

ACTION PLAN 2025-26

1. General information about the Krishi Vigyan Kendra

1.1 Name of the KVK	ICAR - Krishi Vigyan Kendra
Address	Kilnelli village, Chithathur post, Vembakkam Taluk, Thiruvannamalai District, Tamil Nadu – 604 410
Phone	04182 – 290551, +91 6384093303.
Fax	-
e-mail	kvktvmalai91@gmail.com
1.2. Name of host organization	Tamil Nadu Board of Rural Development,
Address	359, Kilnelli Village, Chithathur post, Vembakkam Taluk, Thiruvannamalai District, Tamil Nadu – 604 410
Phone	04182-291024
e-mail	tnbrd1978@gmail.com
1.3. Year of sanction	1991
1.4. Website of the KVK	www.kvkthiruvannamalai.com
Date of last update	20.06.2025

1.5. District map with location of the KVK : (12.75123, 79.61514)



2. Details of staff as on date (30-04-2025)

S. No	Sanctioned Post	Name	Discipline	Date of joining	Present Pay Scale
01	Senior Scientist and Head	Vacant	-	-	-
02	Subject Matter Specialist	Mr.V.Suresh	M.Sc., (Agricultural Extension)	20.01.2014	Level 10
03		Mrs.T.Margaret	M.Sc., M.Phil., (Home Science)	04.07.2003	
04		Mr.P.Narayanan	M.Sc., (Plant Pathology)	08.01.2014	
05		Dr.K.Mayakrishnan	M.V.Sc., (Veterinary Extension)	01.07.2019	
06		Miss.M.Ishwarya	M.Sc., (Agronomy)	10.03.2021	
07		Mr.R.Vijayakumar	M.Sc., (Horticulture)	01.02.2023	
08	Programme Assistant/T4-1	Mr.O.Sekar	MCA Computer Science	01.09.1997	Level 6
09	Programme Assistant/T4-2	Mr.P.Chowthry	B.Sc., Agriculture	02.02.2023	
10	Farm Manager/T4	Miss.M.Santhi	B.Sc., Agriculture	28.06.2019	
11	Administrative Staff 1 (Assistant)	Mrs.M.Viji	M.Com.,	01.02.1993	
12	Administrative Staff 2 (Stenographer Grade III)	Mr.K.Vasimalai	B.Com.,	01.02.2023	Level 4
13	Driver/T1 - 1	Mr.S.Janarthan	VIII std	01.09.1993	Level 3
14	Driver/T1 - 2	Mr.T.Selvaraj	X std	01.01.1996	
15	Supporting Staff 1	Mr.T.Varadhan	V std	01.02.1994	Level 1
16	Supporting Staff 2	Mr.G.Selvam	IV std	01.07.1995	

3. Details of SAC meeting(s) conducted during 2024-25

Date(s) of SAC meeting(s) Conducted : 12.03.2025

Suggestions and recommendations of the SAC and Action Taken on the Recommendations

S. No.	Suggestions/ Recommendations	Name of the SAC Member	Action Taken in brief
1	<ul style="list-style-type: none"> ▪ KVK should promote fodder production and marketing among farmers. ▪ He also emphasized the need for KVK to focus on soil and water conservation. 	<p>Shri.S.Ramesh, President, TNBRD, Chennai</p>	<ul style="list-style-type: none"> ▪ Trainings and awareness programmes are planned in collaboration with Department of Animal husbandry. ▪ Soil health camps, bio char production and promotion of dynamic farming is planned.
2	<ul style="list-style-type: none"> ▪ KVK identify the reasons for production losses in paddy, groundnut, blackgram, sugarcane, milk and work on mitigating these issues. ▪ He mentioned that KVK should fill the vacant position of Senior Scientist and Head and increase the revolving fund in the upcoming year. ▪ He also suggested that the KVK should document success stories showcasing the technology interventions it has implemented and broadcast them on radio and television for the wider spread. 	<p>Dr. A Bhaskaran Principal Scientist, ICAR ATARI, Zone X, Hyderabad</p>	<ul style="list-style-type: none"> ▪ It is planned to identify the production losses in collaboration with Department of Agriculture and other line departments. Solutions will be incorporated in the KVK mandated activities. ▪ Steps will be taken for the filling up of SSH in the current year. ▪ Documentation of success stories planned and it will be broadcasted to mass media for wider spread.

3	<ul style="list-style-type: none"> ▪ Importance of documenting the impacts of training conducted by KVK. ▪ He suggested conducting demonstrations on fine grain paddy varieties and displays all departmental schemes on the KVK premises. 	<p>Dr. A. Thirumurugan, Programme Coordinator, KVK Vellore</p>	<ul style="list-style-type: none"> ▪ KVK has been documenting larger scale technology adoption as impact study every year. Planned to include training impacts from the forthcoming year. ▪ Demonstration on fine grain paddy variety has been included in the action plan of 2025-26. Collection of department wise schemes are in progress.
4	<ul style="list-style-type: none"> ▪ KVK should promote fish farming in the district and publicize the success stories of farmers through mass media. 	<p>Dr. M. Kumaran, Principal Scientist, CIBA, Chennai</p>	<ul style="list-style-type: none"> ▪ In collaboration with department of fisheries and central institute of fisheries, Cochin, various promotional activities on fish farming is planned.
5	<ul style="list-style-type: none"> ▪ To promote the use of groundnut seed drill and pod stripper among farmers and conduct awareness sessions on drone applications in the district. 	<p>Mr. S. Sundaram, DD Agriculture (GOI) Thiruvannamalai</p>	<ul style="list-style-type: none"> ▪ Planned during 2025-26
6	<ul style="list-style-type: none"> ▪ KVK should conduct training on nutrient management in paddy and demonstrate the use of chisel ploughs among farmers. 	<p>Dr. S. Babu, Associate Professor, AC&RI, TNAU, Vazhavachanur</p>	<ul style="list-style-type: none"> ▪ Planned during 2025-26
7	<ul style="list-style-type: none"> ▪ Promote the use of ethanoveterinary practices among farmers and the 10-cent model fodder production technology. ▪ He also suggested utilizing TRPVB technologies in KVK programs and publishing the success stories of farmers through mass media. 	<p>Dr. R. Durairajan, Associate Professor, VUTRC, Melmaruvathur</p>	<ul style="list-style-type: none"> ▪ Training and awareness programme is planned to promote EVM practices. ▪ Included in the FLD programme and 10cent model fodder production technology planned for the SCSP and TSP farmers.

8	<ul style="list-style-type: none"> Utilize the services of CEM experts and organize an exposure visit to the Community Science College and Research Institute in Madurai, as well as to the Centre for Post Harvest Technology and Department of Agribusiness Development at TNAU Coimbatore. KVK should also demonstrate the Finger millet ATL-2 variety in the district. 	<p>Dr.M.Vaithiyalingan The Professor and Head, Centre of Excellence in Millets, Thiruvannamalai.</p>	<ul style="list-style-type: none"> Planned during Rabi 2025-26.
9	<ul style="list-style-type: none"> Focus on branding and marketing of value-added products and pursue eco-tourism development at Jawadhu hills. 	<p>Mr.Vijay Neehar DDM, NABARD, Chennai Metro cluster, Thiruvannamalai.</p>	<ul style="list-style-type: none"> The detailed proposal for the eco-tourism development at Jawadhu hill will be submitted for the approval by NABARD.
10	<ul style="list-style-type: none"> KVK to demonstrate groundnut diggers and pod strippers. He also suggested conducting water budgeting for the effective utilization of available water. 	<p>Mr. M. Palani, Assistant Engineer, Department of Agri Engineering, Anakkavur</p>	<ul style="list-style-type: none"> Demonstration and awareness programme are planned in collaboration with Department of Agriculture Engineering.
11	<ul style="list-style-type: none"> KVK may focus on training and awareness programs for mulberry production and silkworm rearing. 	<p>Mr. P. Mani, Junior Silk Inspector for Sericulture, Thiruvannamalai</p>	<ul style="list-style-type: none"> Planned during 2025-26
12	<ul style="list-style-type: none"> KVK produce and supply vegetable seedlings to farmers and conduct training on off-season production of horticultural crops. She also recommended conducting Integrated Pest Management (IPM) training for chillies, mangoes, and combating the coconut rugose spiralling whitefly. 	<p>Mrs. P. Deivasigamani, ADH, Department of Horticulture and Plantation Crops, Anakkavur</p>	<ul style="list-style-type: none"> A separate FIG is planned for the production and supply of vegetable seedlings through skill training. IPM practices for the listed crops have been included in the mandated activities for the year 2025-26.

13	<ul style="list-style-type: none"> ▪ Creating awareness on millet marketing among millet growers. ▪ She also suggested including directors CEO's of FPOs in the KVK buy & selling group. 	Mrs. S. Shemila Jeyanthi, Deputy Director, Department of Agribusiness and Agri- marketing, Thiruvannamalai	<ul style="list-style-type: none"> ▪ KVK's owned mobile application agriismart is under construction and will be launched during the year 2025-26 for marketing and integrating the FPO at state level.
14	<ul style="list-style-type: none"> ▪ KVK should conduct off-campus training programs on fish value addition for fishermen communities. 	Mr. S. Ganapathy, Inspector of Fisheries and Fisherman Welfare, Thiruvannamalai	<ul style="list-style-type: none"> ▪ Planned during 2025-26.
15	<ul style="list-style-type: none"> ▪ KVK to explain the schemes of DIC in its programs. 	Mr.K.Dhanapal District Industrial Centre, Thiruvannamalai	<ul style="list-style-type: none"> ▪ Included in all the mandated activities.
16	<ul style="list-style-type: none"> ▪ Increase KVK staff strength for the effective implementation of its activities. 	Mr.K.V.Palani, Farmer, Kalambur, Polur, Thiruvannamalai.	<ul style="list-style-type: none"> ▪ KVK has been functioning as per the ICAR rules and guidelines.
17	<ul style="list-style-type: none"> ▪ KVK should promote natural and organic farming in the district. 	Mr.M.Velayutham, Farmer, Brammadesam, Vembakkam, Thiruvannamalai.	<ul style="list-style-type: none"> ▪ A total of 2 training programmes and 4 demonstrations are planned in collaboration with Department Agriculture in the current year.
18	<ul style="list-style-type: none"> ▪ KVK should demonstrate newly released crop varieties in the district. 	Mr. K. Karthikeyan, Farmer, Mottur, Kalasapakkam, Thiruvannamalai	<ul style="list-style-type: none"> ▪ Included in the OFT and FLD of 2025-26 action plan.
19	<ul style="list-style-type: none"> ▪ KVK should conduct training on millet value addition and help develop entrepreneurs. 	Mr. P. Manimozhi, Farm woman, Sorappathur, Thiruvannamalai.	<ul style="list-style-type: none"> ▪ Planned during 2025-26.

Proposed date/month of SAC Meeting to be held in 2025-26 : 18.12.2025

4.0. Capacity Building activities planned for KVK Staff

4.1. Plan of Human Resource Development of KVK personnel during 2025-26

S. No	Name of the Head/ SMS/Staff	Area of Training	Institution proposed to attend	Duration	Dates (dd/mm/yy)
1	V.Suresh, SMS and SS & Head	State level workshop on Developing Climate Resilient farming	Agro climate Researach Centre, TNAU, Coimbatore & ATARI, Hyderabad	2 days	17-06-2025 to 18-06-2025
2		Effective ways for promotion of publicprivate partnership in agriculture	Webinar - MANAGE Online	1 day	22-08-2025
3		Training Program on Agri Exports / Consultancy	On-Campus, MANAGE - Consultancy	3 days	17-.09-2025 to 19-09-2025
4		Strengthening of FPOs through business promotion	Collaborative online, Tamil Nadu Agricultural University, Coimbatore	1 day	Sep'2025
5	Mrs.T.Margaret, SMS Home Science	Mahila Kisan Diwas	On-Campus, MANAGE	1 day	15-10-2025
6		Traditional Foods as a Pathway to Improved Nutrition and Gender Equity	Webinar iECHO	1 day	20-11-2025
7	Mr.P.Narayanan, SMS Plant Protection	Natural farming for Scientists of KVK and Farmer Master Trainers	National Institute of Agricultural Extension Management, Hyderabad &	4 days	17-06-2025 to 20-06-2025
8		Carbon Finance for Agriculture – A Tool Towards Climate Risks Mitigation	National Institute of Agricultural Extension Management, Hyderabad &	1 day	24.07.2025
9		Phytosanitary measures for export as Safe export	National Institute of Plant Health Management, Hyderabad.	3 days	10.11.2025 to 12.11.2025
10	Dr.K.Mayakrishnan, SMS Animal Science	Poultry Production and Management	TANUVAS, Chennai	3 days	05-11-25 to 07-11-25

11	Miss.M.Ishwarya SMS Agronomy	Climate Smart Agriculture Technologies	Collaborative Online, Annamalai University, Tamilnadu & ICAR Central Research Institute for Dryland Agriculture,	3 days	12-08-25 to 14-08-2025
12	Mr.R.Vijayakumar, SMS Horticulture	Natural farming for Scientists of KVK and Farmer Master Trainers	National Institute of Agricultural Extension Management, Hyderabad &	4 days	17-06-2025 to 20-06-2025
13		Dissemination of Climate Smart Horticultural Technologies	ICAR-IIHR, Hessaraghatta Lake post, Bengaluru	3 days	13.09.25 to 15.09.25
14		Precision Farming and Smart Irrigation Practices	iECHO	1 day	11.09.2025

5. Cross-learning across KVKs planned during 2025-26

S.No.	What expertise/ resources KVK can offer/ share to other KVKs		What you expect from other KVKs	
	Subject area/ resource/ expertise	Mention Other KVK	Subject area/ resource/ expertise	Mention source KVK
1	Vegetable Special supply	KVK Dharmapuri, Krishnagiri, Tirunelveli	Vermicompost production using molasses / Tribal Sub Plan project	KVK Perambalur, KVK Ariyalur
2	Integrated farming system	KVK Theni, Tuticorin	Innovative agriculture and horticulture techniques	Within the zone – KVK Kurnool
3	Supply of pulses, oilseeds, Native vegetable and Fodder seeds	KVK Coimbatore, KVK Krishnagiri	Organic agriculture	Outside zone – KVK Bengaluru Rural
4	Improved varieties in Millet	KVK Krishnagiri	Bio agents and organic inputs	KVK Pudhucherry

6. Operational areas proposed during 2025-26

6.1. Details of operational area/cluster villages

District/ Taluk/Block	Major crops & enterprises	Prioritized problems in these crops/ enterprise	Extent of area (ha/No.) affected	Names of cluster Villages identified for intervention	Proposed intervention
Vembakkam	Paddy	Cultivation of old varieties, lack of awareness on season specific varieties, Lack of adoption of improved varieties, low yield, lack of awareness on IPDM, Severe infestation of Brown plant hopper, Blast, BLB, stem borer, leaf folder Gall midge, Tungro, False smut and wild boar, rat and extensive use of chemical pesticides. Drudgery reduction.	1820	Vembakkam (Vellakulam, Vadamanapakkam) SCSP village (Karanthai, Chettithangal Vengalathur)	OFT, FLD, FFS, Training, Extension activities.
	Groundnut	Cultivation of old varieties, Low yield, Less drought tolerant variety, Incidence of Root rot, leaf spot, rust, Leaf minor and Spodoptera, Wild boar damage, poor yield. Lack of knowledge on value addition.	778		
	Blackgram	Lack of knowledge on disease resistant variety, Low market price for small size and non-shiny seeds, Non synchronized maturity, Incidence of YMV, Aphids, and Powdery mildew. Post harvest management	338		
	Redgram	Prolonged cultivation of age old varieties, Low market price for small size and non-shiny seeds, Non synchronized maturity, Incidence of sterility mosaic virus, Aphids and Powdery mildew. More labour required for grading and, winnowing of pulses.	35		
	Tomato	Low yield, Flower drop, Lack of application of growth regulators, Lack of adoption of improved hybrids and technologies, Leaf curl in tomato, Poor quality seedlings. Low market price during On season. High Nutrient deficiency during growth period.	27		

District/ Taluk/Block	Major crops & enterprises	Prioritized problems in these crops/ enterprise	Extent of area (ha/No.) affected	Names of cluster Villages identified for intervention	Proposed intervention
	Bhendi	Low yield, Imbalanced nutrition, Non adoption of improved varieties and technologies, susceptible to Yellow vein Mosaic Virus, crucial process during harvest (Thorny stems leads cuts injuries and rashes).	48		
	Goat	The ticks, fleas, sucking, biting lice and wound are major issues in Goat production. it will affect the feed intake in turn it will reduce the growth of animals.	350		
	Cow	Low milk production, Low milk fat, High disease incidence of mastitis. Lack of awareness on clean milk production.	470		
	Poultry	Less number of egg production, Low hatchability, Chick mortality, Less feed efficiency.	360		
	Fish	High mortality, Low yield, Lack of knowledge on fish farming.	140		
Cheyyar	Paddy	Cultivation of old varieties, Lack of awareness on season specific varieties, Yield reduction. Severe infestation of Brown plant hopper, Blast, BLB, stem borer, leaf folder Gall midge, Tungro, False smut, wild boar & extensive use of chemical pesticides. Drudgery reduction	1670	Cheyyar (Siruveliyanallur Kazhiyur, Vanniyanthangal) SCSP village (Karanai, Kunnavakkam)	OFT, FLD, CFLD, Training, Extension activities.
	Finger Millet	Lack of awareness on high yielding & drought tolerant variety, Lack of knowledge on value addition. Low market value for raw millets.	270		
	Redgram	Prolonged cultivation of age old varieties, Low market price for small size and non-shiny seeds, Non synchronized maturity, Incidence of sterility mosaic virus, Aphids and Powdery mildew. More labour required for grading and, winnowing of pulses.	22		

District/ Taluk/Block	Major crops & enterprises	Prioritized problems in these crops/ enterprise	Extent of area (ha/No.) affected	Names of cluster Villages identified for intervention	Proposed intervention
	Chilli	Low yield, Imbalanced nutrition, Lack of adoption of location specific hybrids, lack of knowledge on growth regulators for flower drop, Low Dry Recovery and High incidence of leaf curl, mites, thrips and fruit borer.	79		
	Poultry	Less number of egg production, Low hatchability, Chick mortality, Less feed efficiency.	738		
	Cow	Low milk production, High disease incidence of mastitis. Lack of awareness on clean milk production. Value addition.	689		
Vandavasi	Paddy	Cultivation of old varieties, Lack of adoption of improved varieties, low yield, lack of awareness on IPDM, Severe infestation of Brown plant hopper, Blast, BLB, stem borer, leaf folder Gall midge, Tungro, False smut, wild boar & extensive use of chemical pesticides. Drudgery reduction.	1375	Vandavasi (Desur, Mavalavadi, Sorapathur) SCSP village (Thensenthamangalam Kavaniyathur, Arungunam, Senal)	OFT, FLD, Training, Extension activities.
	Groundnut	Cultivation of old varieties, Low yield, Less drought tolerant variety, Incidence of Root rot, leaf spot, rust, Leaf minor and Spodoptera, Wild boar damage, poor yield. Lack of knowledge on value addition.	705		
	Blackgram	Prolonged cultivation of age old varieties, Low market price for small size and non-shiny seeds, Non synchronized maturity, Incidence of YMV, Aphids, and Powdery mildew. More labour required for grading and, winnowing of pulses.	490		
	Ridge gourd, Bitter gourd, Snake gourd	Low fruit set, low number of female flower, Lack of adoption of location specific hybrids and improved technologies, Imbalanced nutrition, High incidence of	185		

District/ Taluk/Block	Major crops & enterprises	Prioritized problems in these crops/ enterprise	Extent of area (ha/No.) affected	Names of cluster Villages identified for intervention	Proposed intervention
	Water melon	mosaic, fruit fly, Sucking pests, Downy mildew and powdery mildew.	59		
	Fruits and Vegetables	No value addition, Low market price, Lack of knowledge on value addition.	520		
	Herbal garden	Lack of awareness on medicinal plants cultivation and its usage for common ailment.	-		
	Goat	The ticks, fleas, sucking and biting lice are major issues in Goat production. it will affect the feed intake in turn it will reduce the growth of animals.	350		
	Cow	Low milk production, High disease incidence of mastitis. Lack of awareness on clean milk production. Value addition.	550		
	Fodder	Feeding of low protein fodder for dairy animals Lack of awareness about cultivation of fodder crops.	41		
Polur	Paddy	Cultivation of old varieties, lack of awareness on season specific varieties, Yield reduction. Lack of adoption of improved varieties, low yield, lack of awareness on IPDM, Severe infestation of Brown plant hopper, Blast, BLB, stem borer, leaf folder Gall midge, Tungro, False smut, wild boar & extensive use of chemical pesticides.	3150	Kalambur (Kalambur, Erikuppam) TSP village Jamunamarathur	OFT, FLD, Training, Extension activities.
	Groundnut	Lack of awareness on the new varieties, less drought tolerant, Cultivation of VRI 2, Lack of awareness on non diary flavoured milk, Low market price	1050		
	Banana	Low bunch grade and weight, Fusarium wilt,	490		

District/ Taluk/Block	Major crops & enterprises	Prioritized problems in these crops/ enterprise	Extent of area (ha/No.) affected	Names of cluster Villages identified for intervention	Proposed intervention
		Nematode incidence, Pseudo stem weevil and Sigatoka leaf spot, Imbalanced nutrition, Low yield, more in flower drop, Lack of application on growth regulators, Cultivation of local variety, Lack of adoption of improved hybrids and technologies, Imbalanced nutrition, Poor quality seedlings. Lack of knowledge on value addition.			
	Tomato	Low yield, Flower drop, Lack of application of growth regulators, Cultivation of private hybrids, Lack of adoption of improved hybrids, Incidence of pin worm, wilt, nematode, Early leaf blight, Tospo virus. Imbalanced nutrition. Lack of awareness on MN mixture, Leaf curl in tomato, Incidence of fruit borer and Wilt, Imbalanced nutrition, Lack of knowledge on improved planting methods, Lack of knowledge on value addition.	48		
	Goat	Lack of knowledge scientific goat rearing, High kid mortality, Low body weight gain, Infertility problem.	488		
	Milk	Distress sale of milk, Lack of awareness in processing, Low shelf life, Bland flavour of paneer, Lack of variety in paneer.	-		
Kalasapakkam	Paddy	Cultivation of old varieties, lack of awareness on season specific varieties, Yield reduction. Lack of adoption of improved varieties, lack of awareness on IPDM, Severe infestation of Brown plant hopper, BLB, stem borer, leaf folder, Tungro, False smut, wild boar.	1450	Kalasapakkam (Pathiyavadi, Anaivadi) SCSP village Kapalur	OFT, FLD, Training, Extension activities.

District/ Taluk/Block	Major crops & enterprises	Prioritized problems in these crops/ enterprise	Extent of area (ha/No.) affected	Names of cluster Villages identified for intervention	Proposed intervention
	Groundnut	Lack of awareness on the new varieties, less drought tolerant, Cultivation of VRI 2, Incidence of Root rot, leaf spot, rust, Leaf minor and Spodoptera, poor yield. Lack of knowledge on value addition.	475		
	Blackgram	Prolonged cultivation of age old varieties, Low market price for small size and non-shiny seeds, Non synchronized maturity, Incidence of YMV and Aphids. More labour required for grading, winnowing of pulses.	152		
	Finger millet	Cultivation of old varieties ,Lack of awareness on high yielding & drought tolerant variety, High incidence of Blast disease , Low yield, Lack of knowledge on value addition. Low market value for raw millets.	86		
	Tuberose	Low yield, Non adoption of improved production technologies and varieties, High incidence of nematode, Mealy bug and Sucking pests.	126		
	Sugarcane	Low yield due to water scarcity, Lack of awareness on irrigation schedule, Lack of awareness on value addition	186		
Arni	Paddy	Cultivation of old varieties, lack of awareness on season specific varieties, Yield reduction. Lack of adoption of improved varieties, low yield, lack of awareness on IPDM, Severe infestation of Brown plant hopper, Blast, BLB, stem borer, leaf folder Gall midge, Tungro, False smut, wild boar & extensive use of chemical pesticides.	1620	Arni (Anjiputhur, Thachur, SV Nagaram) SCSP village Mattathari	OFT, FLD, CFLD, Training, Extension activities.
	Blackgram	Prolonged cultivation of age old varieties, Low market price and non-shiny seeds, Non synchronized maturity,	127		

District/ Taluk/Block	Major crops & enterprises	Prioritized problems in these crops/ enterprise	Extent of area (ha/No.) affected	Names of cluster Villages identified for intervention	Proposed intervention
		lack of knowledge on resistant variety, Incidence of YMV and Aphids.			
	Turmeric	Shortage of quality seed rhizomes, Imbalanced nutrition and incidence of leaf spot, rhizome rot, sucking pest and lack of knowledge on IDM practices.	92		
	Brinjal	Low yield, Flower drop, Lack of application of growth regulators, Cultivation of local variety, Lack of adoption of improved hybrids and technologies, Leaf curl in tomato, Incidence of shoot & fruit borer and little leaf, Wilt, Poor quality seedlings and field establishment. Low market price during on season.	74		
	Bhendi	Low yield, Imbalanced nutrition, Non adoption of improved technologies, Yellow vein Mosaic Virus. Lengthy time consuming process, crucial process during harvest (Thorny stems leads cuts injuries and rashes).	52		
	Fodder	Feeding of low protein fodder for dairy animals Lack of awareness about cultivation of fodder crops.	310		
	Cow	Low milk production, High disease incidence of mastitis. Lack of awareness on clean milk production. Value addition.	4300		
	Poultry	Less number of egg production, Low hatchability, Chick mortality, Less feed efficiency, Low body weight gain.	220		
	Nutritional security - Herbal	Wide spread prevalence on macro and micronutrient deficiency, Lack of awareness on linkage between sanitation, health and nutrition.	-		

District/ Taluk/Block	Major crops & enterprises	Prioritized problems in these crops/ enterprise	Extent of area (ha/No.) affected	Names of cluster Villages identified for intervention	Proposed intervention
Chetpet	Paddy	Cultivation of old varieties, lack of awareness on season specific varieties, Yield reduction. Lack of adoption of improved varieties, low yield.	1020	Chetpet (Indiravanam, Othalavadi) SCSP village Sanikkavadi	OFT, FLD, Training, Extension activities
	Groundnut	Lack of awareness on the new varieties, less drought tolerant, Incidence of Root rot, leaf spot, leaf minor and Spodoptera, poor yield. Lack of knowledge on value addition.	830		
	Brinjal	Low yield, Lack of application of growth regulators, Lack of adoption of improved hybrids and technologies, Incidence of shoot & fruit borer and little leaf, hadda beetle, Imbalanced nutrition, Low market.	42		
	Chilli	Low yield, Imbalanced nutrition, Lack of adoption of location specific hybrids, Flower drop, Low Dry Recovery and incidence of root rot, Fruit rot, High incidence of leaf curl, mites, thrips and fruit borer. Low yield, Imbalanced nutrition,	93		
	Jasmine	Lack of awareness on pruning techniques, low yield due to less knowledge on improved cultivation technologies, high incidence of thrips, budworm, imbalanced nutrition and micro nutrient deficiency.	34		
	Poultry	Less number of egg production, Low hatchability, Chick mortality, Less feed efficiency, Low body weight gain.	220		
	Sheep	Kid mortality, Low weight gain, Poor knowledge on disease management, Lack of knowledge on vaccination.	1810		

District/ Taluk/Block	Major crops & enterprises	Prioritized problems in these crops/ enterprise	Extent of area (ha/No.) affected	Names of cluster Villages identified for intervention	Proposed intervention
Kilpennathur	Groundnut	Lack of awareness on the new varieties, less drought tolerant, Cultivation of VRI 2, Incidence of Root rot, leaf spot, rust and Spodoptera, poor yield. Lack of knowledge on value addition.	1252	Kilpennathur (Thideerkuppam, Vedanatham)	OFT, FLD, Training, Extension activities
	Pulses	Lack of awareness on storage methods, high incidence of storage pests.	320		
	Millet	Lack of knowledge on improved variety and value addition. Low market value for raw millets.	125		
	Brinjal	Flower drop, Cultivation of local variety, Lack of adoption of improved hybrids and technologies, Incidence of shoot & fruit borer and little leaf, Imbalanced nutrition. Low market price.	71		
	Chilli	Low yield, Imbalanced nutrition, Lack of adoption of location specific hybrids, Flower drop, Low Dry Recovery and incidence of root rot, Fruit rot, Leaf curl. High incidence of leaf curl, mites, thrips and fruit borer.	85		
	Ridge gourd	Low fruit set, low number of female flower, Lack of adoption of location specific hybrids and improved technologies, Imbalanced nutrition, High incidence of mosaic, fruit fly, Sucking pests, Downy mildew and powdery mildew.	66		
	Milk	Distress sale of milk, Lack of awareness in processing, Low shelf life, Bland flavour of paneer , Lack of variety in paneer.	-		

District/ Taluk/Block	Major crops & enterprises	Prioritized problems in these crops/ enterprise	Extent of area (ha/No.) affected	Names of cluster Villages identified for intervention	Proposed intervention
Jamunamarathur	Millet	Lack of knowledge on improved variety and value addition. Low market value for raw millets.	1255	Jamunamarathur	OFT, FLD, Trainings, Extension activities
	Paddy	Low yield, Lack of awareness on IPDM, Severe infestation of Brown plant hopper, Blast, BLB, stem borer, leaf folder Gall midge, Tungro, False smut, wild boar & extensive use of chemical pesticides.	197		
	Tapioca	Low yield, Cultivation of local variety, Lack of adoption of improved hybrids and production technologies.	56		
	Bee keeping	Low production, Lack of knowledge on scientific bee keeping, Poor value addition	-		
	Pig	Low body weight, Lack of knowledge on improved breed	475		
	Goat	Lack of knowledge scientific goat rearing, High kid mortality, Low body weight gain, Infertility problem.	530		
	Poultry	Less number of egg production, Low hatchability, Chick mortality, Less feed efficiency, Low body weight gain.	220		
	Cow	Low milk production, High disease incidence of mastitis. Lack of awareness on clean milk production. Value addition.	1100		
	Tamarind	Lack of knowledge on value addition and PHT	-		

6.2. Details of adopted villages

District/Taluk/ Block	Name of cluster villages	Major crops & Enterprises	Major problems identifies in each crop/enterprise	Proposed type of interventions
Thiruvannamalai district	Sathupperipalayam Vazhur, Padavedu, Kilnelli, Palli	Paddy	Cultivation of old varieties, High infestation of pest & diseases BPH, Stem borer, Tungro, BLB and Blast, High incidence of pest and disease, Yield reduction. No value addition.	Training, Extension activities, Special programme
		Millet	Cultivation of old varieties, Lack of awareness on high yielding & drought tolerant variety, High incidence of Blast disease, Low yield, Lack of knowledge on value addition. Low market price.	Training, Awareness programme
		Groundnut	Lack of awareness on the new varieties, less drought tolerant, Cultivation of VRI 2, Incidence of Root rot, leaf spot, rust and Spodoptera, poor yield. Lack of knowledge on value addition.	Training, Special programme
		Blackgram	Prolonged cultivation of age old varieties, Non synchronized maturity, Incidence of YMV, Aphids, and Powdery mildew. More labour required for grading and, winnowing of pulses.	FLD, Training and Extension activities
		Tomato	Low yield, Flower drop, Lack of application of growth regulators, Cultivation of private hybrids, Lack of adoption of improved hybrids, Incidence of pin worm, wilt, nematode, Early leaf blight, Tospo virus. Imbalanced nutrition. Poor quality seedlings and field establishment. No value addition.	OFT, Training, Extension activities
		Banana	Low bunch grade and weight, Fusarium wilt, Nematode incidence, Pseudo stem weevil and Sigatoka leaf spot, Imbalanced nutrition, Lack of knowledge on improved planting methods, Lack of knowledge on value addition.	FLD, Training and Extension activities
		Cow	Low milk production, High disease incidence. Infertility due to repeat breeding, Lack of awareness on clean milk production.	Training, Extension activities
Poultry	Less number of egg production, Low hatchability, Chick mortality, Less feed efficiency.			

6.3. Details of DFI villages

District/ Taluk/ Block	Name of cluster villages	Major crops & Enterprises	Major problems identifies in each crop/enterprise	Proposed type of interventions
Cheyyar	Siruveliyallur	Paddy	Cultivation of old varieties, Yield reduction. Lack of adoption of improved varieties, low yield, lack of awareness on IPDM, Severe infestation of Brown plant hopper, Blast, BLB, stem borer, leaf folder Gall midge, Tungro, False smut, wild boar & extensive use of chemical pesticides.	FLD, Trainings, Extension activities
		Blackgram	Low market price for small size and non-shiny seeds, Non synchronized maturity, Incidence of YMV, Aphids, and Powdery mildew. More labour required for grading.	Training and Extension activities
		Cow	Low milk production, High disease incidence of mastitis. Lack of awareness on clean milk production. Value addition.	FLD, Training, Extension activities
		Herbal garden	Lack of awareness on medicinal plants cultivation and its usage for common ailment.	Training and Extension activities
		Fodder	Feeding of low protein fodder for dairy animals, Lack of awareness about cultivation of fodder crops.	Training and Extension activities
Arni	Mattathari	Paddy	Cultivation of old varieties, Yield reduction. Lack of adoption of improved varieties, low yield, lack of awareness on IPDM, Severe infestation of Brown plant hopper, Blast, BLB, stem borer, leaf folder Gall midge, Tungro, False smut, wild boar & extensive use of chemical pesticides.	OFT, Trainings, Extension activities
		Blackgram	Prolonged cultivation of age old varieties, Low market price and non-shiny seeds, Non synchronized maturity, lack of knowledge on resistant variety, Incidence of YMV and Aphids.	OFT, Training and Extension activities

District/ Taluk/ Block	Name of cluster villages	Major crops & Enterprises	Major problems identifies in each crop/enterprise	Proposed type of interventions
		Groundnut	Lack of awareness on the new varieties, less drought tolerant, Cultivation of VRI 2, Incidence of Root rot, leaf spot, leaf minor and Spodoptera, poor yield. Lack of knowledge on value addition.	Trainings, Extension activities
		Turmeric	Shortage of quality seed rhizomes, Imbalanced nutrition and incidence of leaf spot, rhizome rot, sucking pest and lack of knowledge on IDM practices.	Trainings, Extension activities
		Brinjal	Low yield, Flower drop, Lack of application of growth regulators, Cultivation of local variety, Lack of adoption of improved hybrids and technologies, Leaf curl in tomato, Incidence of shoot & fruit borer and little leaf, Wilt, Imbalanced nutrition, Poor quality seedlings and field establishment. Low market price during on season.	OFT, Training
		Fodder	Feeding of low protein fodder for dairy animals Lack of awareness about cultivation of fodder crops.	Trainings, Extension activities
		Poultry	Less number of egg production, Low hatchability, Chick mortality, Less feed efficiency, Low body weight gain.	Trainings, Extension activities
		Cow	Low milk production, High disease incidence of mastitis. Lack of awareness on clean milk production. Value addition.	FLD, Training, Extension activities
		Mushroom	Lack of awareness on ready to use mushroom product, Low market price during on-season	Trainings, Extension activities

7. Summary (targets) of mandated activities planned for the year 2025-26

S.No.	Activities	Target
1. On- farm trials		
	a. No of OFTs	14
	b. No of Technologies (Total new technologies except FP)	28
	c. No. of locations (No. of Villages)	14
	d. No. of Beneficiaries (No. of Farmers fields)	70
	e. Area (Total area in ha)	23
2. Frontline Demonstrations		
	a. No. of FLDs	19
	b. No. of Locations (No of villages)	19
	c. No. of Beneficiaries (No of Farmers fields)	180
	d. Area (Total Area planned in ha)	46
3. Trainings for Farmers and Farm Women		
	a. No. of programmes	110
	b. No. of participants	2200
4. Trainings for Rural Youth		
	a. No. of programmes	15
	b. No. of participants	300
5. Trainings of Extension Personnel		
	a. No. of programmes	10
	b. No. of participants	250
6. Extension Activities		
	No. of activities	335
	No. of participants	47750
7. Production of seed (in quintals)		
	Paddy ADT-36, CO51	75.0
	Groundnut TMV(Gn)14	7.0
	Groundnut TCGS 1694	10.0
	Blackgram	20.0
	Fodder seeds	30.0
	Native vegetable seeds	0.5
8. Production of planting materials (in Nos.)		
	Fruit plants	1200
	Coconut seedlings	600
	Forest Tree seedlings	1000

Fodder setts		10000
9. Production of live-stock strains and finger lings (Category wise Nos.)		
Goat		25
Poultry Chicks- Desi bird		1000
Japanese quail		2000
10. Production of bio inputs (quantity in kg) (Item-wise in Qtl)		
<i>Trichoderma asperellum</i>		2.0
<i>Bacillus subtilis</i>		2.0
11. Production of other inputs (specify unit) (Item-wise in Qtl)		0.0
Vermicompost		95.0
Vermiworms		1.0
Azolla		0.8
Spawn and mushroom		1.7
Vegetable Special (kg)		4.0
12. Kisan mobile advisories		
	No. of messages	25
	No. of technologies	25
	No. of farmers	12000
Other mobile advisories		
	No. of messages	25
	No. of technologies	25
	No. of farmers	60000
13. Soil testing		
	No. of soil sample testing using Mobile Soil Testing Kit	100
	No. of soil sample testing in conventional laboratory	700
Water sample Testing (samples in No.)		100
Soil Health Cards		
	No. of Cards using Mobile Soil Testing Kit data	100
	No. of Cards using Laboratory data	800

8. Technology Assessments proposed during 2025-26

8.1. Summary of OFTs

S. No.	Crop/ enterprise	Title of intervention	Technological options TO-1, TO-2 FP	Source of Technology TO-1 TO-2	Status	No. of trials (replications)	Total cost involved (Rs.)	Team members involved	No. of trials targeted in DFI village (s)	No. of trials targeted under SC-SP
1	Paddy	Assessment of Paddy varieties for higher productivity	TO1: Paddy-CO 55 TO2: Paddy - RNR 15048 FP: BPT 5204	TO1: TNAU – 2022 TO2: ICAR-IIRR 2015	New	5	11125.00	SMS-Agronomy, SMS- Plant Protection, Senior Scientist and Head.	0	0
2	Groundnut	Assessment of Groundnut varieties for higher productivity	TO1: Groundnut VRI 10 TO2: Groundnut TCGS 1694 FP: Groundnut VRI 2	TO1: TNAU 2022 TO2: ANGRAU 2023	New	5	33250.00	SMS-Agronomy, SMS- Plant Protection, Senior Scientist and Head.	0	5
3	Paddy	Assessment of Phosphorus supplementation to enhance yield in Paddy	TO1: Nano DAP TO2: DAP FP: Complex fertilizer	TO1: IIFCO, 2023 TO2: TNAU 2020	New	5	12250.00	SMS-Agronomy, SMS- Plant Protection, Senior Scientist and Head.	5	5

S. No.	Crop/ enterprise	Title of intervention	Technological options TO-1, TO-2 FP	Source of Technology TO-1 TO-2	Status	No. of trials (replications)	Total cost involved (Rs.)	Team members involved	No. of trials targeted in DFI village (s)	No. of trials targeted under SC-SP
4	Paddy	Assessment of Foliar nutrition for the improvement of grain filling in Rice	TO1: TNAU Rice reap TO2: KNO ₃ FP: No usage of foliar spray	TO1: TNAU, 2022 TO2: TNAU, 2019	New	5	5500.00	SMS- Agronomy, SMS- Plant Protection, Senior Scientist and Head.	0	0
5	Bhendi	Assessment of Bhendi hybrids for higher productivity	TO1: Bhendi hybrid CO(H) 5 TO2: Arka nikita FP: Private hybrids	TO1: TNAU, 2025 TO2: IIHR, 2019	New	5	15000.00	SMS- Horticulture, SMS- Plant Protection, Senior Scientist and Head.	5	5
6	Brinjal	Assessment of brinjal varieties for higher yield	TO1: Arka Neelanchal Shyama TO2: CO 3 FP: Local cultivars	TO1: CHES, BHU, 2019 TO2: TNAU, 2024	New	5	7000.00	SMS- Horticulture, SMS- Plant Protection, Senior Scientist	5	5

S. No.	Crop/ enterprise	Title of intervention	Technological options TO-1, TO-2 FP	Source of Technology TO-1 TO-2	Status	No. of trials (replications)	Total cost involved (Rs.)	Team members involved	No. of trials targeted in DFI village (s)	No. of trials targeted under SC-SP
7	Tomato	Assessment of improved varieties for higher productivity in tomato	TO1: Arka Vikas TO2: CO 4 FP: Local varieties	TO1: IIHR, 2022 TO2: TNAU, 2025	New	5	7500.00	SMS- Horticulture, SMS- Plant Protection, Senior Scientist	0	0
8	Cassava	Assessment of nutrient formulation for higher productivity in cassava	TO1: TNAU Cassava Booster TO2: Cassava special FP: Application of NPK fertilizer	TO1: TCRS, Yethapur 2019 TO2: CTCRI, 2021	2 nd year	5	13000.00	SMS- Horticulture, SMS- Plant Protection, Senior Scientist	0	0
9	Paddy	Assessment of stem borer management technologies in Rice	TO1: Clip the seedling tips before transplanting to eliminate egg masses. Install light trap @ 1 / ha Pheromone trap @ 5 / ac. Release egg parasitoid, Trichogramma japonicum @ 2cc /ac 3 times at weekly interval from 37 DAT, Spray Azadirachtin 0.03% 400 ml/ac.Need based spraying	TO1: TNAU 2023 TO2: NRRI, 2019	New	5	10000.00	SMS- Plant Protection, SMS- Agronomy, Senior Scientist and Head.	0	5

S. No.	Crop/ enterprise	Title of intervention	Technological options TO-1, TO-2 FP	Source of Technology TO-1 TO-2	Status	No. of trials (replications)	Total cost involved (Rs.)	Team members involved	No. of trials targeted in DFI village (s)	No. of trials targeted under SC-SP
			of Chlorantraniliprole 18.5% SC 60 ml/ac TO2: Release egg parasitoid, Trichogramma japonicum @ 2cc /ac at 30 DATPheromone trap @ 8 / ac for mass trapping. Need based spraying of Chlorantraniliprole 18.5% SC 60 ml/ac FP: Application of Pesticides							
10	Blackgram	Assessment of Mung bean Yellow Mosaic Virus resistant varieties in Blackgram	TO1: Cultivation of Blackgram VBN 12 TO2: Cultivation of BlackgramLBG 884 FP: Cultivation of local variety	TO1: TNAU 2025 TO2: ANGARU 2022	New	5	13400.00	SMS- Plant Protection, SMS- Agronomy, Senior Scientist and Head.	5	5

S. No.	Crop/ enterprise	Title of intervention	Technological options TO-1, TO-2 FP	Source of Technology TO-1 TO-2	Status	No. of trials (replications)	Total cost involved (Rs.)	Team members involved	No. of trials targeted in DFI village (s)	No. of trials targeted under SC-SP
11	Tomato	Assessment of IPM modules against Tomato pin worm	<p>TO1:Seed treatment with imidacloprid 48 % FS @ 7g/kg of seeds, seedling dip with imidacloprid 17.8 SC @ 0.5 ml/l, Collection and destruction of infested leaves, Installation of sticky traps at 30/ac, installation of sex pheromone traps 20/ac Spraying of chlorantraniliprole 18.5 SC @ 0.3 ml/l, spinoteram 12 SC @ 1.25 ml/l followed by flubendiamide 480 SC @ 0.3 ml/l</p> <p>TO2:Collect and destroy the pinworm affected plants and fruits. Keep pheromone traps @ 5 nos./ac to attract and kill the adult moths Trichogramma chilonis @ 20,000/ac/release, coinciding with flowering time. Spray Chlorantraniliprole 18.5% SC @ 60 ml or</p>	<p>TO1: UAHS, 2022</p> <p>TO2: TNAU, 2022</p>	New	5	13000.00	SMS- Plant Protection, SMS- Horticulture, Senior Scientist and Head.	0	0

S. No.	Crop/ enterprise	Title of intervention	Technological options TO-1, TO-2 FP	Source of Technology TO-1 TO-2	Status	No. of trials (replications)	Total cost involved (Rs.)	Team members involved	No. of trials targeted in DFI village (s)	No. of trials targeted under SC-SP
			Flubendiamide 20% WG @ 60 ml or Indoxacarb 14.5% SC @ 100ml or Neem formulation (Azadirachtin 1% or 5%) @ 400 – 600 ml/ac. FP: Spraying of Profenofos 2 ml/lit							
12	Chilli	Assessment of microbial consortia for management of soil borne diseases in chilli	TO1: Arka microbial consortium - Seed treatment @ 20 g / 100 g of seeds, soil application 5 kg /ac at 30, 60 DAT and root dipping 20 g / lit. TO2: TNAU microbial consortia (<i>Bacillus subtilis</i> , <i>Trichoderma asperellum</i> and <i>Purpureocillium lilacinum</i>)- Seed treatment, soil application 2.5 Kg Each /ha. FP: Application of Chemical pesticides.	TO1: IIHR 2020 TO2: TNAU 2020	New	5	8500.00	SMS- Plant Protection, SMS- Horticulture, Senior Scientist and Head.	0	0

S. No.	Crop/ enterprise	Title of intervention	Technological options TO-1, TO-2 FP	Source of Technology TO-1 TO-2	Status	No. of trials (replications)	Total cost involved (Rs.)	Team members involved	No. of trials targeted in DFI village (s)	No. of trials targeted under SC-SP
13	Cow	Assessment of Herbal formulation to control Mastitis in Milch Cow	TO1: Masti defend Care: Herbal formulation. TO2: Mastirak Gel : Herbal formulation. FP : Cleaning of udder with Water	TO1: VIF TANUVAS 2024 TO2: NIF DST 2021	New OFT	5	19000.00	SMS-Animal Science, Senior Scientist and Head.	5	0
14	Cow	Assessment of feed supplement for enhancing Reproduction efficiency in Cow	TO1: Dairy heat cycle- Supporting reproductive health and heat regulation in dairy cow. TO2: Fertimin Plus- Feed formulation is regulate estrus cycle, reduces repeat breeding and inter calving period. FP : Salt in drinking water.	TO1: VIF TANUVAS 2025 TO2: NIANP, 2025	New OFT	5	15000.00	SMS-Animal Science, Senior Scientist and Head.	0	5
Total					-	70	183525.00	-	-	35

8.2. Details of OFTs

1. Assessment of Paddy varieties for higher productivity

OFT No.	01
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject,	Agronomy
Theme	Varietal evaluation
Category (if applicable)	Cereals
Crop/ enterprise	Paddy
Farming situation	Irrigated, Clay loam
Prioritized problem (short)	Lack of awareness about new varieties and poor yield
Title of the OFT	Assessment of Paddy varieties for higher productivity
Technology options	
TO-1	Paddy variety CO 55
Source and year	TNAU 2022
Description (short)	The duration is about 115 days. The Yield is about 6057 kg /ha. slender grain type with high milling and head rice recovery. It is moderately resistant to Rice Tungro disease.
Potential yield/income	55-60q/ha
Critical Inputs	Paddy variety CO 55 seed – 75kg, <i>Bacillus subtilis</i> –5kg, Field board - 5 nos
Source of Inputs	Department of Agriculture and KVK, Kilnelli
Photos	
TO-2	Paddy variety RNR 15048
Source and year	ICAR IIRR 2015
Description (short)	The duration is about 125 days, It is a short slender grain type, resistant to leaf blast. The Potential yield is about 6500kg/ha
Potential yield/income	Eg.60 to 65 q/ha
Critical inputs& quantity and cost	Paddy variety RNR 15048 seed – 75kg, <i>Bacillus subtilis</i> – 5kg
Source of Inputs	Department of Agriculture and KVK, Kilnelli
Photos	
Farmers Practice	Cultivation of local varieties
Farmers yield	45 q/ha
Season	<i>Kharif</i>
Cost per replication (Rs.)	Rs.2225.00

No. of replications	5
Total cost for the OFT	Rs.11125.00
Parameters to be studied	Plant population, No. of Productive tillers per plant, No. of grains per hill, Yield-Q/ha.
Parameters to be reported	Yield (Q/ha), BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS, (Agronomy), SMS (Plant Protection), Senior Scientist and Head

2. Assessment of Groundnut varieties for higher productivity

OFT No.	02
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject,	Agronomy
Theme	Varietal evaluation
Category (if applicable)	Oilseeds
Crop/ enterprise	Groundnut
Farming situation	Irrigated, clay loam
Prioritized problem (short)	Poor germination and lack of awareness on new varieties
Title of the OFT	Assessment of Groundnut varieties for higher productivity
Technology options	
TO-1	Groundnut variety VRI 10
Source and year	TNAU – 2022
Description (short)	The duration is about 95 days. It is Moderately resistant to sucking pests, defoliators, leaf spot and rust. The Yield is about 25 q/ha
Potential yield/income	25q/ha
Critical Inputs	Groundnut variety VRI 10 seed – 125 kg, <i>Trichoderma asperellum</i> – 2.5 kg, <i>Bacillus subtilis</i> – 2.5kg, Field board - 5 nos
Source of Inputs	Department of Agriculture and KVK, Kilnelli
Photos	
TO-2	Groundnut variety TCGS 1694
Source and year	ANGRAU 2023
Description (short)	The duration is about 105 days. It is tolerant to drought, late leaf spot and rust. The yield is about 14 q/ha
Potential yield/income	Eg.15 q/ha

Critical inputs& quantity and cost	Groundnut variety TCGS 1694 seed – 125kg, <i>Trichoderma asperellum</i> – 2.5 kg, <i>Bacillus subtilis</i> – 2.5 kg
Source of Inputs	Department of Agriculture and KVK, Kilnelli
Photos	
Farmers Practice	Cultivation of old varieties
Farmers yield	15 q/ha
Season	<i>Kharif</i>
Cost per replication (Rs.)	Rs.6650.00
No. of replications	5
Total cost for the OFT	Rs.33250.00
Parameters to be studied	Plant height, No. of leaves, No. of pods per plant, Yield-Q/ha.
Parameters to be reported	Yield (Q/ha), BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS, (Agronomy), SMS (Plant Protection), Senior Scientist and Head

3. Assessment of Phosphorus supplementation to enhance yield in Paddy

OFT No.	03
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject,	Agronomy
Theme	Crop production and management
Category (if applicable)	Cereals
Crop/ enterprise	Paddy
Farming situation	Irrigated, Clay loam
Prioritized problem (short)	Insufficient phosphorus management
Title of the OFT	Assessment of Phosphorus supplementation to enhance yield in Paddy
Technology options	
TO-1	Nano DAP
Source and year	IIFCO, 2023
Description (short)	Foliar spraying of nano DAP two times @ 4ml/l. one at vegetative stage (4 weeks DAS) and at pre flowering stage of crop (500ml/acre)
Potential yield/income	
Critical Inputs	Nano DAP – 2.5 litres, Field Board – 5 nos
Source of Inputs	IIFCO and KVK, Kilnelli

Photos	
TO-2	Diammonium Phosphate
Source and year	TNAU 2020
Description (short)	Recommmended dose of phosphorus(P₂O₅ @ 40 kg)
Potential yield/income	
Critical inputs& quantity and cost	DAP – 200kg
Source of Inputs	Department of Agriculture and KVK, Kilnelli
Photos	
Farmers Practice	Usage of complex fertilizer
Farmers yield	
Season	<i>Kharif</i>
Cost per replication (Rs.)	Rs.2450.00
No. of replications	5
Total cost for the OFT	Rs.12250.00
Parameters to be studied	Plant population, No. of Productive tillers per plant, Phosphorus availability (%), Yield-Q/ha
Parameters to be reported	Yield (Q/ha), BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS, (Agronomy), SMS (Plant Protection), Senior Scientist and Head

4. Assessment of Foliar nutrition for the improvement of grain filling in Rice

OFT No.	04
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject,	Agronomy
Theme	Crop production and management
Category (if applicable)	Cereals
Crop/ enterprise	Paddy
Farming situation	Irrigated, Clay loam
Prioritized problem (short)	Deficiency of nutrition leads to poor yield
Title of the OFT	Assessment of Foliar nutrition for the improvement of grain filling in Rice
Technology options	
TO-1	TNAU Rice reap

Source and year	TNAU 2022
Description (short)	Dose is about 6kg/acre booting stage (3kg) and 10 days after first spray (3kg) to improves spikelet fertility and grain filling rate. Increases grain yield up to 15 % It also Improves tolerance against drought and high temperature
Potential yield/income	
Critical Inputs	Rice reap – 15 kg, Field board – 5 Nos
Source of Inputs	TNAU, Coimbatore and Dept. of Agriculture
Photos	
TO-2	KNO₃
Source and year	TNAU 2019
Description (short)	2% concentration of KNO ₃ during tillering, panicle initiation and flowering stages increases more number of productive tillers , grain yield and dry matter production
Potential yield/income	
Critical inputs& quantity and cost	KNO ₃ – 30 kg
Source of Inputs	Department of Agriculture and KVK, Kilnelli
Photos	
Farmers Practice	No usage of foliar spray
Farmers yield	
Season	<i>Kharif</i>
Cost per replication (Rs.)	Rs.1100
No. of replications	5
Total cost for the OFT	Rs.5500.00
Parameters to be studied	Plant population, No. of Productive tillers per plant, No. of grains per hill, Yield-Q/ha.
Parameters to be reported	Yield (Q/ha), BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS, (Agronomy), SMS (Plant Protection), Senior Scientist and Head

5. Assessment of Bhendi hybrids for higher productivity

OFT No.	05
Status (New proposal/2 nd year /3 rd year)	New Proposal
Subject	Horticulture
Theme	Varietal Evaluation
Category (if applicable)	Vegetable
Crop/ enterprise	Bhendi
Farming situation	Sandy loam, Kharif and Irrigated.
Prioritized problem (short)	Lack of awareness on public sector varieties, low yield and susceptible to pest and diseases and low productivity
Title of the OFT	Assessment of Bhendi hybrids for higher productivity
Technology options	
TO-1	Bhendi hybrid CO(H) 5
Source and year	TNAU 2025
Description (short)	Early in flowering (33-36 DAS), Twenty-three harvests can be made in a duration of 120 days starting from 38 days after sowing, Moderately resistant to Yellow Vein Mosaic Virus and Enation Leaf Curl Virus (ELCV),
Potential yield/income	28.85 t/ha
Critical Inputs	<ul style="list-style-type: none"> ▪ Bhendi hybrid CO(H) 5 - 2 kg ▪ Vegetable special - 5 kg ▪ Field board - 5 No.
Source of Inputs	TNAU, Coimbatore and KVK, Thiruvannamalai.
Photos	
TO-2	Arka nikita
Source and year	IIHR, 2017
Description (short)	It produces dark green, medium, smooth and tender fruits. Early flowering and it takes 39 days for the first flower appearance and 43 days for picking of fruits. Excellent cooking quality and high edible fibre content.
Potential yield/income	24 t/ha
Critical inputs& quantity and Cost	<ul style="list-style-type: none"> ▪ Arka nikita seeds - 2 kg ▪ Vegetable special - 5 kg
Source of Inputs	IIHR, Bangalore and KVK, Thiruvannamalai.
Photos	

Farmers Practice	Cultivation of local hybrids
Farmers yield	16t/ha
Season	Kharif
Cost per replication (Rs.)	Rs.3000
No. of replications	5
Total cost for the OFT	Rs. 15000.00
Parameters to be studied	Days to 50 % flowering, Average fruit wt. (g), Yield Q/ha, BCR
Parameters to be reported	Yield Q/ha, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS- Horticulture, SMS- Plant Protection, Senior Scientist and Head.

6. Assessment of Brinjal varieties for higher yield

OFT No.	06
Status (New proposal/2 nd year /3 rd year)	New Proposal
Subject	Horticulture
Theme	Varietal Evaluation
Category (if applicable)	Vegetable
Crop/ enterprise	Brinjal
Farming situation	Sandy loam, Kharif and Irrigated.
Prioritized problem (short)	Low yield in existing variety, Lack of awareness on new released public sector varieties, Low productivity and high pest and disease incidence.
Title of the OFT	Assessment of Brinjal varieties for higher yield
Technology options	
TO-1	Arka Neelanchal Shyama
Source and year	CHES, BHU, 2019
Description (short)	It is early variety, suitable for rabi season. Fruits are round and green with light purple shade, weighing up to 190 – 200 g per fruit. It is moderately tolerant to phomopsis blight
Potential yield/income	34 t/ha
Critical Inputs	<ul style="list-style-type: none"> ▪ Arka Neelanchal Shyama - 400 gm ▪ Vegetable special - 10 kg ▪ Field board - 5 No.
Source of Inputs	CHES, Bhubaneswar and KVK, Thiruvannamalai.
Photos	

TO-2	CO 3
Source and year	TNAU 2024
Description (short)	Fruits are Long, light purple with white stripes, Moderately resistant to Shoot and Fruit borer, Duration is 140-150 days, Yield: 48.5 t/ha
Potential yield/income	48.5 t/ha
Critical inputs& quantity and Cost	<ul style="list-style-type: none"> ▪ CO 3 - 400 gram ▪ Vegetable special - 10 kg
Source of Inputs	TNAU, Coimbatore and KVK, Thiruvannamalai
Photos	
Farmers Practice	Cultivation of local cultivars
Farmers yield	25t/ha
Season	Kharif
Cost per replication (Rs.)	Rs.1400.00
No. of replications	5
Total cost for the OFT	Rs.7000.00
Parameters to be studied	Days to 50 % flowering, Average fruit wt. (g), , Yield Q/ha, BCR
Parameters to be reported	Yield Q/ha, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS- Horticulture, SMS- Plant Protection, Senior Scientist and Head.

7. Assessment of improved varieties for higher productivity in Tomato

OFT No.	07
Status (New proposal/2 nd year /3 rd year)	New Proposal
Subject	Horticulture
Theme	Varietal Assessment
Category (if applicable)	Vegetable
Crop/ enterprise	Tomato
Farming situation	Sandy loam, Rabi and Irrigated.
Prioritized problem (short)	Low yield in existing variety, Lack of awareness on new released public sector varieties, Low productivity and high pest and disease incidence.
Title of the OFT	Assessment of improved varieties for higher productivity in Tomato

Technology options	
TO-1	Arka vikas
Source and year	IIHR, 2022
Description (short)	Fruits are medium (80-90g), light green shoulder, deep red on ripening, suitable for fresh market, adapted for both rainfed and irrigated conditions and yield – 35 t/ha in 140 days.
Potential yield/income	35 t/ha
Critical Inputs	<ul style="list-style-type: none"> ▪ Arka vikas seeds - 250 gram ▪ Vegetable special - 10 kg ▪ Bacillus subtilis - 5 kg ▪ Field board - 5 No.
Source of Inputs	IIHR, Bangalore and KVK, Thiruvannamalai.
Photos	
TO-2	CO 4
Source and year	TNAU, 2025
Description (short)	Fruits with light green shoulder, Extended shelf life, Field tolerance to ToLCV, Duration of the crop is 160 – 165 days, Yield: 39.24 t / ha
Potential yield/income	39.24 t/ha
Critical inputs& quantity and Cost	<ul style="list-style-type: none"> ▪ CO 4 seeds - 250 gram ▪ Vegetable special - 10 kg ▪ Bacillus subtilis - 5 kg
Source of Inputs	TNAU, Coimbatore
Photos	
Farmers Practice	Local cultivars
Farmers yield	25 t/ha
Season	Rabi
Cost per replication (Rs.)	Rs. 1500.00
No. of replications	5
Total cost for the OFT	Rs. 7500.00
Parameters to be studied	Days to 50 % flowering, Average fruit wt. (g), Yield Q/ha, BCR
Parameters to be reported	Yield Q/ha, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS- Horticulture, SMS- Plant Protection, Senior Scientist and Head.

8. Assessment of nutrient formulation for higher productivity in cassava

OFT No.	08
Status (New proposal/2 nd year /3 rd year)	2 nd year
Subject	Horticulture
Theme	Crop production and Management
Category (if applicable)	Tuber crop
Crop/ enterprise	Cassava
Farming situation	Sandy loam, Rabi and Irrigated.
Prioritized problem (short)	Lack of knowledge on micro nutrient application, Low yield, Poor quality
Title of the OFT	Assessment of nutrient formulation for higher productivity in cassava
Technology options	
TO-1	TNAU Cassava Booster
Source and year	TCRS, Yethapur, 2019
Description (short)	It is the mixture of organic manure viz., cow dung, neem cake and bio control agent along with inorganic nutrients to overcome the CMD, nutritional deficiencies, increasing tuber yield and improving starch content in cassava. Three spray at 2 nd , 3 rd and 4 th month after planting.
Potential yield/income	-
Critical Inputs	<ul style="list-style-type: none"> ▪ TNAU Cassava Booster - 50 kg ▪ Field board - 5 No.
Source of Inputs	TCRS, Yethapur and KVK, Thiruvannamalai.
Photo	-
TO-2	Cassava Special
Source and year	CTCRI, 2021
Description (short)	Increases vegetative growth, size and quality of cassava and helps to attain maximum yield. Gives resistance to diseases, stress and drought. Spray on leaves and shoot of the plant. Spray during the 2 nd , 3 rd and 4 th month after planting. 5 ml for 1 lit of water
Potential yield/income	-
Critical inputs& quantity and Cost	<ul style="list-style-type: none"> ▪ Cassava special - 10 lit
Source of Inputs	CTCRI, Thiruvanathapuram
Photos	
Farmers Practice	Application of NPK

Farmers yield	34t/ha
Season	Rabi
Cost per replication (Rs.)	Rs.2600.00
No. of replications	5
Total cost for the OFT	Rs.13000.00
Parameters to be studied	Tuber length (Cm), Tuber weight (g), Yield Q/ha, BCR
Parameters to be reported	Yield Q/ha, BCR
Source of funding (KVK- Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS- Horticulture, SMS- Plant Protection, Senior Scientist and Head.

9. Assessment of stem borer management technologies in Rice

OFT No.	09
Status (New proposal/2 nd year /3 rd year)	New Proposal
Subject	Plant Protection
Theme	Integrated Pest Management
Category (if applicable)	Cereals
Crop/ enterprise	Paddy
Farming situation	Clay loam, Kharif
Prioritized problem (short)	High incidence of Stem borer, Lack of knowledge on IPM, Low yield
Title of the OFT	Assessment of stem borer management technologies in Rice
Technology options	
TO-1	
Source and year	TNAU 2023
Description (short)	<ul style="list-style-type: none"> • Clip the seedling tips before transplanting to eliminate egg masses. • Install light trap @ 1 / ha • Pheromone trap @ 5 / ac. • Release egg parasitoid, <i>Trichogramma japonicum</i> @ 2cc /ac 3 times at weekly interval from 37 DAT • Spray Azadirachtin 0.03% 400 ml/ac. • Need based spraying of Chlorantraniliprole 18.5% SC 60 ml/ac
Potential yield/income	-
Critical Inputs	Stem borer Lure- 50 No, Pheromone Trap - 25 No Chlorantraniliprole – 75 ml, Azadirachtin– 2.5 litre

Source of Inputs	PCI, Local Agri clinic
Photos	-
TO-2	
Source and year	NRRI, 2019
Description (short)	<ul style="list-style-type: none"> •Release egg parasitoid, <i>Trichogramma japonicum</i> @ 2cc /ac at 30 DAT •Pheromone trap @ 8 / ac for mass trapping. •Need based spraying of Chlorantraniliprole 18.5% SC 60 ml/ac
Potential yield/income	-
Critical inputs& quantity and cost	Stem borer Lure- 40 No, Pheromone Trap - 20 No Chlorantraniliprole – 75 ml, Field board - 5 Nos
Source of Inputs	PCI, Local Agri clinic
Photos	-
Farmers Practice	Application of Pesticides
Farmers yield	47.50 qtl/ha
Season	Kharif
Cost per replication (Rs.)	Rs. 2000.00
No. of replications	5
Total cost for the OFT	Rs. 10000.00
Parameters to be studied	% infestation, Benefit Cost Ratio, Yield Q/ha
Parameters to be reported	Yield, Gross expenditure, Gross income, Net income, BCR
Source of funding (KVK- Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS- Plant Protection, SMS- Agronomy, Senior Scientist and Head

10. Assessment of Mung bean Yellow Mosaic Virus resistant varieties in Blackgram

OFT No.	10
Status (New proposal/2 nd year /3 rd year)	New Proposal
Subject	Plant Protection
Theme	Integrated Disease Management
Category (if applicable)	Pulses
Crop/ enterprise	Blackgram
Farming situation	Sandy loam soil, Kharif
Prioritized problem (short)	High incidence of YMV, Lack of knowledge on resistant varieties, Low yield (6.51 Q/ha).
Title of the OFT	Assessment of Mung bean Yellow Mosaic Virus resistant varieties in Blackgram

Technology options	
TO-1	
Source and year	TNAU 2025
Description (short)	<p><u>VBN 12</u></p> <ul style="list-style-type: none"> ▪ Resistant to MYMV, ULCV and powdery mildew diseases; Resistant to whitefly and pod borer. ▪ Parentage :KU 2016 x VBN 3, Duration: 70-75 days ▪ Yield: Irrigated –859kg/ha, Long pod (5.5 - 6.0 cm) and up to 9 seeds/pod. ▪ Photo-insensitive type
Potential yield/income	859 kg/ha
Critical Inputs	<ul style="list-style-type: none"> ▪ VBN 12 - 40 Kg, <i>Trichoderma</i> - 5Kg, <i>Bacillus</i> - 5 Kg, Field board - 5 Nos
Source of Inputs	KVK Thiruvannamalai, NPRC, Vamban
Photos	-
TO-2	
Source and year	ANGRAU 2022
Description (short)	<p><u>LBG 884</u></p> <ul style="list-style-type: none"> ▪ Tolerant to Mung bean Yellow Mosaic Virus ▪ Photo insensitive variety, Medium bold and shiny variety ▪ Yield: Irrigated –2000 - 2200 kg/ha ▪ Duration: 80-85 days
Potential yield/income	2000-2200 kg/ha
Critical inputs& quantity and cost	<ul style="list-style-type: none"> ▪ <i>LBG 884</i> - 40 Kg, <i>Trichoderma</i> -5Kg, <i>Bacillus</i> - 5 Kg
Source of Inputs	KVK Thiruvannamalai, Seed producing farmer
Photos	
Farmers Practice	Cultivation of local variety
Farmers yield	535 kg/ha
Season	Kharif
Cost per replication (Rs.)	Rs. 2680.00
No. of replications	5
Total cost for the OFT	Rs. 13400.00
Parameters to be studied	% Disease incidence, Benefit Cost Ratio, Yield Q/ha
Parameters to be reported	Yield, Gross expenditure, Gross income, Net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS- Plant Protection, SMS- Agronomy, Senior Scientist and Head

11. Assessment of IPM modules against Tomato pin worm

OFT No.	11
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject	Plant protection
Theme	Integrated Pest Management
Category (if applicable)	Vegetable crop
Crop/ enterprise	Tomato
Farming situation	Sandy clay loam, Rabi
Prioritized problem (short)	High incidence of Tomato pin worm, Lack of knowledge on IPM practices, Low yield
Title of the OFT	Assessment of IPM modules against Tomato pin worm
Technology options	
TO-1	
Source and year	UAHS, 2022
Description (short)	<ul style="list-style-type: none"> ▪ Seed treatment with imidacloprid 48 % FS @ 7g/kg of seeds, seedling dip with imidacloprid 17.8 SC @ 0.5 ml/l, ▪ Collection and destruction of infested leaves, ▪ Installation of sticky traps at 30/ac, installation of sex pheromone traps 20/ac ▪ Spraying of chlorantraniliprole 18.5 SC @ 0.3 ml/l, spinoteram 12 SC @ 1.25 ml/l followed by flubendiamide 480 SC @ 0.3 ml/l
Potential yield/income	
Critical Inputs	<ul style="list-style-type: none"> ▪ Pheromone trap & lure - 50 Nos & 100 nos ▪ Imidachloprid- 250 ml, ▪ Field board - 5 Nos
Source of Inputs	PCI, Local Agri Clinic
Photos	-
TO-2	
Source and year	TNAU, 2022
Description (short)	<ul style="list-style-type: none"> ▪ Collect and destroy the pinworm affected plants and fruits ▪ Keep pheromone traps @ 5 nos./ac to attract and kill the adult ▪ <i>Trichogramma chilonis</i> @ 20,000/ac/release, coinciding with flowering time. ▪ Spray Chlorantraniliprole 18.5% SC @ 60 ml or Flubendiamide 20% WG @ 60 ml or Indoxacarb 14.5% SC @ 100ml or Neem formulation (Azadirachtin 1% or 5%) @ 400 – 600 ml/ac.
Potential yield/income	-
Critical inputs& quantity and cost	<ul style="list-style-type: none"> ▪ <i>Chlorantraniliprole</i> – 150 ml ▪ Indaxacarb- 500 ml
Source of Inputs	Local Agri Clinic

Photos	-
Farmers Practice	Spraying of Profenofos 2 ml/lit
Farmers yield	456qtl/ha
Season	Rabi
Cost per replication (Rs.)	Rs. 2600.00
No. of replications	5
Total cost for the OFT	Rs. 13000.00
Parameters to be studied	% infestation, Benefit Cost Ratio, Yield Q/ha
Parameters to be reported	Yield, Gross expenditure, Gross income, Net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS- Plant Protection, SMS- Horticulture, Senior Scientist and Head

12. Assessment of microbial consortia for management of soil borne diseases in Chilli

OFT No.	12
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject	Plant protection
Theme	Integrated Disease Management
Category (if applicable)	Vegetable crop
Crop/ enterprise	Chilli
Farming situation	Red loamy soil, Kharif
Prioritized problem (short)	High incidence of wilt and Root rot, Lack of knowledge on IDM practices, Low yield
Title of the OFT	Assessment of microbial consortia for management of soil borne diseases in Chilli
Technology options	
TO-1	
Source and year	IIHR, 2020
Description (short)	Arka microbial consortium - Seed treatment @ 20 g / 100 g of seeds, soil application 5 kg /ac at 30, 60 DAT and root dipping 20 g / lit.
Potential yield/income	
Critical Inputs	<ul style="list-style-type: none"> ▪ Arka Microbial consortia - 20 Kg ▪ Field board - 5 Nos
Source of Inputs	IIHR
Photos	

TO-2	
Source and year	TNAU, 2020
Description (short)	TNAU microbial consortia (<i>Bacillus subtilis</i> , <i>Trichoderma asperellum</i> and <i>Purpureocilliumlilacinum</i>)- Seed treatment, soil application 2.5 Kg Each /ha.
Potential yield/income	-
Critical inputs& quantity and cost	<ul style="list-style-type: none"> ▪ <i>Trichoderma</i> - 10 Kg ▪ <i>Bacillus subtilis</i> - 10 Kg ▪ <i>Purpureocilliumlilacinumin</i> - 10 Kg
Source of Inputs	KVK Thiruvannamalai, Agri Bio Care, Coimbatore
Photos	-
Farmers Practice	Application of chemical pesticides
Farmers yield	241 qtl/ha
Season	Rabi
Cost per replication (Rs.)	Rs. 1700.00
No. of replications	5
Total cost for the OFT	Rs. 8500.00
Parameters to be studied	% incidence, Benefit Cost Ratio, Yield Q/ha
Parameters to be reported	Yield, Gross expenditure, Gross income, Net income, BCR
Source of funding (KVK- Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS- Plant Protection, SMS- Horticulture, Senior Scientist and Head

13. Assessment of Herbal formulation to control Mastitis in Milch Cow

OFT No.	13
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject	Animal Science
Theme	Livestock Production Management
Category (if applicable)	Disease Management
Crop/ enterprise	Cow
Farming situation	-
Prioritized problem (short)	30 Percentage of the Milch Cow suffered with mastitis results in milk production loss and more expenses for health aspect.
Title of the OFT	Assessment of Herbal formulation to control Mastitis in Milch Cow
Technology options	
TO-1	
Source and year	VIF TANUVAS 2024
Description (short)	Masti defend Care: Herbal formulation applied @10g per day after each milking.

Potential yield/income	
Critical Inputs	▪ Masti defend care : 50 Nos
Source of Inputs	TANUVAS, Chennai
Photos	-
TO-2	
Source and year	NIF DST 2021
Description (short)	Mastirak Gel : Herbal formulation applied @10g per day after each milking.
Potential yield/income	-
Critical inputs& quantity and cost	▪ Mastirak Gel : 50 Nos ▪ Field board : 5 Nos
Source of Inputs	NIF, Bengalure
Photos	
Farmers Practice	Cleaning of udder with Water
Farmers yield	-
Season	Kharif
Cost per replication (Rs.)	Rs. 3800.00
No. of replications	5
Total cost for the OFT	Rs. 19000.00
Parameters to be studied	Incidence of Mastitis(%), Milk yield(lits), BCR
Parameters to be reported	Incidence of Mastitis(%), Milk yield(lits), BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS Animal Science and Senior Scientist and Head

14. Assessment of feed supplement for enhancing Reproduction efficiency in Cow

OFT No.	14
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject	Animal Science
Theme	Livestock Production Management
Category (if applicable)	Production Management
Crop/ enterprise	Cow
Farming situation	-
Prioritized problem (short)	▪ Imbalance of minerals in feed of animals causing poor reproduction in cow. ▪ Low fertility percentage and prolonger inter calving period.
Title of the OFT	Assessment of feed supplement for enhancing

	Reproduction efficiency in Cow
Technology options	
TO-1	
Source and year	VIF, TANUVAS, 2025
Description (short)	Dairy heat cycle: Supporting reproductive health and heat regulation in dairy cow. Oral administration 30 ml daily for 7 days.
Potential yield/income	
Critical Inputs	▪ Dairy Heat Cycle : 10 Pack
Source of Inputs	TANUVAS, Chennai
Photos	
TO-2	
Source and year	NIANP, 2025
Description (short)	Fertimin Plus: Feed formulation is regulate estrus cycle, reduces repeat breeding and inter calving period. Oral administration of 50g powder daily.
Potential yield/income	-
Critical inputs& quantity and cost	▪ Fertimin : 50 Kg ▪ Field board : 5 Nos
Source of Inputs	NIANP, Bengaluru
Photos	
Farmers Practice	Salt in drinking water
Farmers yield	-
Season	Rabi
Cost per replication (Rs.)	Rs. 3000.00
No. of replications	5
Total cost for the OFT	Rs. 15000.00
Parameters to be studied	Conception rate (%), Milk production (lits), BCR
Parameters to be reported	Milk yield, Gross expenditure, Gross income, Net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS Animal Science and Senior Scientist and Head

9. Frontline Demonstrations proposed during 2025-26

9.1. Summary of FLDs

S. No.	Category/ Crop or enterprise	Title	Prioritized problem	Technology	Source of Technology	Status	No. of Demo (replications)	Area (ha)/ units	Total cost involved (Rs.)	Team members involved	No. of demos targeted in DFI village (s)	No. of demos targeted under SC-SP
1	Finger millet	Demonstration of Finger millet variety ATL-2	<ul style="list-style-type: none"> ▪ Cultivation of old varieties. ▪ Lack of awareness on high yielding & drought tolerant variety. ▪ High incidence of disease. Low yield.	Varietal demonstration	TNAU 2024	New	10	4	9250.00	SMS-Agronomy , SMS-Plant Protection, SS& Head	0	10
2	Greengram	Demonstration of VBN 6 Greengram	Cultivation of local varieties and poor yield	Varietal demonstration	TNAU 2023	New	10	4	16900.00	SMS-Agronomy , SMS-Plant Protection, SS& Head	0	0
3	Maize	Demonstration of TNAU Maize maxim booster	Micronutrient deficiency leads to poor yield	Integrated Crop Management	TNAU, 2020	New	10	4	21900.00	SMS-Agronomy , SMS-Plant Protection, SS& Head	0	0

S. No.	Category/ Crop or enterprise	Title	Prioritized problem	Technology	Source of Technology	Status	No. of Demo (replicat ions)	Area (ha)/ units	Total cost involved (Rs.)	Team members involved	No. of demos targete d in DFI village (s)	No. of demos targete d under SC-SP
4	Paddy	Demonstration of Zinc solubilizing bacterial biofertilizer	More zinc deficiency in paddy leads to low yield	Integrated Crop Management	TNAU, 2022	New	10	4	8500.00	SMS-Agronomy , SMS-Plant Protection, SS& Head	10	10
5	Ridge gourd	Demonstration of Ridge gourd variety MDU 1	Low yield due to cultivation of local variety	Early flowering, produce medium size fruit, soft flesh, suitable for export purpose, yield – 18.5 t/ha. Tolerant to fruit fly attack.	TNAU, 2023	2 nd year	10	4	11500.00	SMS-Horticulture, SMS-Plant Protection, SS& Head	0	0

S. No.	Category/ Crop or enterprise	Title	Prioritized problem	Technology	Source of Technology	Status	No. of Demo (replicat ions)	Area (ha)/ units	Total cost involved (Rs.)	Team members involved	No. of demos targete d in DFI village (s)	No. of demos targete d under SC-SP
6	Brinjal	Demonstration of brinjal variety MDU 2	Low yield due to cultivation of local variety	Medium sized oblong fruits , Light purple with white stripes, Cluster bearing, Yield - 31.24 t/ha.	TNAU, 2021	OFT to FLD	10	4	8000.00	SMS- Horticulture, SMS-Plant Protection, SS& Head	0	0
7	Bhendi	Demonstratio n of Integrated Crop Management in bhendi	Low yield due to lack of improved technologies	FYM 25t/ha, NPK based on soil test, Seed treatment with Trichoderma viride @4g/kg, Foliar spray of Micro nutrients mixture @ 0.5%, Installation of yellow sticky trap, Yield is 12 – 15 tons/ha.	TNAU 2020	Direct FLD	10	4	9000.00	SMS- Horticulture, SMS-Plant Protection, SS& Head	0	10

S. No.	Category/ Crop or enterprise	Title	Prioritized problem	Technology	Source of Technology	Status	No. of Demo (replicat ions)	Area (ha)/ units	Total cost involved (Rs.)	Team members involved	No. of demos targete d in DFI village (s)	No. of demos targete d under SC-SP
8	Jasmine	Demonstratio n of Integrated Crop Management in Jasmine	Imbalanced nutrition and sucking pest	FYM 10 kg/pit, NPK based on soil test, Foliar spray of Micro nutrients mixture @ 0.5%, Installation of yellow sticky trap, Yield is 8- 9 tons/ha.	TNAU 2020	Direct FLD	10	4	9000.00	SMS- Horticulture, SMS-Plant Protection, SS& Head	0	0
9	Paddy	Demonstratio n of IDM for false smut in Rice	<ul style="list-style-type: none"> ▪ Lack of knowledge on IDM Practices ▪ Incidence of False smut ▪ Poor yield 	IDM	TNAU 2022	OFT to FLD	10	4	21000.00	SMS-Plant Protection, SMS- Agronomy, SS& Head	0	0
10	Groundnut	Demonstratio n of management of Root rot disease in Groundnut	<ul style="list-style-type: none"> ▪ High incidence of Root rot disease. ▪ Lack of awareness on IDM. ▪ Low yield 	IDM	TNAU 2020	OFT to FLD	10	4	10000.00	SMS-Plant Protection, SMS- Agronomy, SS& Head	0	10

S. No.	Category/ Crop or enterprise	Title	Prioritized problem	Technology	Source of Technology	Status	No. of Demo (replicat ions)	Area (ha)/ units	Total cost involved (Rs.)	Team members involved	No. of demos targete d in DFI village (s)	No. of demos targete d under SC-SP
11	Banana	Demonstratio n of Panama wilt management in banana	<ul style="list-style-type: none"> ▪ High incidence of Panama wilt. ▪ Lack of knowledge on IDM. ▪ Low yield 	IDM	TNAU, 2020	OFT to FLD	10	4	13500.00	SMS-Plant Protection, SMS- Horticulture, SS& Head	0	0
12	Brinjal	Demonstratio n of IPM Strategies for Shoot and Fruit borer management in Brinjal	<ul style="list-style-type: none"> ▪ Injudicious use of pesticides for the management of shoot and fruit borer. ▪ High infestation of shoot and fruit borer. ▪ Non adoption of IPM practices. ▪ Low yield. 	IPM	TNAU 2020	OFT to FLD	10	2	15400.00	SMS-Plant Protection, SMS- Horticulture, SS& Head	0	0

S. No.	Category/ Crop or enterprise	Title	Prioritized problem	Technology	Source of Technology	Status	No. of Demo (replicat ions)	Area (ha)/ units	Total cost involved (Rs.)	Team members involved	No. of demos targete d in DFI village (s)	No. of demos targete d under SC-SP
13	Cow	Demonstration of Milk Flow bolus for enhancing milk production in dairy cow	High occurrence of wound due to diseases. Lack of knowledge scientific goat rearing.	Livestock Production management	VIF, TANUVAS, 2025	New FLD	10	0	14000.00	SMS – Animal Science, SS & Head	10	0
14	Poultry	Demonstration of Star Chicken under backyard condition	Lack of knowledge scientific ticks management. Poor milk yielded.	Poultry Production management	TANUVAS, 2021	New FLD	10	0	30500.00	SMS – Animal Science, SS & Head	0	0
15	Goat	Demonstration of Nano methicone spray for management of Ectoparasite in Goat	Poor milk yield, Lack of knowledge on feed management of milch cow.	Disease Management	TRPVB, TANUVAS 2023	New FLD	10	0	23000.00	SMS – Animal Science, SS & Head	0	10

S. No.	Category/ Crop or enterprise	Title	Prioritized problem	Technology	Source of Technology	Status	No. of Demo (replicat ions)	Area (ha)/ units	Total cost involved (Rs.)	Team members involved	No. of demos targete d in DFI village (s)	No. of demos targete d under SC-SP
16	Sheep	Demonstration of Milk replacer for lamb	Less number of egg production, Low hatchability, Chick mortality, Less feed efficiency, Low body weight gain.	Livestock Production Management	NIANP, 2021	New FLD	10	0	16000.00	SMS – Animal Science, SS & Head	0	10
17	Milk-value addition	Demonstration on innovative milk products for entrepreneurs hip development	Poor shelf life, low income, lack of awareness on milk value added products	Flavoured milk, paneer, probiotic products	TANUVAS - 2015, TNAU- 2020, NIFTEM - 2022	1 st year	5	0	26500.00	SMS – Home Science, SMS – Animal Science	0	5
18	Nutritional security	Demonstration on nutri-garden	Low intake vegetables in daily diet, underutilization of backyard water	Nutrigarden	TNAU, 2016	2 nd year	10	0	15000.00	SMS – Home Science, SMS - Horticulture	0	10

S. No.	Category/ Crop or enterprise	Title	Prioritized problem	Technology	Source of Technology	Status	No. of Demo (replicat ions)	Area (ha)/ units	Total cost involved (Rs.)	Team members involved	No. of demos targete d in DFI village (s)	No. of demos targete d under SC-SP
19	Value addition	Demonstratio n on Banana based products – EDP mode	Improper ripening resulting in loss of quality and shelf life. Also, using artificial ripening methods with banned chemicals can pose health risks.	Post harvest management, Banana based RTU products	IIHR 2015, CIAE 2018, CSCRI/ TNAU Coimbatore 2018	1 st year	5	0	30750.00	SMS – Home Science, SMS - Horticulture	0	5
Total							180	46	309700.00		-	80

9.2. Details of Front Line Demonstrations

1. Demonstration of Finger millet variety ATL 2

FLD No.:	01
Status (New proposal/2 nd year /3 rd year)	OFT to FLD
Subject	Agronomy
Category:	Millets
Crop/ enterprise:	Finger millet
Farming situation	Irrigated, Clay loamy
Prioritized problem:	Cultivation of old varieties which are susceptible to lodging, pest and diseases leads to yield reduction
Title	Demonstration of Finger millet variety ATL 2
Technology to be demonstrated:	Finger millet variety ATL 2
Hybrid or Variety:	Variety
Source of Technology:	TNAU 2024
Description	It matures about 110-115 days. The average yield is about 2717 kg/ha. It is moderately resistant to leaf,neck and finger balst and resistant to brown spot and grain mold
Potential yield	20-25q/ha
Critical input, quantity and cost	ATL 1 Seed - 50 Kg, <i>Trichoderma asperellum</i> -10 Kg, Field Board - 10 Nos
Farmers practice	Cultivation of Local varieties
Source of input	CEM, Athiyandal and KVK, Kilnelli
Photos	
Average farmers yield	15 q/ha
Season	<i>Kharif</i>
No. of Demos (replications)	10
Total cost for the Demo	Rs.9250.00
Parameters to be studied:	Plant population, No of fingers/plant Yield : qtl/ha, Benefit cost ratio
Parameters to be reported	Yield : qtl/ha, Benefit cost ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS-Agronomy, SMS-Plant Protection and Senior Scientist and Head

2. Demonstration of VBN 6 Greengram

FLD No.:	02
Status (New proposal/2 nd year /3 rd year)	New
Subject	Agronomy
Category:	Pulses
Crop/ enterprise:	Greengram
Farming situation	Rainfed, Sandy loamy
Prioritized problem:	Cultivation of local varieties and poor yield
Title	Demonstration of VBN 6 Greengram
Technology to be demonstrated:	Greengram variety VBN 6
Hybrid or Variety:	Variety
Source of Technology:	TNAU 2023
Description	The duration is about 75 days. The Yield is about 760 kg/ha, Early duration, synchronized maturity, Moderately resistant to MYMV, Powdery mildew and Urdbean leaf crinkle virus diseases
Potential yield	650 kg/ha
Critical input, quantity and cost	VBN 6- 80 kg, <i>Trichoderma asperellum</i> -10 Kg, <i>Bacillus subtilis</i> – 10 kg, Field Board - 10Nos
Farmers practice	Cultivation of local variety
Source of input	TNAU
Photos	
Average farmers yield	500 kg/ha
Season	Rabi
No. of Demos (replications)	10
Total cost for the Demo	Rs.16900.00
Parameters to be studied:	Plant population, No.of pods per plant, Yield qtl/ha, BCR
Parameters to be reported	Yield : qtl/ha, Benefit cost ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS-Agronomy, SMS-Plant Protection and Senior Scientist and Head

3. Demonstration of TNAU Maize maxim booster

FLD No.:	03
Status (New proposal/2 nd year /3 rd year)	New
Subject	Agronomy
Category:	Crop production and Management
Crop/ enterprise:	Maize
Farming situation	Irrigated, Sandy loamy
Prioritized problem:	Micronutrient deficiency leads to poor yield
Title	Demonstration of TNAU Maize maxim booster
Technology to be demonstrated:	TNAU Maize maxim booster
Source of Technology:	TNAU 2020
Description	It improves grain filling and drought tolerance and also increases grain yield upto 20%
Potential yield	-
Critical input, quantity and cost	TNAU Maize maxim booster – 60 kg, Field Board - 10 Nos
Farmers practice	No usage of TNAU Maize maxim booster
Source of input	TNAU
Photos	
Average farmers yield	-
Season	<i>Kharif</i>
No. of Demos (replications)	10
Total cost for the Demo	Rs.21900.00
Parameters to be studied:	Plant height, No. of cobs per plant, Yield : qtl/ha, BCR
Parameters to be reported	Yield : qtl/ha, Benefit cost ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS-Agronomy, SMS-Plant Protection and Senior Scientist and Head

4. Demonstration of Zinc solubilizing bacterial biofertilizer

FLD No.:	04
Status (New proposal/2 nd year /3 rd year)	New
Subject	Agronomy
Category:	Crop production and Management
Crop/ enterprise:	Paddy
Farming situation	Irrigated, Sandy loamy
Prioritized problem:	More zinc deficiency in paddy leads to low yield
Title	Demonstration of Zinc solubilizing bacterial biofertilizer
Technology to be demonstrated:	Zinc solubilizing bacterial biofertilizer
Source of Technology:	TNAU 2022
Description	Zinc solubilizing bacterial strains were developed as carrier-based and liquid biofertilizer for ensuring Zn nutrition of crops.
Potential yield	-
Critical input, quantity and cost	Zinc solubilizing bacterial biofertilizer– 10 litres, Field Board - 10 Nos
Farmers practice	No usage of Zinc solubilizing bacterial biofertilizer
Source of input	TNAU
Photos	
Average farmers yield	
Season	<i>Kharif</i>
No. of Demos (replications)	10
Total cost for the Demo	Rs.8500.00
Parameters to be studied:	Plant population, No. of Productive tillers per plant, No. of grains per hill, Yield-Q/ha.
Parameters to be reported	Yield : qtl/ha, Benefit cost ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS-Agronomy, SMS-Plant Protection and Senior Scientist and Head

5. Demonstration of Ridge gourd variety MDU 1

FLD No.	05
Status (New proposal/2 nd year /3 rd year)	2 nd year
Subject	Horticulture
Category:	Vegetable
Crop/ enterprise:	Ridge gourd
Farming situation	Irrigated, Sandy loam soil
Prioritized problem:	<ul style="list-style-type: none"> ▪ Low yield due to cultivation of local variety
Title	Demonstration of Ridge gourd variety MDU 1
Technology to be demonstrated:	Varietal Assessment
Hybrid or Variety:	Variety – MDU 1 Ridge gourd
Source of Technology:	TNAU, 2023
Description	<ul style="list-style-type: none"> ▪ Early flowering, produce medium size fruit. ▪ Soft flesh, suitable for export purpose. ▪ yield – 18.5 t/ha. ▪ Tolerant to fruit fly attack.
Potential yield	18.5 t/ha
Critical input, quantity and cost	<ul style="list-style-type: none"> ▪ Ridge gourd seed - 4 kg ▪ Vegetable special - 20 kg ▪ Bacillus - 10 kg ▪ Field board - 10 No
Farmers practice	Cultivation of local variety with conventional production practices
Source of input	TNAU, Madurai and KVK, Thiruvannamalai.
Photos	
Average farmers yield	14 t/ha
Season	Kharif
No. of Demos (replications)	10
Total cost for the Demo	Rs. 11500.00
Parameters to be studied:	Days to 50% flowering, Average fruit weight (kg), Average fruit length (cm), Yield Q/ha, BCR.
Parameters to be reported	Yield (Q/ha), BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS- Horticulture, SMS- Plant Protection, Senior Scientist and Head.

6. Demonstration of Brinjal variety MDU 2

FLD No.	06
Status (New proposal/2 nd year /3 rd year)	OFT converted to FLD
Subject	Horticulture
Category:	Vegetable
Crop/ enterprise:	Brinjal
Farming situation	Irrigated, Sandy loam soil
Prioritized problem:	<ul style="list-style-type: none"> ▪ Low yield due to cultivation of local variety
Title	Demonstration of Brinjal variety MDU 2
Technology to be demonstrated:	Varietal Assessment
Hybrid or Variety:	Variety – MDU 2 Brinjal
Source of Technology:	TNAU, 2021
Description	<ul style="list-style-type: none"> ▪ Medium sized oblong fruits ▪ Light purple with white stripes ▪ Cluster bearing ▪ Yield - 31.24 t/ha.
Potential yield	31.24 t/ha
Critical input, quantity and cost	<ul style="list-style-type: none"> ▪ Brinjal seed - 1 kg ▪ Vegetable special - 20 kg ▪ <i>Trichoderma viride</i> - 10 kg ▪ Field board - 10 No
Farmers practice	Cultivation of local variety with conventional production practices
Source of input	TNAU, Madurai and KVK, Thiruvannamalai.
Photos	
Average farmers yield	25 t/ha
Season	Kharif
No. of Demos (replications)	10
Total cost for the Demo	Rs. 8000.00
Parameters to be studied:	Days to 50% flowering, Average fruit weight (kg), Yield Q/ha, BCR.
Parameters to be reported	Yield (Q/ha), BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS- Horticulture, SMS- Plant Protection, Senior Scientist and Head.

7. Demonstration of Integrated Crop Management in bhendi

FLD No.	07
Status (New proposal/2 nd year /3 rd year)	New
Subject	Horticulture
Category:	Vegetable
Crop/ enterprise:	Bhendi
Farming situation	Irrigated, Sandy loam soil
Prioritized problem:	<ul style="list-style-type: none"> ▪ Low yield due to lack of improved technologies
Title	Demonstration on Integrated Crop Management in Bhendi
Technology to be demonstrated:	Crop Production and Management
Hybrid or Variety:	-
Source of Technology:	TNAU 2020
Description	<ul style="list-style-type: none"> ▪ FYM 25t/ha ▪ NPK based on soil test ▪ Seed treatment with <i>Trichoderma viride</i> @4g/kg ▪ Foliar spray of Micro nutrients mixture @ 0.5% ▪ Installation of yellow sticky trap ▪ Yield is 12 – 15 tons/ha.
Potential yield	12-15 t/ha
Critical input, quantity and cost	<ul style="list-style-type: none"> ▪ Vegetable special - 20 kg, ▪ <i>Trichoderma viride</i> - 10kg, ▪ Yellow sticky trap - 50 nos ▪ Field Board - 10 nos.
Farmers practice	Adoption of conventional production practices with soil application of NPK fertilizers (conventional) without proper micro nutrition.
Source of input	KVK, Thiruvannamalai.
Photos	
Average farmers yield	9 t/ha
Season	Rabi
No. of Demos (replications)	10
Total cost for the Demo	Rs. 9000.00
Parameters to be studied:	Days to 50% flowering, Fruit length (cm), Yield (Q/ha), BCR.
Parameters to be reported	Yield (Q/ha),BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS- Horticulture, SMS- Plant Protection, Senior Scientist and Head.

8. Demonstration of Integrated Crop Management in Jasmine

FLD No.	08
Status (New proposal/2 nd year /3 rd year)	New
Subject	Horticulture
Category:	Flower
Crop/ enterprise:	Jasmine
Farming situation	Irrigated, Sandy loam soil
Prioritized problem:	<ul style="list-style-type: none"> ▪ Imbalanced nutrition and sucking pest
Title	Demonstration on Integrated Crop Management in Jasmine
Technology to be demonstrated:	Crop Production and Management
Hybrid or Variety:	-
Source of Technology:	TNAU 2020
Description	<ul style="list-style-type: none"> ▪ FYM 10 kg/pit ▪ NPK based on soil test ▪ Foliar spray of Micro nutrients mixture @ 0.5% ▪ Installation of yellow sticky trap ▪ Yield is 8-9 tons/ha.
Potential yield	8-9 t/ha
Critical input, quantity and cost	<ul style="list-style-type: none"> ▪ MN mixture - 20 kg, ▪ <i>Trichoderma viride</i> - 10kg, ▪ Yellow sticky trap - 50 nos ▪ Field Board - 10 nos.
Farmers practice	Adoption of conventional production practices with soil application of NPK fertilizers (conventional) without proper micro nutrition.
Source of input	KVK, Thiruvannamalai.
Photos	
Average farmers yield	5 t/ha
Season	Rabi
No. of Demos (replications)	10
Total cost for the Demo	Rs. 9000.00
Parameters to be studied:	Yield (Q/ha), BCR.
Parameters to be reported	Yield (Q/ha),BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS- Horticulture, SMS- Plant Protection, Senior Scientist and Head.

9. Demonstration of IDM for false smut in Rice

FLD No.	09
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject	Plant Protection
Category:	Cereals
Crop/ enterprise:	Paddy
Farming situation	Irrigated and Clay loam.
Prioritized problem:	Lack of knowledge on IDM Practices, Incidence of False smut, Poor yield
Title	Demonstration of IDM for false smut in Rice
Technology to be demonstrated:	IDM
Hybrid or Variety:	Variety – Co51
Source of Technology:	TNAU 2022
Description	<ul style="list-style-type: none"> ▪ Seed treatment with carbendazim 2.0g/kg of seeds. ▪ Foliar spraying of Azoxystrobin 7.1% + Propiconazole 11.9 % W/W SE @ 500 ml/ha at tillering and early booting stage
Potential yield	-
Critical input, quantity and cost	Carbendazim - 1 Kg Azoxystrobin + Propiconazole - 2 lit Field board - 10 no
Farmers practice	Application of COC 3 gm/lit
Source of input	Local Agri clinic.
Photos	
Average farmers yield	46.50 Q/ha
Season	Kharif
No. of Demos (replications)	10
Total cost for the Demo	Rs.21000.00
Parameters to be studied:	Percent disease index, Yield Q/ha, Benefit Cost Ratio
Parameters to be reported	Yield, Gross expenditure, Gross income, Net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others)	KVK Main
Team members	SMS - Plant Protection, SMS – Agronomy, SS and Head.

10. Demonstration of management of Root rot disease in Groundnut

FLD No.	10
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject	Plant Protection
Category:	Oil seed
Crop/ enterprise:	Groundnut
Farming situation	Rainfed and red loamy soil
Prioritized problem:	<ul style="list-style-type: none"> ▪ High incidence of Root rot disease. ▪ Lack of awareness on IDM. ▪ Low yield
Title	Demonstration of management of Root rot disease in Groundnut
Technology to be demonstrated:	IDM
Hybrid or Variety:	Variety – VRI 10
Source of Technology:	TNAU 2020
Description	<ul style="list-style-type: none"> ▪ Summer ploughing ▪ Seed treatment with Carbendazim @2 g/kg of seed ▪ Soil application of <i>Bacillus subtilis</i> and <i>Trichoderma</i> @ 2.5 kg/ha each mixed with 50 kg FYM on 30 DAS. ▪ Soil drench with carbendazim @ 1 g / l
Potential yield	-
Critical input, quantity and cost	Carbendazim - 2.5 Kg <i>Trichoderma asperellum</i> - 20 Kg <i>Bacillus subtilis</i> - 20 Kg Field board - 10 no
Farmers practice	Indiscriminate use of pesticides
Source of input	KVK, local Agri clinics
Photos	
Average farmers yield	14.56 Q/ha
Season	Kharif
No. of Demos (replications)	10
Total cost for the Demo	Rs.10000.00
Parameters to be studied:	Percent disease incidence, Yield Q/ha, Benefit Cost Ratio
Parameters to be reported	Yield, Gross expenditure, Gross income, Net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS - Plant Protection, SMS – Agronomy, SS and Head.

11. Demonstration of Panama wilt management in banana

FLD No.:	11
Status (New proposal/2 nd year /3 rd year)	New Proposal
Subject	Plant Protection
Category:	Fruit crops
Crop/ enterprise:	Banana
Farming situation	Irrigated, Sandy clay loam soil
Prioritized problem:	<ul style="list-style-type: none"> ▪ High incidence of Panama wilt, Lack of knowledge on IDM, Low yield.
Title	Demonstration of Panama wilt management in banana
Technology to be demonstrated:	IDM
Hybrid or Variety:	Karpooravalli
Source of Technology:	TNAU, 2020
Description	<ul style="list-style-type: none"> ▪ <i>Bacillus subtilis</i> and <i>Trichoderma asperellum</i> 2.5 kg/ha (Each) + FYM + neem cake for 3 times at 2nd, 4th, 6th month after planting. ▪ Corm injection of Carbendazim 0.2 % for 3 times at 2nd, 4th, 6th month after planting.
Potential yield	-
Critical input, quantity and cost	Carbendazim - 5 Kg <i>Trichoderma asperellum</i> - 30 Kg <i>Bacillus subtilis</i> - 30 Kg Field board - 10 no
Farmers practice	Application of fungicide
Source of input	KVK, Local agri clinic
Photos	
Average farmers yield	473.56 qtl/ha
Season	Rabi
No. of Demos (replications)	10
Total cost for the Demo	Rs.13500.00
Parameters to be studied:	Percent Disease Incidence, Yield Q/ha, Benefit Cost Ratio
Parameters to be reported	Yield, Gross cost, Gross and net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS - Plant Protection, SMS – Horticulture, SS and Head.

12. Demonstration of IPM Strategies for Shoot and Fruit borer management in Brinjal

FLD No.:	12
Status (New proposal/2 nd year /3 rd year)	New Proposal
Subject	Plant Protection
Category:	Vegetable
Crop/ enterprise:	Brinjal
Farming situation	Irrigated and sandy loam soil
Prioritized problem:	Injudicious use of pesticides for the management of shoot and fruit borer. High infestation of shoot and fruit borer. Non adoption of IPM practices, Low yield.
Title	Demonstration of IPM Strategies for Shoot and Fruit borer management in Brinjal
Technology to be demonstrated:	IPM
Hybrid or Variety:	Private Hybrid
Source of Technology:	TNAU 2020
Description	<ul style="list-style-type: none"> ▪ Soil application of neem cake @250Kg/ha. ▪ Installation of pheromone traps @5 no/acre. ▪ Spraying of neem oil 1% EC @ 2ml /lit ▪ Release of Trichogramma chilonis @ 50,000/ha @10days interval 6 times. ▪ Need based insecticide of Emamectin benzoate 5 % SG @ 4g/10 lit.
Potential yield	-
Critical input, quantity and cost	Pheromone trap - 50 No, Lure - 100 No., Neem oil - 5 lit, Emamectin benzoate - 1 kg Field board - 10 No
Farmers practice	Indiscriminate use of chemical pesticide
Source of input	PCI, local Agri clinic
Photos	
Average farmers yield	473.23 qtl/ha
Season	Rabi
No. of Demos (replications)	10
Total cost for the Demo	Rs.15400.00
Parameters to be studied:	Percent infestation, Yield Q/ha, Benefit Cost Ratio
Parameters to be reported	Yield, Gross cost, Gross and net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS - Plant Protection, SMS – Horticulture, SS and Head.

13. Demonstration of Milk Flow bolus for enhancing milk production in dairy cow

FLD No.	13
Status (New proposal/2 nd year /3 rd year)	New FLD
Subject	Animal Science
Category:	Disease Management
Crop/ enterprise:	Cow
Farming situation	-
Prioritized problem:	Low milk production, Slow milk flow during milking.
Title	Demonstration of Milk Flow bolus for enhancing milk production in dairy cow
Technology to be demonstrated:	Demonstration of Milk Flow bolus for enhancing milk production.
Hybrid or Variety:	-
Source of Technology:	VIF, TANUVAS, 2025
Description	Milk flow bolus is a premium nutritional supplement designated to naturally increase milk production and improve lactation efficiency and improve overall health of the dairy cows.
Potential yield	-
Critical input, quantity and cost	<ul style="list-style-type: none"> ▪ Milk flow bolus: 20 Pack, ▪ Field Board : 10 Nos
Farmers practice	Applying castor oil for milking
Source of input	TANUVAS, Chennai.
Photos	
Average farmers yield	-
Season	Kharif
No. of Demos (replications)	10
Total cost for the Demo	Rs. 14000.00
Parameters to be studied:	Milk yield (%), BCR
Parameters to be reported	Milk yield (%), BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS – Animal Science, Senior Scientist and Head.

14. Demonstration of Star Chicken under backyard condition

FLD No.	14
Status (New proposal/2 nd year /3 rd year)	New FLD
Subject	Animal Science
Category:	Livestock Production Management
Crop/ enterprise:	Poultry
Farming situation	-
Prioritized problem:	Less number of egg production, Low hatchability, Chick mortality, Less feed efficiency, Low body weight gain.
Title	Demonstration of Star Chicken under backyard condition
Technology to be demonstrated:	Demonstration of Star Chicken
Hybrid or Variety:	-
Source of Technology:	TANUVAS, 2021
Description	<ul style="list-style-type: none"> ▪ Brown shelled egg producer. ▪ Flightiness to evade predation. ▪ Optimum egg number of 220 eggs per annum. ▪ Good survivability of 92.43% under the backyard system. ▪ Multi coloured feather pattern.
Potential yield	-
Critical input, quantity and cost	<ul style="list-style-type: none"> ▪ Star Chicken (Month old) : 250 Nos ▪ Field Board : 10 Nos
Farmers practice	Applying salt and manual control
Source of input	-
Photos	
Average farmers yield	-
Season	Kharif
No. of Demos (replications)	10
Total cost for the Demo	Rs. 30500.00
Parameters to be studied:	Poultry Weight(Kg), Egg Production (Nos), Mortality(%), BCR
Parameters to be reported	Poultry Weight(Kg), Egg Production (Nos), Mortality(%), BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS – Animal Science, Senior Scientist and Head.

15. Demonstration of Nano methicone spray for management of Ectoparasite in Goat

FLD No.	15
Status (New proposal/2 nd year /3 rd year)	New FLD
Subject	Animal Science
Category:	Disease Management
Crop/ enterprise:	Goat
Farming situation	-
Prioritized problem:	High incidence of ectoparasite
Title	Demonstration of Nano methicone spray for management of Ectoparasite in Goat
Technology to be demonstrated:	Nano methicone spray for management of Ectoparasite in Goat
Hybrid or Variety:	-
Source of Technology:	TRPVV, TANUVAS 2023
Description	<ul style="list-style-type: none"> ▪ It is non-toxic and promotes slow release of active ingredients. ▪ It has antiseptic properties and helps to prevent skin infections. ▪ It is eco-friendly and safe for the animals.
Potential yield	-
Critical input, quantity and cost	<ul style="list-style-type: none"> ▪ Nano methicone spray: 50 Nos, ▪ Field Board : 10 Nos
Farmers practice	Feeding of rice gruel
Source of input	-
Photos	
Average farmers yield	-
Season	Rabi
No. of Demos (replications)	10
Total cost for the Demo	Rs. 23000.00
Parameters to be studied:	▪ Nano methicone spray: 50 Nos, Field Board -10 Nos
Parameters to be reported	▪ Nano methicone spray: 50 Nos, Field Board -10 Nos
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS – Animal Science, Senior Scientist and Head.

16. Demonstration of Milk replacer for lamb

FLD No.	16
Status (New proposal/2 nd year /3 rd year)	New FLD
Subject	Animal Science
Category:	Livestock Production Management
Crop/ enterprise:	Sheep
Farming situation	-
Prioritized problem:	High mortality, Low weight gain,
Title	Demonstration of Milk replacer for lamb
Technology to be demonstrated:	Milk replacer for lamb
Hybrid or Variety:	-
Source of Technology:	NIANP, 2021
Description	<ul style="list-style-type: none"> ▪ Special diet rich in protein, energy, minerals and vitamins for pre weaning lambs, Contains quality ingredients with high digestibility and palatability. ▪ Improves nutrient supply, promotes faster growth and survivability of new-born lambs
Potential yield	-
Critical input, quantity and cost	<ul style="list-style-type: none"> ▪ Milk replacer – 40 Kgs, ▪ Field Board : 10 Nos
Farmers practice	Aseel chicks in open place.
Source of input	-
Photos	
Average farmers yield	-
Season	Rabi
No. of Demos (replications)	10
Total cost for the Demo	Rs. 16000.00
Parameters to be studied:	<ul style="list-style-type: none"> ▪ Lamb mortality(%), lamb production, BCR
Parameters to be reported	<ul style="list-style-type: none"> ▪ Lamb mortality(%), lamb production, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS – Animal Science, Senior Scientist and Head.

17. Demonstration on innovative milk products for entrepreneurship development

FLD No.	17
Status (New proposal/2 nd year /3 rd year)	1 st year
Subject	Home Science
Category:	Value addition
Crop/ enterprise:	Milk
Farming situation	-
Prioritized problem:	Poor shelf life, low income, lack of awareness on milk value added products
Title	Demonstration on innovative milk products for entrepreneurship development
Technology to be demonstrated:	Flavoured milk, paneer, probiotic products
Hybrid or Variety:	-
Source of Technology:	TANUVAS- 2015, TNAU-2020, NIFTEM - 2022
Description	Improved consumer experience viz., naturally fortified with vitamins & minerals, enhance flavour, and gut health through probiotic products.
Potential yield	-
Critical input, quantity and cost	Paneer pressing machine – 5 no.s, herbs, Spices, Field board-1
Farmers practice	Sold as milk
Source of input	ICAR – KVK, Chengalpattu
Photos	
Average farmers yield	-
Season	Kharif 2025
No. of Demos (replications)	5
Total cost for the Demo	Rs.26500.00
Parameters to be studied:	Shelf life, consumer acceptability, BCR
Parameters to be reported	Shelf life, consumer acceptability, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK SC SP
Team members	SMS – Home Science, SMS – Animal Science

18. Demonstration on nutri-garden

FLD No.	18
Status (New proposal/2 nd year /3 rd year)	2 nd year
Subject	Home Science
Category:	Nutritional security
Crop/ enterprise:	Nutrigarden
Farming situation	-
Prioritized problem:	Low intake vegetables in daily diet, underutilization of backyard water
Title	Demonstration on nutri-garden
Technology to be demonstrated:	Nutrigarden
Hybrid or Variety:	Native seeds
Source of Technology:	TNAU, 2016
Description	Effective utilization of backyard. Nutr garden ensures access to healthy diet with adequate macro and micronutrients at doorstep.
Potential yield	-
Critical input, quantity and cost	Seed kit -10, Garden Tools-10, Organic inputs-20lit, Field board-10
Farmers practice	-
Source of input	KVK
Photos	
Average farmers yield	-
Season	Kharif 25
No. of Demos (replications)	10
Total cost for the Demo	Rs.15000.00
Parameters to be studied:	Yield, BCR
Parameters to be reported	Yield, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK – SC SP
Team members	SMS – Home Science, SMS - Horticulture

19. Demonstration on Banana based products – EDP mode

FLD No.	19
Status (New proposal/2 nd year /3 rd year)	New
Subject	Home Science
Category:	Value addition
Crop/ enterprise:	Fruits
Farming situation	-
Prioritized problem:	Improper ripening resulting in loss of quality and shelf life. Also, using artificial ripening methods with banned chemicals can pose health risks.
Title	Demonstration on Banana based products – EDP mode
Technology to be demonstrated:	Post harvest management, Banana based RTU products
Hybrid or Variety:	-
Source of Technology:	IIHR 2015, CIAE 2018, CSCRI / TNAU Coimbatore 2018
Description	Prolonging product shelf life, enhancing product quality, minimizing waste, and optimizing storage.
Potential yield	-
Critical input, quantity and cost	Banana Ripening chamber – 5, Demo materials, Packing materials, Field Board-1
Farmers practice	Smoking
Source of input	IIHR & local
Photos	
Average farmers yield	-
Season	Rabi 2025
No. of Demos (replications)	5
Total cost for the Demo	Rs.30750.00
Parameters to be studied:	Shelf life, consumer acceptability, BCR
Parameters to be reported	Shelf life, consumer acceptability, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK – SC SP
Team members	SMS – Home Science, SMS - Horticulture

9.3. National Food Security Mission (NFSM)

9.3.1. Cluster Frontline Demonstrations on Pulses 2025-26

Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
Pulses	Blackgram	Lack of awareness on improved varieties, Poor tolerance to drought, Cultivation of VBN4, Non availability of bold varieties, Incidence of YMV, Sucking pest and Spodoptera, Low yield.	<ul style="list-style-type: none"> ▪ Seed treatment with <i>Rhizobium</i> @ 200 gm, <i>Bacillus subtilis</i> 10 gm/kg and <i>T. asperellum</i> 4 gm /kg of seed. ▪ Soil application of <i>Rhizobium</i> and <i>Phosphobacteria</i> @ 2.5 kg /ha each, <i>Bacillus subtilis</i> 2.5kg/ha and <i>T. asperellum</i> @ 2.5 kg / ha. ▪ Foliar spray of TNAU pulse wonder 5 kg/ha at pre flowering and Yellow sticky trap @ 12 no./ha. ▪ Application of NPV @ 625 SL/ha during incidence. 	Variety	VBN-8 & 11	TNAU

Crop/enterprise	Name of critical input	Qty per Demo	Cost per Demo (Rs)	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team member
Blackgram	VBN 8 Seeds, Rhizobium, Phosphobacteria, <i>Bacillus subtilis</i> , <i>Trichoderma asperellum</i> , TNAU pulse wonder, Neem oil, Yellow sticky traps, Indoxcarb 10% EC, MN Mixture & NPV 250 SL.	<ul style="list-style-type: none"> ▪ VBN 8 Seeds - 8 Kgs. ▪ Rhizobium - 1 Kg. ▪ Phosphobacteria - 1 Kg. ▪ <i>B.subtilis</i> - 2 Kg. ▪ <i>T. asperellum</i>- 2 Kgs, ▪ TNAU pulse wonder-2kgs. ▪ Neem oil-250 ml. ▪ Yellow sticky trap - 5 nos. ▪ Indoxcarb 10% EC-100ml. ▪ NPV 250 SL- 250 ml. ▪ Soil health card. 	9000//ha + Others	130	1403000/-	<ul style="list-style-type: none"> ▪ Plant population/ sqm. ▪ No. of branches /plant. ▪ Yield (q/ha). ▪ BCR 	SMS Agronomy, SMS Plant Protection, Senior Scientist and Head.

9.3.2. Cluster Front Line Demonstrations on Oil Seeds 2025-26

Category	Crop/enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology
Oilseeds	Groundnut	Lack of awareness on the new varieties, less drought tolerant, Cultivation of VRI 2, Incidence of Root rot, leaf spot, rust and Spodoptera, Leaf minor, Low yield	<ul style="list-style-type: none"> ▪ Demo of TMV-14/ TCGS 1694 groundnut variety ▪ Seed treatment and soil application of Rhizobium @ 1 kg /acre. ▪ Seed treatment and soil application of T.asperellum and <i>Bacillus subtilis</i> (Consortia) @ 2 kg /acre each. ▪ Basal application of micronutrient mixture @ 5 kg /acre. ▪ Foliar application of groundnut rich @ 2.25 kg/acre at 30 and 45 DAS. ▪ Application of gypsum @ 160 kg/acre at Basal and 45 DAS. 	Variety	VRI-10/ TMV-14	TNAU

Crop/enterprise	Name of critical input	Qty per Demo	Cost per Demo (Rs)	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team member
Groundnut	Groundnut Seed, <i>Rhizobium</i> <i>Phosphobacteria</i> Yellow sticky trap Groundnut rich Neem oil Chlorantriliniprole Emamectin benzoate <i>Bacillus thuringiensis</i>	50 kg 1 litre 1 litre 5 nos 4 kg 1 litre 60 ml 100 g 1 litre	14000/ha- & Others	100	18,17,000.00	<ul style="list-style-type: none"> ▪ Plant population/ sqm. ▪ No. of pods /plant. ▪ Yield (q/ha). ▪ BCR 	SMS Agronomy, SMS Plant Protection, Senior Scientist and Head.

10. Special Programmes 2025-26

S. No.	Category/ Crop or enterprise	Prioritized problem	Title of Technology	Source	No. of Demo	Area (ha)/ Units	Details of critical inputs	Total cost involved (Rs.)	Names of the team members involved
1	Integrated farming system	Low income, Poor Employment, Poor resource recycling, Lack of knowledge on scientific farming.	Integrated farming system	ICAR	4	4	<ul style="list-style-type: none"> ▪ Chicks – 2 farmers. ▪ Vermicompost - 2 farmers 	40000.00	SS & Head, SMS Animal Science, SMS Agronomy.
2	FFS	Low yield, Pest and disease incidence,	ICM in Paddy	TNAU	1	0.4	<ul style="list-style-type: none"> ▪ Seed ▪ Bio inputs ▪ Micro nutrient mixture. ▪ IPM kits 	30000.00	SS & Head, SMS Agronomy, SMS Plant Protection
3	NFDB	-	-	-	-	-	-	-	-
4	SERP	-	-	-	-	-	-	-	-
5	Enterprise	-	-	-	-	-	-	-	-

11. Externally funded projects

11.1. Projects summary

S.No.	Title	Funding agency	Duration in years	Year of start	Physical details (no. of programmes, participants, area etc.)	Total budget (Rs)	Current year budget (Rs)	Team Members Involved
1	Training cum exposure visit on Organic farming (CAT)	NABARD	3 days	2025-26	25 FPO members	135000/-	-	SMS–Plant Protection, SS & Head

2	STRY : Bio inputs production	Department of Agriculture	6	2025-26	15 Rural youth	42000.00/-	-	SMS Agronomy SMS Horticulture, and SS & Head
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11.2. Project details

1. Training cum exposure visit on Organic farming (CAT)

Funding Agency	NABARD
State/Central/Over Seas	Tamil Nadu
Title	Training cum exposure visit on Organic farming (CAT)
Objectives	To improve the soil fertility, empower the knowledge on organic farming, production, utilization of organic inputs and develop the organic farming model in the district.
Study area	Thiruvannamalai district.
Methodology	Training and Exposure visit.
Team Members	SMS Plant Protection, Senior Scientist and Head i/c,
Budget	Rs. 135000/-

2. STRY : Bio inputs production

Funding Agency	Department of Agriculture
State/Central/Over Seas	Tamil Nadu
Title	Production of Bio inputs
Objectives	<ul style="list-style-type: none"> ❖ To impart knowledge on organic farming ❖ To facilitate production of bio inputs among the rural youth.
Study area	Thiruvannamalai district
Methodology	Training and Demonstration
Team Members	SMS Agronomy, SMS Horticulture and Senior Scientist and Head
Budget	Rs. 42000/-

12. Trainings planned during 2025-26

12.1. Trainings for Farmers and Farm Women planned during 2025-26

S.No	Thematic area	Crop / Enterprise	Major problem	Linked field intervention (OFT/ FLD)	Training Course Title	No. of Courses	Expected No. of participants (including SC/ST Farmers)	Names of the team members involved
1	Crop Production	Paddy	Lack of awareness on season specific varieties lead to low yield	OFT: Assessment of Paddy varieties for higher productivity.	ICM practices for paddy	2	40	SMS Agronomy, SMS Plant protection., SS & Head
	Crop Production	Paddy	Poor INM practices and lack of use of micronutrient	OFT: Assessment of Phosphorus supplementation to enhance yield in Paddy OFT: Assessment of Foliar nutrition for the improvement of grain filling in Paddy FLD: Demonstration of Zinc solubilizing bacterial biofertilizer	INM practices for paddy	3	60	SMS Agronomy, SMS Plant protection., SS & Head

2	Crop Production	Finger millet	Cultivation of long duration and old varieties, Lack of awareness on high yielding variety, High incidence of pest and disease.	FLD: Demonstration of Finger millet Variety ATL 2	ICM practices for Finger millet	1	20	SMS Agronomy, SMS Plant protection., SS & Head
3	Crop Production	Redgram Blackgram, Greengram,	Cultivation of low yielding varieties, Severe incidence of YMV, Sterility mosaic virus, Powdery mildew, Shattering during harvest, Long duration, Labour intensive, Low yield.	FLD: Demonstration of VBN 6 Greengram	ICM practices for pulses	3	60	SMS Agronomy, SMS Plant protection., SS & Head
4	Crop Production	Groundnut	Lack of awareness on the new varieties, less drought tolerant, Cultivation of VRI 2, Incidence of Root rot, leaf spot, rust and Spodoptera, Low yield.	OFT: Assessment of Groundnut varieties for higher yield	ICM practices for groundnut	3	60	SMS Agronomy, SMS Plant protection., SS & Head
5	Crop Production	Maize	Cultivation of old varieties, Lack of knowledge on nutrient management practices, Poor yield, Lack of knowledge on value addition. High incidence of Fall army worm.	FLD: Demonstration of TNAU Maize maxim booster	INM practices for Maize	1	20	SMS Agronomy, SMS Plant protection, SS & Head

6	Crop Production	Sugarcane	Lack of awareness on the new varieties, Irrigation schedule, Low yield and lack of knowledge about cultivation practices	-	ICM practices for sugarcane	1	20	SMS Agronomy, SMS Plant protection, SS & Head
7	Horticulture	Ridge gourd Bitter gourd, Bottle gourd,	Low fruit set, Lack of adoption of improved production technologies, Maleness	FLD : Demonstration of Ridge gourd variety MDU 1	Precision farming technologies	2	40	SMS Horticulture, SMS Plant protection Senior Scientist and Head
					ICM in cucurbits	2	40	
8	Horticulture	Brinjal, Chillies, Tomato	Low yield, Flower drop, Lack of adoption of location specific hybrids/varieties, Lack of application of growth regulators, Lack of adoption of improved technologies, Imbalanced nutrition,	OFT : Assessment of Improved varieties for higher productivity in Tomato OFT: Assessment of brinjal variety for higher productivity FLD: Demonstration of brinjal variety MDU 2	ICM and INM technologies	6	120	SMS Horticulture, SMS Plant protection Senior Scientist and Head.

9	Horticulture	Bhendi	Lack of adoption of improved production technologies	OFT: Assessment of bhendi hybrids for higher productivity FLD: Demonstration of ICM in bhendi	ICM and INM technologies	2	40	SMS Horticulture, SMS Plant protection Senior Scientist and Head
10	Horticulture	Cassava	Low tuber yield and weight	OFT : Integrated Nutrient Management in Cassava	Precision farming technologies	2	40	SMS Horticulture, SMS Plant protection Senior Scientist and Head
11	Horticulture	Vegetables	Low germination rate, Poor quality seedlings and field establishment	-	Improved nursery management technologies	2	40	SMS Horticulture, SMS Plant protection Senior Scientist and Head.
			Lack of knowledge on organic farming technologies	-	Organic vegetable production technologies	2	40	SMS Horticulture, SMS Plant protection Senior Scientist and Head

12	Horticulture	Fruits	Lack of knowledge of propagation techniques in fruit crops	-	Propagation techniques in fruit crops	1	20	SMS Horticulture, SMS Plant protection Senior Scientist and Head
13	Horticulture	Flowers	Lack of adoption of improved production technologies	FLD: Demonstration of ICM in Jasmine	ICM technologies	1	20	SMS Horticulture, SMS Plant protection Senior Scientist and Head
14	Agro-forestry	Forest trees	Lack of awareness on improved agro forestry systems	-	Agro forestry systems for income generation	1	20	SMS Horticulture, SMS Plant protection Senior Scientist and Head
15	Fodder Production and Management	Fodder	Feeding of low protein fodder for dairy animals Lack of awareness about cultivation of fodder crops.	-	Mixed fodder production technology	1	20	SMS Agricultural Extension. SMS Animal Science
16	Livestock Production and Management	Cow	Mastitis is one of the transition period bacterial disease most common in mature dairy cows.	OFT: Assessment of Herbal formulation to control Mastitis in Milch Cow	Dairy management	3	60	SMS Animal Science, SS & Head

			Low milk fat, SNF content in the milk is a major issue in dairy farming. Low market price for milk containing low milk fat	OFT : Assessment of feed supplement for enhancing Reproduction efficiency in Cow				
			Low milk production is a major issues in dairy farming.	FLD: Demonstration of Milk Flow bolus for enhancing milk production in dairy cow	Integrated Disease management in cow	3	60	SMS Animal Science, SS & Head
			Lack of awareness on clean milk production.	-	Clean milk production	2	40	SMS Animal Science, SS & Head
			High cost of feed, Lack of awareness on low cost feed formulation.	-	Feed production and management	2	40	SMS Animal Science, SS & Head
17	Livestock Production and Management	Sheep & Goat	The ticks, fleas, sucking, biting lice and wound are major issues in Goat production. it will affect the feed intake in turn it will reduce the growth of animals.	FLD: Demonstration of Nano methicone spray for management of Ectoparasite in Goat FLD: Demonstration of Milk replacer for lamb	Integrated Nutrient Management	2	40	SMS Animal Science, SS & Head
					Integrated Disease management in sheep and goat	2	40	
					Importance of milk replacer, deworming and vaccination in small ruminants	2	40	

18	Poultry Production and Management	Poultry	Lack of awareness on improved breeds, Low body weight, High mortality in backyard condition, Low disease resistance.	FLD : Demonstration of Star Chicken under backyard condition	Production and Disease management in native chicken	2	40	SMS Animal Science, SS & Head
			Lack of awareness on improved breeds, Low body weight, Low number of eggs		Backyard poultry farming	2	40	SMS Animal Science, SS & Head
			High feed cost, Imbalanced nutrient supply of scavenging birds.	-	Feed management in poultry	2	40	SMS Animal Science, SS & Head
		Quail	Lack of awareness on improved breeds, Low number of eggs	-	Japanese quail farming	2	40	SMS Animal Science, SS & Head
19	Home Science/Women empowerment	Paddy, Millets & Pulses	Lack of awareness value addition in traditional rice in millets. Low market price. Lack of awareness on alternate sources for refined wheat flour.	-	Preparation of traditional rice and millet based products.	3	60	SMS Home science, SS & Head

20	Plant Protection	Paddy	Lack of awareness on IPDM practices, Blast, Stem borer, leaf folder, Leaf spot, BLB, False smut and BPH, Rat and wild boar damage.	OFT: Assessment of stem borer management technologies in Rice. FLD: Demonstration of IDM for false smut in Rice	Integrated pest & disease management in paddy	4	80	SMS Plant protection, SMS Agronomy SS & Head
21	Plant Protection	Maize	Lack of awareness on IPDM practices, incidence of fall army worm.	-	Integrated pest management in maize	1	20	SMS Plant protection, SS & Head
22	Plant Protection	Blackgram, Greengram	Lack of awareness on Resistant variety, Severe incidence of YMV, pod borer and Poor yield.	OFT: Assessment of Mung bean Yellow Mosaic Virus resistant varieties in Blackgram	Integrated pest & disease management	3	60	SMS Plant protection, SS & Head
23	Plant Protection	Groundnut	Incidence of root rot, tikka leaf spot, Spodoptera, leaf minor, and wild boar. Poor yield.	FLD :Demonstration of management of Root rot disease in Groundnut	Integrated pest & disease management in Groundnut	3	60	SMS Plant protection, SS & Head

24	Plant Protection	Sugarcane	Yield loss due to different borers and severe incidence of root grub.	-	Integrated pest management in sugarcane	1	20	SMS Plant protection, SS & Head
25	Plant Protection	Banana	Lack of knowledge on wilt, Nematode, weevil, sigatoka leaf spot, Improper management practices and lack awareness on IPDM.	FLD :Demonstration of Panama wilt management in banana	Integrated disease management	1	20	SMS Plant protection, SS & Head
26	Plant Protection	Tomato	Lack of knowledge on disease resistant hybrids, Pinworm, <i>Helicoverpa</i> , Tospo virus, Whitefly, Nematode incidence	OFT :Assessment of IPM modules against Tomato pin worm	Integrated pest management	1	20	SMS Plant protection, SS & Head
27	Plant Protection	Brinjal	Lack of knowledge on IPM, Shoot and Fruit borer, wilt, little leaf and yield loss.	FLD: Demonstration of IPM Strategies for Shoot and Fruit borer management in Brinjal	Integrated pest and disease management	2	40	SMS Plant protection, SS & Head

28	Plant Protection	Chilli	High incidence of wilt, root rot, Thrips, die back, yield loss, Lack of knowledge on IPM	OFT :Assessment of microbial consortia for management soil borne diseases in Chilli	Integrated pest and disease management	1	20	SMS Plant protection, SS & Head
29	Plant Protection	Gourds	Severe incidence of fruit fly, mosaic, sucking pests, poor yield.	-	Integrated pest and disease management	2	40	SMS Plant protection, SS & Head
30	Plant Protection	Mushroom	Lack of knowledge on alternate income generation activity, Low income	-	Production technologies for oyster mushroom	1	20	SMS Plant protection, SS & Head
31	Plant Protection	Bee Keeping	Lack of awareness on bee keeping, Low income.	-	Bee keeping technologies	1	20	SMS Plant protection, SS & Head

32	Plant Protection	Sericulture	Lack of knowledge on silkworm rearing and secondary agriculture, poor income	-	Silkworm rearing technologies	1	20	SMS Plant protection, SS & Head
33	Fisheries	Fish farming	High incidence of mortality due to <i>Aeromonas hydrophila</i> . Low yield in existing varieties (4 t/ha.). Higher cost of feed	-	Fish farming	2	40	SMS Animal Science, SMS SS & Head
34	Production of Inputs at site	Vermi compost	Low soil fertility, Low yield, Lack of knowledge on composting techniques	-	Compost production technology	2	40	SMS Agronomy, SMS Agrl. Extn.
35	Capacity Building and Group Dynamics	Producer company	Low market price	-	Various Business Avenues in agriculture.	2	40	SMS Agrl. Extn. SS and Head
		ICT	Poor technology transfer mechanism and lack of awareness on soil fertility	-	Mobile apps	2	40	SMS Agrl. Extn. SMS Animal Science
36	Others- Value addition	Groundnut	Lack of awareness on non dairy flavoured milk and Low market price.	-	Preparation of groundnut based value added products.	2	40	SMS Home science, SMS Agrl. Extn.
37	Others- Value addition	Millets	Lack of awareness on millet value addition, Low market price.	-	Value addition in millet based products	3	60	SMS Home science, SMS Agrl

								Extn., SS and Head	
38	Others- Value addition	Fruits and Vegetables	Low market price during season, lack of awareness in value addition.	FLD: Demonstration banana based products in EDP mode	Preparation dehydrated vegetables	3	60	SMS Home science, SMS Horticulture, SMS Agrl. Extn.	
39	Others- Value addition	Milk	Low shelf life of paneer, Bland flavour of paneer, Lack of variety in paneer.	FLD: Demonstration on innovative milk products for entrepreneurship development	Preparation of pannier and probibiotic products	3	60	SMS Home science, SMS Animal Science, SMS Agrl. Extn	
40	Drudgery reduction	Field crops	Acute labour scarcity, Time consuming process, lack of knowledge in women friendly equipments.	-	Drudgery reducing farming equipments	2	40	SMS Home science, SMS Agrl. Extn	
41	Nutri-gardern	Nutri-gardern	Lack of awareness on nutri-garden and balanced diet	FLD: Demonstration on nutrigarden	Establishment of nutrigarden for balanced diet	4	80	SMS Home science, SMS Agrl. Extn	
TOTAL						-	110	2200	-

12.2. Trainings for Rural Youth planned during 2025-26

S. No	Thematic area	Crop / Enterprise	Major problem	Linked field intervention (OFT/ FLD)	Training Course Title	No. of Courses	Expected No. of participants	Names of the team members involved
1	Nursery Management of Horticulture crops	Vegetables	Shortage of availability of quality planting materials	-	Nursery Seedling production in vegetable crops	1	20	SMS Horticulture, SMS Plant protection Senior Scientist and Head
2	Training and pruning of orchards	-	-	-	-	-	-	-
3	Protected cultivation of vegetable crops	-	-	-	-	-	-	-
4	Commercial fruit production	-	-	-	-	-	-	-
5	Integrated farming	Enterprises	Lack of awareness	-	Awareness on IFS	1	20	All SMS
6	Seed production	Groundnut	Lack of awareness	-	Production Technology for Groundnut cultivation	1	20	SMS Agronomy, SMS Plant Protection, SS & Head

7	Production of organic inputs	Paddy	Lack of awareness	-	Traditional Preparations as organic inputs	1	20	SMS Agronomy, SMS Plant Protection, SS & Head
		Field and horticultural crops	Intensive application of pesticides, Residual effects, Resurgence development and Lack of knowledge on bio pesticides.	-	Organic method of pest & disease management	1	20	SMS Plant protection SMS Agrl Extn.,
					Bio pesticides production	1	20	SMS Plant protection SMS Agrl Extn.,
		Horticultural crops	Low productivity and soil fertility reduction	-	Organic farming in horticultural crops	1	20	SMS Horticulture, SMS Plant protection Senior Scientist and Head
8	Planting material production	Fruit crops	Lack of knowledge on production of fruit seedlings	-	Propagation techniques in fruit crops	1	20	SMS Horticulture, SMS Plant protection Senior Scientist and Head
9	Vermi-culture	-	-	-	-	-	-	-

10	Mushroom Production	Mushroom	Lack of knowledge on alternate variety, Low income	-	Production technologies for oyster mushroom	1	20	SMS Plant protection, SMS Home science, SS & Head
11	Bee-keeping	Bee Keeping	Lack of awareness on bee keeping, Low income.	-	Bee keeping technologies	1	20	SMS Plant protection, SS & Head
12	Sericulture	-	-	-	-	-	-	-
13	Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-
14	Value addition	Millets	Lack of awareness in value addition, Low market price during season.	-	Preparation millet based value added products	2	40	SMS Home science, SMS Agronomy, SS & Head
		Mushroom	Lack of awareness in value addition.	-	Preparation of value added products in mushroom	1	20	SMS Home science, SMS Plant Protection, SS & Head.
15	Small scale processing	-	-	-	-	-	-	-
16	Post Harvest Technology	-	-	-	-	-	-	-
17	Tailoring and Stitching	-	-	-	-	-	-	-
18	Rural Crafts	-	-	-	-	-	-	-
19	Production of quality animal products	-	-	-	-	-	-	-

20	Dairy farming	-	-	-	-	-	-	-
21	Sheep and goat rearing	Goat	Lack of awareness on scientific goat farming	-	Scientific goat farming	1	20	SMS Animal Science, SMS, SS & Head
22	Quail	-	-	-	-	-	-	-
23	Piggery	-	-	-	-	-	-	-
24	Rabbit farming	-	-	-	-	-	-	-
25	Poultry production	Desi birds	Lack of knowledge on improved breeds, Low egg production, Low feed efficiency	-	Backyard poultry farming	1	20	SMS Animal Science, SMS, SS&H
26	Ornamental fisheries	-	-	-	-	-	-	-
27	Composite fish culture	-	-	-	-	-	-	-
28	Freshwater prawn culture	-	-	-	-	-	-	-
29	Shrimp farming	-	-	-	-	-	-	-
30	Pearl culture	-	-	-	-	-	-	-
31	Cold water fisheries	-	-	-	-	-	-	-
32	Fish harvest and processing technology	-	-	-	-	-	-	-
33	Fry and fingerling rearing	-	-	-	-	-	-	-
34	ICT	-	-	-	-	-	-	-
Total						15	300	-

12.3. Trainings for Extension Personnel planned during 2025-26

S. No	Thematic area	Training Course Title	No. of Courses	No. of Participants
1	Productivity enhancement in field and horticultural crops	Advanced production technologies in agricultural crops	1	25
		Recent technologies in horticultural crops	1	25
2	Integrated Pest Management	Advances on pest and disease management in agriculture	1	25
3	Integrated Nutrient management	Integrated Plant Nutrition Techniques in horticultural crops	1	25
4	Rejuvenation of old orchards	-	-	-
5	Protected cultivation technology	Protected cultivation technology for high value vegetables crops	1	25
6	Production and use of organic inputs	Bioinputs production and their application methods	1	25
7	Care and maintenance of farm machinery and implements	-	-	-
8	Gender mainstreaming through SHGs	-	-	-
9	Formation and Management of SHGs	-	-	-
10	Women and Child care	-	-	-
11	Low cost and nutrient efficient diet designing	-	-	-
12	Group Dynamics and farmers organization	Business plan for Farmer producer company shareholders	1	25
13	Information networking among farmers	-	-	-
14	Capacity building for ICT application	-	-	-
15	Management in farm animals	Profitable dairy farming	1	25
16	Poultry production and management	Backyard poultry farming	1	25
17	Household food security	-	-	-
18	Any other-Organic farming	-	-	-
19	Any other-Value addition	Value addition in millet and Groundnut	1	25
Total			10	250

12.4. Skill trainings and vocational trainings planned during 2025-26

S. No.	Training title	Duration (Days)	No. of programmes	Sponsoring agency	Participants (Nos.)	Name of the team members
1	Natural Farming/Organic farming	3 days	1	-	20	SMS Agronomy, SS& Head
2	Bio pesticides production and application.	3 days	1	-	20	SMS Plant Protection, SS & Head
3	Improved nursery management in fruit and vegetable crops.	3 days	1	-	20	SMS Horticulture, SS & Head
4	Value addition in fruits and vegetables	3 days	1	-	20	SMS Home science, SMS Horticulture, SS& Head
5	Poultry rearing	3 days	1	-	20	SMS Animal Science, SS & Head
Total Courses		-	5	-	100	-

12.5. Sponsored trainings planned during 2025-26

S. No.	Thematic area and the Crop/Enterprise	Training title	No. of programmes and Duration (days)	Type of Clientele*	Expected No. of participants	Sponsoring agency	Names of the team members involved
1	Crop production	Skill training under STRY	1 (6 Days)	Rural Youth	30	Department of Agriculture, Thiruvannamalai	SMS Agronomy SMS Plant Protection
		Crop Management	2 (3 days)	Practicing farmers and farm women	60	ATMA	SMS Agronomy SMS Plant Protection
2	Fodder Production	Production and management	1 (3 days)	Farmers and farm women	30	Fodder Research station	SMS Animal Science Senior Scientist and Head
	Fisheries	Disease management	2 (5 days)	Farmers and farm women	60	NFDB, Hyderabad	SMS Animal Science Senior Scientist and Head
3	Value addition	Fruits and vegetable preservation techniques.	1 (3 days)	Farmers and farm women	30	NABARD	SMS Home science, SMS Agronomy SMS Horticulture Senior Scientist and Head

4	Value addition (Fruits & vegetables)	Fruits and vegetable preservation techniques.	1 (3 days)	Women	30	National Mission on Food Processing	SMS Home science, SMS Horticulture
	Value addition (Field crops)	Preparation of instant mix.	1 (3 days)	Women	30		SMS Home science, SMS Agronomy
	Value addition (Field crops)	Preparation of Bakery products.	1 (3 days)	Women	30		SMS Home science, SMS Agronomy
Total					300	-	-

13. Extension programmes planned during 2025-26

S. No.	Extension programme	No. of programmes	No. of Participants	Team member involved
1	Advisory Services	25	125	Senior Scientist and Head, SMS Agrl. Extension, SMS Agronomy, SMS Horticulture, SMS Home Science, SMS Plant Protection, SMS Animal Science.
2	Diagnostic visits	10	150	
3	Field Day	16	480	
4	Group discussions	5	180	
5	Kisan Ghosthi	2	250	
6	Film Show	10	250	
7	Kisan Mela	2	200	
8	Exhibition	2	600	
9	Scientists' visit to farmers field	60	300	
10	Plant/Soil health/Animal health camps	10	800	
11	Ex-trainees Sammelan	1	50	
12	Farmers' seminar/workshop	3	150	
13	Method Demonstrations	18	250	
14	Celebration of important days	5	500	
15	Special day celebration	2	200	
16	Exposure visits	2	50	
17	Technology week	1	300	
18	FFS	1	25	
19	Farm innovators meet	1	30	
20	Awareness programs	9	360	
21	Lecture delivered	60	2500	
22	Viksit Krishi Sankalp Abhiyan-Kharif	45	20000	
23	Viksit Krishi Sankalp Abhiyan-Rabi	45	20000	
	Total	335	47750	
Other Extension Activities				
24	Farmers visit to KVK	240	400	
25	TV/Radio Programme	12	0	
26	News clips	60	0	
27	Popular Articles	10	0	
28	Research Article	2	0	
29	Extension Literatures	12	6000	
30	Kisan Mobile Advisory Services	20	27000	
31	Advisory service other than Mkisan service	30	45000	
Total		386	78400	

13.1 Extension Studies

a. Impact of CFLD Pulses on yield, economics and spread of technology – Network project with other KVKs.

S.No.	Particulars	Details	Comments of Session Expert & Chairperson
1.	Name of the KVK	Thiruvannamalai	✓ The study can be take-up. ✓ The indicators and statistical tool to be clearly mentioned ✓ Sample size 200
2.	Type of Study Proposed	Impact Study	
3.	Title	Impact of CFLD Pulses on yield, economics and spread of technology	
4.	Rationale	CFLD is being conducted under NFSM to improve the pulses production in the country hence it is imperative to assess its impact in the district	
5.	Objectives	To study the yield, economics and technology spread among farmers	
6.	Methodology	Assessment Year : Past 3 years, Interview Schedule	
7.	Sample Size	60	
8.	Statistical Tool	-	
9.	Study Proposed By	Th.V.Suresh SMS (Extn)	

b. Impact of SCSP programmes implemented by KVKs in Tamil Nadu

S.No.	Particulars	Details	Comments of Session Expert & Chairperson
1.	Name of the KVK	Thiruvannamalai	✓ The study can be take-up. ✓ The parameters can be limited viz., employment generation, technology adoption, skill gained ✓ The study can be revised as “Study of effectiveness of SCSP programme on selective parameters” ✓ statistical tool to be clearly mentioned
2.	Type of Study Proposed	Impact Study	
3.	Title	Impact of SCSP programmes implemented by KVKs in Tamil Nadu	
4.	Rationale	KVKs are implementing various activates under SCSP programme for the years together but the effectiveness of the programme are not known	
5.	Objectives	1. To understand the needs and effectiveness of the vulnerable community district wise. 2. To analyse the factors	

		responsible for spread and adoption of various activities. 3. To measure the adoption level under each activities.	✓ Sample size 150-200
6.	Methodology	Ex- post facto Research Design	
7.	Sample Size	Not mentioned	
8.	Statistical Tool	Not mentioned	
9.	Study Proposed By	Th.V.Suresh SMS (Extn)	

14. Activities proposed as Knowledge and Resource Centre during 2025-26

14.1. Technological knowledge

Sl. No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
1	Technology Park/ Crop cafeteria	Paddy CO51	0.001	SMS Agrl. Extn., SMS Agronomy SMS Plant protection, Farm manager
		Finger millet ATL 2	0.001	
		Groundnut TMV(Gn)14	0.001	
		Groundnut TCGS 1694	0.001	
		Brinjal Arka neelanchal shyama	0.02	SMS Horticulture, SMS Plant protection, SMS Agrl. Extn. Farm manager
		Bhendi Arka nikita	0.01	
		Tomato COH4	0.02	
		Multi fruit garden	0.02	
		Nutrigarden	0.02	
		Herbal garden	0.02	
2	Demonstration Units	Azolla production unit	1 No	SMS Agronomy SMS Agrl. Extn. Farm manager
		Vermicompost production	1 No	
		Food processing units	1 No	SMS Home Science SMS Agril. Extn.
		Fruit orchard	7.0	SMS Horticulture SMS Plant Protection Farm manager
		Miyawaki Agroforestry	0.34	
		Mushroom production	1 No	SMS Plant protection
		Bee hives	5 No	SMS Plant Protection Farm manager
		Poultry	1 No	SMS Animal Science Farm manager
		Dairy	1 No	
		Goatery	1 No	
		Quail	1 No	

		Turkey	1 No	SMS Horticulture Farm Manager
		Fish	1 No	
		Hatchery	1 No	
		Fodder cafeteria	1 No	
		Nursery	1 No	
		Mist Chamber	1 No	
3	Lab Analytical services	Soil	1 No	PA Lab Technician SMS Plant Protection
		Water		
		Plant	1 No	
4	Technology Week	Drought mitigation technologies for Groundnut and pulses. Direct sown paddy Mechanization in groundnut Integrated Organic farming System IPDM modules Scientific livestock farming Precision farming in vegetables High density planting in fruit crops. Soil health enhancement Foliar nutrition Value addition in millets	1 No	All staff

14.2 Technological products planned to be produced in the KVK during 2025-26

Sl. No.	Category	Name of the product	Quantity (Qtl./ Number planned to be produced during 2024-25)	Names of the team members involved
1	Seeds	Paddy ADT-36, CO51	75.0	SMS Agronomy SMS Plant protection SMS Agrl. Extn. Farm Manager
		Groundnut TMV(Gn)14	7.0	
		Groundnut TCGS 1694	10.0	
		Blackgram	20.0	
		Fodder seeds	30.0	
		Native vegetable seeds	0.5	
2	Planting materials	Fruit plants	1200	SMS Horticulture SMS Plant protection SMS Animal Science Farm Manager
		Coconut seedlings	600	
		Forest Tree seedlings	1000	
		Fodder setts	10000	

3	Livestock strains	Goat (Nos)	25	SMS Animal Science Farm Manager
		Poultry desi birds	1000	
		Quail	1000	
4	Bio-products	<i>T.asperellum</i>	2.0	SMS Plant protection PA Lab technician
		<i>B.subtilis</i>	2.0	
		Vermicompost	95.0	SMS Agronomy SMS Plant Protection Farm Manager
		Vermiworms	1.0	
		Azolla	0.8	
5	Micronutrient formulation	Vegetable special	4.0	SMS Horticulture PA Lab technician
		MN mixture	1.0	SMS Agronomy PA Lab Technician Farm Manager
6	Mushroom	Spawn	0.5	SMS Plant Protection PA Lab technician
		Mushroom	1.2	

14.3. Technological Information

14.3.1. Technology backstopping to line departments

S.No	Category	Technological capsules / Number	Names of the team members involved
1	Agriculture	ICM in Paddy	SMS Agronomy SMS Plant Protection Senior Scientist and Head
		ICM in Blackgram	
		ICM in Groundnut	
		ICM in Millets	
2	Horticulture	Precision farming in vegetables	SMS Horticulture, Senior Scientist and Head
		Nursery Management in horticultural crops	
		Organic farming in horticultural crops	
3	Plant protection	Integrated pest and disease management in location specific crop.	SMS Plant Protection, Senior Scientist and Head
		Organic and bio inputs preparation and its application	
		Beekeeping technologies	
		Mulberry cultivation and silkworm rearing technologies.	
		Oyster mushroom production.	

4	Animal Science	IDM in livestock and poultry.	SMS Animal Science Senior Scientist and Head
		Production management in livestocks	
		Fodder production and management	
5	Home science	Nutri-garden/herbal and value addition of fruit and vegetables	SMS Home Science, SMS Plant protection Senior Scientist and Head.
		Value addition in millets and groundnut	

14.3.2. Publications planned

S.No	Category of publication	Number	Names of the team members involved
1	Leaf lets	ICM in Paddy	SMS Agronomy, SMS Agrl. Extn. SMS Plant protection Sr. Scientist & Head
		ICM in millets	
		ICM in Black gram	
		Bio pesticides production technology	SMS Plant protection Senior Scientist & Head
		False smut management in Paddy	
		Growth regulator application in vegetables	SMS Horticulture
		New technologies in vegetable crops	
		Value addition in vegetables	SMS Home Science, SMS Agrl. Extn.
		Value addition in traditional rice varieties	
2	Pamphlets	ICM in groundnut	SMS Agrl. Extn. SMS Plant protection Sr. Scientist & Head
		Vermicompost production	
		ICM in Brinjal	SMS Horticulture SMS Plant protection SMS Agrl. Extn.
		ICM in cucurbits	
		ICM in Chillies	
		ICM in Turmeric	
		ICM in Tomato	
		ICM in Tuberose	
		Nursery management in vegetable crops	
		IPDM in Blackgram, Groundnut	SMS Plant protection Senior Scientist & Head
		IPDM in Brinjal & Chilli	

		Integrated nematode management in Tomato	
		Organic inputs preparation for pest and disease management	
		Mushroom Production technology	
		Bee keeping technologies	
		Fodder production technologies	SMS Animal Science SMS Agrl. Extn.
		Backyard poultry production	
		Japanese quail rearing	
		Value addition in fruits and vegetables	SMS Home Science
		Value addition in millets and pulses	
2	Booklet	Organic farming	SMS Agronomy SMS Plant protection Senior Scientist and Head
		Nursery management in horticultural crops	SMS Horticulture Senior Scientist and Head
		IPDM in Paddy	IPDM in Paddy
		IPDM in Banana	IPDM in Banana
		Production and value addition in Banana	SMS Horticulture SMS Home Science
		Fodder production technology	SMS Animal Science
		Nutritional garden for balanced diet	SMS Home Science SMS Horticulture

15. Additional (Collaborative) Activities Planned during 2025-26

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
1	NABARD	FPO programme	1 No.	200000.00	All SMS
2	CIFT	Training and Demonstration	1 Nos	250000.00	

16. Revolving Fund

16.1. Status of Revolving fund

Opening balance as on 01.04.2024 (Rs.)	Receipts during 2024-25 (Rs)	Expenditure incurred during 2024-25 (Rs.)	Closing balance as on 31.03.2025 (Rs.)
2247746.00	17695497.00	13614731.00	6328512.00

16.2. Plan of activities under Revolving Fund during 2024-25

S.No.	Proposed activities	Expected output (Qtl / Nos)	Anticipated income (Rs.)	Names of the team members involved
1	Seed production			
	Paddy ADT-36, CO51	75.0	165000.00	SMS Agronomy SMS Agricultural Extension. Farm Manager
	Groundnut TMV(Gn)14	7.0	63000.00	
	Groundnut TCGS 1694	10.0	90000.00	
	Blackgram	20.0	180000.00	
	Fodder seeds	30.0	120000.00	
	Native vegetable seeds	0.5	4000.00	
2	Planting materials			
	Fruit plants	1200	84000.00	SMS Horticulture SMS Plant protection SMS Animal Science Farm Manager
	Coconut seedlings	600	30000.00	
	Forest Tree seedlings	1000	10000.00	
	Fodder setts	10000	10000.00	
3	Bio-inputs			
	Vermiworms	1.0	27500.00	SMS Agronomy Farm Manager
	Azolla	0.8	4000.00	
	<i>Trichoderma asperellum</i>	2.0	15000.00	SMS Plant protection PA Lab Technician
	<i>Bacillus subtilis</i>	2.0	15000.00	
4	Goat	10	30000.00	SMS Animal Science Farm Manager
5	Poultry Chicks- Desi bird	1500	50000.00	
	Japanese quail	1500	67500.00	
6	Fruit production			
	Mango	10	40000.00	SMS Horticulture SMS Plant protection Farm Manager
	Sapota	1	3500.00	
	Tamarind	1	18000.00	

	Amla	0.5	2000.00	
	Coconut (Nos)	1000	10000.00	
7	Vegetable production			
	Brinjal	0.5	2000.00	SMS Horticulture SMS Plant protection Farm Manager
	Chilli	0.2	1000.00	
	Tomato	0.5	1000.00	
8	Others			
	Vegetable special (MN mixture)	4.0	70000.00	SMS Horticulture PA Lab Technician
	Micronutrient mixture	1	22500.00	SMS Agronomy PA Lab Technician
	Vermicompost	95.0	95000.00	Farm Manager
	Spawn	0.5	7500.00	SMS Plant protection PA Lab Technician
	Mushroom	1.2	24000.00	PA Lab Technician
	Value added products – pickles, instant mix, Oil	6	130000.00	SMS Home science

17. Activities of soil, water and plant testing laboratory during 2025-26

S. No.	Type	Through	No. of samples	No of soil health cards	Names of the team members involved
1	Soil	Min soil testing lab	100	100	PA Lab Technician SMS Plant Protection
		Traditional lab	700	700	
		AAS	-	-	
2	Water		100		
3	Plant		10		

18. Plan of activity for Institutional Farm

S.No.	Activity	Area (ha)	Names of the team members involved
1	Production and supply of paddy seeds	2.0	SMS Agronomy SMS Agricultural Extension, Farm Manager
2	Production and supply of blackgram seeds	2.0	
3	Production and supply of groundnut seeds	4.5	

4	Production and supply of quality fruit plants	0.1	SMS Horticulture, Farm Manager
5	Production and supply of quality Forestry tree seedlings	0.2	
6	Production and supply of quality coconut seedlings	0.1	
7	Production and sale of fruits for revolving fund	8.09	SMS Horticulture, SMS Plant Protection Farm Manager
8	Production and sale of vegetables for revolving fund	0.3	

19. Demonstration units in KVK premises

S.No.	Name of Demo unit	Capacity for production (specify units)	Names of the team members involved
1	Vermicompost and worms production	10000 kg	SMS Agronomy Farm Manager
2	Vegetable special Micro nutrient mixture	300 kg	SMS Horticulture PA Lab Technician
3	Azolla production	50 kg	SMS Agronomy Farm Manager
4	Bio pesticides and fungicides production	1200 kg	SMS Plant Protection
5	Mushroom production	120 kg	
6	Mushroom spawn	50 Kg	
7	Organic inputs production	500 lit	SMS Agronomy Farm Manager
8	Slatted floor Goat unit	25 Nos.	SMS Animal Science Farm Manager
9	Backyard poultry	1000 Nos.	
10	Japanese quail	1000 Nos.	
11	Fish	50 kgs	
12	Value added products pickles, Instant mix, Groundnut oil	600 kg	SMS Home Science

20. E-linkage activities status / proposed during 2025-26

Activity	Particulars	No. of farmers in database/ involved in activity/ downloads/ users etc
Website	Link : www.kvkthiruvannamalai.com	65646
Mobile App	Name and link : -	agriismart mobile app is developed.
ICT initiative	-	-
KVK portal (update status)	Infrastructure details & photos uploaded (no):22 Events uploaded : 3880 News items submitted : 110	-
KVK mobile App of ICAR	Downloaded and used by scientists (no.)	12
Other mobile Apps in use by KVK	Uzhavan, Nithra, Santhai, Pasumai Vivasayam	8 Technical experts
mKisan of DAC & FW	Messages to the district database farmers 3 in a month.	46538
Social media		
a) Whatsapp groups	No. of groups/KVK: 8	2400
b) Face book	Link : https://www.facebook.com/kvk.thiruvannamalai	5100
c) Twitter	@kvktvm	343 following, 54 followers
d) You tube	No. of subscribers	1.75K
Membership / participation in online digital platforms for services/ marketing etc.	Participated	-
KVK Blogs etc.	-	-
Collaboration with public/ private firms for audio/ video conferencing etc	Agency : ICICI foundation, Aaramadhu FPCL, SST trust, TNVKP, HAND in HAND, AAVIN MoU (Yes/No): No. No. of programs planned: 5	-
Any other	-	-

21. Farmer's Field School planned

S. No	Thematic area	Title of the FFS	No. of members in FFS group	Budget proposed in Rs. In lakhs
1	ICM	Integrated Crop Management in Paddy	25	30000.00

Details of FFS

Activity	Session-1	Session-2	Session-3
FA	Baseline collection, Problem identification and prioritization, Introduction to FFS Finalizing FFS plot, session days, drafting rules and regulations Input assessment	Main Field Preparation	Varieties uses and benefits
LTE		Soil profile study, soil sampling	
SS		--	Know your soil
ST		--	EFYM preparation
Others		Ballot Box Exercise	--
Activity	Session-4	Session-5	Session-6
FA	Bio fertilizers and organic manures, Field layout and sowing	Spacing, Plant population, Gap filling, sowing techniques	AESA concept
LTE	Finalizing LTEs	--	LTE observation
SS	Germination test	--	Plant nutrient uptake studies
ST	Seed & soil application with bio fertilizer	--	--
Others	Soil Test result sharing, Water holding capacity and organic manure	Spacing, Plant Population maintenance	Observations on germination
Activity	Session-7	Session-8	Session-9
FA	AESA	AESA, Fertilizer and micro nutrient mixture	Irrigation management Techniques.
LTE	Weeding & Intercultural operations	--	--
SS	--	-	Identification of pests
ST	Implements for weeding	Deficiency symptoms and importance of micronutrient	--
Others	Weeding operations	--	-
Activity	Session-10	Session-11	Session-12
FA	AESA, Pesticide application methods	Disease control measures	AESA
LTE	LTE observation	--	--
SS	Organic pesticides	IDM techniques	Composting techniques

ST	IPM techniques	--	Marketing options
Others	Insect Zoo	Fungicides	Groundnut value added products

Activity	Session-13	Session-14
FA	Harvesting	Field day
LTE	--	--
SS	--	--
ST	--	Economics of crop production
Others	Storage techniques	Post knowledge test - BBE

FA- Field Activity, LTE- Long Term Experiment, SS- Short Studies, ST- Special Topic, AESA – Agro Ecosystem Analysis, BBE- Ballot Box Exercise

Budget

S.No	Item	Amount (Rs.)
1	Critical inputs – Seeds, Soil Testing, Fertilizers, & Bio control agents	7,000.00
2	Main field Preparation, Inter culture operations, weeding, harvesting	2,500.00
3	Distribution of IPM Kit @ Rs 200 per kit for 25 numbers	5,000.00
4	Banner, charts, Pencil, sketch pen, field board , inaugural session refreshments and miscellaneous	3,000.00
5	Refreshment @ Rs. 30 per trainee for 14 no. of sessions 25*14**20	10,500.00
6	Field day celebration	2,000.00
Total Rs.		30000.00

22. Details of Innovative Farmers network established

A KVK innovative farmer's network covering 2400 farmers has been established through whatsapp messenger for the procurement and sale of agri commodities. The members of the group are regularly sharing, technical and marketing information among them. Most of the content shared has been knowledge intensive with a mix of personal farming experiences.

**23. Budget - Details of budget utilization (2024-25) up to 31st March 2025
(Rs. In lakhs)**

S. No	Particulars	Sanctioned Grant for 2024-25	Released for 2024-25	Expenditure for the period from 1-4-2024 to 31-3-2025
A	<u>RECURRING</u>			
1	Pay & Allowances	172.130	172.130	172.127
2	Travelling Allowances			
	a) Field activities & programmes			
	b) Training programmes	15.000	14.683	15.005
3	<u>Contingencies</u>			
A	<i>Office Contingencies</i>			
B	Technical Programmes including SCSP	6.500	6.500	6.542
C	Technical Programmes including TSP	4.000	4.000	4.018
	Total of Contingencies	197.63	197.313	197.692
	Sub Total of Recurring Items (1+2+3)	197.63	197.313	197.692
4	<u>NON-RECURRING CONTINGENCIES:</u>			
	Works	5.500	5.500	5.514
	Furniture & Equipment (IT)	0.000	0.000	0.000
	Vehicle	0.000	0.000	0.000
	TSP (creation of physical assets)	3.000	3.000	3.102
	SCSP Component (Creation of Physical assets)	3.805	3.805	3.805
	Sub Total of non-recurring Items (4)	12.305	12.305	12.421
	GRAND TOTAL	209.935	209.618	210.113

24. Details of Budget Estimate (2025-26) based on proposed action plan(Rs. In lakhs)

S. No	Particulars	Budget Estimate for 2025-26
A	<u>RECURRING ITEMS</u>	
1	Pay & Allowances	165.38
2	Travelling Allowances	1.00
a	Field activities & programmes	
b	Training programmes	
3	<u>Contingencies</u>	
	<u>Office Contingencies</u>	
a	Stationery, telephone, stamps and other expenditure on office running	4.50
b	POL, repair of vehicles, tractor and equipment including hiring of vehicle	
4	Technical Programmes	
a	Rs.150/- per person per day towards food and refreshments for KVK training programmes for farmers/extension personnel	
b	Teaching materials for training and demonstrations	
c	Training of extension functionaries	
d	Publications of extension literature for farmers and extension functionaries	
e	Honorarium for trainers	
f	On Farm Testing (Problem Oriented)	
g	Front Line Demonstration on major crops including oilseeds & pulses, fodder crops, animal husbandry, fisheries, etc.,	
h	Kisan Meals /Farmers Fair (at KVK farm)	
i	Library (Purchase of newspaper, journals, etc.,)	
j	Maintenance of farm	
k	Value chain management of FPO/Integrated Farming System (IFS)/Farmers Field School(FFS), EDP	
l	Soil Health Card (SHC)	
m	Website/mobile app etc.	
	Total of Contingencies	7.00
n	SCSP Component	5.00
o	TSP Component	5.50

S. No	Particulars	Budget Estimate for 2025-26
	Total of Recurring Items	182.88
B	<u>NON-RECURRING ITEMS:</u>	
a	Works	0.00
b	Vehicle (Jeep/Tractor/2 Wheeler)	0.00
c	Furniture	0.00
d	TSP (creation of physical assets)	3.00
e	SCSP Component (Creation of Physical assets)	3.50
	Total of Non-Recurring Items	6.50
	GRAND TOTAL (A+B)	189.38


Senior Scientist and Head
ICAR-Krishi Vigyan Kendra
Thiruvannamalai

Signature of the Senior Scientist and Head of the KVK

Forwarded

Verified

Approved

[DEE/Chairman]

[Nodal Officer (ATARI)]

[Director (ATARI)]
