	Achieve	Targets	Achievemen
ment					ment		t	

Farmers	-	2	-	100	-	2	-	100
Rural youth	-	-	-	-	-	-	-	-
Extn.	-	-	-	-	-	-	-	-
Functionaries								

	Seed Production (Qtl.)	Planting material (Nos.)			
	5					
Target	Achievement	Distributed to no. of farmers	Target	Target Achievement Distrib		
400	15.0	10	15900	80		

3.B. TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various CropS by KVKs

Thematic areas	Сгор	Name of the technology assessed	Source of technology with year	No. of trials	No. of farmers
Integrated Nutrient Management	-	-	-	-	-
Varietal Evaluation	Ground nut	Assessment of drought tolerant groundnut varieties under rain fed condition	TNAU 2010 and ANGRAU 2012	5	5
	Vegetable	Assessment of Dolichos Bean varieties (Bush Type) suitable for Nagapattinam district.	TNAU 2007 and IIHR 2007	5	5
Integrated Pest Management	Vegetable	Assessment of suitable pest tolerant Tomato hybrids for Nagapattinam Dt.	TNAU 2013 and IIHR 2012	5	5
		Total	l	15	15

Summary of technologies assessed under livestock by KVKs

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	Source of technology with year	No. of trials	No. of farmers
Disease Management	-	-		-	-
Evaluation of Breeds	Poultry	Production Performance of different poultry breed under Back yard	DOPR 2012	3	3
Feed and Fodder management	-	-			-
Nutrition Management	-	-			-
Production and Management	Cattle	Role of Ovisynch and TANUVAS mineral mixture on fertility management	TANUVAS	3	12
Others (Pl. specify)	-	-		-	-
		Total		6	15

Summary of technologies assessed under various enterprises by KVKs :

Thematic areas	Enterprise	Name of the technology assessed	Source of technology with year	No. of trials	No. of farmers
Production and Management	Fisheries	Assessment of GIFT Tilapia culture in farm ponds	TNJFU	3	3
			Total	3	3

3.C. TECHNOLOGY ASSESSMENT IN DETAIL

OFT 1: Assessment of drought tolerant groundnut varieties under rainfed condition.

- 1. Thematic area: Integrated Crop Management
- 2. Title: Assessment of drought tolerant groundnut varieties under rainfed condition
- 3. Scientists involved: Dr.K. Chandrasekar

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4. Details of farming situation: Describe the farming situation including Season, Farming situation (RF/Irrigated), Soil type, fertility Status, Seasonal rainfall (mm) No. of rainy days etc (about 500 words)

5. Problem definition / discription: (one paragraph)

Low yield of existing ground nut variety under rainfed condition

6. Technology Assessed: (give full details of technology as well as farmers practice)

TO 1- Farmer's practice

TO 2 – CO 7

TO3- Kadiri 9

7. Critical inputs given: (along with quantity as well as value)

Seeds- CO7-Rs. 9100/-

Seeds- Kadhiri 9- Rs 16297/-

8. Results:

Crop is Flowering stage-Trail is under progress

Performance of the technology

Technology Option	No.of trials	Yield (t/ha)	Net Returns (Rs. in lakh./ha)	B:C ratio	Data on Other performance indicators*
Farmers Practice					
Technology 1(Mention details)	5				
Technology 2(Mention details)					
Technology 3(Mention details)					

Description of the results: (one page) in addition you can use graphs also

Constraints faced:

9. Feed back of the farmers involved: Trial is under progress

10. Feed back to the scientist who developed the technology: Trial is under progress

OFT 2: Assessment of Dolichos Bean varieties (Bush Type) suitable for Nagapattinam district

1. Thematic area: Integrated Crop Management

2. Title: Assessment of Dolichos Bean varieties (Bush Type) suitable for Nagapattinam district

3. Scientists involved: Dr. Chandrasekar

4. Details of farming situation: Describe the farming situation including Season, Farming situation (RF/Irrigated), Soil type,

fertility Status, Seasonal rainfall (mm) No. of rainy days etc (about 500 words)

5. Problem definition / discription: (one paragraph)

- Higher cost of construction of bower for the cultivation of pandal type.
- Unawareness on cultivating bush type varieties.

6. Technology Assessed: (give full details of technology as well as farmers practice)

TO1 - Famers Practice-

TO2- COGB-14

TO3 - Arka Jay

7. Critical inputs given: (along with quantity as well as value)

Seeds- CO(GB) 14 Rs 4230/-

Seed Arka Jay- Rs. 3300/-

8. Results: Vegetative stage-Trail is under progress

Performance of the technology

Technology Option	No. of trials	Yield (t/ha)	Net Returns (Rs. in lakh./ha)	B:C ratio	Data on Other performance indicators*
Farmers Practice					
Technology 1(Mention details)	2.0				
Technology 2(Mention details)	2.0				
Technology 3(Mention details)					

Description of the results: (one page) in addition you can use graphs also

Constraints faced:

9. Feed back of the farmers involved:

10. Feed back to the scientist who developed the technology:

OFT 3: Assessment of suitable pest tolerant tomato hybrids for Nagapattinam Dt.

- 1. Thematic area: Integrated Crop Management
- 2. Title: Assessment of suitable pest tolerant tomato hybrids for Nagapattinam Dt.
- 3. Scientists involved Mrs. D. Indhumathi, SMS (Agri. Entomology)
- 4. Details of farming situation: Describe the farming situation including Season, Farming situation (RF/Irrigated), Soil type, fertility Status, Seasonal rainfall (mm) No. of rainy days etc (about 500 words)

5. Problem definition / discription: (one paragraph)

- Low yield of pulp content in existing variety
- Lack of technical knowledge in preparation of tomato products

6. Technology Assessed: (give full details of technology as well as farmers practice)

- TO1:Farmers Practice
- TO2:COTH 3 -
- TO3- Arka Rakshak-

7. Critical inputs given: (along with quantity as well as value)

- TO2: COTH 3
- TO3- Arka Rakshak- Rs 1500
- 8. Results: Trail affected due to Gaja Cyclone

Table : Performance of the technology

Technology Option	No.of trials	Yield (t/ha)	Net Returns (Rs. in lakh./ha)	B:C ratio	Data on Other performance indicators*
Farmers Practice					
Technology 1(Mention details)	_	Trails	are fully affected due	e to Gaia Cvo	lone during
Technology 2(Mention details)	5	November 2018			
Technology 3(Mention details)					

Description of the results: (one page) in addition you can use graphs also

Constraints faced: nil

9. Feed back of the farmers involved:

10. Feed back to the scientist who developed the technology:

OFT4: Assessment of Production Performance of different poultry breed under Back yard

- 1. Thematic area: livestock Enterprises
- 2. Title: Assessment of Production Performance of different poultry breed under Back yard system
- 3. Scientists involved: Dr. S. Muthukumar

4. Details of farming situation: Nil

5. Problem definition / description: (one paragraph)

- Low weight gain of bird
- Lack of awareness of Desi bird rearing.
- Low income of rural youth entrepreneurs.

6. Technology Assessed: (give full details of technology as well as farmers practice)

- Technology 1: Native chicken
- Technology 2: Vanaraja breed
- Technology : Giriraja breed

7. Critical inputs given: (along with quantity as well as value)

- Cost day old chicks (60 nos.) : Rs. 3600/-
- Cost of vaccine : Rs. 200/-
- Cost of Feed (60 X 4kg X Rs.30) : Rs.7200/-
- Cost of Feeder & Drinker : Rs. 400/-
 - Cost of Brooder : Rs.3000/-

Cost of Trial: Rs. 14,400

8. Results:

As on today Vanaraja breed were heavier than Giriraja and Native chicks in their respective weekly body weight. Both the breeds were at its egg laying stage but Giriraja starts laying eggs little earlier.

Table : Performance of the technology

Technology Option	No. of trials	Yield (t/ha)	Net Returns (Rs. in lakh./ha)	B:C ratio	Data on Other performance indicators*
Technology 1(Native chicken)		-	-	-	-
Technology 2(Vanaraja breed)	3				
Technology 3(Giriraja breed)					

9. Feed back of the farmers involved:

10.Feed back to the scientist who developed the technology: Nil

OFT 5: Role of mineral mixture and Ovsynch protocol for infertility management.

- 1. Thematic area: Animal Production and Management
- 2. Title: Role of mineral mixture and Ovsynch protocol for infertility management
- 3. Scientists involved: Dr. S. Muthukumar
- 4. Details of farming situation: Nil

5. Problem definition / description: (one paragraph)

In dairy farm profitability getting calf per year is very important thumb rule. Since it is having high level of economic importance on farm profitability farmer must get it on time. In reality many animals are not at their periodic estrus cycle and successful conception which affects the profitability of the farm to great extent.

6. Technology Assessed: (give full details of technology as well as farmers practice)

Technology 1 (TANUVAS mineral mixture) Technology 2 (TANUVAS MM+ Ovisynch protocol)

Technology 3 (Ovisynch) 7. Critical inputs given: (along with quantity as well as value)

- Deworming of 30 dairy animals @ Rs.100 : Rs.3000/-
 - Cost of Hormones (GnRH & PGF₂ α) : Rs.15000/-
 - Cost of Mineral Mixture -2 kg X 30 X Rs.55: Rs. 3300/-
 - Cost of AI Straws : Rs.1500/-
 - Cost of Cotton, Syringes and Gloves, etc : Rs.4700/-
 - Cost of Cotton , Synnges and Gloves, etc : Ks.4700/ Cost/animal: Rs. 950/-

8. Results:

Animals under TO2 (TANUVAS MM+ Ovisynch) category shown better conception rate followed by animals under TO1-TANUVAS mineral mixture at last comes the TO3 (only Ovisynch)

Table: Performance of the technology

Technology Option	No. of trials	Yield (t/ha)	Net Returns (Rs. in lakh./ha)	B:C ratio	Data on Other performance indicators*
Technology 1 (TANUVAS mineral		-	-	-	
mixture)	30 cows				
Technology 2 (TANUVAS MM+	(10	-	-	-	Faster and better
Ovisynch)	cows/each				conception rate
Technology 3 (Ovisynch)	technology)	-	-		
				-	

* Other performance indicators: such as pest intensity, weed population, test weight, duration etc

Description of the results:

TO2:

Animals under this group conceived faster than other two groups. Estrus cycle was prominent and visible clearly. Clear vaginal discharge was observed in all the animals of this group. 80 % of the animals in this group were conceived on the first insemination itself. Whereas other animals in this group conceived in their second insemination. No genital tract infections were observed. Cyclical corpus luteum was noticed.

TO1:

Animals under this group conceived at good rate than the animals under **Ovisynch** group. Around 40 % of the animals in this group were conceived on its first insemination. Rest of 30% and 30% animals conceived at third and fourth inseminations respectively. In this group some of the animals shown weak estrus signs. This might be due to negative energy balance and hormonal imbalances.

TO3:

Animals under this group conceived at slower rate than the other two groups. This might be due to loss of nutrients through milk. Only 15% of the animals in this group conceived after first insemination. Whereas 27%, 23% & 35% of animals conceived at their second, third and fourth insemination respectively.

9. Feed back of the farmers involved:

Farmers are very happy about the combined technology of TANUVAS mineral mixture and Ovisynch protocol on infertility management of their cattle. Majority of their animals conceived in the first insemination itself.

10. Feed back to the scientist who developed the technology: NIL

OFT 6: Assessment of GIFT Tilapia culture in Farm ponds

- 1. Thematic area: Culture and Production Management
- 2. Title: Assessment of GIFT Tilapia culture in Farm ponds
- 3. Scientists involved: Mr. E. Hino Fernando
- 4. Details of farming situation: Farm Ponds
- 5. Problem definition / description: (one paragraph)
 - Short duration of water availability
 - Lack of awareness about GIFT Tilapia culture
 - Long duration of crop for IMC culture
- 6. Technology Assessed: (give full details of technology as well as farmers practice) Technology Option 1: Farmers practice Technology Option 2: GIFT culture
- 7. Critical inputs given: (along with quantity as well as value)
 - Fish Seed- 1500 Nos@ Rs. 5/Seed- Rs. 7500
 - Fish feed- 250 kg @ Rs. 36/kg Rs. 9000

8. Results:

It is observed that the growth of GIFT tilapia fishes cultured in the farm ponds showed good growth rate and survival compared to Indian major carps. Also the disease resistance is also found to be high as there was no disease occurrence recorded during the culture period.

Table : Performance of the technology

Technology Option	No.of trials	Yield (t/ha)	Net Returns (Rs. in lakh./ha)	B:C ratio	Data on Other performance indicators*
Technology 1(Farmer practice)	3	1.10	23,100	1.26	
Technology 2(GIFT Tilapia)		1.61	56,700	1.54	Short term growth of Average Body weight is around 230g

9. Feed back of the farmers involved:

- Very high growth rate compared to IMC
- Short term culture period
- High resistance to disease
- It Can adapt in any kind of water

10. Feed back to the scientist who developed the technology:

3.d. FRONTLINE DEMONSTRATION

a. Follow-up of FLDs implemented during previous years: Nil

S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		ду
					No. of villages	No. of farmers	Area in ha
				Nil			

* Thematic areas as given in Table 3.1 (A1 and A2)

b. Details of FLDs implemented during the current year (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

FLD 1: Demonstration of Saline Tolerant Rice variety for Nagapattinam Dt.

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Source of funds	Area	Area (ha)		of farmers nonstration	Reasons for shortfall in achievement	
						Proposed	Actual	SC/ST	Others	Total	
1	Black Gram	ICM	Demonstration of ICM in Black gram VBN 8 in Nagapattinam dt.	Rice fallow 2019	ICAR	4.0	4.0	3	7	10	
2	Paddy	ICM	Demonstration of Traditional rice variety with Eco friendly management.	Rabi 2018	ICAR	4.0	2.0	1	4	5	High seed cost
3	Paddy	Varietal introduc tion	Demonstration of Saline Tolerant Rice variety for Nagapattinam Dt.	Rabi 2018	ICAR	4.0	4.0	2	8	10	-
4	Cotton	IPM	Demonstration on Eco friendly IPM strategies for major pests in cotton	Rice fallow 2019	ICAR	4.0	2.0	1	4	5	-
5	Mango	IPM	Demonstration of IPDM strategies for Mango fruit flies	February 2019	ICAR	4.0	2.0	-	5	5	Mango plantations are severely affected by Gaja Cyclone

Сгор	ason	g situation Irrigated)	il type	St	atus of so	oil	ious crop	ing date	vest date	:asonal ĉall (mm)	of rainy days
	Š	Farmin, (RF/	So	N	Р	К	Prev	Sow	Har	Se rainf	No.
Black Gram	Rabi	Rice fallow	Clay loam	L	М	Н	Paddy	30.01.19	16.04.19		
Paddy	Rabi	Irrigated	Clay loam	L	М	Н	Black gram	09.09.18	24.01.19	1133.7	
Paddy	Varietal introduction	Irrigated	Clay loam	L	М	Н	Black gram	20.09.18	10.03.19	1133.7	
Cotton	Rice Fallow	Irrigated	Clay loam	L	М	Н	Paddy	06.03.19	Crop is at Flowering stage - Demo is under progress		
Mango	February	Irrigated	Sandy loam	L	М	Н	Perennial	Perennial	Crop is at marble satge –Demo is under progress		

FLD: Demonstration of ICM in Black gram VBN 8 in Nagapattinam dt.

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Resistant to powdery mildew compared to check variety
2	No of pods is more than 15/plant

Farmers' reactions on specific technologies

S. No	Feed Back
1	Low incidence of sucking pest due to seed treatment with Imidachloprid
2	Low incidence in Pest and disease

Extension and Training activities under FLD

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

FLD: Demonstration of Traditional rice variety with Eco friendly management. Traditional paddy

Technical Feedback on the demonstrated technologies

	Feed Back
S. No	
1	-
2	-

Farmers' reactions on specific technologies

S. No	Feed Back
1	-
2	-

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	1	24.01.2019	15	
2	Farmers Training	-	-	-	-
3	Media coverage	1	28.01.2019	-	-
4	Training for extension functionaries	-	-	-	-

FLD: Demonstration of Saline Tolerant Rice variety for Nagapattinam Dt.

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	CSR 36 variety are performed in saline soil condition more than EC value of 2.5 and CSR 36 better by
	producing higher yield than farmers practice (BPT 5204)
2	CSR 36 is tolerate the saline soil condition and CSR 36 is fine rice compared to BPT 5204

Farmers' reactions on specific technologies

S. No	Feed Back
1	Less incidence of Pest and Disease were noticed
2	

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days	-		-	-
2	Farmers Training	1	11.1.2019	25	-
3	Media coverage	-		-	-
4	Training for extension	1		35	-
	functionaries				

FLD: Demonstration on Eco friendly IPM strategies for major pests in cotton

	Feed Back
S. No	
1	Dame is un der misseress
2	Denio is under progress

Technical Feedback on the demonstrated technologies

Farmers' reactions on specific technologies

S. No	Feed Back
1	Demo is under prograss
2	Demo is under progress

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks					
1	Field days									
2	Farmers Training	Domo is under prograss								
3	Media coverage		Demo	is under progress						
4	Training for extension functionaries									

FLD: Demonstration of IPDM strategies for Mango fruit flies

Technical Feedback on the demonstrated technologies

	Feed Back
S. No	
1	Domo is under prograss
2	Demo is under progress

Farmers' reactions on specific technologies

S. No	Feed Back
1	Dama is un dan ano aross
2	Demo is under progress

Extension and Training activities under FLD

S.No.	Activity	No. of activities organised	Date	Number of participants	Remarks					
1	Field days									
2	Farmers Training	- Denne is under som enner								
3	Media coverage		Demo	is under progress						
4	Training for extension functionaries									

Performance of Frontline demonstrations

Frontline demonstrations on crops

	Thematic	Technology	Name of th Hyb	e Variety/ rid	No. of	Area		Yi	ield (q/ha)		%	Econom	ics of demo	onstration ((Rs./ha)		Economics (Rs./	of check ha)	
Сгор	Area	demonstrated	Domo	Check	Farmers	(ha)		Den	10	Chook	Increase in	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
							High	Low	Average	CHECK	yiciu	Cost	Return	Return	(R /C)	Cost	Return	Return	(R / C)
Pulses	Integrated Crop Management	Demonstration of ICM in Black gram VBN 8 in Nagapattinam dt.	VBN 8	ADT 3	10	4	7.5	5.5	6.5	5.0	23.0	20325	42000	21675	2.06	20325	28000	2325	1.37
Oilseeds									Nil										
Cereals	ICM	Demonstration of Traditional rice variety with Eco friendly management.	Seergasamba and Mappilai Samba	CR1009	10	4	4 22.50 17.50 20.0 45.00 - 15150 56000 41100 3.69 38750 67500								67500	28750	1.74		
	Paddy	Demonstration of Saline Tolerant Rice variety for Nagapattinam Dt.	CSR 36	BPT 5204	10	4.0	51.0	46.0	48.5	42.5	6.18	38000	72750	34750	1.91	38000	63750	29800	1.67
Commercial crops	Integrated Pest Management	Demonstration on Eco friendly IPM strategies for major pests in cotton	RCH 2		5	2.0					Crop is at Fl	owering	stage -Den	no is unde	er progre	SS			<u>.</u>
Millets	•	<u>.</u>		L	å	2			NIL										
Vegetables									NIL										
Fruits	Integrated Pest Management	Demonstration of IPDM strategies for Mango fruit flies	5		5	2.0	0 Crop is at marble stage- Demo is under Progress												
Plantation		<u>.</u>			<u>.</u>	<u>.</u>			NIL										
crops Spices and condiments	d NIL																		
Flowers									NIL										

FLD on Livestock

Category	Thematic area	Name of the technology	No. of Farmer	No.of Units (Animal/	Major parameters		% change in major	Other parameter Economics of demonstration (Rs.)						Economics of check (Rs.)				
		demonstrated		Poultry/ Birds, etc)	Demo	Check	parameter	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)	
Cattle	Nil																	
Buffalo	Nil																	
Dairy	Nil																	
Poultry/Quail	EDP	Demonstration of Japanese quail rearing under EDP	3	100 each	220g/4 wk body wt.	-	-	3% Mortality	-	2300	4000	1700	1.73	-	-	-	-	
Sheep	Nil																	
Goat	Nil																	

FLD on Fisheries

Category	Thematic Na area den	Name of the technology demonstrated	No. of	Major parameters		% change	Other parameter		Econ	omics of der	nonstration	Economics of check (Rs.)					
			Farmer	units	Demons ration	Check	parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Fisheries	Production management	Feed based fish culture in farm ponds	2	2	150 g Three months period	120 g Three months period	30	-	-	10800	15250	4450	1.41	9700	12340	1540	1.2

FLD on Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major par	Major parameters %		Other parameter		Econor	mics of dem Rs./	onstration (unit	Rs.) or	Economics of check (Rs.) or Rs./unit				
				Demo	Check	parameter	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)	
Mushroom	Nil																
Apiculture	Nil																
Maize Sheller	Nil																
Value Addition	Nil																
Vermi Compost	Nil		•				5				•	8					

FLD on Women Empowerment: Nil

Category	Name of technology	No. of	Name of observations	Demonstration	Check
		demonstrations			
			Nil		

FLD on Farm Implements and Machinery : Nil

Name of the implement	Сгор	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed obse (output/ma	ervation an hour)	% change in major	Labor	reduction	(man days)		Cost reduction (Rs./ha or Rs./Unit etc.)				
						Demo	Check	parameter	Land preparation	Sowing	Weeding	Total	Land preparatio n	Labour	Irrigati on	Total	
						NIL											

FLD on Other Enterprise: Kitchen Gardening: Nil

Category and Crop	Thematic area	Name of the technology	No. of Farmer	No. of Units	Yield	(Kg)	% change in	Other]	parameters	Eco	onomics of d (Rs./	lemonstrati 'ha)	on		Econon (1	nics of check Rs./ha)	
		demonstrated			Demons ration	Check	yield	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)

FLD on Demonstration details on crop hybrids (Details of Hybrid FLDs implemented during 2018-19): Nil

			N. C			Yield (q/h	a)		o/ T •	Econ	omics of demo	nstration (Rs./h	ıa)
Сгор	demonstrated	Variety	No. of Farmers	Area (ha)	High	Demo Low	Average	Check	% Increase in yield	Gross Cost	Gross Return	Net Return	BCR (R/C)
Oilseed crop						NIL							

FLDs conducted with the funding of other sources including CFLD/ATMA/NABARD/other ICAR institutes etc

	Source of fund	Thomatia	tashnalagy	Name of t Hy	he Variety/ brid	No. of	Amoo		Yi	eld (q/ha)		%	Econ	omics of d (Rs./	emonstra ha)	tion]	Economics (Rs./	of check ha)	
Сгор		Area	demonstrated	Domo	Check	Farmers	(ha)	High	Dem Low	o Average	Check	Increase in yield	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Pulses	ICAR	ICM	Demonstration of ICM in Black gram VBN 8 in Nagapattinam Dt.	VBN 8	ADT 3	50	20	7.5	5.0	6.5	5.0	23.0	20325	42000	21675	2.06	19500	28000	2325	1.43
Green Gram	ICAR	ICM	Integrated Crop management for Green Gram	CO8	ADT 3	50	20	5.75	4.75	5.25	4.25	19.0	20325	30450	10125	1.5	19500	24650	4325	1.3

FLD on Livestock : NIL

Category	Thematic	Name of the	No. of	No.of Units	Major pa	rameters	%	Other pa	rameter	Econor	nics of dem	onstration	(Rs.)]	Economics	of check	
	area	technology	Farmer	(Animal/			change								(Rs	.)	
		demonstrated		Poultry/	Demo	Check	in major	Demo	Check	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
				Birds, etc)			parameter			Cost	Return	Return	(R /C)	Cost	Return	Return	(R / C)
Cattle							NIL										

FLD on Fisheries: NIL

Catagory	Thematic	Name of the	No. of	No. of	Major pa	rameters	% change	Other par	rameter	Econo	omics of den	nonstration	(Rs.)		Economic (R	s of check s.)	
Category	area	demonstrated	Farmer	units	Demons ration	Check	parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
						l	NIL										

FLD on Other enterprises: Nil

Category	Name of the technology	No. of	No.of	Major par	ameters	% change in	Other p	arameter	Econor	nics of dem	onstration (Rs.) or		Economic	s of check	
	demonstrated	Farmer	units			major				Rs./	unit			(Rs.) or	Rs./unit	
				Demo	Check	parameter	Demo	Check	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
									Cost	Return	Return	(R / C)	Cost	Return	Return	(R /C)
						Nil										

FLD on Women Empowerment: Nil

Category	Name of technology	No. of	Name of observations	Demonstration	Check
		demonstrations			
			Nil		

FLD on Farm Implements and Machinery: Nil

Name of the	Crop	Technology	No. of	Area	Major	Filed obs	ervation	% change	Labo	or reduction	(man days)		Cost red	uction	
implement		demonstrated	Farmer	(ha)	parameters	(output/m	an hour)	in major					(F	Rs./ha or Rs.	/Unit etc.)	
						Demo	Check	parameter	Land	Sowing	Weeding	Total	Land	Labour	Irrigati	Total
									preparation				preparatio n		on	
			i	L		<u>i</u>	.1		<u>i</u>			L				
							Nil									

Special Programmes 2018-19:

Farmer's Field School (FFS): Integrated Crop Management in Brinjal:

Thematic area	:	Brinjal
Title of the FFS	:	Integrated Crop Management in Brinjal
Budget proposed in Rs	:	30,000
Season and Period	:	June to December 2018
Periodicity of the session	:	14 weekly classes
Name of the village	:	Vellapallam (Thalainayar Block)
Number of participants	:	30
Name of the Facilitators	:	KVK staff & Agricultural Department Officials
Area of the FFS field	:	Integrated crop Management in Brinjal

Major problems in the FFS village relevant to the crop/enterprise:

- Lack of knowledge in ICM
- Poor practices of INM
- Non adoption of IPDM practices

Objectives of the FFS

- To create awareness on ICM in Brinjal
 - To reduce the cost of cultivation.
 - To enhance the yield

Following Lectures were delivered:

1.	Importance of soil sampling and soil sampling methods
2.	Season, Varieties and Seed treatment
3.	Nursery Management and pro tray nursery technology
4.	Land preparation (Ploughing, levelling, Ridges and furrows formation)
5.	Brinjal Grafting Technology
6.	Irrigation Management in Brinjal
7.	Integrated Nutrient Management and Foliar Spraying of nutrients

Results: Demonstrations on ICM in Brinjal were taken up at 30 farmers field. The crop was fully damaged due to Gaja Cyclone hit during November 2018.

Integrated Farming System 2018-19:

Name of the farmer	Mr.G.Jeevanantham
Address	Nangudi,
	Agarakadambanur,
	Kilvelu Taluk,
	Nagapattinam Dt.
Farm Land	40 ha
Existing IFS components	Cow: 6 nos.
	Goat: 20 nos. Poultry: 100 nos.
	Fish farming: 0.2 ha
IFS components provided by	Poultry: 100 nos.
KVK	Quail; 100 Nos.
	Fish : 500 fingerlings
	Fodder seed: 1.5 kg CO(FS) 31.

Income under Conventional	Rs. 80000/Year
practices	
Income under IFS	Rs. 1,50,000/Year
technologies intervention	
Significant achievement	Demonstration is Under progress
through KVK intervention	

4.Training Programmes

rarmers framming including sponsored training programmes (on camp	Farmers'	rs' Training including sp	oonsored training program	mmes (on campus
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Thematic area	No. of	Participants								
	courses		Others			SC/ST		(Frand Tota	al
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Cropping Systems	4	110	90	200	55	44	99	165	134	299
Integrated Farming	1	60	24	84	28	18	46	88	42	130
Total	5	170	114	284	83	62	145	253	176	429
II Horticulture										
a) Vegetable Crops										
Grading and standardization	1	13	8	21	9	10	19	22	18	40
Total (a)	1	13	8	21	9	10	19	22	18	40
V Home Science/Women										
empowerment										
Value addition	1	-	12	12	-	18	18	12	18	30
Total	1	-	12	12	-	18	18	12	18	30
VI Agril. Engineering										
Use of solar power	1	12	8	20	10	10	20	22	18	40
Total	1	12	8	20	10	10	20	22	18	40
VII Plant Protection										
Integrated Pest Management	2	60	40	100	32	38	70	92	78	170
Total	2	60	40	100	32	38	70	92	78	170
VIII Fisheries										
Integrated fish farming	3	80	40	120	37	28	65	117	68	185
Total	3	80	40	120	37	28	65	117	68	185
IX Production of Inputs at										
site										
Vermi-compost production	1	8	8	16	4	10	14	12	18	30
Organic manures production	1	12	8	20	10	10	20	22	18	40
Apiculture	1	20	5	25	12	3	15	32	8	40
Total	3	40	21	61	26	23	49	66	44	110
XI Agro-forestry										
Production technologies	2	18	20	38	16	16	32	44	36	80
Total	2	18	20	38	16	16	32	44	36	80
GRAND TOTAL	38	393	263	656	213	205	418	606	468	1074

Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of	Participants								
	courses	G Others SC/ST							Frand Tota	al
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Integrated Farming	4	40	40	80	28	32	60	68	72	140
Seed production										
Integrated Crop										
Management	16	462	260	722	193	200	393	655	460	1115
Integrated nutrient										
management	2	18	20	38	12	22	34	30	42	72
Total	22	520	320	840	233	254	487	753	574	1327
II Horticulture										
a) Vegetable Crops										
Production of low value	2	46	-	46	10	-	10	56	-	56

Thematic area	No. of	Participants								
	courses		Others			SC/ST		G	Frand Tota	ıl
		Male	Female	Total	Male	Female	Total	Male	Female	Total
and high volume crops										
Total (a)	2	46	-	46	10	-	10	56	-	56
b) Fruits										
Micro irrigation systems of										
orchards	1	6	7	13	4	8	12	10	15	25
Total (b)	1	6	7	13	4	8	12	10	15	25
g) Medicinal and										
Aromatic Plants										
Production and										
management technology	1	10	10	20	8	12	20	18	22	40
Total (g)	1	10	10	20	8	12	20	18	22	40
GT (a-g)	4	62	17	79	22	20	42	84	37	121
III Soil Health and										
Fertility Management.										
Soil fertility management	1	200	95	295	145	100	245	345	195	550
Total	1	200	95	295	145	100	245	345	195	540
V Home Science/Women										
empowerment										
Household food security by										
kitchen gardening and										
nutrition gardening	2	10	34	44	8	28	36	18	62	80
Total	2	10	34	44	8	28	36	18	62	80
VI Agril. Engineering										
Farm Machinary and its										
maintenance	2	20	20	40	16	24	30	36	44	80
Solar Power in Agriculture	1	10	10	20	8	12	20	18	22	40
Total	3	30	30	60	24	36	50	54	66	120
VII Plant Protection										
Integrated Pest										
Management	4	189	29	218	50	22	72	239	51	290
Total	4	189	29	218	50	22	72	239	51	290
VIII Fisheries										
Integrated fish farming	1	10	10	20	8	12	20	18	22	40
Total	1	10	10	20	8	12	20	18	22	40
XI Agro-forestry										
Production technologies	1	10	10	20	8	12	20	18	22	40
Total	1	10	10	20	8	12	20	18	22	40
GRAND TOTAL	38	1031	545	1576	524	474	998	1555	1019	2574

Farmers' Training including sponsored training programmes – CONSOLIDATED (On + Off campus)

Thematic area	No. of				I	Participant	ts			
	courses		Others			SC/ST		(Frand Tot	al
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Cropping Systems	4	110	90	200	55	44	99	165	134	299
Integrated Farming	5	100	64	164	56	50	106	156	114	270
Integrated Crop Management	16	462	260	722	193	200	393	655	460	1115
Integrated nutrient										
management	2	18	20	38	12	22	34	30	42	72
Total	27	690	434	1124	316	316	632	1006	750	1756
II Horticulture										
a) Vegetable Crops										
Production of low value and										
high valume crops	2	46	-	46	10	-	10	56	-	56
Grading and standardization	1	13	8	21	9	10	19	22	18	40
Total (a)	3	59	8	67	19	10	29	78	18	96
b) Fruits										
Micro irrigation systems of										
orchards	1	6	7	13	4	8	12	10	15	25
Total (b)	1	6	7	13	4	8	12	10	15	25
g) Medicinal and Aromatic										

30

Thematic area	No. of	Participants								
	courses		Others	-		SC/ST		(Frand Tota	al
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Plants										
Production and management										
technology	1	10	10	20	8	12	20	18	22	40
Total (g)	1	10	10	20	8	12	20	18	22	40
GT (a-g)	5	75	25	100	31	30	61	106	55	161
III Soil Health and Fertility										
Management										
Soil fertility management	1	200	95	295	145	100	245	345	195	550
Total	1	200	95	295	145	100	245	345	195	550
V Home Science/Women										
empowerment										
Household food security by										
kitchen gardening and										
nutrition gardening	2	10	34	44	8	28	36	18	62	80
Value addition	1	-	12	12	-	18	18	12	18	30
Total	3	10	46	56	8	46	54	30	80	110
VI Agril. Engineering										
Farm Machinary and its										
maintenance	2	20	20	40	16	24	40	36	44	80
Solar power in Agriculture	2	22	18	40	18	22	40	40	40	80
Total	4	42	38	80	34	46	80	76	84	160
VII Plant Protection										
Integrated Pest Management	6	249	69	318	82	60	142	331	129	460
Total										
VIII Fisheries										
Integrated fish farming	4	90	50	140	45	40	85	135	90	225
Total	4	90	50	140	45	40	85	135	90	225
IX Production of Inputs at										
site										
Vermi-compost production	1	8	8	16	4	10	14	12	18	30
Organic manures production	1	12	8	30	10	10	20	22	18	40
Apiculture	1	20	5	25	12	3	15	32	8	40
Total	3	40	21	71	26	23	49	66	44	110
XI Agro-forestry										
Production technologies	3	28	30	58	24	28	52	62	58	120
Total	3	28	30	58	24	28	52	62	58	120
GRAND TOTAL	56	1424	808	2242	711	689	1400	2161	1487	3048

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

					No	o. of Partici	ipants				
Area of training	No. of		General			SC/ST		Grand Total			
Area or training	Courses	Male	Femal e	Total	Male	Female	Total	Male	Female	Total	
Integrated farming	1	34	4	38	15	2	17	49	6	55	
TOTAL	1	34	4	38	15	2	17	49	6	55	

Training for Rural Youth including sponsored training programmes (Off campus): Nil

	No. of	No. of Participants										
Area of training	No. of	General			SC/ST				Grand Total			
	Courses	Male	Female	Total	Male	Female	Total	Male	Female	Total		
Any other (pl.specify)												
TOTAL				Nil								

Training for Rural Youths including sponsored training programmes – CONSOLIDATED (On + Off campus)

	No. of				No	. of Partici	ipants				
Area of training	Courses	General				SC/ST		Grand Total			
_	Courses	Male	Female	Total	Male	Female	Total	Male	Female	Total	
Integrated farming	1	34	4	38	15	2	17	49	6	55	
TOTAL	1	34	4	38	15	2	17	49	6	55	

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Training programmes for Extension Personnel including sponsored training programmes (On campus)

Area of training	No. of				No.	of Particip	oants			
	Courses		General			SC/ST		Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	1	31	15	46	-	-	-	31	15	46
Integrated Pest Management	6	189	41	230	-	-	-	189	41	230
Capacity building for ICT application	1	31	15	46	-	-	-	31	15	46
TOTAL	8	251	71	322	-	-	-	251	71	322

Training programmes for Extension Personnel including sponsored training programmes (off campus): Nil

	No. of				No	of Particip	ants			
Area of training	Courses		General SC/ST Grand Tot				SC/ST			
		Male	Female	Total	Male	Female	Total	Male	Female	Total
TOTAL]	Nil				

Training programmes for Extension Personnel including sponsored training programmes – CONSOLIDATED (On + Off campus)

Area of training	No. of Courses General SC/ST Grand 7									
	courses		General			SC/ST		(Grand Tot	al
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	1	31	15	46	-	-	-	31	15	46
Integrated Pest Management	6	189	41	230	-	-	-	189	41	230
Invigorating Extension through ICT tools	1	31	15	46	-	-	-	31	15	46
TOTAL	8	251	71	322	-	-	-	251	71	322

Table. Sponsored training programmes

	No. of Courses				No. o	of Particip	ants			
Area of training			General			SC/ST		(Grand Tota	al
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and										
management										
Increasing production and productivity of crops	1	200	95	295	145	100	245	345	195	550
Total	1	200	95	295	145	100	245	345	195	550
Livestock and fisheries										
Livestock production and	2	20	16	4.4	24	20	26	44	26	80
management		20	10	44	24	20	30	44	30	80
Total	2	20	16	44	24	20	36	44	36	80
GRAND TOTAL	3	220	111	239	169	120	281	389	231	620

Name of sponsoring agencies involved: ICAR, NADP

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

	No. of				No. o	f Participa	nts				
Area of training	Courses		General			SC/ST		Grand Total			
		Male	Male Female Total			Female	Total	Male	Female	Total	
Livestock and fisheries											
Composite fish culture	1	-	20	20	-	10	10	-	30	30	
Value Addition in Fish	1	-	20	20		15	15	-	35	35	
Total	2	-	40	40-		25	25	-	65	65	

5. Extension Programmes

			No. of	
Activities	No. of programmes	No. of farmers	Extension	TOTAL
			Personnel	
Advisory Services	209	1109	-	1109
Diagnostic visits	29	63	8	71
Field Day	2	25	2	27
Group discussions	2	85	20	105
Kisan Ghosthi	-	-	-	-
Film Show	5	250	25	275
Self -help groups	1	30	2	32
Kisan Mela	2	1550	32	1582
Exhibition	3	842	15	857
Scientists' visit to farmers field	29	63	8	71
Plant/animal health camps	2	60	2	62
Farm Science Club	-	-	-	-
Ex-trainees Sammelan	-	-	-	-
Farmers' seminar/workshop	5	1902	24	1926
Method Demonstrations	16	634	14	648
Celebration of important days	3	125	3	128
Special day celebration	2	580	10	590
Exposure visits	1	50	-	50
Webcasting of PMs speech to	3	245	5	250
farmers	5	243	5	
Total	314	7613	170	7783

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	
Extension Literature	5
News paper coverage	27
Popular articles	-
Radio Talks	18
TV Talks	4
Animal health amps (Number of animals treated)	1
Others (pl. specify)	-
Total	55

Messages sent MOBILE ADVISORY SERVICES THROUGH MKISAN PORTAL

No of registered farmers: 4000

Types of		Type of messages												
Messages	С	rop	Lives	tock	Weat	ther	Mark	eting	Awa	areness	Otl enter	ner prise	Т	otal
	No of messages	No of farmers												
Text only	3	4000	-	-	-	-	-	-	1	4000	-	-	4	4000
Voice														
only	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Voice &														
Text both	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total														
Messages	3	4000	-	-	-	-	-	-	1	4000	-	-	4	4000
Total														
farmers														
Benefitted	-	4000	-	-	-	-	-	-	-	4000	-	-	-	4000

MOBILE ADVISORY SERVICES THROUGH OTHERS

No of registered farmers: 94 nos.

Types of		Type of messages												
Messages	Cro	op	Lives	tock	Weat	ther	Mark	eting	Awar	eness	Oth enter	ier prise	Tot	al
	No of messages	No of farmers												
Text only	71	94	-	-	6	94	8	94	3	94	3	94	91	94
Voice only	5	94												
Voice & Text both	_	_												
Total Messages	76	94			6	94	8	94	3	94	3	94	91	94
Total farmers Benefitted		94	_	-	_	94	_	94	_	94	_	94	91	94

6. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Gosthies			
Lectures organised			
Exhibition			
Film show			
Fair			
Farm Visit			
Diagnostic Practicals			
Distribution of Literature (No.)			Nil
Distribution of Seed (q)			1911
Distribution of Planting materials (No.)			
Bio Product distribution (Kg)			
Bio Fertilizers (q)			
Distribution of fingerlings			
Distribution of Livestock specimen (No.)			
Total number of farmers visited the			
technology week			

7.PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS

Production of **Seeds** by the KVKs (seed in quintals only)

Enterprise			Seed pro	duced		See	d supplie	d to farmers	:		Food supplied to	
	Name of crop	Variety	Quantity	Value	Free seed			P	riced seed	other agencies		
			(q)	(Rs)	Quantity	No of	Value	Quantity	No of	Value	Quantity	Value
			× P	, í	(q)	farmers	(Rs)	(q)	farmers	(Rs)	(q)	(Rs)

CEREALS	Paddy	TKM 13	15	45000	-	-	-	-	-	-	-	-
	Total Cereals	TKM 13	15	45000	-	-	-	-	-	-	-	-

Production of planting materials by the KVKs (seedlings, cuttings. Slips in numbers)

			Planting prod	material luced		Planting		Planting material				
Enterprise	Name of crop	Variety	0	X 7.1	F	ree supply			Priced		supplied age	l to other ncies
-			(Nos)	(Rs)	Qty (Nos)	No of farmers	Value (Rs)	Quantity (Nos)	No of farmers	Value (Rs)	Quant ity (Nos)	Value (Rs)
PLANTATION CROPS												
	Coconut	ECT	5000	250000	-	-	-	-	-	-	-	-
	Neem	Local	2	20	-	-	-	2	1	20	-	-
	Teak	Local	264	2640	-	-	-	264	19	2640	-	-
	Vengai	Local	648	6480	-	-	-	648	50	6480	-	-
	Pungam	Local	15	150	-	-	-	15	3	150	-	-
	Total forest and plantation crops		929	9290	-	-	-	929	73	9290	-	-
FODDER	Cumbu Napier grass (Co 3, Co 4, Co 5 etc)	CO3	200 clins	290				290	7	200		
sups	Total Fodder crops		290 slips	290 290	-	-	-	290	7	290	-	-

Production of Bio-Products

		Comm	Bio-pro produ	ducts ced		Bio-pro	ducts sup	plied to farm	iers		bio-pro	oducts
Category	Name of the product	ercial name	Ouantity	Value	Free	distributio	n		Priced		supplied agen	to other cies
	•	(if any)	(kg)	(Rs)	Quantity (kgs)	No of farmers	Value (Rs)	Quantity (kgs)	No of farmers	Value (Rs)	Quantity (kgs)	Value (Rs)
Bio-fertilizers	Azolla	-	40	400	-	-	-	40	30	400	-	-
	Total bio- fertilizers		40	400	-	-	-	40	30	400	-	-
Bio-inputs	Panchakavya	-	121	12100	-	-	-	121	25	12100	-	-
	Vermi compost	-	1899	18990	-	-	-	1899	117	18990		
	Coco Peat	-	3292	30860	-	-	-	3292	53	30860	-	-
	Total bio- inputs		5312	61950	-	-	-	5312	195	61950	-	-
Bio-Pesticides	Psuedomonas	-	360	36000	-	-	-	360	91	36000	-	-
	Total bio- pesticides		360	36000	-	_	-	360	91	36000	-	_
	Total bio- products		5712	98350	-	-	-	5712	316	98350	-	-

Production of livestock materials

	Name of the	Variety/im proved	Produc	Production Supplied to farmers								
		e species	species		Free distribution Priced			agencies				
Category	livestock/fish/feed	name/Com mercial name (if any)	Quantity (No)	Value (Rs)	Quantity (No)	No of farmers	Value (Rs)	Quantity (No)	No of farmers	Value (Rs)	Quantity (No)	Value (Rs)
FISHER Y	Fish meat (kg)	Gift	471	18840	-	-	-	471	187	18840	-	-
	Total Fishery		471	18840	-	-	-	471	187	18840	-	-
	Grand Total Livestock and fishery		471	18840	-	-	-	471	187	18840	-	-

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	No. of S	amples				
Samples/ SHC	Using Mini Soil Testing Lab	Through Traditional Lab	No. of Farmers	No. of Villages	Amount realized (Rs.)	
Soil samples	205	-	192	192	2500	
Soil Health Cards (SHC)	205	-	192	192	-	

8. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Water	27	25	25	1350
Plant	-	-	-	-
Manure	-	-	-	-
Others (pl.specify)	-	-	-	-
Total	27	25	25	1350

9. SCIENTIFIC ADVISORY COMMITTEE

Date of SAC meeting	Number of members attended	
25.03.2019	25	

Proceedings of the 7th Scientific Advisory Committee meeting of KVK, Sikkal, Nagapattinam

Seventh Scientific Advisory committee meeting of the KVK, Sikkal was conducted on 25.3.2019 at the KVK, Sikkal, Nagapattinam. The meeting was started with prayer. The member secretary of SAC and Programme Coordinator of KVK Dr. A. Gopalakannan, welcome the participants. Dr. R. Jayaraman, Director of Extension Education in-charge, Tamilnadu Dr.J.Jayalalithaa Fisheries University (TNJFU), Nagapattinam presented the concept note. The meeting was conducted under the chairmanship of the Hon'ble Vice Chancellor, Tamil Nadu Dr.J.Jayalalithaa Fisheries University, Nagapattinam Prof. S.Felix, Ph.D, In his presidential address, he expressed his happiness in bringing this KVK under the administrative control of Tamil Nadu Dr.J.Jayalalithaa Fisheries University, Nagapattinam with effect from 1.4.2018. Earlier it was functioning under the administrative control of the Tamil Nadu Agricultural University, Coimbatore from 2004 onwards.

Dr.S.Felix stated that it is necessary to develop farm specific/location specific technologies through scientific approach for the farming community. He observed that the KVK is located in a coastal district and hence fisheries and fish production and Fish product preparation technologies need to be transferred to the farmers as part of Integrated Farming System. However, the Annual Action Plan of the KVK will address all the necessary Crops, Animal husbandry and other allied sectors followed in the district. He said that the University is taking necessary steps in making this KVK a model KVK in the State.

Dr.V.Ambedgar, Director, Tamil Nadu Rice Research Institute, Aduthurai in his technical speech briefed the farmers on the various agricultural activities being carried out in the delta region and suitable methods for improving the income of the farmers. Dr. M.Nagarajan, Principal Scientist and Officer-in-charge, Rice Breeding and Genetics Research Centre (IARI), Aduthurai suggested some district specific saline tolerant rice varieties for cultivation in salt affected areas. The Programme Coordinator presented the action taken report on the recommendations of the last SAC meeting. Subject Matter Specialists Dr. Chandrasekar (Agricultual Entomology), Dr. S. Muthukumar (Animal Husbandry) and E. Hino Fernando, (Fisheries Extension) presented their Salient technical achievements on OFTs, FLDs and Extension activities of current year and Annual Action Plan report for forthcoming year 2019-20. Members of the scientific advisory committee from various line departments and nn official farmer members participated and addressed their problem identified in Agriculture and allied activities and gave their and suggestions for including them in the action plan. The meeting ended with vote of thanks by Dr. R. Chandrasekar, SMS(Agri. Entomology).

List of Participants attended in the 7th SAC:

1	Dr S Felix	Chairman
1.	Vice Chancellor	Chairman
	Tamil Nadu Dr. I Javalalithaa Fisharias University	
	Na severtti new	
	Nagapatinani.	March and a sector
2	Dr.A.Gopalakkannan,	Member Secretary
	Programme Coordinator,	
	ICAR-Krishi Vigyan Kendra,	
	Sikkal, Nagapattinam Dt.	
3	Dr.V.Ambethgar,	Member
	Director,	
	Tamil Nadu Rice Research Institute,	
	Aduthurai.	
4.	Dr. R. Javaraman.	Member
	Director of Extension Education in-charge.	
	Tamil Nadu Dr I Javalalithaa Fisheries University	
	Naganattinam	
5	Dr M Nagarajan	Mambar
5.	Di. M. Nagarajan, Dringing Scientist and Officer in charge	Wennber
	Principal Scientist and Officer in charge,	
	KBGRU-IAKI,	
	Aduthurai	
6.	Mr.K.Sıvakumar,	Member
	Deputy Director of Agriculture Nagapattinam Dt.	
7.	Mr.V.Krishnamoorthy,	Member
	Department of Agricultural Marketing and Agri. Business,	
	Nagapattinam Dt.	
8.	Dr.C.Suresh,	Member
	Asst. Professor and Head,	
	Veterinary University Training and Research Centre, Nagapattinam	
	Dt.	
9.	Dr.M.Sampath.	Member
	Deputy Director.	
	Department of Animal Husbandry.	
	Naganattinam Dt	
10	Mr B Prababaran	Member
10.	District Development Manager	Weinber
	NADADAD Necessattinem	
11	NABARAD, Nagapauliani	Manulau
11.	Mr.P.Damodaran,	Member
	General Manager,	
	District Industries Centre, Nagapattinam	
12.	Mr.M.Balasubramaniyan,	Member
	Forest Ranger,	
	Forest Department, Nagapattinam.	
13.	Mr.Venkateshwaran,	Member
	Farm Radio Officer,	
	All India Radio,	
	Karaikkal	
14.	Mr.A.Alavudeen,	Member
	Junior Engineer.	
	Agricultural Engineering Department, Nagapattinam	
15	Mrs.S.Shanthi	Member
10.	Asst Inspector	
	Sericulture Department	
	Nagapattinam	
10	Nagapaullialli.	Non Official manufact
16.	NIT.G. Jeevanatnam,	Non Official member
	Ivangudi,	
	Agarakadambanur-Post,	
	Kılvelur-Tk,	

	Nagapattinam Dt-611 104	
17.	Mr.P.Packirisamy (Small farmer),	Non Official member
	S/O. Pethan,	
	Theppa Mudhaliyar Street,	
	Sikkavalam, Puliyur	
18.	Mrs.M.Tajee Nisha, (Women farmer)	Non Official member
	6/103, Pallivasal Street,	
	Manjakkollai,	
	Nagapattinam	
19.	Mrs.A.Ramya,	Non Official member
	1/319, Perumal Koil Street,	
	Villanagar, Arupathi,	
	Sembanarkoil Block	
20.	Mr. K.Mariyappan (Agri Entrepreneur)	Non Official member
	Manmathankoil Street,	
	Koilpathu East,	
	Vedharanyam Taluk,	
	Nagapattinam Dt.	
21	Mr.G.Mohanraj,	Other Invitee
	Sangamangalam,	
	Sikkal-Post.	
	Nagapattinam Dt.	
22	Dr.M.Raju,	Special Invitee
	Associate Professor,	
	TRRI, Aduthurai	
23	Mr.Arunagiri	Other invitee
	Vellapallam	
	Thalainayar Block,	
	Vetharanyam- Taluk	
24	Mr.N.Senguttuvan,	Other invitee
	Vellapallam	
	Thalainayar Block,	
	Vetharanyam- Taluk	
25	Mrs.Saritha Senthilkumar	Other invitee
	No.529, Mahalakshmi Nagar,	
	Nagappattinam	

Recommendations of the 7th SAC meeting:

Sl. No.	Recommendations	Proposed by
1.	All Cropping pattern following in Nagapattinam district needs to be cultivated in KVK farm	Dr.S.Felix, Vice Chancellor,
2.	Allocation of lands in KVK farm for Coconut nursery development needs to be done with the help of Department of Agriculture/Coconut Development Board	Tamil Nadu Dr.J.Jayalalithaa Fisheries University, Nagapattinam.
3.	Weekly once technologies should be broadcasted through AIR, Karaikkal.	
4.	Awareness on Excavation of farm Ponds for rain water harvesting and the water from farm pond may be utilized last 2 irrigations for paddy cultivation needs to be given	Dr.V.Ambethgar, Director, Tamil Nadu Rice Research Institute, Aduthurai.
5.	Suitable Saline tolerant rice variety needs to be assessed	Dr.M.Nagarajan, Principal Scientist and Officer in charge, Rice Breeding and Genetics Research Centre(IARI), Aduthurai.
6.	Poly House and Green House technologies for protective cultivation of vegetables needs to be popularized	Dr.M.Nagarajan, Principal Scientist and Officer in

		07
		charge,
		RBGRC-IARI,
		Aduthurai
7.	Based on district specific, Multi Cropping technologies like	
	Bhendi-Maize-Black gram needs to be popularized	
8.	On Farm Testing on Saline tolerant rice variety with use of	Dr.M.Raju,
	CR1009, TRY 3 and Nunish 9 needs to be conducted	Associate Professor,
9.	Newly released Short duration Rice variety ADT 53 needs to be	TRRI, Aduthurai
	demonstrated	
10.	Newly released Pulses variety -Black Gram ADT 6 under rice	
	fallow as well as irrigated condition needs to be demonstrated	
11	Every Wednesday technologies to be broadcasted through AIR,	Mr.Venkateshwaran,
	Karaikal needs to be followed	Farm Radio Officer,
		All India Radio,
		Karaikkal.
12.	Incubator for hatchery of poultry needs to be set up in KVK	Mr.G.Jeevanatham
		(Big farmer),
		Nangudi,
		Agarakadambanur-Post,
		Kilvelur-Tk,
		Nagapattinam Dt-611 104
13.	Demonstration of small Onion cultivation at coastal area needs to	Mr.Arunagiri
	be popularized	Vellapallam
		Thalainayar Block,
		Vetharanyam- Taluk
14.	More numbers of IFS unit at farmers field needs to be	Mr.N.Senguttuvan,
	demonstrated.	Vellapallam
		Thalainayar Block,
		Vetharanyam- Taluk

10. PUBLICATIONS

Publications in journals: Nil

S. No	Authors	Year	Title	Journal
	Nil			

Other publications

S.No	Item	Year	Authors	Title	Publisher
1	Books	2018	Dr.M.Nagoor Meeran, Dr.R.Santhakumar and Mr. .Santhoshkumar	Fish Culture in Farm Ponds	DoEE, TNJFU
		2018	Mrs. D.Inthumathi, SMS(Agri Ento)	Integrated crop management in Brinjal under FFS	KVK, Nagapattinam
		2019	Dr.R.Santhakumar, Mr.N.Sampathkumar, Dr.K.Chandrasekar, Mr.E.Hino Fernando, Dr.S.Muthukumar, Mr.V.Gnanabharathi and Mr.R.Vedharethinam	Agricultural Technologies on Rabi Crops	KVK, Nagapattinam
2	Book chapters / manuals				

3	Training manuals	2018		IFS technologies	KVK,
	-			suitable to	Nagapattinam
				Nagapattinam	
				District	
		2019		Guidelines on PM-	KVK,
				KISAN Samman	Nagapattinam
				Nidhi Yojana	
		2019		Importance of Soil	KVK,
				Testing and Sampling	Nagapattinam
				procedure	
4	Conference,				
	proceeding papers,				
	popular articles,				
	Bulletins, Short				
	communications				
5	Technical bulletin/	2018		IPDM technologies	KVK,
	Folders			for Rice	Nagapattinam
		2018		Management	KVK,
				Technologies on Fall	Nagapattinam
				Army Worm	
6	Reports	2018		Annual Action Plan	KVK,
				2018-19	Nagapattinam
		2018		Annual Progress	KVK,
				Report 2017-18	Nagapattinam
		2019		Report on 7 th SAC	KVK,
				meeting	Nagapattinam
7	others	2019	-	Proceedings on 7th	KVK,
				SAC meeting	Nagapattinam

Newsletter/Magazine

Name of News letter/Magazine	Frequency	No. of Copies printed for distribution
TNJFU News Letter	Monthly	Released from DoEE, TNJFU, Nagapattinam

Training/workshops/seminars etc. details attended by KVK staff

Trainings attended in the relevant field of specialization (Mention Title, duration, Institution, location etc.)

Name of the staff	Title	Dates	Duration	Organized by
Dr.R.Santhakumar,	Pre Season Agriculture	29.05.2018	One day	KVK, Nagapattinam
Mr.N.Sampathkumar,	Seminar			
Mr.V.Gnanabharathi and				
Mr.R.Vedharethinam				
Dr.R.Santhakumar,	Action Plan Workshop	20.04.2018,	Two days	DEE, TNAU, Coimbatore
	2018-19	21.04.2018		and ATARI, Hyderabad
Dr.R.Santhakumar,	Annual Review Workshop	20.09.2018	Three days	ATARI, Hyderabad
	2017-18	to		
		22.09.2018		
Dr.R.Santhakumar,	Pre Rabi Campaign –One	11.01.2019	One day	KVK, Nagapattinam
Mr.N.Sampathkumar,	day Awareness and World			
Dr.K.Chandrasekar,	Soil Day programme			
Mr.E.Hino Fernando,				
Dr.S.Muthukumar,				
Mr.V.Gnanabharathi and				
Mr.R.Vedharethinam				

Mr.E.Hino Fernando	International Conference on	22.01.2019	One day	CIBA, Chennai
	Brackish Water Aqua			
	Culture			
Mr.N.Sampathkumar,	District Level Agriculture	27.02.2019	One day	Department of Agriculture,
Dr.K.Chandrasekar,	Mela 2018-19			Nagapattinam
Mr.E.Hino Fernando,				
Dr.S.Muthukumar,				
Dr.A.Gopalakannan	Pre Action Plan Meeting	22.03.2019	One Day	DoEE, TNAU, Coimbatore
Dr.K.Chandrasekar,	2019-20			
Mr.E.Hino Fernando,				
Dr.S.Muthukumar,				

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

Activities conducted				
No. of Training programmes	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
2	-	-	100	12

12. INTERVENTIONS ON DISASTER MANAGEMENT/UNSEASONAL RAINFALL/HAILSTORM/COLD WAVES ETC

Introduction of alternate crops/varieties

Crops/cultivars	Area (ha)	Extent of damage	Recovery of damage through KVK initiatives if any
		Nil	
3.6.1	1 1	· · ·	

Major area coverage under alternate crops/varieties					
Crops	Area (ha)	Number of beneficiaries			
	Nil				

Farmers-scientists interaction on livestock management

Livestock components	Number of interactions	No. of participants
Cattle	1	5
Piggery	1	2
IFS unit	1	85
IFS unit	1	2
IFS unit	1	3
IFS unit	1	2
Total	6	99

Animal health camps organized

Number of camps	No. of animals	No. of farmers
N	lil	

Seed distribution in drought hit	states				
Crops	Quantity (qtl)	Coverage of area (ha)	f Number of farmers		
Nil					
Large scale adoption of resource conservation technologies					
Crops/cultivars and gist of resource conservation technologies Area Number of					
introduced		(ha)	farmers		
Nil					

Awareness campaign

	Meetin	gs	Gosthi	es	Field	l days	Farme	ers fair	Exhibiti	on	Film	show
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
	1	40	-	-	-	-	-	-	-	-	-	-
Total	1	40	-	-	-	-	-	-	-	-	-	-

13. Awards/rewards by KVK and staff

Recognitions & Awards/Special attainments and Achievements of Practical Importance					
Recognitions &	Recognitions & Awards (Team Award/individual				
Item of Recognition Year Awarding Organization I			Individual/		
			National / Internat	ional /	collaborative
	Professional; Society				
Best Worker a	award for outstanding	2018	Tamil Nadu Dr.J.J	ayalalithaa	Individual
performance			Fisheries University,		
Mr.V.Gnanabh	arathi, Programme Asst.		Nagapattinam		
Technical, KV	K, Nagapattinam				
Special Attain	ments & Achievements of Practic	al Importance	e (patents, technolog	gies, varieties	, products,
concepts, meth	odologies etc.)				
Category	Title	Year	Individual/	Additional	
			Collaborative	Details/Info	ormation
	Nil				

14. Details of sponsored projects/programmes implemented by KVK

S.No	Title of the programme / project	Sponsoring agency	Objectives	Duration	Amount (Rs)
1	Establishment of	NFDB	Training and		Rs. 10.66 lakh
	Aquaponics-		Demonstration to		
	Demo Unit		fish farmers		

Detailed report of each project/programme:

Establishment of Aquaponics Unit for Training and Demonstration to fish farmers at KVK, Sikkal, Nagapattinam was completed on 16.04.2019. Culturing of fish and crops is under progress.

1.	Name of the Project	Establishment of Aquaponics Unit for Training and
		Demonstration to fish farmers at KVK, Sikkal, Nagapattinam.
2.	Location	ICAR-Krishi Vigyan Kendra, Sikkal
3.	Name of the Scientists in charge of	Dr.A.Gopalakannan,
	the Project	Programme Coordinator,
		Mr.E.Hino Fernando,
		SMS(Fisheries Extn.),
		ICAR-KVK, Sikkal
4.	Term of reference	NFDB/Tech/TNJFU/INNOVATIVE PROJECT (Azolla-
		Aquaponics-Biofloc-Aqua One) RAS/2017-18 dt.
		22.03.2018.
5.	Objectives /programme of Work	To establish 200 m ² area Aquaponics unit for Training and
		Demonstration of Aquaponics technology to fish farmers
6.	Operation of Fund	Programme Coordinator,
		ICAR-Krishi Vigyan Kendra, Sikkal
7.	Duration of the Project	Creation of Aquaponics unit(200 m ²)
8.	Funding Agency	National Fisheries Development Board, Hyderabad-500 052
9.	Budget	Rs.10.66 lakh
10.	Administration	The Director of Research, TNJFU, Nagapattinam
11.	Evaluation procedure	As per the norms of the University as well as NFDB

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15. Success stories

Title: Demonstration of Traditional rice variety with Eco friendly management Introduction:

Since the beginning of Green Revolution in the 1960s, increasing the yield of paddy was the main objective. Hence, we started adopting high yielding rice varieties by forgetting our traditional rice varieties. Nowadays, throughout Tamil Nadu more than 100 high yielding rice varieties are being cultivated. However, the incidence of pest and disease increased which resulted in higher application of pesticides eventually affecting the environment. This has hiked the production cost of high yielding varieties compared to the traditional ones. The traditional variety seeds and grains costs are almost two to three times higher than our normal ones. Currently, people are looking for organic products which created a demand for the traditional varieties. The traditional varieties are rarely affected by pest and diseases and hence there is less need of pesticide application. The management practices are also cheap.

Problem identified

- Lacking adoption of traditional rice varieties
- More pesticide application in normal rice varieties
- More demand for traditional rice variety seeds

KVK interventions

- Traditional rice variety seeds are given to farmers
- Periodical visit to farmer's field

Output and Income:

SI.	Traditional rice	Yield	Cost of	In case of grain	In case of seed
No.	variety	Kg/Ha	cultivation		
1.	Jeeragasamba	2500	Rs.15000	Rs 40/ per kg	Rs 60/ per kg
				2500x 40 = 1,00,000	$2500 \ge 0.000 = 1,50,000$
2.	Mappillaisamba	4,500	Rs.15000	Rs 40/ per kg	Rs 60/ per kg
				4500x 40 = 1,80,000	$4500 \ge 2,70,000$
3	Ruling Variety	6,000	Rs. 37,000	Rs 18/ per kg	Rs 28/ per kg
				$6000x \ 40 = 1,08,000$	6000 x 28 = 1,68,000

Farmer Details:

Mr. G.Jeevanantham, Nangudi, Agarakadambanur post, Kilvelur – TK, Nagapattinam – 611 104. Contact Number: 9443375262





Title: Demonstration of Scientific Rearing of Japanese quail under EDP Introduction:

Poultry rearing has important role in rural economy. Rural women empowerment lies on free flowing of money in their hand, which makes them to stand on their leg independently. Among poultry, Japanese quail which gives money to the farmer on monthly basis.

Japanese quails are reared for only 4 to 5 weeks of time after which they ready for marketing. Maintenance of Japanese quail is easier than any other livestock rearing. Mortality rate also comparatively minimal. The demand for quail meat and egg is huge in our area. In quail farming no vaccination and deworming is required for Quail unlike other livestock.

Problem identified:

- Lack of awareness of Quail culture
- Problems identified during the course of rearing are 3% chick mortality.
- \circ Low income of the rural women.

KVK intervention:

- 1. Brooding intervention:
- 2. Therapeutic intervention:

There was chick mortality of about 5% after which we intervened and suggested antimicrobial therapy.

3. Marketing intervention: Forward integration was made by linking with one entrepreneur having small scale hatchery.

4. Expansion intervention:

Output & Outcome:

- Fourth week recorded body weight was 240g.
- Average egg weight is around 12-13 g.
- Price at which birds were sold: Rs.: 40/bird
- Price at which eggs were sold: Rs.: 2 /Egg.

Gross cost:

Outcome:

Japanese quail rearing is getting popular among the farmers of that village and now people are familiar to the taste of meat and egg. Many young entrepreneur from that village started inquiring about the business viability and opportunity.

Future Plan for that village: Forward integration of the enterprise. **Farmer details:**

- Name: Mrs. S. Chanthra
- W/O: Mr. Sasikumar
- Village: Maracherry
- Block: Thirukkuvalai
- Occupation: Farming and Daily cooli
- Community : SC
- Economic status: BBL

- Annual Income: 32000
- Phone Number: 8300213515



1. Title: GIFT Tilapia production in farm ponds

2. Introduction

Venukalidoss is a fish farmer from Marachery village doing fish culture for the past 10 years. He has 1 acre pond where he used to culture carps using the river water. He has little knowledge about fish culture and was doing this as an allied farming activity in addition to paddy culture. Usually the ponds were stocked with fingerlings of IMC purchased from local fish farms without carrying out any prestocking management measures. The fishes were fed with farm made feeds including boiled rice based on the feed intake of fishes. After a culture period of 8–9 months due to the shortage of water supply fishes are harvested and marketed in Thanjavur and Mannarkudi areas.

3. Problem identified

- Fertilization of pond is not done properly.
- Lack of awareness about GIFT tilapia culture in the village
- Lack of awareness about importance of feeding in fish culture
- Short duration of water availability in the village
- Long duration of culture for carps
- Prolific breeding behaviour of wild Tilapia fishes
- Water quality parameters are not taken into consideration/not tested before stocking fishes for culture.
- High stocking density of fishes

4. KVKs intervention

- Fish farmer was identified first for implementing GIFT tilapia culture technology in the village
- Fish pond was identified for stocking GIFT tilapia fishes
- Water quality parameters tested for suitability of water for culture
- Bunds were not constructed properly and suggestions were given to make it clear
- Advised to clear unwanted bushes and plants in the pond area
- Advised to add fertilizer (cow dung) for natural phytoplankton production
- GIFT tilapia of 1500 Nos were stocked in the area of 500m² pond

- Fishes were fed with commercial pellet feeds at 5% body weight for 3 months
- After 3 months it has reached an average body weight of 314g
- The fishes reached the market size within three months

5. Output and outcome

- An yield of around 376 kg were harvested from the culture
- Fishes were marketed as live at the rate of Rs.100/kg
- Gross income of Rs.37,680/- was achieved from the culture
- High resistance to diseases compared to carps
- Fish farmer is motivated to take up GIFT tilapia as next crop as this technology earns money in a short period of time with limited water availability
- He also commented on the palatability of GIFT tilapia as this has good consumer preference
- He also advised other fish farmers to take this technology as this has a suitability for our district



15. B. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year -NIL-

15. C. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

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

16. IMPACT

16.A. Impact of KVK activities (Not to be restricted for reporting period).

	No. of	Cultivable Area under Crop (in Hectare)		Productivity of the Crop (Per Hectare)	
Crops	OFT carried during the last five years	Before Dissemination of technology	After Dissemination of technology	Before Adoption of new technology	After Adoption of new technology
Rice	7	144055	164436	3653	3850
Black gram	3	31391	43030	563	750
Green Gram	1	23999	44299	580	725
Sugarcane	1	2685	2712	55000	68000
Ground Nut	1	1913	2673	2800	2900
Cotton	2	321	2633	205	230
Coconut	2	3401	4001	25200 Nuts	26900 Nuts
Vegetables	1	537	603	18560	19450
(Brinjal)					
Mango	1	1845	3160	6835	12000
Type of Non –	No. of OFT carried	Producti	vity/Yield	Change in inte	Income due to ervention f OFT
Crop Activities	during the last five years	Before Adoption of new technology	After Adoption of new technology	Before Adoption of new technology	After Adoption of new technology
Farm machinery	1	3653	3800	16088	25918
Animal feed to	1	150 liters	195 liters	2,325	3,420
increase milk					
production					

Impact of FLD carried out by the KVK in the district.

	No. of	Cultivable Area under Crop (in Hectare)		Productivity/Yield of the Crop (Per Hectare)	
Crops	during the last five years	Before Dissemination of technology	After Dissemination of technology	Before Adoption of new technology	After Adoption of new technology
Rice	24	144055	164436	3653	4031
Black gram	7	31391	43030	563	870
Green Gram	2	23999	44299	580	875
Sugarcane	1	2685	2712	55000	75000
Ground Nut	3	1913	2673	2800	3000
Cotton	1	321	2633	205	250
Coconut	3	3401	4001	25200 Nuts	28000 Nuts
Vegetables	14	537	603	18560	21600
Mango	2	1845	3160	6835	16000

Maize	3	27	50	5520	6000		
Non-Crop Activities							
Type of Non – Crop	No. of FLD carried	Productivity/Yield		Change in Income due to intervention of FLD			
Activities	during the last five years	Before Adoption of new technology	After Adoption of new technology	Before Adoption of new technology	After Adoption of new technology		
DSR under Tractor Drawn Seed drill	2	3653	4031	16088	25918		
Integrated Farming System	2	-	-	1,25,000	2,79,000		
Fisheries	2	613 gm(wt gain)	948 gm (wt gain)	25,289	29,565		
Animal feed supplements to increase milk production	2	150 liters	195 liters	2,325	3,420		

16. B. Cases of large scale adoption: NIL

16.C. Details of impact analysis of KVK activities carried out during the reporting period; Nil

17. LINKAGES

17.A. Functional linkage with different organizations

Name of organization	Nature of linkage			
State Dept. of Agriculture	• Jointly organized training, extension programmes			
	• Giving technical support and infrastructural support during monthly zonal			
	workshop.			
	• Jointly organized field diagnostic survey for pest and disease management			
	• Organizing Pre Kharif and Pre Rabi programmes			
	World Soil Day programme			
	• Flood / Drought assessment			
	• Yield performance assessment			
Dept. of Horticulture	• Jointly organized training programmes			
	• Offering need based technical guidance to the extension functionaries.			
	• Field diagnostic visit			
	• Organizing Pre Kharif and Pre Rabi programmes			
	• Flood / Drought assessment			
	• Yield performance assessment			
	• Third party Inspection on Drip irrigation unit at farmers field			
NABARD	Organizing Farm Science Club and exposure visits.			
Local NGOs SWEET,	Organizing on/off campus training Programmes and exposure visits, offering			
DHANYA, and CCD,	need based technical guidance			
TNJFU, TNAU, TANUVAS,	Technical consultancy and exchange of SMS during training programmes.			

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K VK-Thiruvarur,					
All India Radion, Karaikal,	• Offering radio programmes on latest crop production technologies and				
	periodical announcements of technologies on critical crop stage.				
	Offering Live TV programme on latest crop production technologies				
District Collectorate.	Farmers grievance day meeting, Organizing need based training programme				
	and promoting agricultural entrepreneurship, ATMA and PMFBY				
	programmes.				

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

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)
	Nil		

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