ACTION PLAN
(2024-2025)

Presented at

Action Plan Meeting

held at

TNAU, Coimbatore

on

26th & 27th March, 2024

ICAR – KRISHI VIGYAN KENDRA
(Host : Sri Avinashilingam Educational Institutions)
Vivekanandapuram, Karamadai
Coimbatore – 641113

ICAR-Agricultural Technology Application Research Institute (ICAR-ATARI)

ACTION PLAN 2024-25

1. General information about the Krishi Vigyan Kendra

1.1 Name of the KVK	**ICAR - Krishi Vigyan Kendra, Coimbatore**
Address	Vivekanandapuram – 641 113,Karamadai Block, Coimbatore District. TamilNadu.
Phone	Phone : (04254) 297820, 9842441500
e-mail	sakvk.cbe@rediffmail.com, avinashilingamkvk@gmail.com
1.2. Name of host organization	Sri Avinashilingam Educational Trust Institutions
Address	Saradhalaya, Bharathi Park Road, Coimbatore – 641 043. TamilNadu
Phone	(0422) 2440 241
e-mail	avinashilingamtrustoffice@gmail.com
1.3. Year of sanction	1979
1.4. Website of the KVK	www.avinashilingamkvk.org
Date of last update	01.04.2024

1.5. District map with location of the KVK

GPS reading (from Google Maps) of the Entrance of KVK 11.2389423,76.8779039

District	*:*	*Coimbatore*
State	*:*	*TamilNadu*
Latitude	*:*	*11.2389423*
Longitude	*:*	*76.8779039*
Mean Sea Level	*:*	*352 M*

2. Details of staff as on date 1st April 2024

S.No.	*Sanctioned post*	*Name*	*Discipline*	*Date of joining*	*Present pay scale (7 CPC)*
1	Senior Scientist & Head	Dr.P.Kumaravadivelu	Plant Protection	09.11.2012	176500
2	SMS 1	N.Suganthi	Soil Science	02.01.2006	92700
3	SMS 2	P.Gomathi	Home Science	19.11.2007	87400
4	SMS 3	S.Sureshkumar	Agronomy	08.09.2010	80000
5	SMS 4	M.Sagadevan	Horticulture	09.09.2010	80000
6	SMS 5	Vacant	Animal Science	-	-
7	SMS 6	Vacant	Agri. Engg	-	-
8	Programme Assistant/T4-1	D.Ravindran	Comp Science	01.04.1993	68000
9	Farm Manager/T4	V.Muthukumar	Botany	17.07.1988	68000
10	Programme Assistant/T4-2	P Pavithra	Soil Science	01.02.2023	36500
11	Administrative Staff 1 (Assistant)	V.Palaniswamy	Commerce	16.04.2012	49000
12	Administrative Staff 2 (Stenographer Grade III)	E Gopal	Electronic Media	01.02.2023	26300
13	Driver/T1 - 1	L.Premkumar	Nil	01.07.2002	36100
14	Driver/T1 - 2	D.Samuvel Johnson	Nil	04.10.2010	31100
15	Supporting Staff 1	N.Veerasamy	Nil	01.08.2009	28000
16	Supporting Staff 2	P.Pavithra	Nil	28.06.2019	20300

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

Date of SAC meeting Conducted: 43rd Meeting held on 28.03.2024

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

S.No	Member	Recommendations/Suggestions
1.	**Dr.P.P.Murugan,** Director of Extension Education, TNAU, Coimbatore.	❖ KVK should extend their services to all blocks and all category of people in district. ❖ KVK can popularize the TNAU Crop Boosters in different crops. ❖ KVK can start one stop sales center or Advisory center at Coimbatore city.
2.	**Dr. Perumalsamy** Regional Joint Director of AH, Dept of Animal Husbandry, Coimbatore	❖ Popularize Area specific Mineral mixture for livestock. ❖ Nutrient uptake can be studied in fodder crops based on the soil nutrient status.
3.	**Mr. Perumalsamy** Joint Director of Agriculture Coimbatore.	❖ KVK can create more awareness on Pesticide usage and safety measures to the farmers.
4.	**Mrs. Bhuvaneswari** Deputy Director of Horticulture Coimbatore.	❖ Create awareness on Water use efficiency, intercropping in coconut, IPDM in coconut and pollution from coco peat.

5.	**Dr. Rajula Shanthi** Principal Scientist, ICAR – Sugarcane Breeding Institute, Coimbatore.	❖ Conduct more trainings on value added products from Sugarcane. ❖ Create awareness on sugarcane thrash compost.
6.	**Dr. Senthil Kumar** Principal Scientist, ICAR - Centre Institute of Agriculture Engineering, Coimbatore.	❖ KVK can demonstrate onion transplanter and banana fiber extractor ❖ Create awareness on utilization of solar energy in various agricultural practices.
7.	**Dr. Usha Rani** Principal Scientist, ICAR – Central Institute of Cotton Research, Coimbatore.	❖ Create awareness on HDPS cotton (Suraksha and Nano) & ELS cotton (CICR 37 and CICR 45).
8.	**Mr. Jitendhar** Lead Bank Manager, Canara Bank Coimbatore.	❖ KVK can create awareness on KCC and other Government schemes.
9.	**Dr. Arumugam** Prof & Head VU Training Centre, Saravanampatty Coimbatore	❖ Demonstrate mineral mixture, saltlick and mixed fodder bank to livestock farmers. ❖ Encourage farmers to sell fresh milk directly to the consumers. ❖ Facilitate calf rearing trainings Programmes to the farmers.
10.	**Mr. Ramesh,** Sericulture officer, Coimbatore.	❖ KVK can develop Mulberry seedlings to Sericulture farmers.
11.	**Sri. Muthusamy** Chairman, Aranganathar FPO, Karamadai, Coimbatore	❖ KVK can facilitate cold storage facility for Agricultural commodities.
12	**Mr. Thiruvengadam** Chairman, Pasumai FPO, Perumpathy, Kinathukadavu block.	❖ KVK can promote Honey bee trainings to the farmers ❖ Create Awareness on Pest and Disease management in Coconut.
13.	**Mr. Balakrishnan** Progressive farmer, Pathuvampally Village Sulur Block, Coimbatore.	❖ KVK can introduce small Equipment's and tools for crop production. ❖ KVK can demonstrate IPDM practices in banana crop. ❖ KVK can facilitate Marketing and export of Agricultural commodities.

		❖ KVK can organize trainings for offseason fruiting in mango and Guava
14.	**Mr. Ajith** Progressive farmer, RM Pudur Village Anaimalai Block, Coimbatore.	❖ KVK can take steps to control wild animal damage in Agricultural crops.
15.	**Mrs. Lalitha** Progressive farm women Idikarai village, SSKulam Block, Coimbatore.	❖ Create awareness on Medicinal plant cultivation and usage. ❖ KVK can conduct trainings on Organic banana and cotton cultivation and waste recycling.
16.	**Mrs. Vasanthamani** Progressive farm women Koothamandi village, Karamadai Block, Coimbatore.	❖ KVK can create Marketing facility for Agricultural Produces. ❖ Goat rearing trainings can be organized to encourage the livestock farmers.
17.	**Mr. Kaliyappan** Progressive farmer, Allapalayam village Annur Block, Coimbatore.	❖ KVK can create awareness on Mechanization in different Agricultural commodities. ❖ KVK can facilitate Marketing of Agricultural produce to get Minimum support price.
18.	**Mr. Ponrajprabhu** Progressive farmer, Pannimadai village Periyanaickenpalayam Block, Coimbatore.	❖ KVK can provide good quality seeds of fodder crops. ❖ Promote custom hiring center for Agricultural operations. ❖ Value addition and Apiculture trainings for farmers and entrepreneurs may be organized.
19.	**Mrs. Prema Elango** Progressive farm women Thekampatti village Karamadai Block, Coimbatore.	❖ KVK can organize trainings on Water conservation and Water Storage techniques. ❖ Promote food and nutrition trainings for healthy living and wellbeing.
20.	**Mr. Arunachalam** Progressive farmer, Kuppichipalayam village Periyanaickenpalayam Block, Coimbatore.	❖ KVK can conduct training programme on Coconut Value Addition. ❖ To create awareness on Parthenium Management ❖ To facilitate Marketing facilities for Bengal gram and Sorghum crops. ❖ Promote custom hiring centre.
21.	**Mrs. Soundara Jothi** Progressive Organic farmer, Kuppuchipalayam village, Periyanaickenpalayam Block, Coimbatore.	❖ Conduct Training Programme for Banana & Tomato Value addition and Nursery raising techniques. ❖ KVK can create Awareness on Organic Cultivation of Vegetables and market facilitation.
22.	**Mrs. Bindhu gouri,** Entrepreneur, Karamadai block, Coimbatore.	❖ KVK can create Awareness on Millet based Government projects available for Farmers. ❖ KVK can create Millet Cafeteria at prime locations in the city.

Proposed date/month of SAC Meeting to be held in 2024-25: 44th Meeting, last week of Dec 2024

4.0 Capacity Building activities planned for KVK Staff

4.1. Plan of Human Resource Development of KVK personnel during 2024-25

S. No	*Name of the Head/ SMS/Staff*	*Area of Training*	*Institution proposed to attend*	*Duration*	*Dates (dd/mm/yy)*
1	S.Sureshkumar	Recent Technology in Field crop	TNAU, Coimbatore	5 days	25/01/2024
2	M.Sagadevan	Recent production technology	IIHR, Bangalore	5 days	11/09/2024
3	P.Gomathi	Post harvest management of fruits &Vegetables	IICPT Thanjavur	3 days	15/08/2024
4	N.Suganthi	On farm production of bio inputs	NIPHM, Hyderabad	3 days	14/10/2023
5	Animal science	Recent technologies in Livestock	TANUVAS, Namakkal	3 days	12/11/24
6	Agrl Engg	Mechanization	CIAE. Bhobal	5 days	15/12/24
7	P.Pavithra	Soil and water testing	TNAU, Coimbatore	3 days	12/12/24

5. Cross-learning across KVKs planned during 2024-25

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	FPO Activities	Erode	FPO	KVK Erode
2	Demonstration units and FPO activities	Vellore	Maintenance of Demo units	KVK Vellore
3	Demonstration units and FPO activities	Dharmapuri	Maintenance of Demo units	KVK Dharmapuri

6 . Operational areas proposed during 2024-25

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*
Coimbatore/ Periyanaicken palayam	All crops	Lack of knowledge about new fodder variety	-	Pannimadai	OFT, Method demonstration
	Coconut	Lack of knowledge about value added products	-	Pannimadai	FLD, Method demonstration and Training
	Millets	Lack of knowledge on new variety	-	Thumanur	FLD, and Training

	Cotton	Labour problem particularly in peak season	125	Kuppuchipalayam	OFT, Training and Method demonstration
	Fodder	Lack of knowledge on new fodder variety	112	Pannimadai	OFT, Training and Method demonstration
	Bengal gram	Labour problem particularly in peak season	275	Kuppichipalayam	FLDs, Method demonstration and Training
Coimbatore/ Anaimalai	Paddy	Micronutrient deficiency, Poor tillering, Low yield Pest and Disease and labour scarcity	220	Then Sangampalayam and RM pudur	FLD, Training and Field Day
	Goat	Lack of knowledge about controlling of parasite	-	RM Pudur	FLDMethod demonstration and Training
	Blackgram	Micronutrient deficiency, Poor tillering, Low yield Pest and Disease and labour scarcity	150	Then Sangampalayam and RM pudur	FLD, Training and Field Day
Coimbatore/ Karamadai	Ridge gourd	Yield loss due to pest and disease incidence and moderate yield of existing varieties	50	Pallapatti	OFT and Training
	Blackgram	Yield loss due to pest and disease incidence and moderate yield of existing varieties	82	Pulappathi and Periyankombai	FLD Method demonstration and Training
	Moringa	Low yield due to continuous cultivation of old varieties	45	Pallapatti	FLD, Method demonstration ,Training and Field day
	Turmeric	Yield loss due to pest and disease incidence and moderate yield of existing varieties	75	Pallapatti	OFT and Training
	Lab lab	Low yield due to continuous cultivation of old varieties	72	Pallapatti	FLD, Method demonstration ,Training and Field day
	Goat	Poor weight gain	-	Pallapatti	FLD, Method demonstration, Training
	Poultry	Lack of Knowledge about new breed	-	Pallapatti	FLD, Method demonstration, Training
	Nutri garden/Terrac es garden	Lack of Knowledge about importance of Nutrigarden	-	Karamadai	FLD, Method demonstration, Training

Coimbatore/ S.S.Kulam/ Annur	Greengram	Poor soil fertility, micro nutrient deficiency	124	Pasur Allapalayam	OFT Method demonstration and Training
	All crops	Unaware of farm waste recycling	112	Allapalayam Idikarai	FLDs, Method demonstration and Training
	Banana	Lack of Knowledge about new products from fruits	220	Velanapatti	FLDs, Method demonstration and Training
	Cotton	Poor yield Continuous cultivation of old varieties	25	Vellamadai and ASKulam	OFT, Training and Method demonstration
	Bengal gram	Cultivation of old variety, Poor yield, Labour Scarcity	275	Vellamadai	OFT, Training and Method demonstration
Coimbatore/ Sulur	Tomato	Low yield due to Pest and Disease	115	Pathuvampalli	FLD, Training and Method demonstration and Field day
	Banana	Poor soil fertility, micro nutrient deficiency, Pest and Disease incidence and poor yield	650	Pathuvampalli	FFS, Training and Method demonstration and Field day
	Moringa	Micronutrient deficiency, Poor yield Pest and Disease	25	Pathuvampalli	FLD, Training and Field Day
	Tapioca	Poor soil fertility, micro nutrient deficiency, Pest and Disease incidence and poor yield	142	Pathuvampalli	OFT, Training and Method demonstration and Field day
	Cattle	Lack of knowledge about importance of mineral mixture	-	Pathuvampalli	FLD, Training and Method demonstration
	Millets	Lack of knowledge about value addition	-	Pathuvampalli	FLD, Training and Method demonstration
Coimbatore/ Sultanpettai	Maize	Poor soil fertility, sucking pest infestation, and poor yield	138	Poorandampalayam and Vadavalli	FLD, Training and Method demonstration
	Beetroot	Poor soil fertility, , and poor yield	175	Selakkarasal	FLD, Training and Method demonstration
	Bittergourd	Poor soil fertility, micro nutrient deficiency and poor yield	312	Selakkarasal	FLD, Training and Method demonstration and Field day

6.2. Details of adopted villages

District/Taluk/ Block	*Name of cluster villages*	*Major crops & enterprises*	*Major problems identified in each crop / enterprise*	*Proposed type of interventions*
Pollachi North	Perumpathi	Coconut	Kerala wilt incidence	FLD, Training and Method demonstration and Field day
		Amaranthus	Low yield due to continuous cultivation of old varieties	FLD, Training and Method demonstration and Field day
		Chilli	Low yield due poor nutrient management and Pest and disease incidences	FLD, Training and Method demonstration and Field day
		All crops	Unaware of farm waste recycling	FLD, Training and Method demonstration and Field day

6.3. Details of DFI villages

District /Taluk/ Block	*Name of cluster villages*	*Major crops & enterprises*	*Major problems identified in each crop / enterprise*	*Proposed type of interventions*
Coimbatore/ Mathukarai	Myleripalayam	Chilli	Micronutrient deficiency, poor quality of fruits and Poor yield	OFT, Method demonstration and Training
		Brinjal	Low yield and poor quality due to use of old varieties and shoot and fruit borer incidence	OFT, Method demonstration and Training
		Tomato	Micronutrient deficiency, poor quality of fruits and Poor yield	OFT, Method demonstration and Training
Kinathukadavu	Govindapuram	Groundnut	Poor drought tolerance ,low yielding varieties, Pest and diseases incidences	OFT, Training and Field day

7. Summary (targets) of mandated activities planned for the year 2024-25

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)	8
	d. No. of Beneficiaries (No. of Farmers fields)	70
	e. Area (Total area in ha)	18
2.	**Frontline Demonstrations**	
	a. No. of FLDs	24
	b. No. of Locations (No of villages)	14
	c. No. of Beneficiaries (No of Farmers fields)	206
	d. Area (Total Area planned in ha)	100
3.	**Trainings for Farmers and Farm Women**	
	a. No. of programmes	84
	b. No. of participants	1226
4.	**Trainings for Rural Youth**	
	a. No. of programmes	26
	b. No. of participants	437
5.	**Trainings of Extension Personnel**	
	a. No. of programmes	19
	b. No. of participants	325
6.	**Extension Activities**	
	No. of activities (Total number of activities listed in Table ---)	372
	No. of participants	31930
7.	Production of seed (in quintals) (Crop-wise)	3 q
8.	Production of planting materials (in Nos.) (Crop-wise)	85,000
9.	Production of live-stock strains and finger lings (Category wise Nos.)	150
10.	Production of bio inputs (quantity in kg) (Item-wise)	400q
11.	Production of other inputs (specify unit) (Item-wise)	200q
12.	**Kisan mobile advisories**	
	No. of messages	240
	No. of technologies	240
	No. of farmers	36000
	Other mobile advisories	
	No. of messages	60
	No. of technologies	60
	No. of farmers	2000
13.	**Soil testing**	
	No. of soil sample testing using Mobile Soil Testing Kit	100
	No. of soil sample testing in conventional laboratory	900
	Water sample Testing (samples in No.)	50
	Soil Health Cards	
	No. of Cards using Mobile Soil Testing Kit data	1000
	No. of Cards using Laboratory data	1000

8. Technology Assessment proposed during 2024-25

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	Bengalgram	Assessment of high yielding Bengalgram varieties in Coimbatore district	TO 1: NBeG 49 TO 2:NBeG 47 FP:JAKKI :9218	ARS,Nanthiyal, 2019 ARS,Nanthiyal, 2017	Continuing	5	27750	SMS-Agronomy	0	0
2	Groundnut	Assessment of Drought management strategies' for improving yield in Rainfed Groundnut	T0 1:PPFM Seed treatment – Imbibe seed with 1% PPFM solution Foliar application of 1 % PPFM during the critical stages TO 2: Seed treatment with Vithai amirtham @ 11 ml/kg seed Foliar application of 1% KCl during the midseason / lateral drought FP:No practice	TNAU, 2022 TNAU, 2021	New	5	3750	SMS-Agronomy	5	0
3	Cotton	Assessment of different inter cropping in cotton production	TO 1: Intercropping of cotton with pulses like Cowpea, Green gram and black gram.	TNAU, 2022	New	5	7500	SMS-Agronomy	0	0

			TO 2 : Intercropping of cotton with vegetables like Turnip, Radish and Carrot**.** FP:Pure crop	CICR, 2023						
4	Cotton	Assess the performance of management practices for Boll rot in Cotton	TO 1:Adopt optimum spacing. Apply the recommended doses of fertilizers. Spray Copper oxy chloride @1000 g/acre or Carbendazim @ 200 g /acre or Mancozeb @ 800 g / acre TO 2: Avoid late sowing, Adopt wider spacing. Spraying of Carbendazim 50%WP 2gm (or) Propiconazole 25%EC 1ml / litre	TNAU CPG 2023 CICR ,2022	New	5	12500	SMS-Agronomy	0	0
5	Ridge gourd	Assessment of Ridge gourd varieties MDU 1 and Arka Prasan for higher yield	TO 1 : MDU 1 TO 2 : Arka Prasan FP : Private varieties	To 1 : TNAU To 2 : IIHR	New	5	20000	SMS - Horticulture	0	5
6	Chilli	Assessment of Chilli hybrids for	TO 1 : Arka Dhriti TO 2 : CO1	To 1 : IIHR	New	5	12500	SMS - Horticulture	5	0

		yield and market preference	FP : Jothi	To 2 : TNAU						
7	Brinjal	Assessment of Brinjal varieties for yield and market preference	TO 1 : CO 3 TO 2 : VRM (Br) 2 FP : Local cultivar	To 1 : TNAU To 2 : TNAU	New	5	15000	SMS - Horticulture	5	0
8	Turmeric	Assessment of Turmeric Variety BSR 3 and IISR – Prathibha for higher yield	TO 1 : BSR - 3 TO 2 : Prathibha FP : Co-2	TO 1 : TNAU TO 2 : IISR	New	5	30000	SMS - Horticulture	0	5
9	Cassava	Assessing the performance of nutrient management practices in Cassava	TO 1 : STFR + Cassava booster 12.5 kg/ha @ 1,2 and 3 MAP TO 2 : STFR + Cassava special 0.5 % at 2,3 & 4 MAP FP : Application of macro nutrients alone	TO 1 : TNAU TO 2 : CTCRI	New	5	18500	SMS Soil Science	0	5
10	Cotton	Assessing the performance of INM Practices in cotton	TO 1 : : STFR + TNAU technology TO 2 : STFR + CICR technology FP : Application of macro nutrients alone	TO 1 : TNAU TO 2 : CICR	New	5	15000	SMS Soil Science	0	5
11	Tomato	Assessing the performance of different growth	TO 1 : STCR + Foliar application of TNAU Albumix	To 1 : TNAU To 2 : NABIM	New	5	7500	SMS Soil Science	5	0

		enhancers in Tomato	TO 2 : STCR + Foliar application of NBAIM Biogrow FP : Application of macronutrients alone							
12	Farm Mechanization	Assessment of seeder for HDPS in cotton for labour saving under rainfed area of Coimbatore district	TO-1:TNAU Seed cum Fertilizer drill TO-2: Pneumatic seed drill FP : Dibbling of seeds (Manual)	TO-1: - TNAU 2023 TO-2 CIAE 2020	New	5	16000	SMS Agri Engineering	0	0
13	Cattle	Assessment of Cumbu Napier Fodder variety in Coimbatore District	TO-1: Susthira TO-2: CO5 FP : CO4	TO-1: - KAU 2019 TO-2 TNAU 20218	New	5	15000	SMS Animal Science	0	0
14	Cattle	Assessment of Wound Healer in Goat	TO-1: Nano Heal Cream TO-2: Healex: FP : Turmeric Powder & Neem Oil	TO-1: - TRPVB, 2021 TO-2 CIRG, 2015	New	5	15000	SMS Animal Science	0	5
					Total	**70**	**184500**		**30**	**20**

8.2. Details of OFTs (Use one table for each OFT) (TECHNOLOGY WRITEUP)

OFT No.	**01**
Status	Continuing
Subject	**Agronomy**
Theme	Varietal Assessment
Category	Pulses
Crop/ enterprise	Bengalgram
Farming situation	Black cotton soil, Rain fall of 819 mm & PH ranges -7.8 to 8.9
Prioritized problem	Bengalgram is cultivated in an area of 650 ha in SS kulam block block under Rainfed condition in Rabi seasons. Farmers used to cultivate JAKKI varieties by locally available seeds. The farmers facing a problem of poor yield and drought resistance.
Title of the OFT	**Assessment of high yielding Bengalgram varieties in Coimbatore district**
Technology options	
TO-1	**Bengalgram variety NBeG 49**
Source and year	**(ARS Nanthyal) 2019**
Description	Duration : 100-105 days,Yield: Rain fed : 16.5 q/Ha., suitable for Tolerance to fusarium wilt.
Potential yield/income	16.5 q/ha. and Rs.87,750
Critical Inputs	Seed-100 kgs *Bacillus subtilis*– 5 kg, Pulse wonder – 10kgs (13,625.00)
Source of Inputs	KVK, Pendakkanthee
Photos	
TO-2	**Bengalgram variety NBeG 47**
Source and year	**(ARS Nanthyal) 2017**
Description	Duration : 90-105 days,Yield: Rain fed : 16.5 q/Ha.,suitable for mechanical harvesting and Tolerance to fusarium wilt.
Potential yield/income	17.5q/ kgs Rs.92,500

Critical inputs & quantity and cost	Seed-100 kgs, *Bacillus subtilis*– 5 kg, Pulse wonder – 10kgs (13,625.00)
Source of Inputs	KVK, Pendakkanthee
Photos	
Farmers Practice	**JAKKI 9218**
Farmers yield	10.2q/ha
Season	Rabi 2024
Cost per replication (Rs.)	5,450.00
No. of replications	5
Total cost for the OFT	27,250.00
Parameters to be studied	No. of pods per plant , Yield(kg/ha), Incidence of pests and diseases(%), BCR
Parameters to be reported	Yield (Q/ha) and BC Ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS Agronomy

OFT No.	**02**
Status	New proposal
Subject	**Agronomy**
Theme	Drought Management
Category	Oilseeds

Crop/ enterprise	Groundnut
Farming situation	Rain fed, Red loamy Soil, Rain fall of 820 mm & PH ranges -7.4to 8.6
Prioritized problem	Groundnut is cultivated in an area of 530 ha in Kinathukadavu block under Rainfed condition in both kharif and Rabi seasons. Farmers used to cultivate local varieties by purchase of locally available seeds. The farmers facing a problem of poor yield and drought resistance.
Title of the OFT	Assessment of Drought management strategies' for improving yield in Rainfed Groundnut
Technology options	
TO-1	**PPFM** **Seed treatment – Imbibe seed with 1% PPFM solution** **Foliar application of 1 % PPFM during the critical stages**
Source and year	**TNAU, 2022**
Description	hyllosphere harbours large, complex and dynamic communities of microorganisms, where bacteria constitute the dominant microbial inhabitants. It forms a significant microbial habitat that supports organisms of diverse nutritional and physiological requirements
Potential yield/income	17.8q/ha. 52,000
Critical Inputs	Seed treatment –1% PPFM solution Foliar application of 1 % PPFM (5 lit.)-Rs.2,250
Source of Inputs	TNAU
Photos	 
TO-2	Seed treatment with Vithai amirtham @ 11 ml/kg seed Foliar application of 1% KCl during the midseason / lateral drought
Source and year	**TNAU, 2021**

Description	Duration : 112 days, Yield: Rain fed : 30.0q/Ha. Irrigated : 35.0 q/Ha, Oil content: 51.00,Shelling Percentage : 70%,100 Kernel weight : 40.0 gm, Bunchy type, Multiple resistant for drought, pest and disease
Potential yield/income	18.5 q/ kgs Rs.56,500
Critical inputs & quantity and cost	Vithai Amirtham – 5 lt. and KCL (Rs.1,500)
Source of Inputs	**TNAU**
Photos	 
Farmers Practice	NO practice
Farmers yield	-
Season	Kharif '24
Cost per replication (Rs.)	750.00
No. of replications	5
Total cost for the OFT	3,750.00
Parameters to be studied	Plant population, pod yield and BC Ratio
Parameters to be reported	Yield (Q/ha) and BC Ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS Agronomy

OFT No.	**03**
Status	New
Subject,	**Agronomy**
Theme	Different cropping system

Category	Commercial crop
Crop/ enterprise	Cotton
Farming situation	Black cotton soil, Mostly cultivated in Rainfed areas and PH ranges from 6.5 – 8.0
Prioritized problem	Cotton is being cultivated as pure crop in 65 Ha area of the cluster. The farmers un aware of suitable inter crop in cotton eco system.Less production and low return in pure crop.
Title of the OFT	**Assessment of different intercropping in cotton production**
Technology options	
TO-1	Interropping of cotton with Pulses like Cowpea, Green gram & Black gram
Source and year	TNAU, 2022
Description	Inter cropping with pulses helps to reduce populations of insect pests by attracting natural enemies and typically produces stable yields and high profits.It improves soil fertility.
Potential yield/income	14.5 q/ha. and Rs.97,750
Critical Inputs	Seeds of Pulses
Source of Inputs	TNAU
Photos	 
TO-2	Intercropping of cotton with Vegetables like Turnip, Raddish & Carrot
Source and year	CICR, 2023
Description	Inter cropping with vegetables in between cotton crop row increase farmers income and profitability.
Potential yield/income	13.5q/ Ha. Rs.92,500
Critical inputs & quantity and cost	Seeds of vegetables
Source of Inputs	TNAU

Photos	
Farmers Practice	Cotton as a pure crop
Farmers yield	11.1 q/ha
Season	Kharif 2024
Cost per replication (Rs.)	1500.00
No. of replications	5
Total cost for the OFT	7,500.00
Parameters to be studied	Plant height, No of Sympodial branches, No of bolls per plant, Yield(kg/ha) & BCR
Parameters to be reported	Yield (Q/ha) and BC Ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS Agronomy

OFT No.	**04**
Status	New
Subject	Agronomy
Theme	Disease Management
Category	Fiber crop
Crop/ enterprise	Cotton
Farming situation	Black cotton soil, Mostly cultivated in Rainfed areas and PH ranges from 6.5 – 8.0
Prioritized problem	Cotton is cultivate in an are of 150 ha in Coimbatore district.In high dencity planting syste the boll rot incidence is noticed up to 15-20 %.This reflected yield loss upto 45%

Title of the OFT	Assess the Performance of management practices for Boll rot in cotton
Technology options	
TO-1	Adopt optimum spacing. Apply recommended dose of fertilizers. Spray Copper oxy chloride @ 1000g/ acre or Carbendazim @ 200 g/ acre or Mancozeb @ 800 g / acre
Source and year	TNAU CPG 2020.
Description	Adoption of optimal spacing in combination of fungicidal application reduces the incidence.
Potential yield/income	14.2 q/ha. and Rs.89,750
Critical Inputs	Copper oxy chloride, Carbendazim, Mancozeb.
Source of Inputs	TNAU
Photos	 
TO-2	Avoid late sowing Adopt wider spacing. Spraying of Carbendazim 50%WP 2gm (or) Propiconazole 25%EC 1ml / litre
Source and year	ICAR, CICR 2022
Description	Late sowing increases boll rot incidence. Foliar application of Propiconazole @1 ml /litre of water during 120 DAS and 150 DAS reduces the incidence.
Potential yield/income	14.5q/ kgs Rs.90,500
Critical inputs & quantity and cost	Carbendazim-250 G, Propiconazole -500ML
Source of Inputs	Private companies

Photos	 
Farmers Practice	Spraying of fungicides
Farmers yield	15 q/ha
Season	Rabi 2024
Cost per replication (Rs.)	2,500
No. of replications	5
Total cost for the OFT	12,500
Parameters to be studied	Disease reduction percentage, Yield (kg / ha) and BCR
Parameters to be reported	Yield (Q / ha) and BC Ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS Agronomy

OFT No.	05
Status	New proposal
Subject,	**Horticulture**
Theme	Varietal evaluation
Category	Vegetables
Crop/ enterprise	Ridge gourd
Farming situation	Western zone, Red soil, Rain fall of 645 mm & PH ranges between 7.4 to 8.5
Prioritized problem	Yield loss (42 %) due to pest and disease incidence and moderate yield of existing varieties
Title of the OFT	Assessment of Ridge gourd varieties MDU 1 and Arka Prasan for higher yield
Technology options	
TO-1	MDU 1
Source and year	TNAU and 2023
Description	Earliness in flowering female flowers will be occurred during 32 days after sowing. Duration : 140 -150 days. Medium sized fruits (29-30 cm length) with soft pulp. Field tolerant to fruit fly.
Potential yield/income	Potential yield of 18.75 t/ha.
Critical Inputs	MDU 1 seeds – 2.5 kg. 2. IIHR vegetable special – 2 kg. 3. Fruit fly trap- 1 nos
Source of Inputs	TNAU
Photos	
TO-2	Arka Prasan
Source and year	IIHR and 2016
Description	Early variety (42-45 days for first picking). Duration : 120-135 days. long size fruits.
Potential yield/income	Potential yield of 26 t/ha
Critical inputs & quantity and cost	Arka Prasan seeds – 2.5 kg. 2. IIHR vegetable special – 2 kg. 3. Fruit fly trap- 1 nos
Source of Inputs	IIHR

Photos	
Farmers Practice	Private varieties
Farmers yield	Potential yield of 10-12 t/ha
Season	Kharif 2024
Cost per replication (Rs.)	Rs.4000/-
No. of replications	5
Total cost for the OFT	Rs.20,000.00
Parameters to be studied	1. No. of pickings 2. Leaf spot incidence/m2 3. No. of fruit fly attacks/m2
Parameters to be reported	Yield (Q/ha) and BC Ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	SCSP
Team members	SMS (Horticulture)

OFT No.	06
Status	New proposal
Subject,	**Horticulture**
Theme	Varietal evaluation
Category	Vegetables
Crop/ enterprise	Chilli
Farming situation	Western zone, Red soil, Rain fall of 645 mm & PH ranges between 7.1 to 8.4
Prioritized problem	Heavy flower drop and poor fruit set leads Poor yield due to use of old hybrids. Powdery mildew, RKN (root knot nematodes) and ChLCV incidence
Title of the OFT	Assessment of Chilli hybrids for yield and market preference
Technology options	
TO-1	Arka Dhriti
Source and year	IIHR and 2024
Description	Suitable for dual medium segment and Dry fruits are wrinkled and Resistant to Phytophthera root rot & Chilli leaf curl virus.

Potential yield/income	Potential yield of 25 tonnes/ha fresh weight and 7 tonnes/ha dry weight..
Critical Inputs	1. Arka Dhriti seeds – 50 g. 2. IIHR vegetable special – 1 kg 3. VAM- 2.5 kgs
Source of Inputs	IIHR
Photos	
TO-2	CO - 1
Source and year	TNAU and 2010
Description	Moderately resistant to fruit rot disease and Capsaicin and oleoresin contents of 0.58 % and 14.0 % respectively
Potential yield/income	Potential yield of 24 tonnes/ha fresh weight and 6.74 tonnes/ha dry weight.
Critical inputs & quantity and cost	1. Co-1 seeds – 50 g. 2. IIHR vegetable special – 1 kg 3. VAM- 2.5 kgs
Source of Inputs	TNAU
Photos	
Farmers Practice	Jothi
Farmers yield	Potential yield of 10 -23 t/ha
Season	Kharif 2024
Cost per replication (Rs.)	Rs.2500/-
No. of replications	5
Total cost for the OFT	Rs.12,500.00
Parameters to be studied	1. No. of pickings /plant 2. Powdery mildew incidence 3. ChLCV incidence
Parameters to be reported	Yield (Q/ha) and BC Ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK-Main
Team members	SMS (Horticulture)

OFT No.	07
Status	New proposal
Subject,	**Horticulture**
Theme	Varietal evaluation
Category	Vegetables
Crop/ enterprise	Brinjal
Farming situation	Western zone, Red soil, Rain fall of 645 mm & PH ranges between 7.4 to 8.5
Prioritized problem	Low yield and poor quality due to use of old varieties and shoot and fruit borer incidence
Title of the OFT	Assessment of Brinjal varieties for yield and market preference
Technology options	
TO-1	Co-3
Source and year	TNAU and 2024
Description	Fruits are Long, light purple with white stripes.Duration :140-150 days Moderately resistant to shoot & fruit borer
Potential yield/income	Potential yield of 48.5 t/ha.
Critical Inputs	1. Seeds- Co-3 – 50g 2. Arka vegetable special- 1 kg 3 . *T. chilonis* – 5 cc 4. *Bacillus thurinjiensis* - 1 kg
Source of Inputs	TNAU
Photos	
TO-2	VRM (Br) 2
Source and year	ARS, Vrinjipuram, TNAU - 2021
Description	Fruits are Oval, deep purple color fruits, Duration :150 days Spineless characteristic makes amenable for long transportation.
Potential yield/income	Potential yield of 52.5 t/ha

Critical inputs & quantity and cost	1. Seeds-VRM (Br) – 50g 2. Arka vegetable special- 1 kg 3 .*T. chilonis* – 5 cc 4. *Bacillus thurinjiensis* - 1 kg
Source of Inputs	TNAU
Photos	
Farmers Practice	Local cultivar
Farmers yield	Potential yield of 30 t/ha
Season	Kharif 2024
Cost per replication (Rs.)	Rs.3000/-
No. of replications	5
Total cost for the OFT	Rs.15000.00
Parameters to be studied	1.No. of pickings 2. Dry rot incidence/m^2 3. No. of shoot & fruit borer attacks/m^2
Parameters to be reported	Yield (Q/ha) and BC Ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK-Main
Team members	SMS (Horticulture)

OFT No.	08
Status	New proposal
Subject,	**Horticulture**
Theme	Varietal evaluation
Category	Spices
Crop/ enterprise	Turmeric
Farming situation	Western zone, Red soil, Rain fall of 645 mm & PH ranges between 7.4 to 8.5
Prioritized problem	Yield loss (35 %) due to pest and disease incidence and moderate yield of existing varieties

Title of the OFT	Assessment of Turmeric Variety BSR 3 and IISR – Prathibha for higher yield
Technology options	
TO-1	BSR - 3
Source and year	TNAU and 2023
Description	Selection from Baguthampalayam local, Medium duration - 240 to 250 days , Potential yield is 45.88 t/ha with 20% dry recovery Curcumin content is 4.38 % . Moderately resistant to leaf spot, leaf blotch, rhizome rot incidences,Thrips and shoot borer infestations.
Potential yield/income	Potential yield of 45.88 t/ha.
Critical Inputs	1.BSR seed Rhizome – 50 kgs 2. IIHR micronutrient - 1 kg 3. *Baccilus Subtilis* - 1 kg 4. *T. viride* - 1 kg 5. *Pochania chylmabasporia* - 1 kg
Source of Inputs	IIHR
Photos	
TO-2	IISR – Prathibha
Source and year	IISR and 2016
Description	Prathibha turmeric stimulates immunity. Relatively higher levels of curcumin (6.25%), oleoresin (16.2%) and essential oil (6.2%) make Prathibha a hottest choice for Culinary and medicinal purposes.
Potential yield/income	Potential yield of 43 t/ha
Critical inputs & quantity and cost	1.Prathibha seed Rhizome – 50 kgs 2. IIHR micronutrient - 1 kg 3. *Baccilus Subtilis* - 1 kg 4. *T. viride* - 1 kg 5. *Pochania chylmabasporia* - 1 kg
Source of Inputs	IISR
Photos	
Farmers Practice	CO-2
Farmers yield	Potential yield of 30 t/ha
Season	Kharif 2024
Cost per replication (Rs.)	Rs. 6000/-

No. of replications	5
Total cost for the OFT	Rs.30000.00
Parameters to be studied	1. No. of shoot borer attacks/m^2 2. Leaf spot incidence/m^2
Parameters to be reported	Yield (Q/ha) and BC Ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	SCSP
Team members	SMS (Horticulture)

OFT No.	**09**
Status	New proposal
Subject,	**Soil Science**
Theme	Crop production and Management
Category	Vegetables
Crop/ enterprise	Cassava
Farming situation	Limited Irrigation, Red loamy Soil, Rain fall of 645 mm & PH ranges -8.1 to 8.5
Prioritized problem	Cassava is cultivated in an area of 182 ha in Sulur block under Limited iriigation condition in kharif season. The major problems are poor nutrient management, micronutrient deficiency and poor yield
Title of the OFT	**Assessing the performance of nutrient management practices in Cassava**
Technology options	
TO-1	STCR with TNAU Nutrient management practices
Source and year	TNAU -2020
Description	STFR , Application of FYM 25 t/ha + 45:90:120 kg NPK/ha as basal and 45:120 kg NK/ha on 90 DAP + Application of Biofertilizers + Cassava booster 12.5 kg/ha @ 1,2 and 3 MAP

Potential yield/income	38 T/Ha , Rs.1,25,000/-
Critical inputs & quantity and cost	Azospirillum - 5 Kg - 500/- PSB - 5 Kg - 500/- TNAU Cassava boosteer 15 kg - 7500/- Total – 8500/-
Source of Inputs	TNAU, Coimbatore
Photos	 
TO-2	STCR with CTCRI Nutrient management practices
Source and year	CTCRI 2020
Description	STCR , Application of FYM 12.5t +Apply NPK, FeSO4, ZnSO4 @ 97:13.5:155:25:10 kg/ha along Azospirillum + Phosphobacteria + potash solubilising bacteria 2 kg/ha bio fertilizers application basal and 3 MAP •Cassava special 0.5 % at 2,3 & 4 MAP
Potential yield/income	36.5 T/Ha, Rs.1,25,000/-
Critical inputs & quantity and cost	Azospirillum - 5 Kg - 500/- PSB - 5 Kg - 500/- Potash bacteria – 5 kg -500/- CTCRI Cassava special 15 kg - 8500/- Total – 10000/-
Source of Inputs	TNAU ,Coimbatore
Photos	
Farmers Practice	Soil application of macro nutrients alone
Farmers yield	30.5 T /Ha
Season	Kharif ,2024
Cost per replication (Rs.)	3700/-
No. of replications	5

Total cost for the OFT	Rs. 18,500/-
Parameters to be studied	No of tubers per plant, Tuber yield and BC ratio
Parameters to be reported	No of tubers per plant, Tuber yield and BC ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS Soil Science

OFT No.	**10**
Status	New proposal
Subject,	Soil Science
Theme	Crop production and Management
Category	Fiber crops
Crop/ enterprise	Cotton
Farming situation	Irrigated, Red loamy Soil, Rain fall of 620 mm & PH ranges -8.1 to 8.5
Prioritized problem	Cotton is cultivated in an area of 112 Ha in S.S.Kulam block under rainfed condition in Rabi season. The major problems are poor nutrient management and poor yield,
Title of the OFT	Assessing the performance of INM Practices in cotton
Technology options	
TO-1	STFR + CICR Practices
Source and year	CICR, 2023
Description	STFR + • Soil test based fertilizer application, • Seed treatment with TNAU Vithai amirtham @11ml/kg. • Application of Azophos @2.5kg/ha as basal, • Application of TNAU MN mixture @15kg/ha. with enriched FYM (1:10} as basal, • Foliar spraying of TNAU Cotton plus @2.5kg/acre twice during flowering and boll formation stage • Foliar spraying of PPFM @200ml/acre on 30, 45, 60 and 90 DAS
Potential yield/income	42 q/ Ha, 2,50,000/-
Critical inputs & quantity and cost	Azophos – Rs. 500/- TNAU MN mixture – Rs. 3000/- TNAU Cotton plus – Rs. 3750/- Total - Rs. 7250/-

Source of Inputs	TNAU, Coimbatore
Photos	 
TO-2	STFR + TNAU Practices
Source and year	TNAU, 2021
Description	• Soil test based fertilizer application, • Seed treatment with Azhopos @1200 g/ha. • Soil application of MN mixture formulated by Dept. Of Agriculture, TN @12.5kg/ha. with 50 kg of sand as basal, • Foliar spraying of Foliar spraying of 2 % DAP + 1 % KCL and multi K to improve kapas yield • Need based foliar spray of 2% MgSO4 + 1% urea during boll formation stage
Potential yield/income	42 q/ Ha, 2,50,000/-
Critical inputs & quantity and cost	Azophos – Rs. 500/- TNAU MN mixture – Rs. 4000/- DAP – Rs. 1250/- KCL– Rs. 1000/- MgSo4 – Rs. 1000/-
	Total - Rs. 7250/-
Photos	   W
Farmers Practice	Soil application of macro nutrients alone
Farmers yield	36 q/ Ha, 2,50,000/-
Season	Rabi, 2024
Cost per replication (Rs.)	3000/-
No. of replications	5
Total cost for the OFT	15000/-
Parameters to be studied	No of kapas/ plant, yield / plant, Yield /ha and BC ratio
Parameters to be reported	Yield /ha and BC ratio

Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS Soil Science

OFT No.	**11**
Status	New proposal
Subject,	Soil Science
Theme	Crop production and Management
Category	Vegetables
Tomato	Tomato
Farming situation	Irrigated, Red loamy Soil, Rain fall of 715 mm & PH ranges -7.6 to 8.2
Prioritized problem	Tomato is cultivated in an area of 228 ha in Madukkarai block under Irrigated condition in kharif seasons. The major problems are Poor soil fertility, Soil borne pests and poor yield,
Title of the OFT	Assessing the performance of different growth enhancers in Tomato
Technology options	
TO-1	TNAU Bio Albumix
Source and year	TNAU 2020
Description	TNAU Bio Albumix-Foliar application 20 ml / ten liter of water/ acre at the flowering stage
Potential yield/income	92 t / Ha , 1,86,000/-
Critical inputs & quantity and cost	Bio Albumix – Rs.3000/-
Source of Inputs	TNAU, Coimbatore
Photos	
TO-2	NBAIM Biogrow
Source and year	NBAIM, 2018
Description	NBAIM Biogrow -Foliar application of 100 ml / ten liter of water / acre at the flowering stage
Potential yield/income	92 t / Ha , 1,86,000/-
Critical inputs & quantity and cost	NBAIM Biogrow – Rs.4500/-
Source of Inputs	NBAIM, Uttarpradesh

Photos	
Farmers Practice	Soil application of macro nutrients alone
Farmers yield	87 t / Ha, 82,000/-
Season	Kharif ,2023
Cost per replication (Rs.)	1500/-
No. of replications	5
Total cost for the OFT	7500/-
Parameters to be studied	No. of pickings, No of fruits/plant, Fruit Yield (t/ha), B:C ratio
Parameters to be reported	Fruit yield and BC Ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS Soil Science

OFT No.	**12**
Status	New proposal
Subject,	Agricultural Engineering
Theme	Mechanization
Category	Cash crop
Crop/ enterprise	Cotton
Farming situation	Black soil and loam Rain fall of 850-1000 mm & PH ranges -7.4 to 8.2
Prioritized problem	Labour shortage and high labour cost for sowing
Title of the OFT	**Assessment of seeder for HDPS in cotton for labour saving under rainfed area of Coimbatore district**
Technology options	
TO-1	TNAU Seed cum Fertilizer drill
Source and year	TNAU 2023
Description	Fertilizers are placed at a depth of 5 cm and 5 cm away from seed rows for effective utilization of fertilizers. Both operations *viz*. seed drilling and fertilizers application are done simultaneously by using seed-cum-ferti drill. It is similar to seed drill, but with extra tynes and hopper for drilling fertilizers.

Potential yield/income	Field capacity : 3.2ha/day.
Critical Inputs	Hiring cost
Photos	 
TO-2	**Pneumatic seed drill**
Source and year	CIAE 2020
Description	Pneumatic seed drill used for planting various type of crops like cotton, groundnut, pigeon pea, soybean, green gram, black gram, maize etc. Multi seeds (hill dropping) can be planted at specific distance.
Potential yield/income	Field capacity :0.3-0.7 ha/hr
Critical inputs & quantity and cost	Hiring cost
Photos	 
Farmers Practice	**Dibbling of seeds (Manual)**
Farmers yield	Field capacity:1acre/day
Season	Rabi 2024

Cost per replication (Rs.)	3200
No. of replications	5
Total cost for the OFT	16000
Parameters to be studied	Operational cost and BC ratio
Parameters to be reported	Labour cost saving
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS Agricultural Engineering

OFT No.	**13**
Status (New proposal/2nd year /3rd year)	New proposal
Subject,	Animal Science
Theme	Performance evaluation
Category (if applicable)	Fodder
Crop/ enterprise	Cattle
Farming situation	-
Prioritized problem (short)	Increased Fodder Shortage during lean season Poor Milk quality due to shortage of green fodder
Title of the OFT	**Assessment of Cumbu Napier Fodder variety in Coimbatore District**
Technology options	
TO-1	Susthira
Source and year	KAU, 2019
Description (short)	
Potential yield/income	-
Critical Inputs	Susthira Setts and field board
Photos	

	
TO-2	CO5
Source and year	TNAU, 2018
Description (short)	Higher green fodder yield and dry matter yield, Broader leaves and succulent stems, Quick regeneration capacity
Potential yield/income	360 - 400 t/ha/yr (7 harvests) -
Critical inputs	CO5 Setts and field board
Photos	
Farmers Practice	C04
Farmers yield	-
Season	-
Cost per replication	Rs.3000
No. of replications	5
Total cost for the OFT	Rs.15000
Parameters to be studied	Milk Yield, Palatability, Milk Quality, BCR
Parameters to be reported	Milk Yield, Palatability, Milk Quality, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK -Main
Team members	SMS Animal Science

OFT No.	**14**
Status (New proposal/2nd year /3rd year)	New proposal
Subject,	Animal Science
Theme	Performance evaluation
Category (if applicable)	Disease management
Crop/ enterprise	Small Ruminants
Farming situation	-
Prioritized problem (short)	Increased expenditure for veterinary interventions and drugs
Title of the OFT	**Assessment of Wound Healer in Goat**
Technology options	
TO-1	Nano Heal Cream
Source and year	TRPVB, 2021
Description (short)	It is an anti-microbial wound healing cream for animals
Potential yield/income	-
Critical Inputs	Nano Heal Cream
Photos	 
TO-2	Healex-FR
Source and year	CIRG, 2015
Description (short)	Healex Spray helps to treat and prevent minor skin infection. It is also used to treat minor burns and to prevent infection in cuts, insect bites, wounds. Applying Healex Plus Spray can give you temporary relief from pain associated with the above conditions
Potential yield/income	-
Critical inputs	Healex-FR

Photos	
Farmers Practice	Turmeric Powder & Neem Oil
Farmers yield	-
Season	-
Cost per replication	Rs 3000
No. of replications	5
Total cost for the OFT	Rs.15000
Parameters to be studied	Body weight Gain, Wound Healing Time (in Days),
Parameters to be reported	Body weight Gain, Wound Healing Time (in Days), BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	SCSP
Team members	SMS Animal Science

9. Frontline Demonstrations proposed during 2024-25

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	Paddy	Demonstration of paddy variety Co 55	Majority of area is canal irrigation. Majority of the farmers are cultivating the variety Co 43 which is susceptible to water stress, pest and disease incidence.	Paddy seed 25 kgs,Bio fertilizer - 10 kgsZnSo4 – 6 kgs and Tricho cards-10 cc each	TNAU, 2019	New	10	4	17000	SMS Agronomy & SS&H	0	10
2.	Maize	Demonstration of paddy variety Co H(M) 11	Low yield ,pest and disease incidence	1.Seed 2.Maize maxim	TNAU 2023	New	10	4	24000	SMS Agronomy	0	0
3	Finger Millet	Demonstration of Tenai ATL 1 for yield and income potential	Farmers are cultivating local cultivar with conventional method of cultivations leads low yield.	1.Seed, 2.*Bacillus subtillis*	TNAU, 2020	New	10	4	12500	SMS Agronomy	0	10

4	Blackgram	Demonstration of Black gram variety ADT 7	Farmers are ultivating old varieties,Susetable for pest and Disease leads to low yield and profitability.	1.Seed 2.Bacillus subtilis 3.Rhizobium 4.Pulsewonder	TNAU, 2023	New	10	4	14900	SMS Agronomy	0	10
5	Lab lab	Demonstration of Bush type Lablab CO 16	Low yield ,pest and disease incidence	1.Demonstration of High yielding varieties co-16 2.Foliar spray of IIHRmicronutrient	TNAU 2023	OFT converted to FLD	10	4	15000	SMS (Horticulture)	0	10
6	Tomato	Demonstration of Tomato hybrid Co-4	Low yield ,pest and disease incidence	1.Demonstration of High yielding Hybrid CO-4 2.Foliar spray of IIHR micronutrient	TNAU 2020	OFT converted to FLD	10	4	20000	SMS (Horticulture)	0	0
7	Amaranthus	Demonstration of Red Amaranthus CO 6	Low yield ,pest and disease incidence	1.Demonstration of High yielding varieties CO-6 2.Foliar spray of IIHRmicronutrient	TNAU 2023	New	10	4	5000	SMS (Horticulture)	0	0
8	Moringa	Demonstration of Perennial Moringa PKM-3	Low yield ,pest and disease incidence	1.Demonstration of High yielding varieties PKM-3 2. soil application of VAM for drought management	TNAU 2020	New	10	4	25000	SMS (Horticulture)	0	10

				3.Foliar spray of IIHR micronutrient								
9	Coconut	Demonstration of TNAU Cococon for the management of Coconut root wilt disease	Wilt incidence due to Nutrient deficiency, Poor Soil amendments leads low yield.	1.Demonstration of Cococon for wilt management	TNAU 2024	New	10	4	23000	SS&H (Plant Protection) & SMS (Horticulture)	0	0
10	Green gram	Demonstration of TNAU Pulse wonder in greengram	Micronutrient deficiency and poor yield	1.Demonstration of pulse wonder 2.Demonstration of bio fertilizers	TNAU, Coimbatore , 2017	New	10	4	12000	SMS (Soil Science)	0	0
11	Beetroot	ICM in Beetroot	Low yield due to nutrition deficiency, Lack of awareness about biofertilizers and bio agents, Yield loss due to sucking pest incidences	1. Soil test based fertilizer recommendation 2. Soil application of bio fertilizers (1kg / ac) and bio agents (1kg / ac) 3. Foliar spraying of IIHR special vegetable special @ 5 g/ l at 15 days interval. 4. Soil application of micronutrients (10kg / ac) 5. Need based pest and disease Management	TNAU, Coimbatore , 2017	New	10	4	18500	SMS (Soil Science)	0	0
12	Bitter gourd	ICM in Bitter gourd	Low yield due to nutrition	1. Soil test based fertilizer recommendation	TNAU, Coimba	New	10	4	24800	SMS	0	0

			deficiency, Lack of awareness about biofertilizers and bio agents, Yield loss due to sucking pest incidences	2. Soil application of bio fertilizers (1kg / ac) and bio agents (1kg / ac) 3. Soil application of microutrients (10kg / ac) 4. Foliar spraying of IIHR special vegetable special @ 5 g/ l at 15 days interval. 5.Erection of yellow sticky and pheromone traps 6.Need based pest and disease Management	tore , 2017				(Soil Science)		
13	Chilli	Demonstration of Organic farming in Chilli	Unaware of new technologies in organic farming	1.Soil application of bio fertilizers and bio agents 2.Preparation and application of organic nutrients (, Poochi virati, Panchakavya, Meen amilam) 3.Erection of yellow sticky and pheromone traps 4.Need based pest and disease Management	TNAU, Coimbatore , 2022	New	5	2	13750	SMS (Soil Science)	0	0

14	Farm waste recycling	Demonstration of vermicomposting technology using bio mineralizer	Unaware of composting technologies	1.Decomposition using bio mineralizer 2.Vermicomposting using earthworms	TNAU, Coimbatore , 2021	New	10	4	29000	SMS (Soil Science)	0	0
15	Farm Mechanization	Demonstration of Shredder cum Pulverizer	Labour scarcity in peak season	Shredding all kinds of Agricultural wastes (Both wet and dry waste) for easy decomposition	TNAU 2019	New	4	2	8000	SMS Agrl.Engg Agronomy	0	10
16	Farm Mechanization	Demonstration of Multi Tree Climber	Labour scarcity in peak season	Demonstration of Multi tree climbing machine	NIF-2019, Gujarat	New	2	2	20000	SMS Agrl.Engg Agronomy	0	10
17	Farm Mechanization	Demonstration of Tractor operated seed drill in Rain fed Bengal gram production	Labour scarcity in peak season	Mechanized sowing by tractor	ANGRAU 2018	2nd year	5	2	14000	SMS Agrl.Engg Agronomy	10	0
18	Poultry	Introduction and Demonstration of TANUVAS Aseel	Rearing of only desi birds	-TANUVAS Aseel chicken is a low input technology best suited for commercial, rearing, small medium farmers etc.	TANUVAS, 2021	New	10	20	20000	SMS Animal Science	0	10

19	Dairy cattle	Demonstration of Nanomethicone spray in cattle	-Lack of awareness about scientific method of controlling parasites	The nanometicone spray is toxic less spray used for ecto parasiticide infestation in small ruminants.	TRPVB 2020	New	10	10	10000	SMS Animal Science	0	10
20	Dairy cattle	Demonstration of TANUVAS - SMART mineral mixture on production performance of Cow	Lack of awareness about mineral mixture	Demonstration of TANUVAS - SMART mineral mixture	TANUVAS 2018	2nd year	10	10	10000	SMS Animal Science	0	0
21	Vegetables	Demonstration of Nutri Garden	Lack of knowledge about Nutri Garden	Demonstration of Nutri Garden	TNAU 2012	2nd year	10	-	20000	SMS Home Science	0	0
22	Coconut	Demonstration of coconut-based value-added products (FLD through EDP mode)	Poor market infrastructure and fluctuated market price Involvement of middleman in marketing	Value addition, Product developments Branding and, Labeling	CSCRI TNAU 2018	2nd year	10	-	20000	SMS Home Science	0	0
23	Banana	Demonstration of Fruit based valued added products (FLD through EDP mode)	Lack of Knowledge about nutrient dense products	Value addition, Product developments Branding and, Labeling	CSCRI TNAU 2021	New	10	-	20000	SMS Home Science	0	0
						Total	**206**	**100**	**396450**	**-**	**10**	**70**

9.2. Details of FLDs (Use one table per FLD) (TECHNOLOGY WRITEUP) 2024-25

Furnish existing/continuing FLDs first followed by newly proposed FLDs

FLD No.:	**01**
Status (New proposal/2nd year /3rd year)	New
Subject	Agronomy
Category:	Varietal Demonstration
Crop/ enterprise:	Cereals – Paddy
Farming situation	Canal irrigated, upland, sandy loam
Prioritized problem:	Paddy is cultivated in about 872 ha of land in the district in which about 870 ha is canal irrigation. Majority of the farmers are cultivating the variety Co 43 which is susceptible to water stress, pest and disease incidence.
Title	**Demonstration of Paddy variety Co 55 with ICM**
Technology to be demonstrated:	Seed – Co 55
Hybrid or Variety:	Variety
Source of Technology:	TNAU ,Coimbatore (2022)
Description	Duration – 110 – 115 days,Season –Kuruvai/Sornavari/Navarai,White medium slender rice with high milling(70%) and head rice recovery (65.0%)
Potential yield	65.3q/ha
Critical input, quantity and cost	Paddy seed, *Bacillus subtilis*, ZnSo4 and Tricho cards
Farmers practice	Co 43
Source of input	TNAU, Coimbatore
Photos	 
Average farmers yield	58.5 q/ha
Season	*Kharif* 2023

No. of Demos (replications)	10
Total cost for the Demo	Rs.17,000.00
Parameters to be studied:	Gain yield (q/ha), Straw yield (q/ha), Pest and disease incidences and BCR
Parameters to be reported	Grain yield (q/ha)and BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	SCSP
Team members	SMS (Agronomy)
FLD No.:2	**Demonstration of TNAU Maize Hybrid COH (M) 11 for yield and income potential**
Hybrid or Variety:	Hybrid
Subject	Agronomy
Category:	Hybrid Demonstration
Crop/ enterprise:	Cereals – Maize
Farming situation	Irrigated, upland, Red soil
Prioritized problem:	Maize is cultivated in about 975 ha of land in the Block in which about 870 ha is canal irrigation. Majority of the farmers are cultivating the private hybrids which is susceptible to pest and disease incidence.
Title	**Demonstration of Maize Hybrid CoH(M) 11**
Technology to be demonstrated:	Seed – CoH(M) 11, Seed treatment and IPM
Hybrid or Variety:	Hybrid
Source of Technology:	TNAU ,Coimbatore (2023)
Description	Duration : 105 – 110 days, Season –Adi, Purataasi,Thai pattam, Yield -81q/ha(Irrigated), 65.9 q/ha (Rain fed), Drought tolerance, Better fodder quality and Moderately resistance to Fall Army Worm
Potential yield	81q / ha
Critical input, quantity and cost	Seed and Maize crop booster
Farmers practice	Private hybrid
Source of input	TNAU, Coimbatore.

Photos	 
Average farmers yield	62.5 q/ha
Season	*Rabi* 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.24,000.00
Parameters to be studied:	Gain yield (q/ha), Fodder yield (q/ha), pest and disease incidences and BCR
Parameters to be reported	Grain yield (q/ha) and BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (Agronomy)

FLD No.:3	**Demonstration of Finger Millet variety ATL 1**
Status (New proposal/2nd year /3rd year)	New
Subject	Agronomy
Category:	Millets
Crop/ enterprise:	Finger millet
Farming situation	Rainfed
Prioritized problem:	Fingr millet is the important Millet crop cultivated over 560 ha in Coimbatore district. 80 percent of the area comes under rainfed conditions and the farmers are adopting old varieties with conventional method of

	cultivations. The proposed demonstrations will replace the old variety with ATL 1 variety along with integrated crop management practices for improving the productivity per unit area.
Title	**Demonstration of Finger Millet variety ATL 1**
Technology to be demonstrated:	Ragi variety (ATL 1), seed treatment, ICM practices
Hybrid or Variety:	Variety
Source of Technology:	TNAU, 2021
Description	• Dual purpose suited for grain and fodder. Grain yield: 2440 kg/ha; Stover yield: 64.9 q/ha • Short duration variety (95-100days) • Resistant to shoot fly, stem borer, downy mildew, grain mould and rust
Potential yield	Grain -24.4 qtl / ha and Fodder – 64.9q/Ha
Critical input, quantity and cost	Seed, Bacillus subtillis and micronutrient
Farmers practice	Conventional method of cultivation with old variety Hill ragi
Source of input	TNAU
Photos	
Average farmers yield	Grain yield - 14.40q/ha and Fodder – 35.5 q/Ha
Season	*Rabi* 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.12,500.00
Parameters to be studied:	Plant height(Cm), Number of tiller/ plant, Grain Yield (q / ha), Fodder yield (Q / ha) and BC ratio
Parameters to be reported	Yield(q/ha) and BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Sc/ST

Team members	SMS (Agronomy)

FLD No: 4	**Demonstration of Black gram variety ADT 7**
Status (New proposal/2nd year /3rd year)	New
Subject	Agronomy
Category:	Pulses
Crop/ enterprise:	Black gram
Farming situation	Rainfed
Prioritized problem:	Black gram is the important Pulse crop cultivated over 395 Ha.the district. Cultivation of old varieties suceptable to pest and disease especially pod borer and YVMV,leads to low yield and profitability.
Title	**Demonstration of Black gram variety ADT 7**
Technology to be demonstrated:	Black gram variety (ADT 7), seed treatment, ICM practices
Hybrid or Variety:	Variety
Source of Technology:	TNAU, 2023
Description	• Resistant to YVMV, leaf crinkle and stem necrosis. • Resistant to stem fly and moderately resistant to pod borer and pod bug
Potential yield	Grain -24.4 qtl / ha
Critical input, quantity and cost	Seed, *Bacillus subtillis*, Rhizobium and pulse wonder
Farmers practice	VBN 8
Source of input	TNAU
Photos	
Average farmers yield	Grain yield -7.2 q/ha
Season	*Rabi* 2024

No. of Demos (replications)	10
Total cost for the Demo	Rs.14,900.00
Parameters to be studied:	No. of plants /$m^{2,}$ Plant height (cm), Number of Pods/plant, Yield (kg/ha), BCR
Parameters to be reported	Yield(q/ha) and BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Sc/ST
Team members	SMS (Agronomy)

FLD No	05
Status	OFT convert to FLD
Subject	**Horticulture**
Category:	Vegetables
Crop/ enterprise:	Lab lab
Farming situation	Western zone, Red soil, Rain fall of 645 mm & PH ranges between 7.4 to 8.5
Prioritized problem:	Nutrient deficiency, Poor Soil amendments, Pest & disease incidences leads low yield.
Title	Demonstration of Bush type Lablab CO 16
Technology to be demonstrated:	1.Demonstration of High yielding varieties co-16 2.Foliar spray of IIHR micronutrient
Hybrid or Variety:	Co-16
Source of Technology:	TNAU 2023
Description	Early bearing with 50-55 days for first harvest, 12-15 pickings can be made in four months duration, Less infestation by pod borer (5.5%). Yield :16.5 t/ha
Potential yield	16.5 t /ha
Critical input, quantity and cost	1. Seeds- (CO -16) -10 kg 2. Vegetable special - 20 kgs 3. Yellow sticky trap – 50 nos
Farmers practice	Cultivating local hybrids with indiscriminate use of fertilizer and pesticides
Source of input	TNAU

Photos	  
Average farmers yield	10 t /ha
Season	Kharif 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.15000/-
Parameters to be studied:	1. No. of pods per plant 2.Pod borer incidence (%)
Parameters to be reported	Yield (Q/Ha) and BC Ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	SCSP
Team members	SMS (Horticulture)

FLD No	06
Status	OFT convert to FLD
Subject	**Horticulture**
Category:	Vegetables
Crop/ enterprise:	Tomato
Farming situation	Western zone, Red soil, Rain fall of 645 mm & PH ranges between 7.4 to 8.5
Prioritized problem:	Low yield ,pest and disease incidence
Title	Demonstration of Tomato hybrid Co-4
Technology to be demonstrated:	1.Demonstration of High yielding Hybrid CO-4 2.Foliar spray of IIHR micronutrient
Hybrid or Variety:	Hybrid : CO-4
Source of Technology:	TNAU 2020
Description	Fruits are flat round with thick pericarp (5.84 mm). Greenshoulder at breaker stage which turns to red colour at ripening. Moderately resistance to leaf curl virus.
Potential yield	92 t /ha
Critical input, quantity and cost	1. Seeds- (CO – 4) - 500g 2. Vegetable special - 20 kgs
Farmers practice	Local cultivar with Indiscriminate use of fertilizer and pesticides

Source of input	TNAU
Photos	 
Average farmers yield	75 t /ha
Season	Rabi 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.20 000/-
Parameters to be studied:	1. Fruit borer infestation % 2. Wilt & Leaf curl incidence /m^2 3. No. of harvest
Parameters to be reported	Yield (Q/Ha) and BC Ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK-Main
Team members	SMS (Horticulture)

FLD No	07
Status	New proposal
Subject	Horticulture
Category:	Vegetables
Crop/ enterprise:	Amaranthus
Farming situation	Western zone, Red soil, Rain fall of 714 mm & PH ranges between 7.2 to 8.9
Prioritized problem:	Low yield ,pest and disease incidence
Title	Demonstration of Red Amaranthus CO - 6
Technology to be demonstrated:	1.Demonstration of High yielding Cultivar Co-6 2.Foliar spray of IIHR micronutrient
Hybrid or Variety:	Variety : Co-6
Source of Technology:	TNAU 2024
Description	It is a pulling and late bolting type . The harvest starts very early 30-32 days . Attractive red colored with high anthocyanin content (0.653 mg/100g). Suitable for Container cultivation and Microgreens.

Potential yield	13.2 t /ha
Critical input, quantity and cost	1. Seeds- (CO-6)- 1 kg 2. Vegetable special - 10 kgs
Farmers practice	Indiscriminate use of fertilizer and pesticides
Source of input	TNAU
Photos	
Average farmers yield	8 t /ha
Season	Rabi 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.5000/-
Parameters to be studied:	1. Germination % 2. Leaf spot incidence/m^2
Parameters to be reported	Yield (Q/Ha) and BC Ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK-Main
Team members	SMS (Horticulture)

FLD No	08
Status	New proposal
Subject	Horticulture
Category:	Vegetables
Crop/ enterprise:	Moringa
Farming situation	Western zone, Red soil, Rain fall of 645 mm & PH ranges between 7.4 to 8.5
Prioritized problem:	Low yield ,pest and disease incidence
Title	Demonstration of Perennial Moringa PKM-3
Technology to be demonstrated:	1.Demonstration of High yielding Perennial Moringa PKM-3 2.Foliar spray of IIHR micronutrient
Hybrid or Variety:	Variety : Perennial Moringa PKM-3

Source of Technology:	TNAU 2024
Description	It is a Medium length of pods (47-55 cm). Less incidence of pod fly, tea mosquito bug and leaf eating caterpillar and Less incidence of root rot.
Potential yield	68.7 t /ha
Critical input, quantity and cost	1. Seeds- (PMK-3)- 5 kgs 2. Vegetable special - 10 kgs 3.VAM – 50 kgs
Farmers practice	Local variety with Indiscriminate use of fertilizer and pesticides
Source of input	TNAU
Photos	
Average farmers yield	50 t /ha
Season	Rabi 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.25000/-
Parameters to be studied:	1. Germination % 2. Pod fly incidence/m^2 3. Root rot incidence/m^2
Parameters to be reported	Yield (Q/Ha) and BC Ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	SCSP
Team members	SMS (Horticulture)

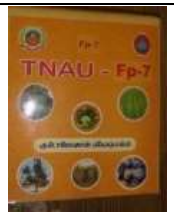
FLD No	09
Status	Direct FLD
Subject	**Horticulture**
Category:	Plantation crop
Crop/ enterprise:	Coconut
Farming situation	Western zone, Red soil, Rain fall of 645 mm & PH ranges between 7.4 to 8.5
Prioritized problem:	Wilt incidence due to Nutrient deficiency, Poor Soil amendments leads low yield.
Title	Demonstration of TNAU Cococon for the management of Coconut root wilt disease
Technology to be demonstrated:	1.Demonstration of Cococon for wilt management
Hybrid or Variety:	Variety :Tall
Source of Technology:	TNAU 2024

Description	Mix 5 kg jaggery + 5 litre of curd + 500 gram salt + 150 litre of water + 5 litre TNAU COCOCON liquid formulation of mother culture • Mix three to four times a day for 10 minutes with wooden stick and cover it with gunny bag • Maintain it under shade for 5 days • Take 2 litres of mass multiplied culture with 8 litres of water and apply around the root zone of coconut palm
Potential yield	-
Critical input, quantity and cost	1.Cococon- 50 liters
Farmers practice	indiscriminate use of fertilizer and pesticides
Source of input	TNAU
Photos	
Average farmers yield	-
Season	Kharif 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.23000/-
Parameters to be studied:	1.No .of Harvest 2.Wilt incidences
Parameters to be reported	Yield (Q/Ha) and BC Ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK- Main
Team members	SS&H (Plant Protection) & SMS (Horticulture)

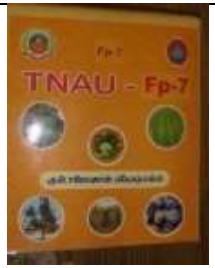
FLD No.:	**10**
Status (New proposal/2nd year /3rd year)	New
Subject	Soil science
Category:	Pulses
Crop/ enterprise:	Greengram
Farming situation	Rainfed

Prioritized problem:	Greengram is one of the most important pulse crop grown in Coimbatore district. Major problems are Low yield due to nutrition deficiency, Lack of awareness about biofertilizers ,bio agents and micronutrients,
Title	**Demonstration of TNAU Pulse wonder in greengram**
Technology to be demonstrated:	Greengram (VBN-6), INM Practices
Hybrid or Variety:	Variety
Source of Technology:	TNAU 2020
Description	❖ Soil test based fertilizer recommendation ❖ Soil application of bio fertilizers ❖ Foliar spraying of pulse wonder ❖ Need based pest and disease Management
Potential yield	120Q/Ha
Critical input, quantity and cost	Seed 40 kg – 5000.00 *Azophos 10 kg - 1000.00 Trichoderma 10 kg – 2000.00* TNAU Pulse wonder 20 kg - 4500.00
Farmers practice	No foliar application
Source of input	TNAU
Photos	 
Average farmers yield	6.5 Q/Ha
Season	*Rabi* 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.12500/-
Parameters to be studied:	Plant population, Number of grains/plant, Yield and BC ratio
Parameters to be reported	Yield(q/ha) and BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK main
Team members	SMS (Soil science)

FLD No	**11**
Status	New proposal
Subject	Soil Science
Category:	Vegetables
Crop/ enterprise:	Beetroot
Farming situation	Bore well irrigated, Black soil , Rain fall of 645 mm & PH ranges between 7.8 to 8.5
Prioritized problem:	Beetroot is one of the most important vegetable rop grown in Coimbatore district. Major problems are Low yield due to nutrition deficiency, Lack of awareness about biofertilizers ,bio agents and micronutrients, Yield loss due to pest and diseases.
Title	Demonstration of Integrated crop management practices in Maize
Technology to be demonstrated:	❖ Soil test based fertilizer recommendation ❖ Soil application of bio fertilizers ❖ Soil application of micronutrients ❖ Foliar spraying of IIHR special vegetable special ❖ Need based pest and disease Management
Hybrid or Variety:	Private hybrid
Source of Technology:	TNAU,2020
Description	Soil test based fertilizer application provides adequate knowledge about the soil fertility status, soil application of biofertilizers and bioagents enhances the nutrient uptake and prevents soil borne pathogens. Soil and Foliar application of micronutrients ensures the yield and quality.
Potential yield	16 T/Ha
Critical input, quantity and cost	*Azospirillum* 10 kg – 100/-, *Phosphobacteria* – 10 kg -100/- , *T.Viride* 10 kg – 2000/- , Pseudomonas 10 kg – 2000/- ,TNAU MN Mixture -100 kg – 10000/-, IIHR Micronutrient 10 kg -2500/-
Farmers practice	No application of biofertilizers and bio agents
Source of input	KVK, TNAU

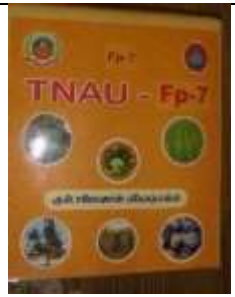
Photos	  
Average farmers yield	16 T/Ha
Season	Kharif
No. of Demos (replications)	10
Total cost for the Demo	18500.00
Parameters to be studied:	Tuber weight, Yield (q/ha) ,Leaf spot / m2, BC Ratio
Parameters to be reported	Yield, BC Ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK- Main
Team members	SMS Soil Science

FLD No.:	**12**
Status (New proposal/2nd year /3rd year)	New proposal
Subject	Soil Science
Category:	Vegetables
Crop/ enterprise:	Bitter gourd
Farming situation	Bore well irrigated, Red soil, Rain fall of 645 mm & PH ranges between 7.9 to 8.3
Prioritized problem:	Bitter gourd is one of the most important pandal vegetable crop grown in Coimbatore district. Major problems are Low yield due to nutrition deficiency, Lack of awareness about biofertilizers and bio agents, Yield loss due sucking pests and root rot incidences.
Title	**Demonstration of Integrated crop management practices in Onion**
Technology to be demonstrated:	❖ Soil test based fertilizer recommendation ❖ Soil application of bio fertilizers and bio agents ❖ Soil application of micronutrients ❖ Foliar spraying of IIHR special vegetable special

	❖ Erection of yellow sticky and pheromone traps ❖ Need based pest and disease Management
Hybrid or Variety:	Private hybrid
Source of Technology:	TNAU,2020
Description	Soil test based fertilizer application provides adequate knowledge about the soil fertility status, soil application of biofertilisers and bioagents enhances the nutrient uptake and prevents soil borne pathogens. Soil and Foliar application of micronutrients ensures the bulb yield and quality.
Potential yield	42 T/ Ha
Critical input, quantity and cost	*Azospirillum* -10 kg -1000/- , *Phosphobacteria* – 10 kg – 1000/-, *T.Viride* – 10 kg – 2000/- *Bacillus – 10 kg* – 2000/- TNAU MN Mixture – 50 kg – 5000/-, IIHR Micronutrient mixture 20 kg – 5000/-, Sticky and pheromone traps 50 nos – 8800/-
Farmers practice	No application of biofertilizers and bio agents
Source of input	KVK, TNAU
Photos	   
Average farmers yield	36t/Ha
Season	Rabi 2024
No. of Demos (replications)	10
Total cost for the Demo	24,800/-
Parameters to be studied:	Fruit weight, No of fruits /pt, No of pickings, sucking pest infestation /m, yield /ha, and BC ratio
Parameters to be reported	Yield, BC Ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main

Team members	SMS Soil Science, SSH & Head

FLD No.:	**13**
Status (New proposal/2nd year /3rd year)	New proposal
Subject	Soil Science
Category:	Vegetables
Crop/ enterprise:	Chilli
Farming situation	Bore well irrigated, Red soil, Rain fall of 645 mm & PH ranges between 7.6 to 8.2
Prioritized problem:	Chilli is one of the most important vegetable crop grown in Coimbatore district. Major problems are unaware of recent technologies in organic farming
Title	**Demonstration of Organic farming in Bhendi**
Technology to be demonstrated:	❖ Soil application of bio fertilizers and bio agents ❖ Preparation and application of organic nutrients ❖ Erection of yellow sticky and pheromone traps ❖ Need based pest and disease Management
Hybrid or Variety:	Traditional variety
Source of Technology:	TNAU,2022
Description	Organic farming helps to maintain environment health by reducing the level of pollution. It reduces human and animal health hazards by reducing the level of residues in the product. It helps in keeping agricultural production at a sustainable level. Soil application of biofertilisers , bioagents and organic inputs enhances the nutrient uptake and prevents soil borne pathogens.
Potential yield	
Critical input, quantity and cost	*Azospirillum* -10 kg -900/- , *Phosphobacteria* – 10 kg – 900/-, *T.Viride* – 10 kg – 2000/- *Bacillus – 10 kg* – 2000/- VAM 50 kg – 3000/-, TNAU MN Mixture – 50 kg – 10000/-, IIHR Micronutrient mixture 20 kg – 4000/-, Sticky and pheromone traps 50 nos – 7200/-
Farmers practice	No application of biofertilizers and bio agents
Source of input	KVK, TNAU

Photos	   
Average farmers yield	12 t/Ha
Season	Kharif 2024
No. of Demos (replications)	5
Total cost for the Demo	13750/-
Parameters to be studied:	Fruit wt, Fruit yield, BC Ratio
Parameters to be reported	Yield, BC Ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS Soil Science, SSH & Head

FLD No.:	**14**
Status (New proposal/2nd year /3rd year)	New proposal
Subject	Soil Science
Category:	Farm Waste recycling
Crop/ enterprise:	Composting
Farming situation	Bore well irrigated, Red soil, Rain fall of 645 mm & PH ranges between 7.6 to 8.3
Prioritized problem:	Unaware of composting technology
Title	Demonstration of vermicomposting technology using biomineralizer
Technology to be demonstrated:	❖ Microbial composting

	❖ Vermicomposting
Hybrid or Variety:	-
Source of Technology:	TNAU, 2021
Description	Cost effective, Time saving, easy farm waste recycling
Potential yield	-
Critical input, quantity and cost	TNAU Bio mineralizer 10 kg – 1000.00, Vermibag 10 No – 24000.00 Earthworms 10 kg – 4000.00
Farmers practice	Conventional method of composting
Source of input	TNAU
Photos	
Average farmers yield	-
Season	Kharif 2024
No. of Demos (replications)	10
Total cost for the Demo	29000/-
Parameters to be studied:	Composting period, Compost yield, BC Ratio
Parameters to be reported	Net income BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS Soil Science, SSH & Head

FLD No.:	**15**
Status (New proposal/2nd year /3rd year)	Newly Proposed
Subject	Agricultural Engineering
Category:	Farm mechanization
Crop/ enterprise:	-
Prioritized problem:	More labour and Time consuming
Title	Demonstration of Shredder cum Pulverizer
Technology to be demonstrated:	Shredder cum Pulverizer
Source of Technology:	TNAU 2019
Description	These machine completely reduce the time and labour involvement in shredding all kinds of agricultural wastes (Both wet & dry waste) for easy decomposition.
Critical input, quantity and cost	Fuel Charges
Farmers practice	Manual
Source of input	KVK
Photos	 
Average farmers yield	-
Season	-
No. of Demos (replications)	4
Total cost for the Demo	Rs.8000
Parameters to be studied:	Labour requirement (Man days/ha), Decomposition period and BC Ratio
Parameters to be reported	Labour requirement (Man days/ha), Decomposition period and BC Ratio

Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (Agrl. Engineering)

FLD No.:	**16**
Status (New proposal/2nd year /3rd year)	Newly Proposed
Subject	Agricultural Engineering
Category:	Farm mechanization
Crop/ enterprise:	Coconut/Arecanut
Prioritized problem:	Lack of skilled labour
Title	**Demonstration of Multi Tree Climber**
Technology to be demonstrated:	Multi Tree Climber
Source of Technology:	NIF-2019, Gujarat
Description	• National Innovation Foundation developed a multi tree climbing machine. • Multi tree climber equipment is suitable for climbing coconut, palm, teak, rubber, silver oak and similar trees. • Low weight, easy transportation, climbing, addresses labour shortage and long life.
Critical input, quantity and cost	Multi tree climber
Farmers practice	Manual tree climbing
Source of input	National Innovation Foundation, Gujarat
Photos	  
No. of Demos (replications)	2

Total cost for the Demo	20,000/-
Parameters to be studied:	Harvesting quantities tree/ hour, labour cost and BCR
Parameters to be reported	Harvesting quantities tree/ hour, labour cost and BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (Agrl Engineering)

FLD No.:	**17**
Status (New proposal/2nd year /3rd year)	2nd year Proposed
Subject	Agricultural Engineering
Category:	Pulses - crop
Crop/ enterprise:	Bengal gram – Farm Mechanization
Farming situation	Rainfed - Block cotton soil
Prioritized problem:	As a cash crop, the Bengal gram is cultivated in about 4550 ha in the district under Rainfed condition. . Because of the rural industrialization, now a day, the availability of the effective human resource in agriculture production is uncertainty particularly in the peak season and also high operational cost which reduce the economic returns. It also requires more time and operational cost.
Title	Demonstration of Tractor operated Seed drill in Rainfed Bengal gram production
Technology to be demonstrated:	Mechanized Sowing. by the tractor
Hybrid or Variety:	NBeG- 47
Source of Technology:	ANGRAU – 2018
Description	In our district totally 4550 Ha of lands comes under Bengal gram cultivation. The farmers normally Sowing the Bengal gram seeds by manually as broad costing method after the seed bed preparation. In Bengal gram production system the sowing operation with proper soil moisture is an important activity, which only ensures better seed germination. For that, the Rain fed Bengal gram farmers, normally done their sowing activity by using of the human resource as broad costing method. Because of the non-availability of the effective human power as well as uncertainty this leads delay in sowing operation, more time and operational cost. To salve their labour problem in sowing of seeds and ensure the timely operation, we introduce tractor operated seed drill for their sowing activity by tractor and will help them for sowing in right soil moisture and ensure better seed germination to gain better economic returns in their Rainfed fed production system.
Potential yield	15.5 Qtl/ ha
Critical input, quantity and cost	Fuel for Mini Tractor, 65 liters of fuel .Rs 6,500.Plus Transportation charges 7,000 + Field board 500 = Rs 14,000

Farmers practice	Involving the human power
Source of input	CIAE (RC) Coimbatore
Photos	   
Average farmers yield	12.8 Qtl per Ha
Season	Rabi 2024
No. of Demos (replications)	5
Total cost for the Demo	Rs.14,000
Parameters to be studied:	Man hours/ha, operational cost/Ha and BCR
Parameters to be reported	Yield, Gross cost and Net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (Agrl. Engineering)

FLD No.:	**18**
Status (New proposal/2nd year /3rd year)	New
Subject	Animal Science
Category:	Variety introduction
Crop/ enterprise:	Poultry
Farming situation	Intensive
Prioritized problem:	Low egg yield and low weight gain in desi chicken
Title	Demonstration of TANUVAS Aseel

Technology to be demonstrated:	Introduction and demonstration of new Breed
Hybrid or Variety:	Breed
Source of Technology:	TANUVAS
Description	More preferred by urban and semi-urban consumers owing to the desirable flavor of meat. Most popular among semi-urban farmers as backyard bird due to attractive plumage. Attain 12th week body weight of 1.0 kg, with FCR at 3.5 and livability of 95 per cent. Reduced broodiness with resultant more egg number (160) and more chicks (112) per dam.
Potential yield	-
Critical input, quantity and cost	Aseel , 20 x 10 farmers
Farmers practice	Rearing desi chicken
Source of input	TANUVAS
Photos	 --
Average farmers yield	-
Season	Round the year
No. of Demos (replications)	10
Total cost for the Demo	Rs.20 000 (Rs.2000 per demo)
Parameters to be studied:	Livability%, Egg production, egg laying period, weight gain, income generation, BCR
Parameters to be reported	Livability%, Egg production, egg laying period, weight gain, income generation, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	SC/SP
Team members	SMS – Animal Science

FLD No.:	**19**
Status (New proposal/2nd year /3rd year)	New
Subject	Animal Science
Category:	Disease management

Crop/ enterprise:	Dairy Cattle
Farming situation	Intensive
Prioritized problem:	Lack of awareness of controlling parasites
Title	Demonstration of Nanomethicone spray in cattle
Technology to be demonstrated:	Demonstration of Nanomethicone spray in cattle
Hybrid or Variety:	Cross breed
Source of Technology:	TRPVB 2020
Description	The nanomethicone spray is toxic less spray used for ecto-parasiticide infestation in small ruminants.
Potential yield	-
Critical input, quantity and cost	Nanomethicone spray
Farmers practice	Practicing EVM
Source of input	Local shop
Photos	
Average farmers yield	1100 lits/year
Season	Round the year
No. of Demos (replications)	10
Total cost for the Demo	Rs.1000 (Rs.1000 per demo)
Parameters to be studied:	Body weight gain, Parasite load and BCR
Parameters to be reported	Body weight gain, Parasite load and BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	SC/SP
Team members	SMS- Animal Science

FLD No.:	**20**

Status (New proposal/2nd year /3rd year)	2nd year
Subject	Animal Science
Category:	Nutrient Management
Crop/ enterprise:	Dairy Cattle
Farming situation	Intensive
Prioritized problem:	Lack of knowledge about mineral mixture, Low weight gain
Title	**Demonstration of TANUVAS - SMART mineral mixture on production performance of Cow**
Technology to be demonstrated:	Demonstration of TANUVAS - SMART mineral mixture
Hybrid or Variety:	-
Source of Technology:	TANUVAS
Description	TANUVAS stands for Tamil nadu Veterinary and Animal Sciences University and SMART stands not only for its meaning but also for Specific Mineral Array for Regions of Tamil Nadu. TANUVAS - SMART mineral mixture contains only five to seven minerals as against twelve minerals in BIS specification. TANUVAS - SMART mineral mixture is suitable only for low and medium level milk yielding
Potential yield	-
Critical input, quantity and cost	TANUVAS - SMART mineral mixture
Farmers practice	-
Source of input	TANUVAS
Photos	
Average farmers yield	-
Season	Round the year
No. of Demos (replications)	10
Total cost for the Demo	Rs.10000 (Rs.1000 per demo)
Parameters to be studied:	Incidence of mineral deficiency, Milk yield and BCR
Parameters to be reported	Milk yield and BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK-Main
Team members	SMS – Animal Science

FLD No.	**21**
Status (New proposal/2nd year /3rd year)	3 rd
Subject	Home Science
Category:	Nutritional security
Crop/ enterprise:	Vegetables, Leafy vegetables & Fruits
Farming situation	NA
Prioritized problem:	Malnutrition among women of reproductive age increases the risk of mortality during labor and delivery which further leads to their newly born children at risk of long-term deficiencies. Improving nutritional status, including micronutrient status, can lead to increased productivity, increases child survival and growth.This reduces mental morbidity and mortality. To overcome this problem, Kitchen Garden is considered to be the best possible solution
Title	**Demonstration of Nutri-garden**
Technology to be demonstrated:	.1Layout of Nutrition Garden 2.Nursery raising 3.Soil application of biofertilizer 4.Foiliar application of vegetable spray and neem soap)
Hybrid or Variety:	Variety
Source of Technology:	TNAU 2012
Description	Food and nutritional security is the key areas in developing country need to be addressed should address. For poor households, vegetables and fruits are often the only sources of micronutrients in the family diet. Establishment of Kitchen Garden in rural areas is easy due to availability of space for farm families who are already engaged in agricultural practices. Kitchen gardening is one of the World's most ancient food production practices and is practiced throughout the world. Homestead production of fruits and vegetables provides the households with direct access to important nutrients that may not be readily available or within their economic reach. Vegetables play a crucial role in human's diet and rural generation should get awareness about importance of vegetables (Simple Jain 2017). Hence, kitchen gardening would be a good mean to improve household food security.
Potential yield	NA
Critical input, quantity and cost	Vegetables seeds, seedlings & tools& Rs.2000 per demonstration
Farmers practice	Farmers are growing few vegetable crops like Briinjal and Tomato.
Source of input	TNAU, and KVK

Photos    	
Average farmers yield	NA
Season	NA
No. of Demos (replications)	5
Total cost for the Demo	Rs.20000
Parameters to be studied:	Yield & BCR
Parameters to be reported	Yield (Kgs)
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS Home science & SMS Horticultuire

FLD No.:	**22**
Status (New proposal/2nd year /3rd year)	New proposal
Subject	Home Science
Category:	Value addition
Crop/ enterprise:	Fruits
Farming situation	NA
Prioritized problem:	Unaware of nutraceutical fruit products
Title	Niche and nutraceutical fruit products for rural youth entrepreneurial development
Technology to be demonstrated:	Value addition, Processing, Labeling and Packing
Hybrid or Variety:	NA
Source of Technology:	CSC&RI TNAU 2022
Description	
Potential yield	NA
Critical input, quantity and cost	Demonstration materials, Packing materials

Farmers practice	Direct selling
Source of input	Local shop
Photos    	
Average farmers yield	NA
Season	NA
No. of Demos (replications)	10
Total cost for the Demo	Rs.20000
Parameters to be studied:	Shelf life, Sensory Parameters (colour, flavour, texture, taste & over all acceptability) Gross cost, gross and net income, BCR
Parameters to be reported	Shelf life, Sensory Parameters and BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS Home science

FLD No.:	**23**
Status (New proposal/2nd year /3rd year)	3rd year
Subject	Home Science
Category:	Processing & Value addition
Crop/ enterprise:	Coconut
Farming situation	NA
Prioritized problem:	Due to poor market infrastructure and fluctuated market price and involvement of middleman in marketing the coconut growers they were not getting remunerative price for their produces. The various edible products from coconut includes coconut milk
Title	**EDP on Promoting income generation of Coconut farmers through Commercial production of Coconut products**

Technology to be demonstrated:	Value addition, Processing, Labeling and Packing
Hybrid or Variety:	NA
Source of Technology:	CSCRI / TNAU Coimbatore2018
Description	Coconut is one of the most important commercial crops in tropical areas and usually referred as tree of heaven or tree of abundance. India is the third largest producer of coconut in the world with 10.56 million tonnes of coconut per year. The various edible products from coconut includes coconut milk, desiccated coconut, coconut oil, vinegar, coconut biscuits, neera etc. Coconut has great culinary, medical, cosmetics and industrial application; therefore all the efforts should be made to promote the value added products of coconut through national and global level
Potential yield	NA
Critical input, quantity and cost	Demonstration materials, Packing materials
Farmers practice	Direct selling
Source of input	Local shop
Photos     	
Average farmers yield	NA
Season	NA
No. of Demos (replications)	10
Total cost for the Demo	Rs.20000
Parameters to be studied:	Shelf life, Sensory Parameters (colour, flavour, texture, taste & over all acceptability
Parameters to be reported	Shelf life, BCR
Source of funding (KVK-Main/TSP/ /SCSP/ Project/Others (specify)	KVK Main
Team members	SMS Home Science

FLD No.:	**24**
Status (New proposal/2nd year /3rd year)	New proposal
Subject	Home Science
Category:	Processing & Value addition
Crop/ enterprise:	Millets,
Farming situation	NA
Prioritized problem:	Lack of knowledge about nutrient dense products
Title	**EDP on Therapeutic and functional foods from millets to promote entrepreneurship among farmwomen**
Technology to be demonstrated:	➢ Processing ➢ Value addition ➢ Branding & packing
Hybrid or Variety:	NA
Source of Technology:	CSCRI / TNAU Coimbatore2018
Description	➢ Nutrient dense Ready to use (RTS) Multigrain Mix is a combination of Brown rice flour (25g), Finger millet flour (20g), whole wheat flour (20g), Green gram dhal flour (10g), Roasted groundnut flour (10g), Roasted sesame flour (10g), Drumstick leaves powder (2.5g) and carrot powder (2.5g). ➢ Functional food with proven health benefits to address malnutrition. ➢ Shelf life of six months at ambient conditions
Potential yield	NA
Critical input, quantity and cost	Demonstration materials, packing materials, and other items Rs.2000 per demonstration
Farmers practice	Direct selling
Source of input	Local shop
Photos	  
Average farmers yield	NA

Season	NA
No. of Demos (replications)	10
Total cost for the Demo	Rs.20,000
Parameters to be studied:	Shelf life, Consumer preference, Income Generation, BC Ratio
Parameters to be reported	Income Generation and BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK main
Team members	SMS Home Science

9.3. National Food Security Mission (NFSM)

9.3.1. Cluster Frontline Demonstrations on Pulses 2024-25

Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo (Rs)	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team member
-	Blackgram	-	-	-	-	-	-	-	-	-	-	-	-
-	Greengram	-	-	-	-	-	-	-	-	-	-	-	-
-	Redgram	-	-	-	-	-	-	-	-	-	-	-	-
-	Bengalgram	-	-	-	-	-	-	-	-	-	-	-	-
-	Horsegram	-	-	-	-	-	-	-	-	-	-	-	-
-	Others	-	-	-	-	-	-	-	-	-	-	-	-
-	Total	-	-	-	-	-	-	-	-	-	-	-	-

9. 3.2. Cluster Front Line Demonstrations on Oil Seeds 2024-25

Category	Crop/ enterprise	Prioritized problem	Technology to be demonstrated	Specify Hybrid or Variety	Name of the Hybrid or Variety	Source of Technology	Name of critical input	Qty per Demo	Cost per Demo (Rs)	No. of Demo	Total cost for the Demo (Rs.)	Parameters to be studied	Team member

Oil seed	Groundnut	Low yield due to old varieties	Seed Foliar application of Micronutrient	Variety	Khadir lepakksi	ICRICAT	Seed	50 kgs	4800	25	120000	Plant population,No.pods per plant,Yield and BC ratio	SMS Agronomy
-	Sesame	-	-	-	-	-	-	-	-	-	-	-	-
-	Sunflower	-	-	-	-	-	-	-	-	-	-	-	-
-	Castor	-	-	-	-	-	-	-	-	-	-	-	-
-	Safflower	-	-	-	-	-	-	-	-	-	-	-	-
-	Others	-	-	-	-	-	-	-	-	-	-	-	-
-	Total	-	-	-	-	-	-	-	-	-	-	-	-

10. Special Programmes 2024-25

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	IFS	-	-	-	-	-	-	-	-
2	EDP- Millets	Lack of Knowledge about value added millet products	Value added products from millets,	CSCRI TNAU 2018 CFTRI 2020	10	-	Demo materials & Packing materials	20000	SMS Home Science
3	FFS	Pest and Disease Management	Integrated Pest and Disease management in Banana	KVK Main	1	1	VAM, *T.viride* , *Paecilomyces*, Banana special ,Pseudostem injector.	30000	SS & Head (Plant Protection) and SMS (Horticulture)
4	NFDB	-	-	-	-	-	-	-	-
5	SERP	-	-	-	-	-	-	-	-
6	Special project Cotton	Lack of awareness on HDPS and ELS cotton	ICM in cotton	CICR	50	20	Seed, growth retardant, IPM	1300000	SMS Agronomy

11. Externally funded projects 2024-25

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	STRY	ATMA	6 days	2020	2	2,00,000.00	42,000.00	SMS (Home Science)
2	SPARK	TNRTP	3 days	2022	2	1,50,000.00	1,50,000.00	SMS (Horticulture)
3	Improved production technologies	ATMA	10 days	2021	5	2,00,000.00	60,000.00	All staff
4	Organic Grower	ASCI	25 days	2024	25	2,40,000.00	2,00,000.00	SMS (Soil Science)
4	Beekeeping	ASCI	25 days	2024	25	2,00,000.00	2,00,000.00	SMS (Home Science)

11.2. Project details (Use one table per project)

Funding Agency	--
State/Central/Over Seas	--
Title	--
Objectives	--
Study area	--
Methodology	--
Team Members	--
Budget	--

12. Trainings planned during 2024-25

12.1. Trainings for Farmers and Farm Women planned during 2024-25

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	Low yield and disease	FLD	Seed treatment with bio agents for enhancing productivity	1	20	SMS Agronomy
2		Paddy	Pest problem	FLD	Integrated pest management	1	17	SMS Agronomy
3		Maize	Low yield	FLD	Integrated crop management	1	18	SMS Agronomy
4		Ragi	Low yield and disease	OFT and FLD	Integrated crop management	2	38	SMS Agronomy
5		Bengalgram	Root rot and pod borer	CFLD and OFT	Seed treatment with bio agents	3	38	SMS Agronomy
6		Cotton	Pest incidence	FLD	IPDM	3	60	SMS Agronomy
7		Ground nut	Nutrition deficiency	OFT,CFLD	Soil amendment in groundnut cultivation	2	60	SMS Agronomy
8	Horticulture	Tomato	Seed borne diseases	FLD	Seed treatment with bio agents for enhancing productivity	1	15	SMS (Horticulture)
9		Chilli	Poor seedling growth	OFT	Nursery techniques for quality seedlingproduction	1	15	SMS (Horticulture)
10		Ridge gourd	Weed infestation	OFT	Integrated weed management	1	15	SMS (Horticulture)

11		Amaranthus	Poor seedling growth	FLD	Seed treatment with bio agents for enhancing productivity	1	15	SMS (Horticulture)
12		Coconut	Immature Nut fallen	FLD	Nutrient management in Coconut production	2	15	SMS (Horticulture)
13		Moringa	Water scarcity	FLD	Mulching in Moringa cultivation	1	15	SMS (Horticulture)
14		Banana	Weed infestation	-	Importance of intercrops in young Banana cultivation	2	15	SMS (Horticulture)
15		Turmeric	Weed infestation	OFT	Integrated weed management in turmeric	1	15	SMS (Horticulture)
16		Brinjal	Poor seedling growth	OFT	Seed treatment with bio agents for enhancing productivity	1	15	SMS (Horticulture)
17		Lab lab	Seed borne diseases	FLD	Seed treatment with bio agents for enhancing productivity	1	15	SMS (Horticulture)
16	Soil Health and Fertility Management	Beetroot	Indiscriminate use of fertilizers	FLD	Soil test based fertilizer recommendation in Beetroot	1	15	SMS (Soil Science)
17		Beetroot	Unaware of micro nutrients	FLD	Integrated nutrient management in Beetroot	1	15	SMS (Soil Science)
18		Bitter gourd	Indiscriminate use of fertilizers	FLD	Soil test based fertilizer recommendation in Bitter gourd	1	15	SMS (Soil Science)

19		Bitter gourd	Unaware of micro nutrients	FLD	Integrated nutrient management in Bitter gourd	1	15	SMS (Soil Science)
20		Greengram	Indiscriminate use of fertilizers	OFT	Soil Test Based Fertilizer Recommendation In Greengram	1	15	SMS (Soil Science)
21		Chilli	Unaware of micro nutrients	OFT	Integrated nutrient management In Chilli	1	15	SMS (Soil Science)
22		Greengram	Unaware of micro nutrients	OFT	Role And Importance Of Micronutrients In Greengram	1	15	SMS (Soil Science)
23		Chilli	Unaware of micro nutrients	OFT	Integrated nutrient management In Chilli	1	15	SMS (Soil Science)
24		All crops	Unaware of waste recycling	FLD	Farm waste recycling	2	30	SMS (Soil Science)
25		All crops	Unaware of soil testing	FLD and OFT	Soil and water testing	4	60	SMS (Soil Science)
26	Livestock Production and Management	Goat	Decreased production performance	OFT	Profitable goat farming	2	30	SMS Animal Science
27		Dairy	Unaware of improved fodder variety	OFT	Clean milk production	2	30	SMS Animal Science
28		Poultry	Lack of knowledge about income via poultry	FLD	Poultry farming	1	15	SMS Animal Science
29	Home Science/Women empowerment	Millets	Lack of knowledge about value addition	EDP	Value added products from millets	2	30	SMS (Home Science)
30		Micronutrients	Iron deficiency	-	Micronutrients in human diet	2	30	SMS (Home Science)

31		Nutrition garden	Nutritional security	FLD	Nutrition garden establishment and management	2	30	SMS (Home Science)
32		Banana	Lack of knowledge about value addition	EDP	Value added products from Banana	2	20	SMS (Home Science)
33		Storage	Improper storage methods		Safety storage methods	2	20	SMS (Home Science)
34		Beekeeping	Lack of knowledge about income generation activity		Income generation through bee keeping	2	30	SMS (Home Science)
35		Fruits and Vegetables	Post-harvest loss	-	Value added products from fruits and vegetables	3	30	SMS (Home Science)
36		Milk	Lack of knowledge about value addition	-	Value added products from Milk	2	20	SMS (Home Science)
37		Arecaplate making	Lack of knowledge about income generation activity		Income generation through agricultural allied enterprises	2	20	SMS (Home Science)
38		Mushroom	Lack of knowledge about value addition		Value added products from mushroom	2	20	SMS (Home Science)
39		Coconut	Lack of knowledge about value addition	EDP	Value added products from	3	30	SMS (Home Science)
40	Agril. Engineering	Groundnut	Labour scarcity Cost of operation is high		Manually operated Groundnut decorticator in Rain fed Groundnut production	1	15	SMS (Agri.Engg)

41		Groundnut	Labour scarcity Cost of operation is high		Tractor drawn seed drill in Rain fed Groundnut production	1	15	SMS (Agri.Engg)
42		Paddy	Labour scarcity Cost of operation is high	FLD	Mechanized Paddy Hay rake	1	15	SMS (Agri.Engg)
43		Sorghum	Labour scarcity Cost of operation -		Utilization of Tractor operated harvester in Rain fed sorghum production	1	15	SMS (Agri.Engg)
44		Banana	Labour scarcity Cost of operation is high		Utilization of Battery operated Pseudo stem injector in Banana production	1	15	SMS (Agri.Engg)
45		Bengalgram	Labour scarcity Cost of operation is high.	FLD	Mechanization in Bengalgram production	1	15	SMS (Agri.Engg)
46		Cotton	Poor Rain water harvesting practices	-	Chisel plough in rain water harvesting system	1	15	SMS (Agri.Engg)
47		Tomato	Improper water supply		Establishment and maintenance of Drip Irrigation system	1	15	SMS (Agri.Engg)
48		Turmeric	Labour scarcity Cost of operation is high	-	Turmeric Steam boiler	1	15	SMS (Agri.Engg)
49		Coconut	Labour scarcity	-	Coconut tree climber	1	15	SMS (Agri.Engg)
50		All Crops	Poor Rain water practices	-	Rain water Harvesting structures and Techniques	1	15	SMS (Agri.Engg)

51	Plant Protection	All crops	Lack of knowledge about IPDM	OFT & FLD	Integrated Pest and Disease management	2	50	Senior scientist and head (plant protection)
					TOTAL	**84**	**1226**	

12.2. Trainings for Rural Youth planned during 2024-25

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	Poor seedling growth	OFT	Quality seedling production techniques	2	40	SMS Horticulture
2	Rejuvenation of old garden	Coconut	Pest and disease	FLD	Improved crop health management in coconut	1	15	SMS Horticulture
3	Protected cultivation of vegetable crops	Vegetables	Pest and disease	-	Recent production techniques in vegetable cultivation	1	20	SMS Horticulture
4	Commercial fruit production	Banana	Nutrient deficiency , Pest and disease	-	ICM in Banana	2	40	SMS Horticulture
5	Integrated Farming System	IFS	Low income ,Failure of Mono cropping		Integrated Farming System	2	45	SMS Agronomy
6	Integrated Crop Management	Mulberry	Pest and Disease		Mulberry cultivation and silk worm rearing	1	22	SMS Agronomy
7	Production of organic inputs	All crops	Unaware of production of organic inputs	FLD	Production of organic inputs	1	20	SMS Soil Science
8	Vermi-culture	All crops	Unaware of composting technology	FLD	Vermicomposting	1	20	SMS Soil Science
9	Mushroom Production	Mushroom	Lack of knowledge about income generation activities	nil	Mushroom production	1	15	SMS Home Science and Senior Scientist and head

10	Bee-keeping	Bee keeping	Lack of knowledge about scientific method of beekeeping	nil	Scientific beekeeping	2	30	SMS Home Science and Senior Scientist and head
11	Value addition	Processing	Post-harvest loss	FLD	Value added products from coconut	2	30	SMS Home science
12	Small scale processing	Value addition	Lack of knowledge about innovative product	FLD	Millet value addition	2	30	SMS Home science
13	Women empowerment	Income generation	Lack of knowledge about income generation activities	nil	Arecaplate making	1	5	SMS Home science
14	Tailoring and Stitching	Rural craft	Lack of knowledge about income generation activities	nil	Income generation activities through Tailoring and Stitching	1	15	SMS Home science
15	Rural Crafts	Rural craft	Lack of knowledge about income generation activities	nil	Income generation activities through banana fibre production	1	15	SMS Home science
16	Production of quality animal products	Milk	Lack of knowledge about income generation activities	nil	Value added products from milk	1	15	SMS (Animal science)
17	Dairying	Dairy	Lack of knowledge	FLD	Profitable dairy farming	1	15	SMS (Animal science)

			about profitable dairy farming					
18	Sheep and goat rearing	Sheep and goat	Lack of knowledge about herbo ecoto parasiticide on small ruminants	FLD	Scientific method of sheep and goat rearing	1	15	SMS (Animal science)
19	Quail farming	Quail	Lack of knowledge about alternative income source	nil	Quail farming	1	15	SMS (Animal science
20	Piggery	-	-	-	-	-	-	-
21	Rabbit farming	-	-	-	-	-	-	-
22	Poultry production	Poultry	Lack of knowledge about improved breeds	FLD	Introduction of Assel in Coimbatore	1	15	SMS (Animal science
23	Ornamental fisheries	-	-	-	-	-	-	-
24	Composite fish culture	-	-	-	-	-	-	-
25	Freshwater prawn culture	-	-	-	-	-	-	
26	Shrimp farming	-	-	-	-	-	-	--
27	Pearl culture	-	-	-	-	-	-	-
28	Cold water fisheries	-	-	--	-	-	-	-
29	Fish harvest and processing technology	-	-	-	-	-	-	-
30	Fry and fingerling rearing	-	-	-	-	-	-	-
31	Any other (pl. specify)	-	-	-	-	-	-	-
	Total					**26**	**437**	

12.3. Trainings for Extension Personnel planned during 2024-25

S. No	Thematic area	Training Course Title	No. of Courses	No. of Participants
1	Productivity enhancement in field crops	Recent technologies in Millet production	2	45
2	Integrated Pest Management	Pest and disease management in Paddy	1	25
3	Integrated Nutrient management	Integrated Nutrient management in Vegetables	1	20
4	Rejuvenation of old garden	Improved crop health management in Coconut	1	20
5	Protected cultivation technology	Recent production techniques in Vegetable cultivation	1	20
6	Production and use of organic inputs	On farm Production and use of organic inputs	1	20
7	Care and maintenance of farm machinery and implements	Care and maintenance of farm machinery and implements	1	20
8	Gender mainstreaming through SHGs	Income generation activities	2	25
9	Formation and Management of SHGs	Capacity development programme through agri and allied enterprises	2	25
10	Women and Child care	Nutritional security through millets and nutrigarden	2	30
11	Low cost and nutrient efficient diet designing	Importance of millets	2	30
12	Group Dynamics and farmers organization		-	-
13	Information networking among farmers		-	-
14	Capacity building for ICT application		-	-
15	Management in farm animals	Profitable Dairy farming	1	15
16	Livestock feed and fodder production	Feed management	1	15
17	Household food security	Scientific method of storage	1	15
18	Any other (pl. specify)		-	-
	Total		**19**	**325**

12.4. Skill trainings and vocational trainings planned during 2024-25

S.No.	Training title	Duration (Days)	No. of programmes	Sponsoring agency	Participants (Nos.)	Name of the team members
1	Importance of integrated terrace garden	4 days	1	Dept .of Horticulture	20	SMS (Horticulture)
2	Integrated Farming System	3 days	1	Dept .of Agriculture	20	SMS (Agronomy)
3	Production and use of organic inputs	3	1	Dept of agriculture	15	SMS Soil Science
4	Value addition in millets	3days	1	ATMA	25	SMS (Home Science)
5	Value addition in fruits and vegetables	3days	1	ATMA	25	SMS (Home Science)
6	Profitable dairy farming	3days	1	ATMA	20	SMS (Animal science)
7	Micro Irrigation	4 days	1	ATMA	20	SMS (Agrl.Engg)
	Total		**7**	**-**	**145**	

12.5. Sponsored trainings planned during 2024-25

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	Agriculture	Importance of millet and its cultivation	3	Farmers and farm women	45	State Department of Agriculture	SMS (Agronomy)
2	Agriculture	Quality Seed production	2	Farmers and farm women	30	State Department of Agriculture	SMS (Agronomy)
3	Agriculture	Groundnut production Technology	2	Farmers and farm women	46	State Department of Agriculture	SMS (Agronomy)

4	Agriculture	Farm waste management	2	Farmers and farm women	30	Department of Agriculture, Coimbatore	SMS Soil science
5	Vegetable crops	Improved production technologies in vegetable crops	3	Farmers and farm women	25	State department of Horticulture Coimbatore	SMS (Horticulture)
6	Coconut	Improved production technologies in Coconut	3	Rural youth	20	State department of Horticulture Coimbatore	SMS (Horticulture)
7	Banana	Value added products from agricultural commodities	2	Farmers and farm women	20	State department of Agriculture	SMS (Home Science)
8	Fruits and vegetables	Value added products from fruits and vegetables	2	Farmers and farm women	20	State department of Horticulture	SMS (Home Science)
9	Dairy	Profitable dairy farming	2	Farmers and farm women	20	ATMA	SMS (Animal Science)
10	Dairy	Feed and fodder management	1	Farmers and farm women	20	State department of Animal husbandry	SMS (Animal Science)
	Total		**22**		**276**	**-**	**-**

13. Extension programmes planned during 2024-25

S. No.	Extension programme	No. of programmes	No. of Participants	Team member involved
1	Advisory Services	100	300	All technical staff
2	Diagnostic visits	60	300	All technical staff
3	Field Day	15	600	All technical staff
4	Group discussions	12	200	All technical staff
5	Kisan Ghosthi	2	300	All technical staff
6	Film Show	6	180	All technical staff
7	Kisan Mela	4	600	All technical staff
8	Exhibition	10	1000	All technical staff
9	Scientists' visit to farmers field	60	600	All technical staff
10	Plant/Soil health/Animal health camps	3	300	All technical staff
11	Ex-trainees Sammelan	2	200	All technical staff
12	Farmers' seminar/workshop	3	150	All technical staff
13	Method Demonstrations	15	300	All technical staff
14	Celebration of important days	3	300	All technical staff
15	Special day celebration	2	200	All technical staff
16	Exposure visits	5	300	All technical staff
17	Technology week	1	100	All technical staff
18	FFS	1	50	All technical staff
19	Farm innovators meet	2	100	All technical staff
20	Awareness programs	5	200	All technical staff
21	Lecture delivered	10	200	All technical staff
22	TV/Radio Programme	3	-	All technical staff
23	News clips	5	-	All technical staff
24	Popular Articles	5	100	All technical staff
25	Research Article	3	150	All technical staff
26	Extension Literatures	6	200	All technical staff
27	Kisan Mobile Advisory Services	24	24000	All technical staff
28	Others (Specify)	5	1000	All technical staff
	Total	**372**	**31930**	

14. Activities proposed as Knowledge and Resource Centre during 2024-25

14.1. Technological knowledge

Sl.No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
1	Technology Park/ Crop cafeteria	Agri Business school	0.2	SMS (Home Science)
		Coconut	1.6	SMS (Horticulture) & Farm Manager
		Fruit orchard	0.4	SMS (Horticulture) & Farm Manager

		Dry land Horticulture	2	SMS (Horticulture) & Farm Manager
		Soil binding grass	0.10	Farm Manager
2	Demonstration Units	Green fodder production	1	SMS (Agronomy) & Farm Manager
		Mulberry	0.4	SMS (Agronomy) & Farm Manager
		Sericulture	0.04	SMS (Agronomy) & Farm Manager
		Millet cafeteria	1.0	SMS (Agronomy) & Farm Manager
		Terrace garden	0.002	SMS (Horticulture) & Farm Manager
		Nursery unit	0.004	SMS (Horticulture) & Farm Manager
		Banana	1.6	SMS (Horticulture) & Farm Manager
		Curry leaf	0.4	SMS (Horticulture) & Farm Manager
		Fodder Bank	0.4	Farm Manager &SMS(AH)
		Co-31 fodder sorghum	0.2	SMS (Agronomy) &Farm Manager
		Azolla	0.0250	SMS (Agronomy) &Farm Manager
		Stall fed goat unit	0.0400	SMS(AH) &Farm Manager
		Half rearing unit	0.0450	SMS(AH) &Farm Manager
		VAM Production unit	50	SMS (Soil Science) & Farm Manager
		Coir compost unit	20	SMS (Soil Science) & Farm Manager
		Vermicompost	200	SMS (Soil Science) & Farm Manager
		Earthworm production unit	0.5	SMS (Soil Science) & Farm Manager
		Vegetable mixture production unit	20	SMS (Soil Science) & Farm Manager
		Vegetable mixture production unit	20	SMS (Soil Science) & Farm Manager
		Neem and Pungam soap production unit	1	SMS (Soil Science) & Farm Manager

		Soil conservation measures	100 Rmt	PA (Agrl. Engg.) & Farm Manager
		Hatchery unit	-	SMS (Animal Science)
		Poultry unit	0.05	SMS (Animal Science)
		Bee keeping	10 colonies	SMS (H. Science) & Plant protection & Farm Manager
3	Lab Analytical services	SWPTL	900 Nos	SMS (Soil Science) & Lab Technician
4	Technology Week	Latest Agriculture Technologies	1	All KVK staff

14.2 Technological products planned to be produced in the KVK during 2024-25 (Seeds, planting materials, livestock, bio-inputs and other inputs)

Sl. No	Category	Name of the product	Quantity (q) or Number	Names of the team members involved
1	Seeds			
		Co-31	0.3 q	SMS (Agronomy) & Farm Manager
		Curry leaf seeds	20 kgs	SMS (Horticulture) & Farm Manager
		Azolla	0.2 q	SMS (Agronomy) &Farm Manager
2	Planting materials	Co-4 & Co-5 fodder	50,000 Nos	SMS (Agronomy) Farm Manager
		Mulberry seedlings –V1	2,000 Nos	SMS (Agronomy) & Farm Manager
		Coconut seedlings	5000 Nos	SMS (Horticulture) & Farm Manager
		Vettiver& Lemon grass	2000 Nos	SMS(Agri. Egg) & Farm Manager
3	Livestock	Goat kid	50 Nos.	SMS (Animal Science)
		Heifers	5 Nos	SMS (Animal Science)
		Chicks	300 Nos	SMS (Animal Science)
		Eggs	500 Nos	SMS (Animal Science)
4	Bio-products	Production of Neem and Pungam soap	0.5 q	SMS (Soil Science)
		VAM Production unit	30 q	SMS (SS) & Farm Manager
		Coir compost unit	10 q	SMS (SS) & Farm Manager
		Vermicompost production unit	300 q	SMS (SS) & Farm Manager
		Earth worm production unit	0.2 q	SMS (SS) & Farm Manager
		Banana and Vegetable mixture	40 q	SMS (Soil Science)
5	Other (Apiary)	Bee colonies	10 colonies	SMS (Home Science) & Plant protection

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	Integrated Farming System	SMS (Agronomy)
		Quality seed production in Pulses	SMS (Agronomy)
		Pulses production technology	SMS (Agronomy)
		Millets production system-1	SMS (Agronomy)
		Integrated Farming System-1	SMS (Agronomy)
		Mixed fodder cultivation-3	SMS (Agronomy)
2	Horticulture	ICM in Coconut -1	SMS (Horticulture) & SMS (SS)
		ICM in Vegetables - 4	SMS (Horticulture)
		ICM in Banana - 1	SMS (Horticulture) & SMS (SS)
		Terrace gaeden techniques -2	SMS (Horticulture)
3	Agricultural Engineering	Micro irrigation system-2	SMS (Agri. Engg)
		Mechanization in groundnut-1	SMS (Agri. Engg)
		Farm Pond-2	SMS (Agri. Engg)
		Advantage of Chisel plow in Rain water harvesting -1	SMS (Agri. Engg)
4	Animal Science	Importance of grand supplement	SMS (Animal Husbandry)
		Poultry farming	SMS (Animal Husbandry)
		Mastitis- Detection, prevention and treatment	SMS (Animal Husbandry)
		Importance of fodder sorghum	SMS (Animal Husbandry)
5	Home Science	Value added products from fruits and Vegetables	SMS (Home Science)
		Value added products from millets	SMS (Home Science)
		Women empowerment through agribusiness school	SMS (Home Science)
		Importance of nutrition garden	SMS (Home Science)
		Value added products from Tribal resources	SMS (Home Science)
6	Electronic Media	Data base	Computer Programmer
7	Kisan Mobile Advisory Services	All	Computer Programmer

14.3.2. Publications planned

S. No	Category of publication	Number	Names of the team members involved
1	ICM in Bengalgram	100	SMS (Agronomy)
2	ICM in Groundnut	100	SMS (Agronomy)
3	Integrated Farming System	100	SMS (Agronomy)
4	Cotton cultivation Technologies	100	SMS (Agronomy)
5	Farm waste recycling	100	SMS (Soil Science)
6	ICM In Onion	100	SMS (Soil Science)
7	ICM in Coconut	100	SMS (Horticulture)
8	ICM in Vegetables	100	SMS (Horticulture)
9	ICM in banana	100	SMS (Horticulture)
10	Terrace garden	100	SMS (Horticulture)
11	Value added products from millets	100	SMS (Home Science)
12	Value added products from fruits and Vegetables	100	SMS (Home Science)
13	Value added products from milk	100	SMS (Home Science)
14	Rain water harvest	100	SMS (Agri. Engg)
15	Goat farming	100	SMS (Animal Husbandry)
16	Clean milk production	100	SMS (Animal Husbandry)

15. Additional (Collaborative) Activities Planned during 2024-25

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	Formation of FPO's	Formation of two Farmers Producers Organizations	1,00,000	All technical staff
2	NABARD	Market outlet	Establishment of Knowledge and resource centre	1,00,000	All technical staff

16. Revolving Fund

16.1. Status of Revolving fund

Opening balance as on 01.04.2023 (Rs.)	Receipts during 2023-24 (Rs)	Expenditure incurred during 2023-24 (Rs.)	Closing balance as on 31.03.2024 (Rs.)
13,10,313.75	9,08,282.00	9,59,460.00	12,59,135.75

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

S. No	Proposed activities	Expected output	Anticipated income (Rs.)	Name of the team member involved
1	Co 31	0.3 q	12,000.00	SMS (Agronomy) & Farm Manager
2	Cotton fiber	10 q	35,000.00	SMS (Agronomy) & Farm Manager
3	Co-4 & CO-5 fodder	50,000 Nos	75,000.00	SMS (Agronomy) & Farm Manager
4	Mulberry seedlings –V1	2000 Nos	4,000.00	SMS (Agronomy) & Farm Manager
5	Silk worm Cocoon	4q	80,000.00	SMS (Agronomy) & Farm Manager
6	Coconut seedlings	5000 Nos	2,50,000.00	SMS (Horticulture)& Farm Manager
7	Curry leaf seeds	20 kgs	3500.00	SMS (Horticulture)& Farm Manager
8	Coconut (nuts)	20,000 Nos	1,60,000.00	SMS (Horticulture)& Farm Manager
9	Amla	2 q	2000.00	SMS (Horticulture)& Farm Manager
10	Tamarind	12 q	6000.00	SMS (Horticulture)& Farm Manager
11	Fruit and vegetable processing unit	10kgs	10,000.00	SMS (Home Science)
12	Cereals and millets processing unit	Millet products –300kgs	40,000.00	SMS (Home Science)
13	Processing of Coconut	200-liter oil and coconut oil-based soap 200 nos	30000.00	SMS (Home Science)
14	Vermicompost production unit	40 tons	2,00,000.00	SMS (SS) & Farm Manager
15	Earth worm production unit	50 kg	25000-00	SMS (SS) & Farm Manager
16	VAM Production unit	5 tons	150000.00	SMS (SS) & Farm Manager
17	Coir compost	5 tons	25000-00	SMS (SS) & Farm Manager
18	Production of banana and vegetable mixture	2 tons	320000.00	SMS (Soil Science)
19	Production of Neem and Pungam soap	1 q	50,000.00	SMS (Soil Science)
20	Goats	25nos	1,30,000.00	SMS (Animal Science)
21	Azolla	25kg	750.00	SMS (Animal Science)
22	Chicks	300	30000.00	SMS (Animal Science)
23	Eggs	500	5000.00	SMS (Animal Science)
21	Vettiver/ lemon grass	2000	10000.00	SMS (Agri. Egg) & Farm Manager
25	Apiary	10 colonies	20000.00	SMS (Home Science) & Plant Protection

17 Activities of soil, water and plant testing laboratory during 2024-25

S. No.	Type	Through	No. of samples	No of soil health cards	Names of the team members involved
1	Soil	Mini soil testing lab	50	50	SMS (Soil Science) & Lab technician
		Traditional lab	900	900	SMS (Soil Science) & Lab technician
		AAS	-	-	-
2	Water		50		SMS (Soil Science) & Lab technician
3	Plant		-	-	

18. Plan of activity for Institutional Farm

S. No.	Activity	Area (ha)	Names of the team members involved
1	Cotton cultivation	0.8	Farm Manager & SMS Agronomy
2	Banana	2	Farm Manager & SMS(Hort)
3	Mulberry cultivation	0.4	Farm Manager & SMS Agronomy
4	Co-31 cultivation	0.2	Farm Manager & SMS Agronomy
	Co-4 and co-5 cultivation	2	Farm Manager & SMS Agronomy
5	Millets cultivation	0.8	
6	Sesamam cultivation	0.4	Farm Manager & SMS Agronomy
7	Orchard maintenance	1	Farm Manager & SMS(Hort)
8	Coconut plantation maintenance	1.6	Farm Manager & SMS(Hort)
9	Agro forestry maintenance	3.6	Farm Manager & SMS(Hort)
10	Vettiver and lemon grass	0.1	Farm Manager & SMS Agrl.Engg

19. Demonstration units in KVK premises

S. No.	Name of Demo unit	Capacity for production (specify units)	Names of the team members involved
1	COFS-29	0. 3q	SMS (Agronomy) & Farm Manager
2	Co 31	0.3 q	SMS (Agronomy) & Farm Manager
3	Cotton fiber	10 q	SMS (Agronomy) & Farm Manager
4	Co-4 & CO-5 fodder	50,000 Nos	SMS (Agronomy) & Farm Manager
5	Mulberry seedlings – V1	2000 Nos	SMS (Agronomy) & Farm Manager
6	Silk worm Cocoon	3q	SMS (Agronomy) & Farm Manager
7	Coconut (nuts)	20,000 Nos	SMS (Horticulture)& Farm Manager
8	Curry leaf	20 kgs	SMS (Horticulture)& Farm Manager
9	Amla	2 q	SMS (Horticulture)& Farm Manager
10	Tamarind	12 q	SMS (Horticulture)& Farm Manager
11	Fruit and vegetable processing unit	30 kgs	SMS (Home Science)
12	Cereals and millets processing unit	Millet products –300 kgs	SMS (Home Science)
13	Processing of spices and condiments	20kgs	SMS (Home Science)
14	Vermicompost production unit	30 tons	SMS (SS) & Farm Manager
15	Earth worm production unit	50 kg	SMS (SS) & Farm Manager
16	VAM Production unit	5 tons	SMS (SS) & Farm Manager
17	Coir compost	5 tons	SMS (SS) & Farm Manager
18	Production of banana and vegetable mixture	2 tons	SMS (Soil Science)
19	Production of Neem and Pungam soap	1 q	SMS (Soil Science)
20	Goats	25nos	SMS (Animal Science)
21	Azolla	25 kg	SMS (Agronomy)
22	Chicks	300	SMS (Animal Science)
23	Eggs	500	SMS (Animal Science)
	Vettiver/ lemon grass	2000	SMS (Agri. Egg) & Farm Manager
25	Apiary	10 colonies	SMS (Home Science) & Plant Protection

20. E-linkage activities status / proposed during 2024-25

Activity	Particulars	No. of farmers in database/ involved in activity/ downloads/ users etc
Website	Link : http://avinashilingamkvk.org/	39167
Mobile App	Name and link : -	-
ICT initiative		
KVK portal (update status)	Infrastructure details & photos uploaded (no) : Events uploaded : News items submitted :	 1260 2283 28
KVK mobile App of ICAR	Downloaded and used by scientists (no.)	6
Other mobile Apps in use by KVK		6
mKisan of DAC & FW		36674
Social media		
a) WhatsApp groups	No. of groups/KVK:	16
b) Facebook	Link: https://www.facebook.com/kvkcoimbatore.tamilnadu	4214
c) Twitter	Handle name : https://twitter.com/sakvk	3423
d) ATARI YouTube Channel		1260
Membership / participation in online digital platforms for services/ marketing etc.		1260
KVK Blogs etc.		-
Collaboration with public/ private firms for audio/ video conferencing etc	Agency : MoU (yes/no) : No. of programs done :	Devan Studio, Karamadai - 3
Any other (specify)		-

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	Pest and Disease Management	Integrated Pest and Disease management in Banana	25	30,000.00

Details of FFS

No of classes: 14

Subjects to be demonstrated

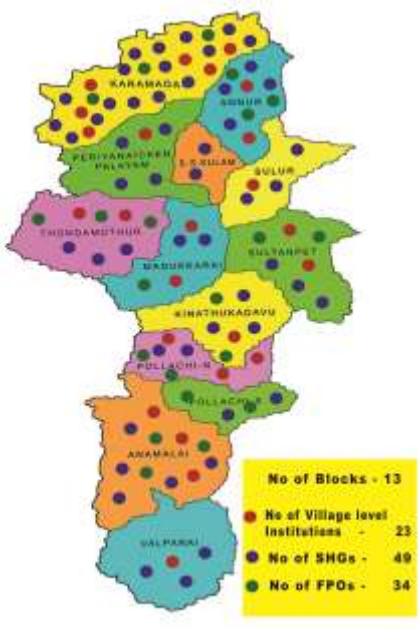
- Present scenario in Banana cultivation
- Factors influencing in Banana production
- Plant health management - Nutrients
- Integrated Pest management
- Integrated Pest - weevil management
- Integrated disease - leaf spot management
- Field day

Budget details

S. No	*Particulars*	*Amount (Rs.)*
1.	Cost of critical inputs, (VAM, *T.viride* , *Paecilomyces*, Banana special , Pseudostem injector.) and Banner	18000.00
2.	Distribution of literature to participants	10000.00
3.	Organizing FFS Field Day and other contingencies	2000.00
	Total	**30,000.00**

22. Details of Innovative Farmers network established

- The Kendra has developed innovative groups consisting of FPOs, SHGs, JLGs, Farmers Club, Progressive Farmers, Commodity Growers, Entrepreneurs, Organic Growers and Women Groups



23.Budget - Details of budget utilization (2023-24) up to 31st March 2024(Rs.)

S. No	Particulars	Sanctioned Grant for 2023-24	Released for 2023-24	Expenditure for the period 1-4-2023 to 31-3-2024
A	**RECURRING**			
1	**Pay & Allowances**	1,97,29,000.00	1,97,29,000.00	1,97,28,659.00
2	**Travelling Allowances**	1,31,000.00	1,31,000.00	1,30,286.00
a	Field activities & programmes			
b	Training programmes			
3	**Contingencies**			
3 A	***Office Contingencies***			
a	Stationery, telephone, stamps and other expenditure on office running			3,20,293.00
b	POL, repair of vehicles, tractor and equipment including hiring of vehicle			3,38,686.00
3 B	***Technical Programmes including TSP/ SCSP***			
a	Rs.150/- per person per day towards food and refreshments for KVK training programmes for farmers/extension personnel			12,770.00
b	Teaching materials for training and demonstrations			8,024.00
c	Training of extension functionaries			0
d	Publications of extension literature for farmers and extension functionaries	19,57,000.00	19,57,000.00	0
e	Honorarium for trainers			0
f	On Farm Testing (Problem Oriented)			1,11,238.00
g	Front Line Demonstration on major crops including oilseeds & pulses, fodder crops, animal husbandry, fisheries, etc.,			2,52,975.00
h	Kisan Meals /Farmers Fair (at KVK farm)			1,77,006.00
i	Library (Purchase of newspaper, journals, etc.,)			7,440.00
j	Maintenance of farm			1,27,025.00
k	Entrepreneurship development programme (EDP)/ Integrated Farming System (IFS) /Farmers Field School(FFS)/ Skill Development Training			
l	Farmers Field School(FFS)			20,213.00
m	Soil Testing Refill and Printing of Soil Health Card			20650.00
n	SCSP Programme			5,32,639.000
	Total of Contingencies	**19,57,000.00**	**19,57,000.00**	**19,28,959.00**
	Sub Total of Recurring Items (1+2+3)	**2,18,17,000.00**	**2,18,17,000.00**	**2,17,87,904.00**
4	**NON-RECURRING CONTINGENCIES:**			
a	Works	-2,00,000.00	2,00,000.00-	1,98,600.00-
b	Furniture& Equipment	-	-	-
c	Vehicle	-	-	-
d	TSP (creation of physical assets)	-	-	-
e	SCSP Component (Creation of Physical assets)	3,11,000.00	3,11,000.00	3,09,710.00
	Sub Total of non-recurring Items (4)	**5,11,000.00**	**5,11,000.00**	**5,08,310.00**
	GRAND TOTAL	**2,23,28,000.00**	**2,23,28,000.00**	**2,22,96,214.00**

24. Details of Budget Estimate (2024-25) based on proposed Action Plan

S. No	*Particulars*	*Budget Estimate for 2024-25*
A	RECURRING ITEMS	
1	Pay & Allowances	2,25,00,000.00
2	Travelling Allowances	200000.00
a	Field activities & programmes	
b	Training programmes	
3	Contingencies	
	Office Contingencies	
a	Stationery, telephone, stamps and other expenditure on office running	6,00,000.00
b	POL, repair of vehicles, tractor and equipment including hiring of vehicle	
4	Technical Programmes	12,55,000.00
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)	
l	Soil Health Card (SHC)	
m	Website/mobile app etc.	
	Total of Contingencies	20,63,000.00
	Total of Recurring Items	**2,45,63,000.00**
B	**NON-RECURRING ITEMS:**	
a	Works	10,00,000.000
b	Vehicle (Jeep/Tractor/2 Wheeler)	1,50,000.00
c	Equipment's &Furniture	2,50,0000.00
d	Fencing and Farm Development	25,00,000.00
e	TSP (creation of physical assets)	-
f	SCSP Component (Creation of Physical assets)	5,00,000.00
	Total of Non-Recurring Items	**44,00,000.00**
	GRAND TOTAL (A+B)	**2,89,63,000.00**

Signature of the Senior Scientist and Head of the KVK

Forwarded **Verified** **Approved**

[DEE/Chairman] [Nodal Officer (ATARI)] [Director (ATARI)]