

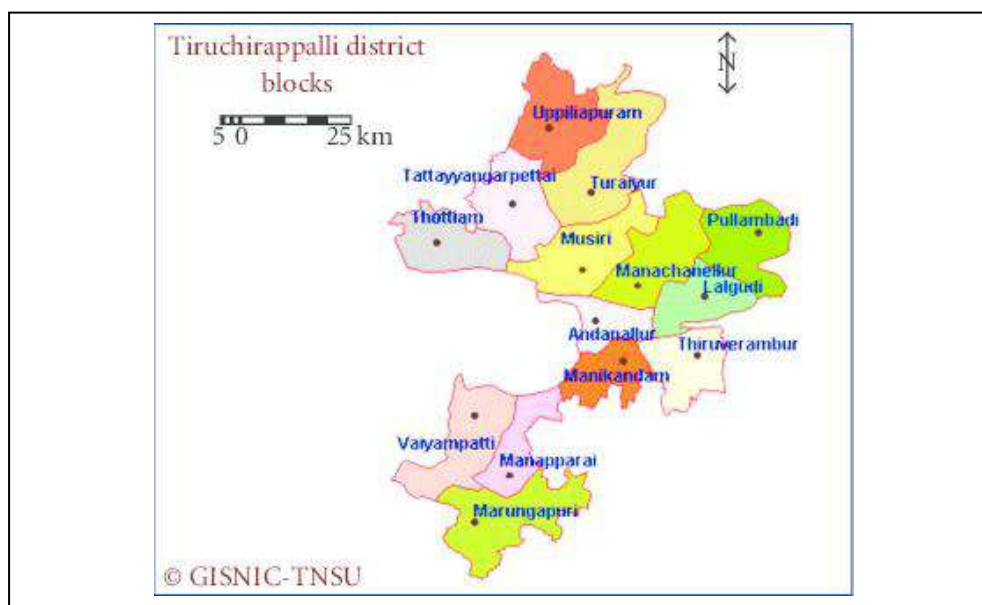
**ICAR-Agricultural Technology Application Research Institute
(ICAR-ATARI)**

ACTION PLAN 2024-25

1. General information about the Krishi Vigyan Kendra

1.1 Name of the KVK	ICAR-KVK, Tiruchirappalli
Address	ICAR-Krishi Vigyan Kendra Sirugamani 639 115 Tiruchirappalli
Phone	0431-2962854
Fax	-
e-mail	kvksgm@tnau.ac.in
1.2. Name of host organization	Tamil Nadu Agricultural University
Address	Tamil Nadu Agricultural University Coimbatore 641 003 Tamil Nadu
Phone	0422-6611201
e-mail	registrar@tnau.ac.in
1.3. Year of sanction	1977
1.4. Website of the KVK	https://tnau.ac.in/site/kvk-trichy/
Date of last update	10.07.2024

1.5. District map with location of the KVK



GPS reading (from Google Maps) of the Entrance of KVK

10.89714, 78.52806 (NH - 81 VGWH+J69)

2. Details of staff as on date

S. No.	Sanctioned post	Name	Discipline	Date of joining	Present pay scale
1	Senior Scientist & Head/ Programme Coordinator	Dr.C.Raja Babu	Crop Physiology	16.03.2024	Level 13 A Rs.139400/- Cell:3
2	SMS 1	Dr.N.Punithavathi	Seed Science & Technology	10.10.2022	Level 14 Rs.162300/- Cell:5
3	SMS 2	Dr.M.Marimuthu	Food Science and Nutrition	17.10.2022	Level 13 (A) Rs.161600/- Cell:8
4	SMS 3	Dr.S.Easwaran	Horticulture	10.04.2023	Level 13 (A) Rs.156900/- Cell:7
5	SMS 4	Dr.M.Sakila	Plant Breeding & Genetics	11.08.2023	Level 13 (A) Rs.139400/- Cell:3
6	SMS 5	Dr.D.Janaki	Soil Science	16.03.2024	Level 13 (A) Rs.139400/- Cell:3
7	SMS 6	Dr.R.Sheeba Jasmine	Agri. Entomology	24.06.2020	Level 12 Rs.107200/- Cell:11
8	Programme Assistant/T4-1	Mrs. V. Kokila	Agriculture	12.04.2023	Level 13 Rs.39200/- Cell:4
9	Programme Assistant/T4-2	Mrs.P.Yamuna devi	Horti and computer application	03.12.2008	Level 13 Rs.62800/- Cell:20
10	Farm Manager/T4	Mr.C.Bakkiyanathan	Agriculture	26.08.2013	Rs.55800/- Level 13 Cell:16
11	Administrative Staff 1 (Assistant)	Mr.A.Bharath Kumar	B.Sc B.Ed MCA	01.11.2021	Rs.24000/- Level 8 Cell:8
12	Administrative Staff 2 (Steno. Grade III)	Ms.S.T.Ishwarya Laxmi	B.Sc Agri	01.03.2023	Rs.20100/- Level 8 Cell:2
13	Driver/T1 - 1	Mr.A.Veeramani	XII	13.10.2021	Rs.22600 Level 8 Cell:6
14	Driver/T1 - 2	Mr.A.Arockiyasamy	XII	14.11.2022	Rs.37400/- Level 8 Cell:23
15	Supporting Staff 1	Mr.C.Karthick	VIII	17.07.2020	Rs.24500/- Level 1 Cell:16
16	Supporting Staff 2	Mr.S.Ambedkar	VIII	01.04.2021	Rs.19300/- Level 1 Cell:8

3. Details of SAC meeting(s) conducted during 2023-24:

Date(s) of SAC meeting(s) Conducted: 20.02.2024

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

S.No.	Suggestions/Recommendations (bullet points)	Name of the SAC Member	Action Taken in brief
1.	Training programme on water management may be organized in Collaboration with IMTI.	Dr.P.P.Murugan, Director of Extension Education, TNAU, Coimbatore	The training programme will be organized during August 2024
2.	Automatic Irrigation Demo Unit may be established at KVK farm for popularization among farmers.	Dr.P.P.Murugan, Director of Extension Education, TNAU, Coimbatore	Automatic Irrigation Demo Unit will be established at KVK in upcoming days
3.	Brochure on Government schemes in line departments may be prepared and disseminated during training programmes	Dr.P.P.Murugan, Director of Extension Education, TNAU, Coimbatore	The brochure preparation is in progress
4.	Exposure visit to ADAC & RI TAFE Unit & Farm women knowledge centre may be organized for the farmers and rural youth	Dr.P.P.Murugan, Director of Extension Education, TNAU, Coimbatore	The exposure visit will be organized during September 2024
5.	Seed production of green fodder may be done at KVK farm/farmers' fields and the seeds may be sold to the farmers as per the University norms	Dr.K.Subramaniyan, Director, Tamil Nadu Rice Research Institute, Aduthurai	Seed production of green fodder under farmers' participatory mode is in progress
6.	Brainstorming on paddy marketing strategies with Traders may be organized at KVK.	Dr.K.Subramaniyan, Director, Tamil Nadu Rice Research Institute, Aduthurai	The programme will be organized during August 2024
7.	Awareness may be created on TAFE, Centre of Excellence in Soil Health & Farm women knowledge Centre among farming community.	Dr.S.Vanniyarajan, Dean, ADAC & RI, Trichy	Awareness will be created through KVK programmes
8.	Hydroponics, Roof Garden and Nursery techniques may be promoted among farmers by utilizing the resources available at HC & RI, Trichy.	Dr.P.Paramaguru, Dean, HC & RI, Trichy	Promotion will be carried out in upcoming days
9.	Sensitization of Enriched FYM among the farmers through KVK training programmes.	Mr.M.Sakthivel, JDA, Trichy	Sensitization will be organized through training programmes

S.No.	Suggestions/Recommendations (bullet points)	Name of the SAC Member	Action Taken in brief
10.	Popularization of drought tolerant paddy varieties especially short duration varieties among farming community.	Dr.T.Alagu Nagendran, JDA, IMTI, Thuvakkudi	Popularization will be created through KVK programmes
11.	Feed supplements like TANUVAS GRAND, Salt lick and Mastiguard may be kept for sales in One Stop One Stop Sales Counter for the benefit of farming community.	Dr.V.Jayalalitha, Asst. Prof & Head, VUTRC, Trichy	Purchase of feed supplements for sales is in progress
12.	Training on drone spraying of organic inputs may be given to the FPOs.	Mrs.S.Kannammal, Farmer Representative	The training programme will be organized during October 2024
13.	Drip irrigation for paddy cultivation may be familiarized among the farmers.	Mr.S.Hari Krishnan, Farmer Representative	Drip irrigation for paddy cultivation will be familiarized through training and KVK programmes
14.	Information on KVK training programmes may be disseminated to farmers through All India Radio.	Mr.S.Johnson, Programme Executive, AIR, Trichy	Dissemination of KVK training programmes through All India Radio is in progress
15.	Aquaculture may be promoted among farming community.	Mr.M.Kumaresan, Assistant Director of Fisheries, Trichy	Promotion of Aquaculture is in progress
16.	Awareness on management of root knot nematode in Mulberry may be created through training programme.	Mr.N.Silambarasan, Assistant Inspector of Fisheries, Trichy	The training programme will be organized during October 2024
17.	Awareness on value added products from Banana may be done through training programmes.	Mrs.R.Kalavathi, Branch Manager, SIDCO, Trichy	Training on value added products from Banana will be carried out in the upcoming days
18.	Collaborative training programme with Lead Bank may be arranged to the rural youth for entrepreneurship development.	Mr.M.Murugesan, Lead District Manager, Trichy	The collaborative training will be organized during August 2024
19.	Information on Government schemes may be disseminated to farmers through KVK training programmes.	Mr.M.Murugesan, Lead District Manager, Trichy	Information on Government schemes are being disseminated through KVK programmes

S.No.	Suggestions/Recommendations (bullet points)	Name of the SAC Member	Action Taken in brief
20.	Farmers' friends group may be created and included in farmer database.	Mr.N.M.Mohan Karthick, DDM, NABARD	Creation of farmers friends group is in progress
21.	Drought tolerant Banana variety Cauvery Saba may be included in KVK OFT and FLD programmes.	Dr.M.Mayilvaganan, Principal Scientist, NRCB, Trichy	FLD on Drought tolerant Banana variety Cauvery Saba was proposed
22.	Awareness may be created on paddy varieties recommended for Kharif and Rabi season through training programmes.	Mr. N.Kiruba Shankar, Farmer Representative	Awareness will be created in the upcoming days
23.	Training programme on Collaboration with Agricultural Engineering department on E-Vadagai and handling of Agricultural farm machineries may be organized for the farmers.	Ms.R.Tamil Selvi, Assistant Engineer, Dept.of Agri. Engineering, Trichy	The training programme on agricultural farm machineries will be organized during August 2024

Proposed date/month of SAC Meeting to be held in 2024-25: December 2024

4.0 Capacity Building activities planned for KVK Staff

Annual training plan (ATP) to be prepared by each KVK for its HRD of 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.	Dr.C.Raja Babu	Training on Smart Digital Tools for Sustainable Agriculture	CRIDA, Hyderabad	10 days	15.10.2024 - 24.10.2024
2.	Dr.N.Punithavathi	Advanced seed production techniques in pulses	IIPR, Kanpur	5-10 days	November 2024
3.	Dr.M.Sakila	Winter school on organic farming for sustainable agriculture	MANAGE, Hyderabad	5	15 .11.2024 to 20.11.2024
4.	Dr D Janaki	Artificial Intelligence and mobile application in Agriculture	MANAGE, Hyderabad	5	December 2024
5.	Dr. R. Sheeba Jasmine	Multivariate Data Analysis Using R (On-line Mode)	NAARM, Hyderabad	5 days	22-07-2024-26-07-2024
6.	Dr. R. Sheeba Jasmine	Statistical Learning Techniques	NAARM, Hyderabad	10 days	18-11-2024-27-11-2024

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.	Seed Production in fodder crops	KVK, Karur, Perambalur	Livestock production and Management	KVK Namakkal
2.	Seed Production in fodder crops	KVK,Namakkal	Organic Input Production	KVK,Perambalur 1
3.	Bio-input production	KVK,Namakkal	Vermicompost production	KVK,Perambalur

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 *
Thuraiyur/ Uppliyapuram	Cotton	Lack of Knowledge on high yielding varieties/ hybrids	8350	Sikkathambur, Nagalapuram, Murugur, kamatchipuram and Eragudi	FLD & Training
Thuraiyur/ Uppliyapuram	Maize	Lack of high yielding varieties	80	Thuraiyur, Ammapatti, Keerambur, Maruvathur, Sellipalayam, T.Renganathapuram	FLD & Training
Thuraiyur/ Uppliyapuram	Paddy	Lack of awareness on new high yielding paddy variety and recent cultivation technologies	11165	Nettavelampatti, Thanga Nagar, Alathudaiyanpatti, Pachaperumalpatti, Alagapuri and R.Kombai	FLD & Training
Lalgudi, Andhanallur and Manachanallur	Black gram	Lack of awareness on seed treatment	4686	S.Pudukottai, Koppu, Kodiyalam, Peugamani	OFT & Training

District/ Taluk/ Block	Major crops & enterpr ises	Prioritized problems in these crops/ enterprise	Extent of area (ha/No.) affected	Names of cluster Villages identified for intervention	Proposed intervention *
Lalgudi, Andhanallur and Manachanallur	Black gram	Lack of awareness on high yielding varieties suitable for Rice fallow situation	4686	Valadi, Thirumangalam Jeeyapuram , Mullikarumbur	OFT & Training
Thuraiyur/ Uppliyapuram	Ground nut	Lack of awareness on high yielding varieties and recent cultivation techniques	4412	Valadi, Thirumangalam Jeeyapuram , Mullikarumbur	FLD & Training
Lalgudi	Paddy	Lodging of paddy crop is the problem faced by the farmer when there is a higher rainfall	5250	Sirumayangudi ,Sembarai, Thoppai Komagudi	FLD & Training
Lalgudi, Thuraiyur Musiri Uppliyapuram	Sunnhe mp and Dainch a	Lack of Green Manure	10000	Sembarai Sikkathambur Veeramachampatt i Perur, Vazhavanthi Venkatachalapuram	Training
Musiri	Paddy	Lack of high yielding Medium slender grain similar to Ponni for Trichy district	100	Thiruthalaiyur ,Sithampur , Kallur (Musiri block)	OFT and Training
Lalgudi and Musiri	Paddy	Lack of short duration Rice variety for idli making and also for alternative to CR 1009	200	Gunaseelam, Amoor, Ayyampalayam, Manakkal, Neikuppai ,Komakudi ,Sembarai ,Nerunjalakudi	FLD and Training
Lalgudi and Manikandam	Paddy	Lack of seed production in fine grain varieties	500	Neikuppai ,Komakudi ,Sembarai , Nerunjalakudi Navalur Kuttappattu	FLD and Training

District/ Taluk/ Block	Major crops & enterpr ises	Prioritized problems in these crops/ enterprise	Extent of area (ha/No.) affected	Names of cluster Villages identified for intervention	Proposed intervention *
Musiri and Andhanallur	Finger Millet	Lack of Organic Production Technology for Finger Millet	50	Neiveli Aryampatti Perur	OFT and Training
Uppliyapuram and Musiri	Maize	Lack of INM practice in Maize	1000	Venkatachalapuram Sikkathambur, (Neyveli	OFT and Training
Lalgudi and Manikandam Uppilliyapuram	Paddy	Lack of foliar application of TNAU rice reap for Kuruvai rice crop	1000	Sembari , Allithurai Nettavalampatti,	OFT and Training
Thathayangar Pettai	Ground nut	Lack of INM Practice in Groundnut	500	Arachi, Paithamparai ,T,Pudupatti,	OFT and Training
Lalgudi, Musiri , Andhanallur	Paddy	Lack of the photo insensitive traditional varieties	100	Gunaseelam, Amoor, Sembarai, Ayyampalayam, Manakkal, Neikuppai, Komakudi,Pulivalam Nerunjalakudi	FLD and Training
Manikandam	Paddy	Salt tolerant paddy varieties	5250	Poongudi, Aravakudi	FLD & Training
Musiri	Black gram	Drought is a major issue	200	Neyveli, Vathalai	OFT and training
Musiri and Anthanallur	Blackgram	Organic production in pulses	100	S. Pudukottai, Kodiyalam, Allur	OFT and training
Thuraiyur and Anthanallur	Paddy	Nano fertilizer formulation		Venkatachalapuram, Koppu, S. Pudukottai, Melariyamaptti	OFT and training
Uppliyapuram and Musiri	Maize	Lack of INM practice in Maize	1000	Venkatachalapuram Sikkathambur, Neiveli , Vathalai	OFT and Training
Lalgudi and Manikandam Uppilliyapuram	Paddy	Lack of foliar application of TNAU rice reap for Kuruvai rice crop	1000	Sembarai , Allithurai Nettavalampatti,	OFT and Training

District/ Taluk/ Block	Major crops & enterpr ises	Prioritized problems in these crops/ enterprise	Extent of area (ha/No.) affected	Names of cluster Villages identified for intervention	Proposed intervention *
Thathayangar Pettai	Ground nut	Lack of INM Practice in Groundnut	500	Arachi, Paithamparai ,T,Pudupatti	OFT and Training
Upliyapuram, Thuraiyur	Cotton	Lack of ICM in cotton	-	Sikathambur Pachaperumalpatti	FLD and training
Manapparai	Brinjal	Low yield due to pest and diseases	439	Manapparai	OFT, FLD Training & Extension activities
Musiri	Ground nut Cotton Chilli	Low yield due to pest and diseases	4412	Neiveli, Kamatchipatti Thiruthalayur, Muthayanallur	OFT, FLD Training & Extension activities
Andhanallur	Jasmine Coconut	Low yield due to pest and diseases	588	Sirugamani, S.Pudukottai Koppu Podavur	FLD Training & Extension activities
Thuraiyur	Mulberry	Low yield due to pest and diseases	11165	Kombaipudur	FLD, Training &Extension activities

*(OFT/ FLD/ Training/ Field day/ Method demonstrations/ Awareness camp)

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*
Musiri	Thiruthalaiyur	Paddy	Chaffy grains	FLD & Training
		Banana	Low yield due to pest and diseases	FLD & Training
Andhanallur	Koppu	Flower crops	Nutrient management, new varieties	Training & Awareness camp
		Groundnut	High yielding varieties, Low yield due to pest and diseases	OFT, FLD & Training

District/Taluk/ Block	Name of cluster villages	Major crops & Enterprises	Major problems identified in each crop/enterprise	Proposed type of interventions*
Thottiyam	Varadharajapuram	Cotton	Nutrient deficiency	OFT & Training
		Maize	Lack of awareness on high yielding varieties, Fall Army Worm infestation	FLD & Training

*(OFT/ FLD/ Training/ Field day/ Method demonstrations/ Awareness camp)

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
Lalgudi	Thinniyam	Paddy	Lack of knowledge on ne high yielding varieties	FLD, Training & Awareness camp
		Brinjal	Low yield due to pest and diseases	OFT & Training
Manikandam	Navalur	Paddy	Salinity soil type, Chaffy paddy grains	FLD & Training

*(OFT/ FLD/ Training/ Field day/ Method demonstrations/ Awareness camp)

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

S.No.	Activities	Target
1. On- farm trials		
	a. No of OFTs	17
	b. No of Technologies (Total new technologies except FP)	34
	c. No. of locations (No. of Villages)	20
	d. No. of Beneficiaries (No. of Farmers fields)	75
	e. Area (Total area in ha)	16.2
2. Frontline Demonstrations		
	a. No. of FLDs	26
	b. No. of Locations (No of villages)	42
	c. No. of Beneficiaries (No of Farmers fields)	260
	d. Area (Total Area planned in ha)	69.6
3. Trainings for Farmers and Farm Women		
	a. No. of programmes	75
	b. No. of participants	2500

S.No.	Activities	Target
4. Trainings for Rural Youth		
	a. No. of programmes	10
	b. No. of participants	250
5. Trainings of Extension Personnel		
	a. No. of programmes	6
	b. No. of participants	150
6. Extension Activities		
	No. of activities	1189
	No. of participants	114055
7. Production of seed (in quintals)		55.1 q
Paddy seeds- 40 q		
Black gram seeds-5.0 q		
Green manure seeds-10 q		
Velimasal seeds-0.1		
8. Production of planting materials (in Nos.)		7500 Nos.
Vegetable seedlings - 2000 nos		
Ornamental and medicinal seedlings-2000 nos		
Fodder slips - 2000 nos		
Coconut Seedlings - 1000 nos		
Forest seedlings – 500 nos		
9. Production of live-stock strains and finger lings		550 Nos.
Tellicherry goat - 25 nos		
Sheep - 25 nos		
Poultry - 500 nos		
Egg hatchery -250 nos		
Fish-25 kg		
Egg-100 nos		
Milk-1500 lit		
10. Production of bio inputs (q)		60 q
Vermicompost- 50 q		
Coir compost- 10 q		
11. Production of other inputs		280 kg
Azolla - 100 kg		
Oyster Mushroom - 50 kg		
Honey - 5 kg		
Value added products - 25 kg		
Fruits &Vegetables - 100 kg		
Custom hiring of farm implements - 50 days		
12. Kisan mobile advisories		
	No. of messages	50
	No. of technologies	45
	No. of farmers	100000

S.No.	Activities	Target
Other mobile advisories		
	No. of messages	300
	No. of technologies	80
	No. of farmers	3000
13. Soil testing		
	No. of soil sample testing using Mobile Soil Testing Kit	-
	No. of soil sample testing in conventional laboratory	250
Water sample Testing (samples in No.)		100
Soil Health Cards		
	No. of Cards using Mobile Soil Testing Kit data	-
	No. of Cards using Laboratory data	250

8. Technology Assessments 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.	Paddy	Assessment of high yielding Medium slender grain similar to Ponni for Trichy district	TO-1 Rice KKM 1	TO-1 VOC AC RI Killikulam	New	3	4500	SMS (PBG) , Dr.C.Raja Babu ,SMS (SS&AC)	1	2
			TO-2 BPT 2846	TO-2 Bapatla, ANGRAU						
			FP BPT 5204 /I,W ponni							
2.	Paddy	Assessing the performance of Nano DAP nutrient sprays in Paddy	TO-1 Foliar spray of IFFCO Nano DAP @ 2 to 4 ml per lit of water (500 ml /ac) at critical stages of crop	TO-1 IFFCO, 2023 TO-2 TNAU, CPG, 2020	New	5	10000	SMS (SS&AC) SMS (PBG) , Dr.C.Raja Babu	1	2
			TO-2 Blanket recommendation of P:50 kg/ha (108 kg of DAP) as basal application							
			FP Basal application of Complex fertilizers							

S. No.	Crop/enter prise	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
3	Maize	Assessment of INM in Maize for Tiruchirappalli District	TO-1 Bio NPK liquid biofertilizer	TO-1 IIMR /AAU, Anand	New	3	45000	SMS (PBG) , Dr.C.Raja Babu ,SMS (SS&AC)	1	2
			Maize Mixture Maize Maxim	TO-2 TNAU, 2019						
			FP - NPK							
4.	Finger millet	Assessment of Organic Production Technology for Finger Millet for Tiruchirappalli District	TO-1 NCOF Bio Enhancer /CISH Bio Enhancer	TO-1 NCOF /CISH	New	3	9000	SMS (PBG) , Dr.C.Raja Babu ,SMS (SS&AC)	1	2
			TO-2 TNAU Panchakavya	TO-2 TNAU, 2019						
			FP N							
5	Black gram	Assessment blackgram variety suitable for rice fallow pulses in Trichy district	TO1: ADT 7	TNAU;2022	Continuation	5	12500	SMS (SST), SMS(PBG) SMS(SS&AC & PC	1	1
			TO2: Vamban 9	TNAU, 2019						
			FP: Traditional varieties without nutrient mixture application							
6	Black gram	Assessment of nodule associated plant	TO-1 Seed inoculation with plant probiotics @ 125 ml /ha of seed and	TO-1 TNAU 2024	New	5	15000	SMS (SS&AC) SMS (PBG)	1	2

S. No.	Crop/enter prise	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
		probiotics in blackgram for drought mitigation	mycorrhizal fungal spore at 1 gram /kg of seed + rhizobium @ 200g/ha of seed					and Dr.C.Raja Babu		
			TO-2 PPFM seed treatment @ 200g/10 kg	TO-2 Bapatla ,2020						
			FP Without seed inoculants for drought mitigation							
7	Black gram	Assessment of TNAU Bio Meemix to enhance the productivity of black gram	TO-1 STCR + Foliar spray of bioplus at flowering stage and another at 15 days interval	TO-1 NBAIM,2020	New	3	15000	SMS (SS&AC) SMS (PBG) Dr.C.Raja Babu	1	2
			TO-2 STCR + Foliar application of TNAU Bio Meemix @2% at flowering stage and another at 15 days interval	TO-2 TNAU, 2023						
			FP No application of crop boosters							

S. No.	Crop/enter prise	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
8	Groundnut	Assessment of INM in Groundnut for Tiruchirappalli District	TO-1 Novel organic liquid nutrient	TO-1 NAU, Gujarat 2012	New	3	15000	SMS (PBG) , Dr.C.Raja Babu ,SMS (SS&AC)	1	2
			TO-2 Groundnut Rich	TO-2 TNAU, 2018						
			FP NPK							
9	groundnut	Assessment of microbial consortia for the management of soil-borne diseases in groundnut	Seed treatment with <i>Trichoderma asperellum</i> (4.0 g/kg) + <i>Bacillus subtilis</i> (10 g/kg) Soil application of <i>Trichoderma asperellum</i> (2.5 kg/ha) + <i>Bacillus subtilis</i> (2.5 kg/ha) at last ploughing Soil application of <i>T. asperellum</i> (2.5 kg/ha) + <i>B. subtilis</i> (2.5 kg/ha) at 20-25 DAS	TNAU 2022	New	5	10000	SMS (PP), SMS (PBG)& PC	-	1
			Seed treatment with Arka microbial consortium (10 g/kg) Soil application of Arka microbial consortium (2.5 kg/ha) at last ploughing	IIHR ,2017						

S. No.	Crop/enter prise	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
			Soil application of Arka microbial consortium (2.5 kg/ha) at 20-25 DAS							
			FP: Indiscriminate use of pesticides							
10	Groundnut	Assessment of IPM capsule for leaf miner management in groundnut	Application of neem cake @ 250 kg/ha; Installation of light trap @ 1/ha; Monitoring with pheromone trap @ 12/ha; Spraying of Metarhizium anisopliae @ 4g/lit (CFU 108 / ml) Need based application of Azadirachtin 1% @ 1.5 ml/lit; Need based application of Novaluron 10 EC @ 2 ml / lit.	TNAU 2020	New	5	17500	SMS (PP), SMS (SS)& PC	-	1
			Single foliar spray of Profenophos 50EC @ 1000 mL/ha or Spinosad 45SC @ 150 mL/ha or	DGR, Junagadh 2020						

S. No.	Crop/enter prise	Title of intervention	Technological options TO-1 TO-2 FP	Source of Technology TO-1 TO-2	Status *	No. of trials (replications)	Total cost involved (Rs.)	Team members involved	No. of trials targeted in DFI village(s)	No. of trials targeted under SC-SP
			Flubendiamide 39.35SC @ 75-100 mL/ha or Quinalphos 25EC @ 1000 mL/ha FP:Indiscriminate use of pesticides							
11	Groundnut	Assessment of high yielding groundnut variety suitable for Trichy District	TO1: VRI 10 TO2 TCGS1694 FP: VRI 2 and Local varieties	TNAU, 2022 ANGRU 2024	New	5	14000	SMS (SST), SMS(PBG) SMS(SS&AC & PC		
12	Groundnut	Assessment of Bactogypsum and Bentonite Sulphur application in groundnut	TO-1 Bentonite Sulphur TO-2 Bactogypsum FP Commercial Gypsum	TO-1 TNAU,2023 TO-2 IISR,2023	New	5	10000	SMS (SS&AC) SMS (PBG) Dr.C.Raja Babu	1	2
13	Cotton	Assessment of IPM modules against sucking pest complex in Cotton	Seed treatment with Beauveria bassiana @ 10 g/kg of seed +Soil application of neem cake @ 250 kg/ha Yellow sticky trap @ 100	TNAU, 2022	II Year	5	18000	SMS (PP), SMS (SST)& PC	-	1


S. No.	Crop/enter prise	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
			nos./ha Release of green lacewing @ 1 lakh eggs/ha at 30 DAS Need based spray of azadirachtin 1% EC @ 1000 ml/ha Need based spraying of diafenthiuron 50% WP @ 600 g/ha or thiamethoxam 25% WG @ 100g/ha							
			Installation of Yellow sticky trap @ 8/acre Maize as border crop Spray NSKE 5 % Spray Neem oil 5 ml Spray Verticillium lecanii 10gm/l Need based spraying of Flonicamid 50 WG 4g/10litre of water	CICR 2019						
			FP:Indiscriminate use of pesticides							
14	Tomato	Assessment of Tomato hybrids Co4 and Arka	TNAU Tomato hybrid Co4	TNAU-SVRC-2022	New OFT	5	20000	SMS (Hort.), & PC	2	1


S. No.	Crop/enter prise	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
		Aditya for higher yield and productivity in Trichy district	Arka Aditya	ICAR-IIHR-2020						
			Local variety							
15	Brinjal	Assessment of productivity of grafted Brinjal using different Solanum species as rootstocks (<i>Solanum melongena</i> L. var PLR 2)	Grafted brinjal (PLR 2) using Arka Neelkant as rootstock	IIHR, 2021	NEW OFT	5	15,000	SMS (Hort.), & PC	2	1
			Grafted brinjal (PLR 2) using <i>Solanum torvum</i> Sw. as rootstock	TNAU, 2015						
			Brinjal Seedlings							
16	Brinjal	Assessment of IPM practices for Brinjal shoot and fruit borer	Install pheromone trap@12/ha Remove the affected terminal shoot showing boreholes. Remove the affected fruits and destroy. Spray Neem Seed Kernel Extract 5 % Spray of any one of the insecticides based on Economic threshold Ø Emamectin benzoate 5% SG 4g/10 lit,	TNAU 2022	New	5	16000	SMS (PP), SMS (Hort)& PC	-	1

S. No.	Crop/enter prise	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
			Dimethoate 30% EC 7ml/10 lit, Flubendamide 20 WDG 7.5g/10 lit and Thiodicarb 75% WP 2g/lit							
			Pheromone traps @ 1 for 400 sq. m., Weekly release of 50,000 to 60,000 Trichogramma chilonis, Two sprays of Bacillus thuringiensis @1ml/l at 10 days interval at peak flowering stage	IIHR, 2022						
			FP:Indiscriminate use of pesticides							
17	Ridge Gourd	Assessment of Ridge gourd varieties MDU-1 and Arka Prasan for higher yield and productivity in Trichy District	MDU 1	TNAU-SVRC - 2023		5	20,000	SMS (Hort.), & PC	2	1
			Arka Prasan	ICAR- IIHR - 2016						
			Normal Variety							



* New OFT/2nd year/3rd year


8.2. Details of OFTs 2024-25


OFT No.	1
Status (New proposal/2 nd year /3 rd year)	New
Subject,	Plant Breeding and Genetics
Theme	Varietal evaluation
Category (if applicable)	Cereal
Crop/ enterprise	Rice
Farming situation	East ghat (TN upland) ,hot semi arid ecosytem 8.3, Clay loam,Sandy clay loam,
Prioritized problem (short)	Lodging of paddy crop is the problem faced by the farmer when there is a higher rainfall
Title of the OFT	Assessment of high yielding Medium slender grain similar to Ponni for Trichy district
Technology options	
TO-1	Rice KKM 1
Source and year	TNAU 2023
Description (short)	Duration: 120 days.Medium slender grain similar to Ponni .Semi Dwarf,Moderately resistant to Stem borer, Leaf folder.Moderately resistant to Blast, Sheath Blight, Bacterial Leaf Blight (BLB)
Potential yield/income	Yield: 6102 kg/ha
Critical Inputs	Seed
Source of Inputs	VOC AC RI Killikulam
Photos	
TO-2	BPT 2846
Source and year	Bapatla ,ANGRAU
Description (short)	Quality: Fine rice grain,Crop Duration: 140 - 145 Days Growing season: Kharif
Potential yield/income	Yield: 6002 kg/ha
Critical inputs& quantity and cost	Seed -48 kg / 3 acre Rs 4800
Source of Inputs	KVK

Photos	
Farmers Practice	BPT 5204 /I,W ponni
Farmers yield	5500 Kg/ha
Season	Rabi 2024
Cost per replication (Rs.)	1500
No. of replications	3
Total cost for the OFT	4500
Parameters to be studied	Grain yield, pest and disease incidences, irrigation requirement, growth parameters, gross cost, gross income, net income, BCR
Parameters to be reported	Grain yield, gross expenditure, gross income, net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK-Main
Team members	SMS (PBG) , Dr.C.Raja Babu ,SMS (SS&AC)



OFT No.	2
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject	Soil science
Theme	Crop Production and Management
Category (if applicable)	Cereals
Crop/ enterprise	Paddy
Farming situation	Clay loam,Sandy clay loam
Prioritized problem (short)	Paddy application of DAP is a common practice. Nowadays farmers are advocated for nano DAP spray at critical stages for increasing the grain yield and bold seed. Hence the performance of nano DAP in farmers field is important.
Title of the OFT	Assessing the performance of Nano DAP nutrient sprays in Paddy
Technology options	
TO-1	Foliar spray of IFFCO Nano DAP @ 2 to 4 ml per lit of water (500 ml /ac) at critical stages of crop (one at vegetative state - 4-5 weeks after crop sown/ transplant and

	other before flowering stage of the crop
Source and year	IFFCO, 2023
Description (short)	Nano DAP @ 2 to 4 ml per lit of water (500 ml /ac) at critical stages of crop (one at vegetative state - 4-5 weeks after crop sown/ transplant
Potential yield/income	6 t/ha
Critical Inputs	Nano DAP
Source of Inputs	IFFCO, 2023
Photos	
TO-2	Blanket recommendation of P:50 kg/ha (108 kg of DAP) as basal application
Source and year	TNAU, 2020
Description (short)	Application of DAP @50 kg/ha as basal application
Potential yield/income	5t/ha
Critical inputs& quantity and cost	Nano DAP – 108 kg /ha Rs 1500/- Ordinary DAP@50kg/ha –Rs.500-
Source of Inputs	KVK
Photos	
Farmers Practice	Basal application of Super phosphate
Farmers yield	5t/ha
Season	Rabi
Cost per replication (Rs.)	Rs.2000
No. of replications	5
Total cost for the OFT	.Rs.10000
Parameters to be studied	Grain yield, pest and disease incidences, irrigation requirement, growth parameters, gross cost, gross income, net income, BCR
Parameters to be reported	Grain yield, gross expenditure, gross income, net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	,SMS (SS&AC) , SMS (PBG) and Dr.C.Raja Babu


OFT No.	3
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject,	Soil science
Theme	Crop Production and Management
Category (if applicable)	Major millets
Crop/ enterprise	Maize
Farming situation	Clay loam,Sandy clay loam
Prioritized problem (short)	Maize (Zea mays L.) major cereal crop in Trichy because of the increasing market price and high production potential of hybrid varieties in both irrigated as well as rainfed conditions For increasing the profitability of maize in only economic view, farmers are cultivating the crop intensively with the huge use of chemical fertilizers, pesticides, weedicides, lead to over exploitation of land and soil pollution caused by high application rates of fertilizers and pesticide application
Title of the OFT	Assessment of INM in Maize for Tiruchirappalli District
Technology options	
TO-1	1.Azatobacter/Azospirillum with PSB and NPK consortia
Source and year	ICAR - Indian Institute of Maize Research/ AAU, Anand
Description (short)	Azatobacter/Azospirillum with PSB and NPK consortia for seed treatment @ 200 g/acre or liquid formulation @ 100 ml/acre.
Potential yield/income	50 qtl/ha
Critical Inputs	Bio NPK liquid biofertilizer
Source of Inputs	IIMR /AAU, Anand
Photos	
TO-2	Maize Mixture Maize Maxim
Source and year	TNAU, 2019
Description (short)	Maize Mixture:Rainfed 3 kg /acre :irrigated 12 kg /acre mixed with FYM in 10 parts Maize Maxim :6 kg/acre -two times
Potential yield/income	52 qtl/ha
Critical inputs&	Bio NPK liquid biofertilizer ,100 ml/acre ,Rs 100/-

quantity and cost	Maize Mixture 12 kg /acre Rs 9444/- Maize Maxim: 6 kg/acre, Rs 2360/-
Source of Inputs	.KVK
Photos	
Farmers Practice	NPK Fertilizer
Farmers yield	40 q/ha
Season	Rabi 2024
Cost per replication (Rs.)	Rs.15000
No. of replications	3
Total cost for the OFT	.Rs. 45000
Parameters to be studied	Grain yield, pest and disease incidences, irrigation requirement, growth parameters, gross cost, gross income, net income, BCR
Parameters to be reported	Grain yield, gross expenditure, gross income, net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (PBG) , Dr.C.Raja Babu ,SMS (SS&AC)

OFT No.	4
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject,	Soil science
Theme	Crop Production and Management
Category (if applicable)	Minor millets
Crop/ enterprise	Finger millet
Farming situation	Clay loam, Sandy clay loam
Prioritized problem (short)	Finger millet crop is the nutrient rich crop ,The baby weaning food should not contain any residues but now a days all food crop is raised with heavy fertilizer dose. Hence promoting this technology helping the society for healthy food consumption
Title of the OFT	Assessment of Organic Production Technology for Finger Millet for Tiruchirappalli District

Technology options	
TO-1	NCOF Bio Enhancer /CISH Bio Enhancer
Source and year	National Centre of Organic Farming (NCOF), Ghaziabad 2021 /Central Institute for Subtropical Horticulture, Rehmankhera, Lucknow,
Description (short)	Bio Enhancer Foliar application of bio enhancer in 2 times (35 DAS and 50 DAS)
Potential yield/income	20 - 25 qtl/ha
Critical Inputs	Bio Enhancer
Source of Inputs	NCOF /CISH
Photos	
TO-2	TNAU Panchakavya
Source and year	TNAU, 2019
Description (short)	TNAU Panchakavya Foliar application of 3% panchakavya on 30, 45 and 60 DAS
Potential yield/income	20 - 22 qtl/ha
Critical inputs& quantity and cost	CISH Bio Enhancer -6 litre in 200 litres of water per acre Rs 500/- TNAU Panchakavya -6 litre panchagavya in 200 litres of water per acre Rs 600/-
Source of Inputs	.KVK
Photos	
Farmers Practice	N Fertilizer
Farmers yield	16 q/ha
Season	Rabi /Summer 2025
Cost per replication (Rs.)	Rs.3000
No. of replications	3
Total cost for the OFT	.Rs. 9000
Parameters to be studied	Grain yield, pest and disease incidences, irrigation


	requirement, growth parameters, gross cost, gross income, net income, BCR
Parameters to be reported	Grain yield, gross expenditure, gross income, net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (PBG) , Dr.C.Raja Babu ,SMS (SS&AC)


OFT No.	5
Status (New proposal/2 nd year /3 rd year)	2 nd Year
Subject,	Seed Science and Technology
Title of the OFT	Assessment blackgram variety suitable for rice fallow pulses in Trichy district
Technology options	
TO-1	ADT 7
Source and year	TNAU;2022
Description (short)	It is mutant of ADT 3, with duration of 65 – 70 days. The average yield of the culture is 724 kg/ha.
Potential yield/income	7.2 q/ha
Critical Inputs	Seed (8 kg) Pulse wonder (2Kg)
Source of Inputs	KVK
Photos	
TO-2	VBN 9
Source and year	TNAU;2019
Description (short)	Parentage: Mash 114 x Vamban 3 Duration: 70-75 days Moderately resistant to Mungbean Yellow Mosaic Virus, Urdben Leaf Crinkle Virus, Leaf Curl Virus and Powdery mildew diseases.
Potential yield/income	1230 kg/ha
Critical inputs& quantity and cost	Seeds (8kg/acre) and Pulse wonder (2kg/ac

Source of Inputs	TNAU
Photos	
Farmers Practice	ADT 3
Farmers yield	6.5 q/ha
Season	Rice-fallow
Cost per replication (Rs.)	Rs 2500
No. of replications	5
Total cost for the OFT	Rs 12500
Parameters to be studied	Yield and Economics
Parameters to be reported	Yield and Economics
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (SST) SMS (PBG),SMS (SS&AC) and PC



OFT No.	6
Status (New proposal/2 nd year /3 rd year)	New
Subject,	Soil Science and Agricultural Chemistry
Theme	Cop production and management
Category (if applicable)	Pulses
Crop/ enterprise	Black gram
Farming situation	Clay loam,Sandy clay loam,
Prioritized problem (short)	The nodule-associated plant-growth promoting yeast, <i>Candida tropicalis</i> VYW1, and bacterium, <i>Paenibacillus taichungensis</i> TNEB6 were developed as co-inoculants with <i>Rhizobium</i> and mycorrhiza for enhancing growth and yield of blackgram. Seed inoculation of these three inoculants at 125 ml /ha of seed and mycorrhizal fungal spore at 1 gram per kg had been standardized as inoculant technology. These co-inoculants can survive under drought conditions and produce several plant growth hormones and drought mitigating molecules.
Title of the OFT	Assessment of nodule associated plant probiotics in blackgram for drought mitigation
Technology options	
TO-1	Seed inoculation with plant probiotics @ 125 ml /ha of seed and mycorrhizal fungal spore at 1 gram /kg of seed +


	rhizobium @ 200g/ha of seed
Source and year	TNAU 2022
Description (short)	These co-inoculants can survive under drought conditions and produce several plant growth hormones and drought mitigating molecules. These plant probiotic strains enhance the rhizobial nodulation and occupancy, nutrient uptake, plant growth promotion and conferred drought mitigation. The application of these plant probiotic strains along with rhizobium and mycorrhiza enhanced 14% higher yield than recommended biofertilizer application in blackgram
Potential yield/income	Yield: 900 kg/ha
Critical Inputs	Probiotics
Source of Inputs	Dept. of Microbiology, TNAU, Coimbatore
Photos	
TO-2	PPFM seed treatment @ 200g/10 kg
Source and year	TNAU, 2020
Description (short)	
Potential yield/income	Yield: 800 kg/ha
Critical inputs & quantity and cost	Seed -60 kg / 3 acre Rs 5000
Source of Inputs	KVK
Photos	
Farmers Practice	Without seed inoculants for drought mitigation
Farmers yield	700 Kg/ha
Season	Rabi 2024
Cost per replication (Rs.)	5000
No. of replications	3
Total cost for the OFT	15000
Parameters to be studied	Pod yield, pest and disease incidences, irrigation requirement, growth parameters, BCR
Parameters to be reported	Grain yield, gross expenditure, gross income, net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK-Main
Team members	SMS (SS&AC), SMS (PBG) and Dr.C.Raja Babu ,

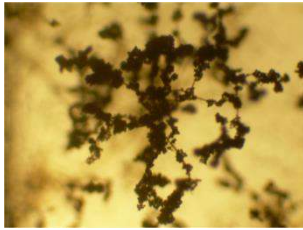
OFT No.	7
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject,	Soil science
Theme	Crop Production and Management
Category (if applicable)	Pulses
Crop/ enterprise	Blackgram
Farming situation	Clay loam, Sandy clay loam
Prioritized problem (short)	Low blackgram yield are the use of low yield potential varieties, poor soil fertility and nutrient management. Blackgram performs better in terms of yield and quality under optimum nutrient management with organic nutrient management
Title of the OFT	Assessment of TNAU Bio Meemix to enhance the productivity of black gram
Technology options	
TO-1	STCR + Foliar application of TNAU Bio Meemix @2% at flowering stage and another at 15 days interval
Source and year	TNAU 2023
Description (short)	Foliar Nutrition of Novel organic liquid nutrient -2ml/litre – 2 times spraying (25 th & 40 th DAS)
Potential yield/income	900kg/ha
Critical Inputs	Novel organic liquid
Source of Inputs	NOFRC, TNAU,Cbe
Photos	
TO-2	STCR + Foliar spray of bioplus at flowering stage and another at 15 days interval
Source and year	NBIAM,2020
Description (short)	Foliar Nutrition of Bioplus - 2 sprays at (50 per cent flowering) and 15 days after first spray
Potential yield/income	800kg/ha
Critical inputs& quantity and cost	Biomeemix Rs 2000/- Bioplus- Rs 1000/-
Source of Inputs	KVK-Main
Photos	

	
Farmers Practice	No Application of crop boosters
Farmers yield	600 kg/ha
Season	Rabi 2024
Cost per replication (Rs.)	Rs.5000
No. of replications	3
Total cost for the OFT	.Rs. 15000
Parameters to be studied	Pod yield, pest and disease incidences, irrigation requirement, growth parameters, gross cost, gross income, net income, BCR
Parameters to be reported	Pod yield, gross expenditure, gross income, net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (SS&AC), SMS (PBG) and Dr.C.Raja Babu ,


OFT No.	8
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject,	Soil science
Theme	Crop Production and Management
Category (if applicable)	Oil Seeds
Crop/ enterprise	Groundnut
Farming situation	Clay loam,Sandy clay loam
Prioritized problem (short)	Low groundnut yield are the use of low yield potential varieties, poor soil fertility and nutrient management. Groundnut performs better in terms of yield and quality when good cultivars are sown under optimum nutrient management coupled with organic and inorganic nutrient management
Title of the OFT	Assessment of INM in Groundnut for Tiruchirappalli District
Technology options	
TO-1	Novel organic liquid nutrient
Source and year	NAU, Gujarat 2012
Description (short)	Foliar Nutrition of Novel organic liquid nutrient -2ml/litre – 2 times spraying

	(25 th & 40 th DAS)
Potential yield/income	23.60 q/ha
Critical Inputs	Novel organic liquid
Source of Inputs	NAU, Gujarat 2020
Photos	
TO-2	Groundnut Rich
Source and year	TNAU, 2018
Description (short)	Foliar Nutrition of Groundnut Rich - 2 sprays of TNAU groundnut rich @ 5.0 kg/ha (for each spray) at 35 DAS (50 per cent flowering) and 45 DAS (Pod developing stage)
Potential yield/income	37 to 43 q/ha
Critical inputs& quantity and cost	Novel Organic Liquid (1200 ml) Rs 1200 /- Groundnut Rich , 4 kg / acre Rs 1635 Rhizobium and Phosphobacteria, (Rs 225) Soil application : 2.4 kg/hectare
Source of Inputs	.KVK
Photos	
Farmers Practice	VRI 2/local variety
Farmers yield	16 q/ha
Season	Rabi 2024
Cost per replication (Rs.)	Rs.5000
No. of replications	3
Total cost for the OFT	.Rs. 15000
Parameters to be studied	Pod yield, pest and disease incidences, irrigation requirement, growth parameters, gross cost, gross income, net income, BCR
Parameters to be reported	Pod yield, gross expenditure, gross income, net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (PBG) , Dr.C.Raja Babu ,SMS (SS&AC)

OFT No.	9
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject,	Plant Pathology
Theme	Plant Protection
Category (if applicable)	Integrated Disease management
Crop/ enterprise	Groundnut
Farming situation	Red loamy soil
Prioritized problem (short)	Groundnut is cultivated in 8674 ha in the district. Crop is infected with dry root rot, stem rot, late leaf spot and rust diseases. The yield level is also low. Indiscriminate application of pesticides poses serious problem of pesticide residue, high cost of plant protection and pest resistance
Title of the OFT	Assessment of microbial consortia for the management of soil-borne diseases in groundnut
Technology options	
TO-1	
Source and year	TNAU 2022
Description (short)	<ol style="list-style-type: none"> 1. Seed treatment with <i>Trichoderma asperellum</i> (4.0 g/kg) + <i>Bacillus subtilis</i> (10 g/kg) 2. Soil application of <i>Trichoderma asperellum</i> (2.5 kg/ha) + <i>Bacillus subtilis</i> (2.5 kg/ha) at last ploughing 3. Soil application of <i>T. asperellum</i> (2.5 kg/ha) + <i>B. subtilis</i> (2.5 kg/ha) at 20-25 DAS
Potential pest and disease reduction in %	50% reduction
Critical Inputs	carbendazim, <i>Trichoderma</i> viride
Source of Inputs	TNAU, Dealers
Photos	
TO-2	
Source and year	IIHR ,2017
Description (short)	<ul style="list-style-type: none"> • Seed treatment with Arka microbial consortium (10 g/kg) • Soil application of Arka microbial consortium (2.5 kg/ha) at last ploughing • Soil application of Arka microbial consortium (2.5 kg/ha) at 20-25 DAS


Potential pest and disease reduction in % or percentage yield increase	45%
Critical inputs & quantity and cost	Tebuconazole, T. asperellum
Source of Inputs	TNAU
Photos	
Farmers Practice	Fungicide application
Farmers yield	1 t/ha
Season	<i>Kharif</i> 2024
Cost per replication (Rs.)	2000
No. of replications	5
Total cost for the OFT	Rs.10000
Parameters to be studied	Disease incidence, Yield, BCR
Parameters to be reported	Disease incidence, Yield, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (PP), SMS(PBG) and PC

OFT No.	10
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject,	Plant protection
Theme	IPM
Category (if applicable)	Integrated Pest management
Crop/ enterprise	Groundnut
Farming situation	Red loamy soil
Prioritized problem (short)	Groundnut is cultivated in 8674 ha in the district. Crop is infested with leaf miner, defoliator, pod borer and whitegrub. Indiscriminate application Of pesticides poses serious problem of pesticide residue, high cost of plant protection and pest resistance
Title of the OFT	Assessment of IPM capsule for leaf miner management in groundnut


Technology options	
TO-1	
Source and year	TNAU 2020
Description (short)	Application of neem cake @ 250 kg/ha; Installation of light trap @ 1/ha; Monitoring with pheromone trap @12/ha; Spraying of Metarhizium anisopliae @ 4g/lit (CFU 108 / ml); Need based application of Azadirachtin 1% @ 1.5 ml/lit; Need based application of Novaluron 10 EC @ 2 ml / lit.
Potential pest and disease reduction in %	50% reduction
Critical Inputs	light trap, pheromone trap, Metarhizium anisopliae
Source of Inputs	TNAU, Dealers
Photos	
TO-2	
Source and year	DGR, Junagadh 2020
Description (short)	Single foliar spray of Profenophos 50EC @ 1000 mL/ha or Spinosad 45SC @ 150 mL/ha or Flubendiamide 39.35SC @ 75-100 mL/ha or Quinalphos 25EC @ 1000 mL/ha
Potential pest and disease reduction in % or percentage yield increase	45%
Critical inputs & quantity and cost	Spinosad 45SC , Flubendiamide
Source of Inputs	Dealers
Farmers Practice	Insecticide application
Farmers yield	1 t/ha
Season	<i>Kharif</i> 2024


Cost per replication (Rs.)	3500
No. of replications	5
Total cost for the OFT	Rs.17500
Parameters to be studied	Disease incidence, Yield, BCR
Parameters to be reported	Disease incidence, Yield, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (PP), SMS(SS) and PC

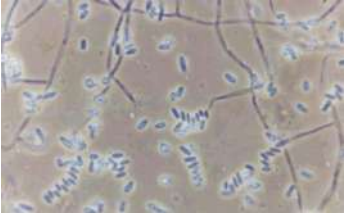
OFT No.	11
Status (New proposal/2 nd year /3 rd year)	New
Subject,	Agriculture
Theme	Varietal evaluation
Category (if applicable)	Oilseeds
Crop/ enterprise	Groundnut
Farming situation	Borewell, Irrigated, upland
Prioritized problem (short)	Lack of knowledge on new hybrids Lower productivity due to use of local varieties Groundnut is cultivated in 8018 ha of land in the district. Majority of the farmers are cultivating local varieties.
Title of the OFT	Assessment of high yielding groundnut variety suitable for Trichy District
Technology options	
TO-1	VRI 10
Source and year	TNAU;2022
Description (short)	This variety is developed from VRI 2 x NRCG CS 349. It is a Spanish bunchshorter duration variety with 95 days. The average yield of culture is 2530 kg/ha. The oilcontent is 48% with seed viability. It has no <i>in-situ</i> germination of matured pods observed before harvest. It has moderate resistance to late leaf spot and rust besides thrips and leafhopper. The variety is suitable for Chittrai, Adi and Aippasipattam under rainfed and Margazhipattam under irrigation.
Potential yield/income	25.30 q/ha
Critical Inputs	Seed (15 kg) Groundnut Rich (4 kg)
Source of Inputs	TNAU

Photos	
TO-2	TCGS1694 (Visishta)
Source and year	ANGRU 2024
Description (short)	Medium pant stature,uniform maturity of pods, resistant to foliar diseases, Shelling percentage is 72-75%,oil content 50%)
Potential yield/income	2200-2500 kg/ha
Critical inputs& quantity and cost	Seeds and Groundnut rich
Source of Inputs	TNAU and ANGRU
Photos	
Farmers Practice	VRI 2 and Local variety
Farmers yield	16 q/ha
Season	Kharif/ Nov-Dec
Cost per replication (Rs.)	Rs 2800
No. of replications	5
Total cost for the OFT	Rs 14000
Parameters to be studied	Yield and Economics
Parameters to be reported	Yield and Economics
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (SST) SMS (SS&AC) , SMS (PBG) and PC



OFT No.	12
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject,	Soil science
Theme	Crop Production and Management
Category (if applicable)	Oilseeds
Crop/ enterprise	Groundnut
Farming situation	Clay loam,Sandy clay loam

Prioritized problem (short)	The sulphur requirement essential for Oilseed crop to enhance the oil content in groundnut. Hence alternate source of sulphur like bactogypsum and bentonite sulphur as a alternate source is being evaluated for enhancing the oil recovery in groundnut
Title of the OFT	Assessment of Bactogypsum and Bentonite Sulphur application in groundnut
Technology options	
TO-1	Bentonite Sulphur
Source and year	TNAU, 2023
Description (short)	
Potential yield/income	25q/ha
Critical Inputs	Bentonite sulphur
Source of Inputs	TNAU, Coimbatore
Photos	
TO-2	Bactogypsum
Source and year	IISR, Kozhikode
Description (short)	Pod yield
Potential yield/income	20 q/ha
Critical inputs& quantity and cost	Bactogypsum
Source of Inputs	KVK
Photos	
Farmers Practice	Commercial Gypsum
Farmers yield	15 q/ha
Season	Rabi 2024
Cost per replication (Rs.)	Rs.2000
No. of replications	5
Total cost for the OFT	.Rs. 10000
Parameters to be studied	Pod yield, gross cost, gross income, net income, BCR
Parameters to be reported	Pod yield, gross expenditure, gross income, net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (SS&AC) ,SMS (PBG) , Dr.C.Raja Babu ,


OFT No.	13
Status (New proposal/2 nd year /3 rd year)	2 nd Year
Subject	Agri.Entomology
Theme	Plant Protection
Category (if applicable)	Integrated Pest Management
Crop/ enterprise	Cotton
Farming situation	Irrigated & clay loamy, red soil
Prioritized problem (short)	Cotton is cultivated in 15674 ha of land in the district. Crop is highly susceptible to cotton mealy bug. It causes 30-54% yield loss. Indiscriminate application of insecticides poses serious problem of pesticide residue, high cost of plant protection and pest resistance
Title of the OFT	Assessment of IPM modules against sucking pest complex in Cotton
Technology options	
TO-1	
Source and year	TNAU CPG 2022
Description (short)	<ul style="list-style-type: none"> ➤ Seed treatment with Beauveriabassiana @ 10 g/kg of seed +Soil application of neem cake @ 250 kg/ha ➤ Yellow sticky trap @ 100 nos./ha ➤ Release of green lacewing @ 1 lakh eggs/ha at 30 DAS ➤ Need based spray of azadirachtin 1% EC @ 1000 ml/ha ➤ Need based spraying of diafenthiuron 50% WP @ 600 g/ha or thiamethoxam 25% WG @ 100g/ha
Potential pest reduction in % or percentage yield increase	50% reduction
Critical Inputs	Beauveriabassiana, Green lacewing, azadirachtin 1 % EC, thiamethoxam 25% WG
Source of Inputs	TNAU, Dealers
Photos	
TO-2	
Source and year	CICR, 2019
Description (short)	Installation of Yellow sticky trap @ 8/acre Maize as border crop


	Spray NSKE 5 % Spray Neem oil 5 ml Spray Verticilliumlecanii 10gm/l Need based spraying of Flonicamid 50 WG 4g/10litre of water
Potential pest reduction in % or percentage yield increase	50% pest reduction
Critical inputs & quantity and cost	Neem oil,FORS, Verticilliumlecanii, Flonicamid 50 WG
Source of Inputs	NBAIR,Dealers
Photos	
Farmers Practice	Indiscriminate use of insecticides and combination insecticides
Farmers yield	365 Kg/ha
Season	Khariif 2024
Cost per replication (Rs.)	Rs. 3500
No. of replications	5
Total cost for the OFT	Rs. 18000
Parameters to be studied	Pest (No.) and damage percentage, Yield, BCR
Parameters to be reported	Pest (No.) and damage percentage, Yield, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (PP), SMS (SST) & PC

OFT No.	14
Status (New proposal/2 nd year /3 rd year)	1 st Year
Subject,	Horticulture
Theme	Varietal evaluation
Category (if applicable)	Vegetables
Crop/ enterprise	Tomato
Farming situation	Garden land
Prioritized problem (short)	Lack of awareness about public sector hybrid, low productivity and severe pest and disease incidence leading to yield loss
Title of the OFT	Assessment of Tomato varieties Tomato hybrid Co-4 and Arka Rakshak for higher yield and productivity in Trichirapalli



	district
Technology options	
TO-1	TNAU Tomato Hybrid Co-4
Source and year	TNAU-SVRC - 2022
Description (short)	Tomato hybrids released from HC&RI, Coimbatore. Fruits are flat round with green shoulder at the time of ripening, Parentage: LE 127 X PKM 1, Duration: 5 months
Potential yield/income	923 q/ha.
Critical Inputs	Seeds Rs. 2000/100g of seeds
Source of Inputs	HC &RI, Coimbatore
Photos	
TO-2	Arka Rakshak
Source and year	ICAR- IHR -2020
Description (short)	High yielding F1 hybrid with triple disease resistance Fruits are square round, Deep red colour , Suitable for fresh market and processing Duration : 140 days.
Potential yield/income	Eg.800 q/ha
Critical inputs& quantity and cost	Seeds Rs.2000/100g
Source of Inputs	TNAU, Coimbatore
Photos	
Farmers Practice	Private hybrids
Farmers yield	700 q/ha
Season	Rabi 2024
Cost per replication (Rs.)	Eg.Rs.5000
No. of replications	Eg.5
Total cost for the OFT	Eg.Rs. 25000
Parameters to be studied	No. of fruits/per plant. Fruit weight (g) Yield/ha, BCR, pest and disease incidence, gross cost, net income
Parameters to be reported	Yield/ha, BCR, pest and disease incidence, gross cost, net inbome
Source of funding (KVK-Main/TSP/ /SC SP/	Eg. KVK Main

Project/Others (specify)	
Team members	Eg.Dr.S.Easwaran and Dr. C.Rajababu

OFT No.	15
Status (New proposal/2 nd year /3 rd year)	1 st Year
Subject,	Horticulture
Theme	Varietal evaluation
Category (if applicable)	Vegetables
Crop/ enterprise	Brinjal
Farming situation	Garden land
Prioritized problem (short)	Reduction in profitability due to lesser fruiting period coupled with prone to biotic and abiotic stresses in brinjal. Long fruit period, drought tolerance, disease resistance, high per plant yield
Title of the OFT	Assessment of productivity of grafted Brinjal using different Solanum species as rootstocks (<i>Solanum melongena</i> L. var PLR 2)
Technology options	
TO-1	Grafted brinjal (PLR 2) using Arka Neelkant as rootstock
Source and year	IIHR, 2021
Description (short)	Brinjal var. PLR 2 grafted with Arka Neelkant as rootstock will give more yield with longer cropping period. Grafted brinjal may resistant against biotic and abiotic stress. The rootstock is available in IIHR, Bangalore.
Potential yield/income	1100q/ha
Critical Inputs	Brinjal grafts Rs.15/grafts
Source of Inputs	IIHR, Bangalore
Photos	
TO-2	Grafted brinjal (PLR 2) using <i>Solanum torvum</i> Sw. as rootstock
Source and year	TNAU, 2015
Description (short)	Brinjal var. PLR 2 grafted with Solanum tarvam as rootstock will give more yield with longer cropping period. Grafted brinjal may resistant against biotic and abiotic stress. The grafted brinjal is available in TNAU, Coimbatore.
Potential yield/income	Eg.1200 q/ha
Critical inputs& quantity and cost	Brinjal grafts Rs.15/grafts
Source of Inputs	TNAU, Coimbatore



Photos	
Farmers Practice	Normal Brinjal seedlings
Farmers yield	70 q/ha
Season	Rabi 2024
Cost per replication (Rs.)	Eg.Rs.5000
No. of replications	Eg.5
Total cost for the OFT	Eg.Rs. 25000
Parameters to be studied	Establishment (%), yield/ha, BCR, pest and disease incidence, gross cost, net income
Parameters to be reported	Fruit yield, gross expenditure, gross income, net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	Eg. KVK Main
Team members	Eg.Dr.S.Easwaran and Dr. C.Rajababu

OFT No.	16
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject,	Plant protection
Category (if applicable)	IPM
Crop/ enterprise	Brinjal
Farming situation	Irrigated & clay loamy, red soil
Prioritized problem (short)	Brinjal is an important vegetable cultivated in 400 ha in Tiruchirappalli Dt. Severe yield loss (over 50%) due to incidence of fruit and shoot borer, defoliators and sucking pests. Indiscriminate application of insecticides poses serious problem of pesticide residue, high cost of plant protection and pest resistance
Title of the OFT	Assessment of IPM practices for Brinjal shoot and fruit borer
Technology options	
TO-1	
Source and year	TNAU 2022
Description (short)	<ol style="list-style-type: none"> 4. Install pheromone trap@12/ha 5. Remove the affected terminal shoot showing boreholes. 6. Remove the affected fruits and destroy. 7. Spray Neem Seed Kernel Extract 5 %

	8. Spray of any one of the insecticides based on Economic threshold Ø Emamectin benzoate 5% SG 4g/10 lit, Dimethoate 30% EC 7ml/10 lit, Flubendamide 20 WDG 7.5g/10 lit and Thiodicarb 75% WP 2g/lit
Potential pest and disease reduction in %	➤ 50% reduction
Critical Inputs	pheromone trap, Emamectin benzoate
Source of Inputs	TNAU, Dealers
Photos	
TO-2	
Source and year	IIHR ,2022
Description (short)	<ul style="list-style-type: none"> ➤ Pheromone traps @ 1 for 400 sq. m. ➤ Weekly release of 50,000 to 60,000 Trichogramma chilonis ➤ Two sprays of Bacillus thuringiensis @1ml/l at 10 days interval at peak flowering stage
Potential pest and disease reduction in % or percentage yield increase	45%
Critical Inputs	pheromone trap, Trichogramma chilonis, Bacillus thuringiensis
Source of Inputs	Dealers
Photos	
Farmers Practice	Pesticide application
Farmers yield	22 t/ha
Season	Rabi 2024
Cost per replication	3200

(Rs.)	
No. of replications	5
Total cost for the OFT	Rs.16000
Parameters to be studied	Pest No, damage (%) incidence, Yield, BCR
Parameters to be reported	Pest No, damage (%) incidence, Yield, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (PP), SMS(Hort) and PC

OFT No.	17
Status (New proposal/2 nd year /3 rd year)	1 st Year
Subject,	Horticulture
Theme	Varietal evaluation
Category (if applicable)	Vegetables
Crop/ enterprise	Ridge gourd
Farming situation	Garden land
Prioritized problem (short)	Seeds are bought from local shandy and getting very low yield. Inadequate knowledge of the Package of practices. Low productivity and profitability. TN government provides subsidies on vegetables cultivation Hence cultivating these improved varieties ie. MDU-1 and Arka Prasan are high yielding 20 t/ha in 110 days giving more income to the farmers and uplifting their livelihood.
Title of the OFT	Assessment of Ridge gourd varieties MDU-1 and Arka Prasan for higher yield and productivity in Trichirapalli district
Technology options	
TO-1	MDU 1
Source and year	TNAU-SVRC - 2023
Description (short)	Medium sized fruits (29-30 cm length) with soft pulp. Suitable for preparation of jam, <i>thokku</i> and pickles. Field tolerant to fruit fly.
Potential yield/income	180 q/ha.
Critical Inputs	Seeds Rs. 2000/kg of seeds
Source of Inputs	AC &RI, Madurai

Photos	
TO-2	Arka Prasan
Source and year	ICAR- IIHR -2016
Description (short)	Early variety (42-45 days for first picking). Duration : 120-135 days. Green, long fruits.
Potential yield/income	Eg.260 q/ha
Critical inputs& quantity and cost	Seeds Rs.2000/kg
Source of Inputs	TNAU, Coimbatore
Photos	
Farmers Practice	Local variety
Farmers yield	120 q/ha
Season	Rabi 2024
Cost per replication (Rs.)	2000
No. of replications	5
Total cost for the OFT	Rs. 10000
Parameters to be studied	No. of branches, days taken for first flowering, Number of pods per plant, yield / plant, Yield /ha and BC ratio
Parameters to be reported	Yield/ha, BCR, pest and disease incidence, gross cost, net income
Source of funding (KVK- Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	Dr.S.Easwaran and Dr. C.Rajababu

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 the CO 56 Rice variety for Trichy dt	Lodging of the rice variety is the major problem in wetland ecosystem	CO 56 Rice variety	TNAU 2023	OFT to FLD	10	4	15000	SMS (PBG), PC, SMS (SS)	1	2
2.	Paddy	Demonstration of the CO 57 Rice variety with organic practices for Tiruchirappalli District	Traditional paddy variety lodges and photosensitive	CO 57 Rice variety Organic Inputs	TNAU 2023	2 nd year	10	4	15000	SMS (PBG), PC, SMS (SS)	1	2
3.	Paddy	Demonstration of Newly released Variety Rice CO 58	Lack of Knowledge on Improved Varieties in Paddy crop	Variety Rice CO 58	TNAU 2024	New	10	4	10,000	SMS (SST), SMS (SS&AC) SMS(PBG), and PC	1	1
4.	Paddy	Demonstration of the ADT 59 Rice variety for Trichy District	CR 1009 is a long duration rice variety for idli making and lodging behavior	ADT 59 Rice variety	TNAU 2024	Direct FLD	10	4	15000	SMS (PBG), PC, SMS (SS)	1	2

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
5.	Paddy	Demonstration of TRY 5 Paddy in Trichy District	Salt tolerant variety, resistant to leaf folder, stem borer, brown plant hopper, blast, brown spot, sheath rot and sheath blight	TRY 5 Paddy	TNAU 2022	Direct FLD under seed production	10	4	18000	SMS (SS) , SMS (PBG), PC	1	2
6.	Paddy	Demonstration of foliar application of TNAU rice bloom for samba rice crop	Lack of awareness on nutrient management	TNAU crop booster Rice bloom	TNAU; 2022	New	10	4	15,000	PC, SMS (PBG), SMS (SS)	1	2
7.	Paddy	Demonstration of foliar application of TNAU rice reap for Kuruvai rice crop for Tiruchirappalli District	Yield is reduced due to high rainfall at late phase of crop growth	Seeds ,TNAU Rice Reap (6 kg/ ac)	TNAU 2022	OFT to FLD	10	4	15000	PC, SMS (PBG), SMS (SS)	1	2
8.	Paddy	Demonstration of CO 55 Paddy Seed Production (Foundation /Certified) by farmer participatory Mode in Trichy district	BPT 5204 is the variety practiced by farmers susceptible to many pest and diseases	CO 55 Rice variety	TNAU 2022	Direct FLD under seed production	10	4	15000	SMS (PBG), PC, SMS (SS)	1	2

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
9.	Maize	Demonstration of Newly released Variety Maize VGI H(M) 2	Lack of Knowledge on Improved Varieties in Maize crop	Maize VGI H(M) 2	TNAU 2024	New	10	4	24500	SMS (SST), SMS (SS&AC), SMS (PBG), and PC	1	0
10.	Maize	Demonstration of ICM in Maize for Trichy District	Soil test based fertilizer application, improving nutrient use efficiency (IPNS), Eco friendly cultivation, low pesticide usage.	Soil test based NPK fertilizer application along with TNAU micronutrient mixture @30kg/ha with biofertilizers @4kg/ha	TNAU 2023	Direct FLD	10	4	15000	SMS (SS), SMS (PBG), PC	1	2
11.	Pulses	Demonstration of TNAU Seed Coating Technique in blackgram	Non –Adoption of seed treatment	Seed Coating	TNAU 2023	New	10	4		SMS (SST), SMS (SS&AC), SMS (PBG), and PC	1	1
12.	Cotton	Demonstration of Newly released Variety Cotton VPT 2	Lack of Knowledge on Improved Varieties in Cotton	Cotton VPT 2	TNAU 2024	New	10	4		SMS (SST), SMS (SS&AC), SMS (PBG), and PC	1	1

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
13.	Cotton	Demonstration of Integrated nutrient management technique in Cotton	Soil test based fertilizer application, improving nutrient use efficiency (IPNS), Eco friendly cultivation, low pesticide usage	Soil test based NPK Seed treatment with Azhapos @1200 g/ha. Soil application of MN mixture @12.5kg/ha. with 50 kg of sand as basal Foliar spray of TNAU Cotton Plus @ 2.5 kg / acre (200 litres of water @ Flowering & Boll formation stage.	TNAU 2021	FLD	10	4	18000	SMS (SS) , SMS (PBG), PC	1	2
14.	Mulberry	Demonstration of integrated disease management against root rot in mulberry	Mulberry is cultivated in about 500 ac in the district. The crop is highly prone to root rot disease and damage is up to 10-40%	Integrated disease management	TNAU	NEW	10	4	17500	SMS (PP)& PC	1	1


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
15.	Fruits Banana	Demonstration of drought tolerant banana variety Cauvery Saba in Tiruchirappalli district	Cauvery saba is the drought tolerant variety which is suitable for drought prone area	Cauvery Saba	NRCB 2021	New FLD	10	0.4	10000	SMS (Hort) and PC	2	2
16.	Chilli	Demonstration of Integrated management of sucking pest complex in chilli	The crop is susceptible to mite and thrips damage to the tune of 50%.	Integrated Pest Management	TNAU	2ND YEAR	10	4	20500	SMS (PP)& PC	1	1
17.	Vegetable crops Onion	Demonstration of small Onion variety CO 6 for higher yield in Truchirappalli district	Attractive pink, bolder bulbs, easy peeling. No. of bulblets: 5-7. TSS : 15.4°Brix. Bulb yield : 19.1 t/ha (21% higher than CO 5). Less incidence of purple blotch (11.5 %).	Onion CO 6	TNAU,2020	New FLD	10	0.4	32,000	SMS (Hort) and PC	2	2
18.	Spice crop- coriander	Demonstration of Coriander Co-5 for higher yield in Trichy district	Farmers are cultivating local variety and low yield	Popularization of new Coriander variety Co5	TNAU SVRC release - 2023	OFT converted to FLD	10	0.4	3000	SMS (Hort) and PC	2	2


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
19.	Vegetable crops - Greens	Demonstration of Red Amarnathus CO 6 for high yield in Tiruchirappalli District	Farmers are cultivating local variety with low yield	Popularizatio n of new red Amaranthus variety	TNAU SVRC release - 2024	New FLD	10	0.4	5000	SMS (Hort) and PC	2	2
20.	Coconut	Demonstration of integrated pest management for Rugose Spiralling Whitefly in Coconut	Severe yield loss (over 50%) due to incidence of suching pests especially Rugose Spiralling Whitefly. Application of insecticide on coconut is more drudgery and insecticides are ineffective.	Integrated Pest Management	TNAU	2ND YEAR	10	4	20500	SMS (PP)& PC	1	1
21.	Jasmine	Demonstration of IPM Module for jasmine bud worm and blossom midge	Jasmine is cultivated in about 2000 ha in district. It is susceptible to mite and thrips damage to the tune of 50%.	Integrated Pest Management	TNAU	NEW	10	4	20500	SMS (PP)& PC	1	1

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
22.	Nutrition garden	Demonstration of Nutrition Garden in Schools/Anganwadi centres to increase the food and nutrition security of the children	Lack of awareness about Nutrition garden	Demonstration of crop rotation in nutritional garden Imparting knowledge of nutritive value of vegetables, fruits and greens for balanced diet.	TANUVAS , 2020	New FLD	10	4	20000	SMS (FSN)	2	2
23.	Animal Health	Demonstration of TANUVAS smart mineral mixture for dairy cows	Lack of knowledge about Supplementary nutrition to dairy cows.	TANUVAS smart mineral mixture	TANUVAS 2019	New FLD	10	10 Nos	10000	SMS (FSN)	2	2
24.	Minor millets	FLD – on EDP mode Demonstration of Therapeutic and functional foods from millets to promote entrepreneurship among farm women	Lack of awareness of hybrid pearl millets and its value addition Additional income for millet growers. Off season	Unpolished millet rice, Fibre dense millet mix, RTE millet foods, Smart snack foods from millets.	CFTRI , 2020	New FLD	10	4	20000	SMS (FSN)	2	2


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
			employment for rural women									
25.	Banana	FLD – on EDP mode Demonstration of Banana value added products for rural youth entrepreneurial development	Lack of knowledge about increase the farmers income through value addition from Banana	Demonstration of alternate value addition techniques in Banana High value added products	NRCB Trichy 2020	New FLD	10	4	20000	SMS (FSN)	2	2
26.	Health mix	FLD – on EDP mode Demonstration of enhancing women entrepreneurship through development of micronutrient rich health mixes	Lack of knowledge about preparation of instant mix. To increase the farmers income through value addition from instant health mix	Nutrimix contains Moringa leaves, curry leaves and Health mix from germinated brown rice, powder.	TNAU, 2019	New FLD	10	4	20000	SMS (FSN)	2	2


9.2. Details of FLDs 2024-25


FLD No.:	1
Status (New proposal/2 nd year /3 rd year)	OFT to FLD
Subject	Plant Breeding and Genetics
Category:	Varietal Assessment- Agricultural crops
Crop/ enterprise:	Rice
Farming situation	Irrigated , sandy clay loam
Prioritized problem:	Lodging of the rice variety is the major problem in wetland ecosystem
Title	Demonstration of the CO 56 Rice variety for Trichy dt
Technology to be demonstrated:	Seed
Hybrid or Variety:	Variety
Source of Technology:	TNAU 2023
Description	130-135 daysSamba / late Samba / Thaladi, Yield: 6372 kg/ha, Non-lodging with high tillering ability; long panicles with > 350 grains per panicle, Medium slender white rice with good milling percentage (67%) and head rice recovery (64.1%), Moderately resistant to multiple diseases viz., blast, BLB, brown spot, sheath rot, sheath blight, RTD and glume discolouration, Moderately resistant to stem borer and gall midge
Potential yield	60 q/ha
Critical input, quantity and cost	Seeds , Rs.1500
Farmers practice	CO R 50
Source of input	KVK
Photos	
Average farmers yield	60 q/ha
Season	Rabi 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.15000
Parameters to be studied:	yield, pest and diseases, Gross cost, gross and net income, BCR
Parameters to be reported	yield, gross cost, gross and net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (PBG) , Dr.C.Raja Babu ,SMS (SS&AC),


FLD No.:	2
Status (New proposal/2 nd year /3 rd year)	2 nd year
Subject	Soil Science
Category:	Crop production and management
Crop/ enterprise:	Rice
Farming situation	Irrigated , sandy clay loam
Prioritized problem:	Traditional paddy variety lodges and photosensitive
Title	Demonstration of the CO 57 Rice variety with organic practices for Tiruchirappalli District
Technology to be demonstrated:	Seed and Vermicompost ,TNAU 3 LLeaf extract,TNAU5 L leaf extract,TNAU bio bloom,TNAUfish amino acid,
Hybrid or Variety:	Variety
Source of Technology:	TNAU 2023
Description	Application of FYM @ 12 t/ha or Vermi compost 5 t/ha, Application of Neem cake @250 kg/ha,Foliar application of TNAU Panchagavya @3 % at 10, 15,30 and 50 DAT, Seed treatment with Trichoderma viride @10 g/kg of seed. Soil application of Bacillus subtilis 2.5 kg/ha, <i>In situ</i> incorporation of green manure <i>Sesbania rostrata</i> (50kg/ha) ,Bird perch @ 50 No.s/haPheromone trap 12 No.s/haNSKE 5 % spray
Potential yield	50 q/ha
Critical input, quantity and cost	Seeds ,Organic Inputs
Farmers practice	NPK
Source of input	KVK
Photos	
Average farmers yield	35 q/ha
Season	Rabi 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.15000
Parameters to be studied:	yield, pest and diseases, Gross cost, gross and net income, BCR
Parameters to be reported	yield, gross cost, gross and net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	Dr.C.Raja Babu ,SMS (PBG) ,SMS (SS&AC),


FLD No.:	3
Status (New proposal/2 nd year /3 rd year)	New
Subject	Seed Science and Technology
Category:	Varietal Evaluation
Crop/ enterprise:	Paddy
Farming situation	Irrigated
Prioritized problem:	Lack of Awareness on Improved Paddy Varieties
Title	Demonstration of Newly released Variety Rice CO 58
Technology to be demonstrated:	Paddy CO 58
Hybrid or Variety:	Variety
Source of Technology:	TNAU:2024
Description	Non-basmati, long slender and aromatic rice Semi – dwarf & Non lodging High head rice recovery (55.8%) compared to other long slender basmati (20 – 30%) Resistant to Rice Tungro Disease & Green Leaf hopper& Moderately Resistant to Blast & Brown spot
Potential yield	Grain yield: 5858 kg/ha
Critical input, quantity and cost	Seed
Farmers practice	Local Varieties
Source of input	TNAU,Coimbatore
Photos	
Average farmers yield	3700 kg/ac
Season	Sep-Oct
No. of Demos (replications)	10
Total cost for the Demo	Rs 10,000
Parameters to be studied:	Yield and Economics
Parameters to be reported	
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK,Main
Team members	SMS (SST) ,SMS (SS&AC) SMS (PBG), and PC

FLD No.:	4
Status (New proposal/2 nd year /3 rd year)	Direct FLD
Subject	Plant Breeding and Genetics
Category:	Varietal Assessment- Agricultural crops
Crop/ enterprise:	Rice
Farming situation	Irrigated , sandy clay loam
Prioritized problem:	CR 1009 is a long duration rice variety for idli making and lodging behavior
Title	Demonstration of the ADT 59 Rice variety for Trichy dt
Technology to be demonstrated:	ADT 59 Seed
Hybrid or Variety:	Variety
Source of Technology:	TNAU 2024
Description	Yield - 6100 kg/ha, Duration 115 - 120 days ;Medium tall, Non lodging;boldgrain,1000grain weight 22.8 g Good idly making properties Resistant to Sheathblight, RTD; MR to bacterial leaf blight, sheath rot, false smut
Potential yield	60 q/ha
Critical input, quantity and cost	Seeds , Rs.1500
Farmers practice	CR 1009
Source of input	KVK
Photos	
Average farmers yield	60 q/ha
Season	Kharif 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.15000
Parameters to be studied:	yield, pest and diseases, Gross cost, gross and net income, BCR
Parameters to be reported	yield, gross cost, gross and net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (PBG) , Dr.C.Raja Babu ,SMS (SS&AC),


FLD No.:	5
Status (New proposal/2 nd year /3 rd year)	New
Subject	Plant Breeding and Genetics
Category:	Varietal Assessment- Agricultural crops
Crop/ enterprise:	Rice
Farming situation	Irrigated , sandy clay loam
Prioritized problem:	TRY 5 Salt tolerant variety, Resistant to leaf folder, stem borer, brown plant hopper, blast, brown spot, sheath rot and sheath blight
Title	Demonstration of paddy TRY 5 in Sodic soil
Technology to be demonstrated:	TRY 5
Hybrid or Variety:	Variety
Source of Technology:	TNAU 2022
Description	It is a mutant of TRY 2 and short duration variety with 110 – 115 days.
Potential yield	The average yield of the culture is 5100 kg/ha
Critical input, quantity and cost	Seeds , Rs.1500
Farmers practice	TRY 2
Source of input	KVK
Photos	
Average farmers yield	60 q/ha
Season	Kharif/rabi 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.15000
Parameters to be studied:	yield, pest and diseases, Gross cost, gross and net income, BCR
Parameters to be reported	yield, gross cost, gross and net income, BCR
Source of funding (KVK- Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (SS&AC),SMS (PBG) , Dr.C.Raja Babu ,

FLD No.:	6
Status (New proposal/2 nd year /3 rd year)	New
Subject	Crop production and management
Category:	Nutrient management
Crop/ enterprise:	Paddy
Farming situation	irrigated , sandy clay loam
Prioritized problem:	Lack of awareness on Integrated nutrient management
Title	Demonstration of foliar application of TNAU rice bloom for samba rice crop
Technology to be demonstrated:	TNAU rice bloom
Hybrid or Variety:	-
Source of Technology:	TNAU 2022
Description	TNAU rice bloom Decreases spikelet sterility,Improves grain filling rate and Increases grain yield upto 15 %
Potential yield	40 q/ha
Critical input, quantity and cost	TNAU crop booster Rice bloom (8 kg/ ac)
Farmers practice	Without micronutrient application
Source of input	Department of crop physiology, TNAU
Photos	
Average farmers yield	37 q/hac
Season	Samba /Rabi 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.15000
Parameters to be studied:	Growth parameters, yield and yield parameters
Parameters to be reported	Growth parameters, yield and yield parameters
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK,Main
Team members	SMS (SS&AC),,SMS (PBG) , Dr.C.Raja Babu

FLD No.:	7
Status (New proposal/2 nd year /3 rd year)	OFT converted to FLD
Subject	Crop Physiology
Category:	Crop production and management
Crop/ enterprise:	Rice
Farming situation	Irrigated , sandy clay loam
Prioritized problem:	Yield is reduced due to high rainfall at late phase of crop growth
Title	Demonstration of foliar application of TNAU rice reap for Kuruvai rice crop for Tiruchirappalli District
Technology to be demonstrated:	TNAU Rice Reap
Hybrid or Variety:	Variety
Source of Technology:	TNAU 2022
Description	Improves grain filling rate Drought and high temperature
Potential yield	60 q/ha
Critical input, quantity and cost	Seeds ,TNAU Rice Reap (6 kg/ ac) Rs.1500
Farmers practice	NPK
Source of input	KVK
Photos	
Average farmers yield	55 q/ha
Season	Rabi 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.15000
Parameters to be studied:	yield, pest and diseases, Gross cost, gross and net income, BCR
Parameters to be reported	yield, gross cost, gross and net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (PBG) , Dr.C.Raja Babu ,SMS (SS&AC),

FLD No.:	8
Status (New proposal/2 nd year /3 rd year)	Direct FLD under seed production
Subject	Plant Breeding and Genetics
Category:	Varietal Assessment- Agricultural crops
Crop/ enterprise:	Rice
Farming situation	Irrigated , sandy clay loam
Prioritized problem:	BPT 5204 is the variety practiced by farmers susceptible to many pest and diseases.
Title	Demonstration of CO 55 Paddy Seed Production (Foundation /Certified) by Farmer Participatory Mode in Trichy district
Technology to be demonstrated:	CO 55 Seed
Hybrid or Variety:	Variety
Source of Technology:	TNAU 2022
Description	Parentage- ADT 43 / GEB 24; Average yield : 6050 kg/ ha; Super fine ; 115 days; suitable for Navarai/ Sornavari season
Potential yield	60 q/ha
Critical input, quantity and cost	Seeds , Rs.1500
Farmers practice	BPT 5204
Source of input	KVK
Photos	
Average farmers yield	60 q/ha
Season	Kharif/rabi 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.15000
Parameters to be studied:	yield, pest and diseases, Gross cost, gross and net income, BCR
Parameters to be reported	yield, gross cost, gross and net income, BCR
Source of funding (KVK- Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (PBG) , Dr.C.Raja Babu ,SMS (SS&AC),


FLD No.:	9
Status (New proposal/2 nd year /3 rd year)	New
Subject	Seed Science and Technology
Category:	Varietal Evaluation
Crop/ enterprise:	Maize
Farming situation	Irrigated,clay loam
Prioritized problem:	Lack of Awareness on High yielding Maize Hybrids
Title	Demonstration of Newly released Variety Maize VGI H(M) 2
Technology to be demonstrated:	Maize VGI H(M) 2
Hybrid or Variety:	Hybrid
Source of Technology:	TNAU 2024
Description	Stay green; Orange yellow dent kernels Shelling – 81% Moderately resistant to Turcicum leaf blight; Moderately resistant to Fall Army worm and Stem borer
Potential yield	6300 kg/ha
Critical input, quantity and cost	Seed and Vidhai Amrithem
Farmers practice	Private variety/hybrid
Source of input	TNAU 2024
Photos	
Average farmers yield	2000 kg/ ac
Season	Kharif/Rabi
No. of Demos (replications)	10
Total cost for the Demo	24500/-
Parameters to be studied:	Yield and Economics
Parameters to be reported	Yield and Economics
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK-Main
Team members	SMS (SST) ,SMS (PBG) SMS (SS&AC), and PC


FLD No.:	10
Status (New proposal/2 nd year /3 rd year)	Direct FLD
Subject	Soil Science and Agricultural Chemistry
Category:	Crop production and Management
Crop/ enterprise:	Rice
Farming situation	Irrigated , sandy clay loam
Prioritized problem:	Soil test based fertilizer application, improving nutrient use efficiency (IPNSS), Eco friendly cultivation, low pesticide usage.
Title	Demonstration of ICM in Maize for Trichy District
Technology to be demonstrated:	INM concept- Soil test based NPK fertilizer application + Maize Mixture:Rainfed 3 kg /acre :irrigated 12 kg /acre mixed with FYM in 10 parts in two times
Hybrid or Variety:	Variety
Source of Technology:	TNAU 2019
Description	
Potential yield	52 qtl/ha
Critical input, quantity and cost	Seeds , MN mixture and biofertilizers Rs.1500 /-
Farmers practice	Blanket recommendation of NPK
Source of input	KVK
Photos	
Average farmers yield	60 q/ha
Season	Kharif 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.15000
Parameters to be studied:	Grain yield, pest and diseases, Gross cost, gross and net income, BCR
Parameters to be reported	yield, gross cost, gross and net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (SS&AC),, SMS (PBG) , Dr.C.Raja Babu,


FLD No.:	11
Status (New proposal/2 nd year /3 rd year)	2 nd year
Subject	Seed Science and Technology
Category:	Crop Management
Crop/ enterprise:	Blackgram
Farming situation	Irrigated/Rice fallow
Prioritized problem:	Non –Adoption of seed treatments
Title	Demonstration of TNAU Seed Coating Technique in blackgram
Technology to be demonstrated:	TNAU Seed Coating
Hybrid or Variety:	Variety
Source of Technology:	TNAU : 2023
Description	Improved seedling emergence and vigour. Free from environment pollution wastage of seed treating chemicals will be avoided
Potential yield	
Critical input, quantity and cost	Seed (8kg/ac), and Vidhai Amrithem (200ml/kg)
Farmers practice	No seed treatment
Source of input	TNAU
Photos	
Average farmers yield	150 kg/ac
Season	Rice fallow/ Irrigated
No. of Demos (replications)	10
Total cost for the Demo	13000
Parameters to be studied:	Yield and Economics
Parameters to be reported	Yield and Economics
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK-Main
Team members	SMS (SST) ,SMS (PBG) SMS (SS&AC), and PC


FLD No.:	12
Status (New proposal/2 nd year /3 rd year)	New
Subject	Seed Science and Technology
Category:	Varietal Evaluation
Crop/ enterprise:	Cotton
Farming situation	Irrigated/Rainfed
Prioritized problem:	Lack of Awareness on improved variety in cotton crop
Title	Demonstration of Newly released Variety Cotton VPT 2
Technology to be demonstrated:	Cotton VPT 2
Hybrid or Variety:	Variety
Source of Technology:	TNAU 2024
Description	Suited for winter rainfed and rice fallow condition Seed cotton yield: 1624 kg/ha Compact long staple (29.6 mm) Synchronized boll maturity Suitable for mechanized harvest & high-density planting Moderately resistant to Leaf Hopper, Alternaria leaf spot and grey mildew and resistant to boll rot
Potential yield	1624 kg/ha
Critical input, quantity and cost	Seed (6kg/ac), Vidhai Amrithem and Cotton plus
Farmers practice	Private Hybrids
Source of input	TNAU: 2024
Photos	
Average farmers yield	1000kg/ha
Season	Irrigated/Rainfed
No. of Demos (replications)	10
Total cost for the Demo	25000
Parameters to be studied:	Yield and Economics
Parameters to be reported	Yield and Economics
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK-Main
Team members	SMS (SST) ,SMS (PBG) SMS (SS&AC), and PC


FLD No.:	13
Status (New proposal/2 nd year /3 rd year)	FLD
Subject	Soil Science and Agricultural Chemistry
Category:	Crop production and Management
Crop/ enterprise:	Rice
Farming situation	Irrigated , sandy clay loam
Prioritized problem:	Poor soil health and nutrient deficiency in plants Symptoms may include smaller, very dark green leaves, with purplish reddening. Other possible symptoms are overall stunting, poor boll retention, and delayed flowering.
Title	Demonstration of Integrated nutrient management technique in Cotton
Technology to be demonstrated:	INM concept
Hybrid or Variety:	Variety
Source of Technology:	TNAU 2021
Description	Soil test based NPK application <ul style="list-style-type: none"> • 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 spray of TNAU Cotton Plus @ 2.5 kg / acre (200 litres of water @ Flowering & Boll formation stage. • Need based foliar spray of 2% MgSO₄ + 1% urea during boll formation stage
Potential yield	25 q/ha
Critical input, quantity and cost	Cotton Co 17 variety ,TNAU Biofertilizers, MN Mixture and Cotton plus Biofertilizers, ZnSO ₄ , MnSO ₄ and Borax
Farmers practice	CO 17 cotton
Source of input	KVK
Photos	
Average farmers yield	20 q/ha
Season	Rabi 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.18000
Parameters to be studied:	Kapas yield, Boll yield, pest and diseases, Gross cost, gross and net income, BCR
Parameters to be reported	Kapas yield, Boll yield ,gross cost, gross and net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (SS&AC),,SMS (PBG) and Dr.C.Raja Babu ,


FLD No.	14
Status (New proposal/2 nd year /3 rd year)	New proposal
Subject,	Plant protection
Category (if applicable)	Tree crop
Crop/ enterprise	Mulberry
Farming situation	Irrigated, red sandy loam
Prioritized problem (short)	Mulberry is cultivated in about 500 ac in the district. The crop is highly prone to root rot disease and damage is up to 10-40%.
Title of the FLD	Demonstration of integrated disease management against root rot in mulberry
Technology to be demonstrated	IDM
Hybrid or variety	Variety
Source and year	TNAU 2020
Description (short)	Application of copper oxy chloride at root region (2g /lit of water) Soil application of Zinc sulphate @ 10 kg/ha in two split doses Application of Trichoderma viride + Bacillus subtilis @ 100g/plant Raising of the green manure crop (Sunhemp / Daincha) and in situ ploughing before flowering
Potential pest reduction in % or % yield increase	170 Qtl/ac
Critical Inputs	<i>Trichoderma viride</i> ; <i>Bacillus subtilis</i> ; sunnhemp seeds
Source of Inputs	TNAU
Photos	
Farmers Practice	Continuous fungicides spray
Farmers yield	150 Qtl/ac
Season	<i>kharif</i> 2024
No. of replications	10
Total cost for the OFT	Rs.17500
Parameters to be studied	Disease Percentage; Yield ; BCR
Parameters to be reported	yield, net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (PP), SMS (Hort.) and PC


FLD No.:	15
Status (New proposal/2 nd year /3 rd year)	1 st year
Subject	Horticulture
Category:	Fruit crops
Crop/ enterprise:	Banana
Farming situation	Irrigated clay loamy soil
Prioritized problem:	Cauvery saba is the drought tolerant variety which is suitable for drought prone area
Title	Demonstration of drought tolerant banana variety Kavery Saba in Trichirappalli district
Technology to be demonstrated:	Banana Kavery Saba
Hybrid or Variety:	Variety
Source of Technology:	NRCB 2021
Description	Saba is an exotic introduction and belongs to ABB genomic group and Bontha subgroup. This is a drought and salinity tolerant variety.
Potential yield	220q/ha
Critical input, quantity and cost	Banana Suckers 1000 suckers per acre, Rs.15/Sucker
Farmers practice	Local variety
Source of input	NRCB, Trichy
Photos	
Average farmers yield	140 q/ha
Season	Kharief 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.25,000
Parameters to be studied:	Plant height, No. of hands per bunch, yield / plant and yield per ha, BC ratio
Parameters to be reported	yield / plant and yield per ha, BC ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	Dr.S.Easwaran and Dr. C.Rajababu


FLD No.:	16
Status (New proposal/2 nd year /3 rd year)	2 nd year
Subject	Plant protection
Category:	IPM
Crop/ enterprise:	Chilli
Farming situation	Irrigated, loamy clayey soil
Prioritized problem:	Chilli is cultivated in about 913 ha in the district in which 127 ha is in Musiri block. The crop is susceptible to mite and thrips damage to the tune of 50%.
Title	Demonstration of Integrated management of sucking pest complex in chilli
Technology to be demonstrated:	IPM
Hybrid or Variety:	Variety
Source of Technology:	TNAU 2020
Description	Growing Maize/ sesbania as border crop, neem cake- 100 kg/ac (2 splits at planting and 30 DAP), YST 12 Nos/ha , Blue ST 12 Nos./ha , Neem oil 3% (5 l/ac), Need based spray of Fipronil 5 % SC @ 1.5ml/lit for thrips & Fenpyroximate 5 EC @ 1ml/lit for muranai mites
Potential yield	1.8 tonnes dry chilli/ ha
Critical input, quantity and cost	YST, Blue ST
Farmers practice	Indiscriminate application of pesticides
Source of input	TNAU, PVT firms
Photos	
Average farmers yield	1.7 tonnes dry chilli / ha
Season	Rabi 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.20500
Parameters to be studied:	Pest incidence (No / unit area and % damage), Yield, BCR
Parameters to be reported	Pest incidence ,Yield, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (PP), SMS (Hort.) and PC


FLD No.:	17
Status (New proposal/2 nd year /3 rd year)	1 st year
Subject	Horticulture
Category:	Vegetables
Crop/ enterprise:	Onion
Farming situation	Irrigated red sandy soil
Prioritized problem:	Farmers are cultivating local variety leads to less yield and more incidence of pest and disease accordance
Title	Demonstration of small Onion variety CO 6 for higher yield
Technology to be demonstrated:	Co 6 Variety
Hybrid or Variety:	Variety
Source of Technology:	TNAU,2020
Description	Attractive pink, bolder bulbs, easy peeling. No. of bulblets: 5-7. TSS : 15.4°Brix. Bulb yield : 19.1 t/ha (21% higher than CO 5). Less incidence of purple blotch (11.5 %).
Potential yield	191 q/ha
Critical input, quantity and cost	Bulbs, Rs. 25/kg, 400kg per acre
Farmers practice	Co 5
Source of input	HC&RI, Coimbatore
Photos	
Average farmers yield	86 q/ha
Season	Rabi 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.50,000
Parameters to be studied:	Number of bulblets, Bulb yield, pest and diseases, Gross cost, gross and net income, BCR
Parameters to be reported	Bulb yield, gross cost, gross and net income, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	Dr.S.Easwaran and Dr. C.Rajababu


FLD No.:	18
Status (New proposal/2 nd year /3 rd year)	1 st year
Subject	Horticulture
Category:	Spice crops
Crop/ enterprise:	Coriander
Farming situation	Irrigated red soil
Prioritized problem:	Farmers are cultivating local variety leads to less yield and more incidence of pest and disease accordance
Title	Demonstration of coriander variety CO 5 for high leaf yield
Technology to be demonstrated:	Coriander CO 5
Hybrid or Variety:	Variety
Source of Technology:	TNAU, 2022
Description	Duration : 35 - 40 days. Herbage yield : 4.7 t/ha. Suitable for <i>Kharif</i> and <i>Rabi</i> seasons.
Potential yield	470 q/ha
Critical input, quantity and cost	Coriander seeds 12 kg/ha, Rs.100/kg
Farmers practice	Co 5
Source of input	HC&RI, Coimbatore
Photos	
Average farmers yield	325 q/ha
Season	Rabi 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.10,000
Parameters to be studied:	Herbage Yield (t/ha), BCR, pest, disease incidence, Gross cost, net income
Parameters to be reported	Herbage Yield (t/ha), BCR, Gross cost, net income
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	Dr.S.Easwaran and Dr. C.Rajababu

FLD No.:	19
Status (New proposal/2 nd year /3 rd year)	1 st year
Subject	Horticulture
Category:	Vegetables
Crop/ enterprise:	Amaranthus
Farming situation	Irrigated red soil
Prioritized problem:	Less yield due to local varieties and more incidence of pest and disease accordance
Title	Demonstration of Red amarnathus CO 6 for high yield
Technology to be demonstrated:	Red amarnathus CO 6
Hybrid or Variety:	Variety
Source of Technology:	TNAU, 2024
Description	Yield: 12.6 t/ha, Attractive red colored leaves with high anthocyanin content (0.653 mg/100g), Low nitrate (25.3 mg) and oxalate (1.2 g), Duration : 30 -35 days, Suitable for container cultivation year-round
Potential yield	126 q/ha
Critical input, quantity and cost	Red amarnathus seeds 2.5 kg/ha, Rs.90/kg
Farmers practice	Local variety
Source of input	HC&RI, Coiambatore
Photos	
Average farmers yield	75 q/ha
Season	Rabi 2024
No. of Demos (replications)	10
Total cost for the Demo	Rs.5,000
Parameters to be studied:	Herbage Yield (t/ha), BCR, pest, disease incidence, Gross cost, net income
Parameters to be reported	Herbage Yield (t/ha), BCR, Gross cost, net income
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	Dr.S.Easwaran and Dr. C.Rajababu


FLD No.	20
Status	New proposal
Subject,	Plant protection
Category (if applicable)	IPM
Crop/ enterprise	Coconut
Farming situation	Irrigated & sandy loam soil
Prioritized problem (short)	Coconut is an important tree crop cultivated in 5400 ha in Trichy. Severe yield loss (over 50%) due to incidence of sucking pests especially Rugose Spiralling Whitefly. Application of insecticide on coconut is more drudgery and insecticides are ineffective.
Title of the FLD	Demonstration of IPM module for Coconut Rugose Spiralling Whitefly
Technology to be demonstrated	IPM
Hybrid or variety	Variety
Source and year	TNAU 2020
Description (short)	<ul style="list-style-type: none"> ➤ Release of <i>Encarsia gaudeloupe</i> @ 100 parasitoids/acre (10 leaf bits/acre) ➤ Installation of yellow sticky trap (5 x1.5 feet) smeared with castor oil @ 5/acre ➤ Release of <i>Chrysoperla zastrowisillemi</i> eggs @ 500/acre, ➤ Spraying of 1% starch solution for sooty mould, ➤ Spraying Azadiractin 1 % @ 2ml/lit
Potential pest reduction in % or % yield increase	9000 nuts/ha
Critical Inputs	<i>Chrysopa</i> , <i>Encarsia</i> , YST, Azadiractin 1.0% EC
Source of Inputs	NBAIR, TNAU, Dealers
Photos	
Farmers Practice	Continuous Insecticides spray
Farmers yield	7500nuts/ha
Season	<i>kharif</i> 2024
No. of replications	10
Total cost for the OFT	Rs.20500
Parameters to be studied	Pest incidence (Nos.), damage %, Yield (nuts No/ha), BC ratio
Parameters to be reported	Pest incidence (Nos.), damage %, Yield (nuts No/ha), BC ratio
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (PP), SMS (Hort.) and PC


FLD No.:	21
Status (New proposal/2 nd year /3 rd year)	New
Subject	Plant protection
Category:	IPM
Crop/ enterprise:	Jasmine
Farming situation	Irrigated, sandy loamy soil
Prioritized problem:	Jasmine is cultivated in about 2000 ha in the district. The crop is susceptible to mite and thrips damage to the tune of 50%.
Title	Demonstration of IPM Module for jasmine bud worm and blossom midge
Technology to be demonstrated:	IPM
Hybrid or Variety:	Variety
Source of Technology:	TNAU 2020
Description	<ul style="list-style-type: none"> ➤ Pruning after rain during November or during first week of December ➤ Setting up of light trap 1/ac ➤ Yellow sticky traps 5 /ac for Blossom Midge and Whiteflies ➤ Spraying of B.thuringiensis 2g/l or Spraying of Spinosad 0.5ml/l for bud worms ➤ Raking of top soil and Spraying of Thiamethixam 2.5 WG 1g/l or Flufenoxuron 1.5g/l for blossom midge
Potential yield	9000 kg/ ha
Critical input, quantity and cost	Bacillus thuringiensis sp. kurstaki., Azadirachtin 0.1% , YST
Farmers practice	Indiscriminate application of pesticides
Source of input	TNAU, PVT firms
Photos	
Average farmers yield	6500 kg/ha
Season	Kharif 2024
No. of Demos	10
Total cost for the Demo	Rs.20500
Parameters to be studied:	Pest incidence (No / unit area and % damage), Yield, BCR
Parameters to be reported	Pest incidence ,Yield, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (PP), SMS (Hort.) and PC


FLD No.:	22
Status (New proposal/2 nd year /3 rd year)	Direct
Subject	Home Science
Category:	Nutrition - garden
Crop/ enterprise:	Nutrition - garden
Farming situation	Rabi
Prioritized problem:	Lack of awareness about Nutrition garden
Title	Demonstration of Nutrition Garden in Schools/Anganwadi centres to increase the food and nutrition security of the children
Technology to be demonstrated:	Demonstration of crop rotation in nutritional garden Imparting knowledge of nutritive value of vegetables, fruits and greens for balanced diet
Hybrid or Variety:	-
Source of Technology:	TANUVAS, 2020
Description	Effective utilization of waste water.
Potential yield	-
Critical input, quantity and cost	Vegetable seed kit
Farmers practice	No crop rotation
Source of input	TNAU Coimbatore.
Photos	
Average farmers yield	-
Season	-
No. of Demos (replications)	10
Total cost for the Demo	Rs.20000
Parameters to be studied:	Yield , Organoleptic evaluation, BCR
Parameters to be reported	Yield , Organoleptic evaluation, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (FSN)

FLD No.:	23
Status (New proposal/2 nd year /3 rd year)	Direct
Subject	Home Science
Category:	Animal husbandry
Crop/ enterprise:	Dairy cows
Farming situation	Throughout the year
Prioritized problem:	Low milk yield of dairy cows and malnutrition of dairy cows
Title	Demonstration of TANUVAS smart mineral mixture for dairy cows
Technology to be demonstrated:	Demonstration of TANUVAS smart mineral mixture for improving production performance of Dairy cows.
Hybrid or Variety:	Smart mineral mixture
Source of Technology:	TANUVAS, 2019 , Chennai
Description	Species specific low cost mineral mixture formulated based on nutrient requirement of Dairy cows. Improves production and reproduction performance of dairy. (Farmers are using cattle MM only).
Potential yield	-
Critical input, quantity and cost	TANUVAS Smart Mineral mixture
Farmers practice	Local cattle MM only
Source of input	TANUVAS, Chennai
Photos	
Average farmers yield	Low yield of milk
Season	Throught out the year
No. of Demos (replications)	10
Total cost for the Demo	Rs.10000
Parameters to be studied:	Body weight (kg), Incidence of mineral deficiency, yield of milk, BCR
Parameters to be reported	Body weight (kg), Incidence of mineral deficiency, yield of milk, BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (FSN)

FLD on EDP Mode

FLD No.:	24
Status (New proposal/2 nd year /3 rd year)	Direct
Subject	Home Science
Category:	Variety - value addition
Crop/ enterprise:	Minor millets
Farming situation	-
Prioritized problem:	Lack of awareness of hybrid pearl millets and its value addition Additional income for millet growers. Off season employment for rural women
Title	FLD – on EDP mode Demonstration of Therapeutic and functional foods from millets to promote entrepreneurship among farm women
Technology to be demonstrated:	Unpolished millet rice, Fibre dense millet mix, RTE millet foods, Smart snack foods from millets
Hybrid or Variety:	-
Source of Technology:	CFTRI , 2020
Description	Additional income for millet growers, Off season employment for rural women Enchanting enterprise for rural youth
Potential yield	-
Critical input, quantity and cost	-
Farmers practice	Conversion millet rice and flour
Source of input	TNAU, Department of millets
Photos	
Average farmers yield	-
Season	Through the year
No. of Demos (replications)	10
Total cost for the Demo	Rs.20,000
Parameters to be studied:	Organoleptic evaluation, shelf life studies (month wise) BCR
Parameters to be reported	Organoleptic evaluation, shelf life studies (month wise) BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (FSN)

FLD No.:	25
Status (New proposal/2 nd year /3 rd year)	Direct
Subject	Home Science
Category:	Banana
Crop/ enterprise:	Banana
Farming situation	-
Prioritized problem:	Lack knowledge about increase the farmers income through value addition from banana
Title	FLD on EDP mode - Demonstration of Banana value added products for rural youth entrepreneurial development
Technology to be demonstrated:	High value added products from Banana To increase the farmers income through value addition from Jack fruits
Hybrid or Variety:	-
Source of Technology:	NRCB, 2020, Trichy
Description	Promising venture for rural youth High market potential both as domestic and export market
Potential yield	-
Critical input, quantity and cost	Banana , Sugar, preservatives, Polyethelene cover, etc.,
Farmers practice	Un organised value addition of banana in the farming community.
Source of input	Thottiyam Banana
Photos	
Average farmers yield	-
Season	Throught the year
No. of Demos (replications)	10
Total cost for the Demo	Rs.20000
Parameters to be studied:	Organoleptic evaluation, Shelf life of RTS beverages (month wise) BCR
Parameters to be reported	Organoleptic evaluation, Shelf life of RTS beverages (month wise) BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (FSN)

FLD No.:	26
Status (New proposal/2 nd year /3 rd year)	Direct
Subject	Home Science
Category:	Value addition
Crop/ enterprise:	Health mix
Farming situation	-
Prioritized problem:	Lack of knowledge about preparation of instant mix. To increase the farmers income through value addition from instant health mix
Title	FLD – on EDP mode Demonstration of enhancing women entrepreneurship through development of micronutrient rich health mixes
Technology to be demonstrated:	Nutrimix contains Moringa leaves, curry leaves powder. Health mix from germinated brown rice powder and millets
Hybrid or Variety:	-
Source of Technology:	TNAU, 2019, Coimbatore
Description	Iron, fibre rich, Nutraceutical ingredient incorporated foods are in high demand specially for supplementation to rural youth
Potential yield	-
Critical input, quantity and cost	Minor millets, green leaves, poly covers , etc.
Farmers practice	No value addition
Source of input	-
Photos	
Average farmers yield	-
Season	Through the year
No. of Demos (replications)	10
Total cost for the Demo	Rs.20,000
Parameters to be studied:	Organoleptic evaluation, shelf life studies (month wise) BCR
Parameters to be reported	Organoleptic evaluation, shelf life studies (month wise) BCR
Source of funding (KVK-Main/TSP/ /SC SP/ Project/Others (specify)	KVK Main
Team members	SMS (FSN)

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
Pulses	Black gram	Non availability of high yielding varieties	Introduction of new variety with ICM practices	variety	VBN 8/ VBN 11	TNAU 2016	Seed & crop booster with organic amendments	8 kg seed, 2 kg pulse wonder 7 organic amendments	3600	50	180000	Plant population, Yield	SMS (SST), SMS (Hort), & PC
	Total								3600	50	180000		

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
Oilseeds	Groundnut	Non availability of high yielding varieties	Introduction of new variety with ICM practices	Variety	TMV 13	TNAU	Pod	80kg	9000	25	225000	Plant population, Yield	SMS (SS) SMS (PP) &PC
Oilseeds	Sesame	Non availability of high yielding varieties	Introduction of new variety with ICM practices	Variety	VRI 4	TNAU	Seed	2 kg	6000	25	150000	Plant population, Yield	SMS (SS) SMS (PP) &PC
	Total								15000	50			

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	Unemployment among rural youth, Low income during the off season	Bee keeping	TNAU	5	5 units	Bee hive, Bee colonies	10000	SMS (PP) & PC
		Lack of nutrition to livestock in addition to concentrate feed	Azolla	TNAU	5	5 units	Azolla Bag	10000	SMS (SS) & PC
		Unemployment among rural youth, recycling of farm waste	Vermicomposting	TNAU	5	5 units	Vermicompost bag	10000	SMS (PBG) & PC
3.	FFS	<ul style="list-style-type: none"> • Improper nutrient management • Pest and diseases 	Integrated Crop Management in Groundnut	TNAU	1	0.5 ha	Biofertilizer and bio control agents	30000	SMS (PP), all SMS & PC
4.	NFDB								
5.	SERP								
6.	Any other (pl. specify)								

11. Externally funded projects

11.1. Projects summary

S.No.	Title	Funding agency	Duration in years	Year of start	Physical details (no. of programmes, participants, area etc.)	Total budget (Rs)	Current year budget (Rs)	Team Members Involved
1.	Seedhub project “Creation of Seed –Hubs for increasing indigenous production of pulses in India-Tamil Nadu and its sustenance”	GOI – NFSM	Continuous	2017	Seed production in pulses	150,00,000	100,00,000	SMS (SST) & PC
2.	IFS for wetland ecosystem	NABARD	Two years	2022 - 2024	Establishing IFS unit suitable for wetland ecosystem	21,09,000	5,00,000	PC & All SMS
3.	Out-scaling of Natural Farming	Central	Four years	2022-26	Exhibitions, gosthis , camps and distribute literature, posters and other materials on different facets of natural farming	10,70,000	2,67,000	SMS (SS&AC) & PC

11.2. Project details (Use one table per project)

Project 1

Funding Agency	NFSM, Government of India
State/Central/Over Seas	Central
Title	Creation of Seed –Hubs for increasing indigenous production of pulses in India-Tamil Nadu and its sustenance
Objectives	Production of the quality seed (FS/CS) in the pulses crops viz blackgram, greengram and redgram through seed hubs for supplying pure and high quality certified seeds to the farmers of Tamil Nadu to increase the area, production and productivity of pulses
Study area	Andhanallur, Lalgudi blocks
Methodology	Farmers participatory seed production of blackgram and greengram
Team Members	SMS (SST) & PC
Budget	100,00,000/-

Project 2

Funding Agency	NABARD
State/Central/Over Seas	Central
Title	IFS for wetland ecosystem
Objectives	Establishing IFS unit suitable for wetland ecosystem
Study area	5 wetland blocks of Trichy district
Methodology	Demonstration
Team Members	PC & All SMS
Budget	Rs.21,09,000/-

Project 3

Funding Agency	Division of Agricultural Extension, ICAR, New Delhi
State/Central/OverSeas	Central
Title	Out-scaling of Natural Farming
Objectives	To create awareness on natural farming through training, awareness programme and demonstration <i>etc.</i> , To promote the natural farming among farmers
Study area	Trichy, Tamil Nadu
Methodology	The KVKs will conduct exhibitions, gosthis, camps and distribute literature, posters and other materials on different facets of natural farming Training will be 2 days for 40 farmers KVK will lay out demonstrations at farmers fields
Team Members	PC & SMS (SS&AC)
Budget	10.7 lakhs (4 years)

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	Lack of knowledge on seed production	-	Seed Production techniques in paddy	2	60	SMS (SST),SMS (PBG)SMS (SS&AC) & PC
		Pulses	Lack of knowledge on seed production	OFT	Seed Production techniques in Pulses	2	60	SMS (SST),SMS (PBG)SMS (SS&AC) & PC
		Oilseeds	Lack of knowledge on seed production	OFT	Seed Production techniques in Oilseeds	2	60	SMS (SST),SMS (PBG)SMS (SS&AC) & PC
		Millets	Lack of knowledge on seed production	-	Seed Production techniques in millets	2	60	SMS (SST) & PC
		Maize	Lack of knowledge on seed production	FLD	Seed Production techniques in Maize	2	60	SMS (SST) & PC
		Green manure crops	Lack of knowledge on seed production	-	Seed Production techniques in Green manurecrops	2	60	SMS (SST) & PC
2.	Horticulture	Vegetables	Low field withstand and yield	OFT	Protray Nursery production	2	60	SMS (Hort.), SMS (SST) & PC
		Coconut	Button shedding	-	Coconut cultivation technologies	2	60	SMS (SST) & PC

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
		Vegetables	Low productivity	FLD	Precision farming technologies	2	80	SMS (Hort.), SMS (SS) & PC
		Fruits	Low productivity and poor quality of the fruits		Recent technologies in Banana cultivation	2	60	SMS (Hort.), SMS (SS), SMS (PP) & PC
		Flowers	Low productivity and poor quality of the fruits		INM and IPM practices for the cultivation of Jasmine and Ixora	2	60	SMS (Hort.), SMS (PP) & PC
		Flowers	Low productivity, nutrient mangement	-	Recent technologies in Flower crops cultivation	2	80	SMS (SS&AC), SMS (Hort) & PC
3	Soil Health and Fertility Managem ent	Soil Health	Massive Amount of Fertilizer Application	OFT	INM in cereal crops	5	150	SMS (PBG), SMS (SS) & PC
		Soil Health	Indiscriminate usage of inorganic fertilizers create soil pollution and inturn enters to human food chain	FLD	INM and ICM in maize and oilseeds	5	150	SMS (SS), SMS (PBG) & PC

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
		Nutrient management	Lack of knowledge on nutrient management	OFT	INM in agricultural crops	2	70	SMS (SS) & PC
4	Livestock Production and Management	Animal health	Lack of knowledge about management of dairy cows	FLD - Demonstration of TANUVAS smart mineral mixture for dairy cows	Management Technology of dairy cows	2	100	SMS (FSN)
		Poultry	Lack of knowledge on livestock maintenance	-	Backyard poultry rearing	2	80	SMS (PP), PC
		Goat and Sheep rearing	Lack of knowledge on livestock maintenance	-	Profitable Goat and Sheep rearing	2	60	SMS (PBG), SMS (SS&AC) & PC
5	Home Science/Women empowerment	Value Addition	Lack of knowledge about processing of fruits and vegetables	FLD on EDP mode	Value addition of papaya and its marketing techniques	5	200	SMS (FSN)
		Value Addition of minor	Lack of knowledge about millets	FLD – on EDP mode	Value addition from fruits and vegetable and its	5	200	SMS (FSN)

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
		millets	cookies preparation		marketing techniques			
6	Agril. Engineering	Farm implements	Lack of knowledge on maintenance	-	Repair and maintenance of farm machinery	1	40	SMS (SST) & PC
7	Plant Protection	Paddy	Pest and Diseases	-	IPDM	2	60	SMS(PP) & PC
		Jasmine	Pest and Diseases	FLD	IPDM	2	60	SMS(PP) & PC
		Cotton	Pest and Diseases	OFT	IPDM	2	60	SMS(PP) & PC
		Brinjal	Pest and Diseases	OFT	IPDM	2	60	SMS(PP) & PC
		Groundnut	Pest and Diseases	OFT	IPDM	2	60	SMS(PP) & PC
		Chillies	Pest and Diseases	FLD	IPDM	2	60	SMS(PP) & PC
		Coconut	Pest and Diseases	FLD	IPDM	2	60	SMS(PP) & PC
		Mulberry	Pest and Diseases	FLD	IPDM	2	60	SMS(PP) & PC
8	Fisheries							
9	Production of Inputs at site	Vermicompost	Recycling of farm waste	-	Vermicompost production	2	60	SMS(PBG) & PC
		Azolla	Poor nutrient in livestock	-	Azolla production	1	40	SMS(SS) & PC
10	Capacity Building and Group	-	-	-	-	-	-	-

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
	Dynamics							
11	Agro-forestry	Tree crops	Poor nursery maintenance	-	Tree seedling production	2	80	SMS(SS) & PC
12	Others (Specify)	Silkworm rearing	Low productivity	-	Silkworm rearing techniques	1	30	SMS(PP) and PC
	TOTAL					75	2500	

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	-	-	-	-	-	-	-
2	Training and pruning of orchards	Training, pruning and canopy management	Low productivity		Canopy management fruit crops	1	25	SMS (Hort.) & PC
3	Protected cultivation of vegetable crops	-	-	-	-	-	-	-
4	Commercial fruit production	-	-	-	-	-	-	-
5	Integrated farming	-	-	-	-	-	-	-

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
	Seed production	Paddy	Lack of Knowledge on seed production	FLD	Quality seed production techniques in Paddy	1	25	SMS (SST) & PC
6	Production of organic inputs	Organic inputs	Soil pollution	OFT	Organic production in pulses	1	20	SMS (SS), SMS (PBG), PC
7	Planting material production	Propagation techniques in Horticultural crops	For getting additional income		Vegetative propagation in fruit crops	1	25	SMS (Hort.) & PC
8	Vermi-culture	Vermi-culture	Improvement of soil fertility and soil health management	OFT	Organic production techniques in Millets	1	25	SMS (PBG), SMS (SS), PC
9	Mushroom Production	Mushroom	Lack of Knowledge	-	Mushroom Cultivation Technologies	2	50	SMS(PP) and PC
10	Bee-keeping	Bee keeping	Lack of Knowledge	-	Bee keeping	2	50	SMS(PP) and PC
11	Sericulture	-	-	-	-	-	-	-
12	Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-

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
13	Value addition	Value Addition of fruits and minor millets	Lack of knowledge on fruits and millets cookies preparation	FLD on EDP mode -	Value addition and its marketing techniques	1	30	SMS (FSN)
14	Small scale processing	-	-	-	-	-	-	-
15	Post Harvest Technology	-	-	-	-	-	-	-
16	Tailoring and Stitching	-	-	-	-	-	-	-
17	Rural Crafts	-	-	-	-	-	-	-
18	Production of quality animal products	-	-	-	-	-	-	-
19	Dairying	-	-	-	-	-	-	-
20	Sheep and goat rearing	-	-	-	-	-	-	-
21	Quail farming	-	-	-	-	-	-	-
22	Piggery	-	-	-	-	-	-	-
23	Rabbit farming	-	-	-	-	-	-	-
24	Poultry production	-	-	-	-	-	-	-
25	Ornamental fisheries	-	-	-	-	-	-	-
26	Composite fish culture	-	-	-	-	-	-	-
27	Freshwater prawn culture	-	-	-	-	-	-	-
28	Shrimp farming	-	-	-	-	-	-	-

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
29	Pearl culture	-	-	-	-	-	-	-
30	Cold water fisheries	-	-	-	-	-	-	-
21	Fish harvest and processing technology	-	-	-	-	-	-	-
32	Fry and fingerling rearing	-	-	-	-	-	-	-
33	Any other (pl. specify)	-	-	-	-	-	-	-
	Total					10	250	

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	Advanced seed production techniques in pulses and Oilseeds	1	25
2	Integrated Pest Management	Integrated Pest Management in Agricultural & Horticultural crops	1	30
3	Integrated Disease Management	-	-	-
4	Integrated Nutrient management	Integrated Crop Management in Agricultural crops	1	20
		INM in cotton and groundnut	1	30
5	Rejuvenation of old orchards	-	-	-
6	Protected cultivation technology	-	-	-

S. No	Thematic area	Training Course Title	No. of Courses	No. of Participants
7	Production and use of organic inputs	Production technology of organic inputs	1	25
8	Care and maintenance of farm machinery and implements	-	-	-
9	Gender mainstreaming through SHGs	-	-	-
10	Formation and Management of SHGs	-	-	-
11	Women and Child care	Supplementary food preparation for locally available minor millets	1	20
12	Low cost and nutrient efficient diet designing	-	-	-
13	Group Dynamics and farmers organization	-	-	-
14	Information networking among farmers	-	-	-
15	Capacity building for ICT application	-	-	-
16	Management in farm animals	-	-	-
17	Livestock feed and fodder production	-	-	-
18	Household food security	-	-	-
19	Any other (pl. specify)	-	-	-
	Total		6	150

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	Quality Seed production techniques	2	1	ICAR	20	SMS(SST)& PC
2	On campus training on composting technology	2	1	ICAR ATARI outscaling of Natural farming	20	SMS (PBG), PC, SMS (SS)
3	On campus training on Natural farming	2	1	ICAR ATARI outscaling of Natural farming	20	SMS (SS), PC
4	Importance of soil and water testing	2	1	ATARI	20	SMS (SS), PC
5	Mushroom Production Techniques	2	1	ICAR	20	SMS (PP) & PC
6	Value added products from locally available minor millets	3 days	1	ICAR	20	SMS (FSN)
	Total		6		120	

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.	Organic farming	Organic input production	2	*SHGs	30	SLRM	SMS (PBG), PC, SMS (SS)
2.	Natural farming	Natural farming	4	Krishi Sakhis	120	TNSRLM	SMS (PBG), SMS (PP) PC

*SHGs, NYKs, Women, Youth etc.

13. Extension programmes planned during 2024-25

S. No.	Extension programme	No. of programmes	No. of Participants	Team member involved
1	Advisory Services	75	300	All SMS, PAs& PC
2	Diagnostic visits	100	250	All SMS, PAs& PC
3	Field Day	15	300	All SMS, PAs& PC
4	Group discussions	10	100	All SMS, PAs& PC
5	Kisan Ghosthi	2	200	All SMS, PAs& PC
6	Film Show	2	150	All SMS, PAs& PC
7	Kisan Mela	5	1000	All SMS, PAs& PC
8	Exhibition	10	750	All SMS, PAs& PC
9	Scientists' visit to farmers field	300	1000	All SMS, PAs& PC
10	Plant/Soil health/Animal health camps	3	150	All SMS, PAs& PC
11	Ex-trainees Sammelan	2	50	All SMS, PAs& PC
12	Farmers' seminar/workshop	5	1000	All SMS, PAs& PC
13	Method Demonstrations	20	500	All SMS, PAs& PC
14	Celebration of important days	5	250	All SMS, PAs& PC
15	Special day celebration	5	250	All SMS, PAs& PC
16	Exposure visits	2	300	All SMS, PAs& PC
17	Technology week	1	50	All SMS, PAs& PC
18	FFS	1	25	All SMS, PAs& PC
19	Farm innovators meet	1	30	All SMS, PAs& PC
20	Awareness programs	10	300	All SMS, PAs& PC
21	Lecture delivered	30	600	All SMS, PAs& PC
22	TV/Radio Programme	10	500	All SMS, PAs& PC
23	News clips	100	1000	All SMS, PAs& PC
24	Popular Articles	100	1000	All SMS, PAs& PC
25	Research Article	10	-	All SMS, PAs& PC
26	Extension Literatures	15	1000	All SMS, PAs& PC
27	Kisan Mobile Advisory Services	50	100000	All SMS, PAs& PC
	Other Mobile Advisory	300	3000	All SMS, PAs& PC
	Total	1189	114055	

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

14.1. Technological knowledge

S. No.	Category	Details of technologies	Area (ha)/ Number	Names of the team members involved
1.	Nutrient management	TNAU Crop Boosters	10	PC, SMS(SS)
2.	Organic inputs	Organic inputs production technologies	1	SMS (PBG), SMS (SS) & PC
3.	Mushroom	Mushroom cultivation technologies	2	SMS (PP) & PC
4.	Apiculture	Honey bee rearing techniques	2	SMS (PP) & PC

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

S. No.	Category	Name of the product	Quantity (q) or Nos.	Names of the team members involved
1	Seeds	Paddy seeds	40 q	SMS(SST), SMS (PBG) FM& PC
		Black gram seeds	5 q	SMS(SST), FM& PC
		Green manure seeds	10 q	SMS(SST), FM& PC
		Velimasal seeds	0.1 q	SMS(SST), FM& PC
2	Planting materials	Fodder slips	2000 Nos.	SMS (SST), FM& PC
		Vegetable seedlings	2000 Nos.	SMS (Hort.) & PC
		Medicinal & Ornamental plants	2000 Nos.	SMS (Hort.) & PC
		Coconut Seedlings	500 Nos.	SMS(SST), FM& PC
		Tree seedlings	500 Nos.	SMS (SS) & PC
3	Livestock	Goat	25 Nos.	FM, FS & PC
		Sheep	25 Nos.	FM, FS & PC
		Poultry	500 Nos.	FM, FS & PC
		Egg hatchery	250 Nos.	FM, FS & PC
		Egg	100 Nos.	FM, FS & PC
		Fish	20 kg	FM, FS & PC
4	Bio products	Vermicompost	50 q	SMS (PBG) & PC

S. No.	Category	Name of the product	Quantity (q) or Nos.	Names of the team members involved
		Coir pith compost	10 q	SMS (SS) & PC
		Azolla	100 kg	SMS (SS) & PC
5	Other inputs	Crop Boosters	500 Kg	SMS (SS) & PC
		Oyster Mushroom	50 kg	SMS(PP), FM& PC
		Honey	5 kg	SMS (PP), FM& PC
		Value added products	25 kg	SMS (FSN) & PC
		Fruits & Vegetables	100 kg	SMS (Hort.) & PC
		Custom hiring of farm implements	50 days	SMS (SST), FM& PC
6	Paid Training	Mushroom Production	4 Nos.	SMS(PP)& PC
		Bee Keeping	4 Nos.	SMS (PP)& PC

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 department	Short duration super fine grain rice variety	SMS (PBG) & PC
2.	Soil fertility improvement	Different biofertilizers use in agriculture	SMS (PBG) & PC
3.	Soil fertility improvement	Organic input production methodology like vermicomposting and other inputs	SMS (SS) & PC
4.	Agricultural department	Nutrient deficiency management	SMS (SS) & PC
5.	Horticultural department	Nutrient deficiency management	SMS (SS) & PC
6.	Veterinary department	Livestock production and management	SMS (Hort.) & PC
7.	Fishery department	Aquaculture	SMS (Hort.) & PC
8.	Agriculture department	Pest of agricultural crops and their management	SMS(PP)& PC
9.	Horticultural department	Pest of agricultural crops and their management	SMS(PP)& PC
10.	National Seed Corporation	Seed production techniques	SMS (SST) & PC

14.3.2. Publications planned

S. No	Category of publication	Number	Names of the team members involved
1.	Popular Articles	100	All SMS & PC
2.	Research Article	10	All SMS & PC
3.	Book with ISBN	5	All SMS & PC
4.	Book without ISBN	5	All SMS & PC
5.	Book chapter	5	All SMS & PC
6.	Folder	20	All SMS & PC
7.	Leaf lets / pamphlets	30	All SMS & PC
8.	Abstracts	10	All SMS & PC
9.	Booklet	10	All SMS & PC
10.	Manuals	5	All SMS & PC

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	Promotion of Sugarcane booster	CAT programme for the awareness for farmers on Sugarcane booster	125,000	PC, SMS (SS) & SMS (PP)
2.	DCCD, Kochi	Seminar / training on cashew cultivation	Training on cashew production to tribal farmers	100,000	SMS (Hort.), SMS (PP) & PC
3.	MANAGE	Natural farming	Training on organic millet cultivation	50,000	SMS (PBG), PC, SMS (SS)

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.)
1500485.37	2290329	2967065.50	823748.87

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.	Seed Production in Paddy	1500 kg	50000	SMS (PBG)
2.	Vermicompost and organic input production	5000 kg	50000	SMS (PBG)
3.	Crop Boosters	500	1,00,000	SMS (SS)
4.	Paid trainings	-	50,000	SMS (PP)

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	Min soil testing lab			
		Traditional lab	250	250	SMS (SS), PA(T)
		AAS			
2	Water		100		SMS (SS), PA(T)
3	Plant				

18. Plan of activity for Institutional Farm

S. No.	Activity	Area (ha)	Names of the team members involved
1.	Seed Production in paddy	1	SMS(SST), FM
2.	Seed Production in Green manure	1	SMS(SST), FM
3.	Seed Production in pulses	1	SMS(SST), FM
4.	Fodder slips	25 cent	SMS(SST), FM

19. Demonstration units in KVK premises

S. No.	Name of Demo unit	Capacity for production	Names of the team members involved
1.	Vermicompost unit	5000 kg	SMS (PBG) & SMS (SS), PC
2.	Vermiwash unit	50 litres	SMS (PBG) & SMS (SS), PC
3.	Organic input production	500 litres	SMS (SS) & SMS (PBG), PC
4.	Natural Farming	-	SMS (PBG) & SMS (SS), PC

S. No.	Name of Demo unit	Capacity for production	Names of the team members involved
5.	Azolla unit	100 kg	SMS (SS), PC
6.	VAM production unit	-	SMS (SS), PC
7.	Coir composting Unit	100 kg	SMS (SS), PC
8.	Mushroom unit	50 kg	SMS (PP), PC
9.	Honey bee unit	5 kg	SMS (PP), PC
10.	Bio Repellent plants unit	-	SMS (PP), PC
11.	Coconut nursery	500 Nos.	SMS (SST), PC
12.	Fodder unit	1000 Nos.	SMS (SST), PC
13.	Farm machinery unit	-	SMS (SST), PC
14.	Kitchen garden	-	SMS (Hort.), PC
15.	Shadenet nursery	1000 Nos.	SMS (Hort.), PC
16.	Guava HDP	-	SMS (Hort.), PC
17.	Acid lime UHDP	-	SMS (Hort.), PC
18.	Roof garden	-	SMS (Hort.), PC
19.	Vertical garden	-	SMS (Hort.), PC
20.	Food science lab	-	SMS (FSN), PC
21.	Crop Cafeteria	40 q	FS, FM, PC
22.	IFS unit		FS, FM, PC
	Goat	6 Nos.	
	Sheep	5 Nos.	
	Poultry	200 Nos.	
	Cow	1000 lit milk	

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

Activity	Particulars	No. of farmers in database/ involved in activity/ downloads/ users etc
Website	Link: https://tnau.ac.in/kvk-trichy/	1000
Mobile App	Name and link	-
ICT initiative		
KVK portal (update status)	Infrastructure details & photos uploaded (no): 21 Events uploaded: 350 News items submitted:40	2000
KVK mobile App of	Downloaded and used by scientists	7

ICAR	(no.)	
Other mobile Apps in use by KVK	TNAU expert system, kissan suvida, ulavan app	250
mKisan of DAC & FW	Kisan sarathi	117227
Social media		
a) WhatsApp groups	No. of groups/KVK: 15	3419
b) Facebook	Link: https://www.facebook.com/kvk.try.3	500
c) Twitter	Handle name:ICAR-Krishi Vigyan Kendra-Trichy@kvktry	50
Membership / participation in online digital platforms for services/ marketing etc.		
KVK Blogs etc.		
Collaboration with public/ private firms for audio/ video conferencing etc	Agency: AIR, Tiruchirappalli MoU (yes/no): No No. of programs done:10	1000
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.	Integrated Crop Management	Integrated Crop Management in Groundnut	30	0.40

Details of FFS

1. Season: *Kharif*, Period : 4 months
2. Periodicity of the session: Once in a fortnight
3. Name of the village: Musiri, Musiri block, Tiruchirappalli District
4. Number of participants: 30 Nos.
5. Name of the Facilitators: PC & all SMS
6. Area of the FFS field: 0.4 ha
7. Major problems in the FFS village relevant to the crop/enterprise:
 - i. Nutrient deficiency due to Improper nutrient management
 - ii. Pest and disease incidence
 - iii. Lack of awareness on post harvest technology

8. Objectives of the FFS:

- i. To create awareness on INM through results demonstration
- ii. To facilitate the farmers on pest and disease management
- iii. To impart technical knowledge on Groundnut candy making

1. FFS schedule:

Session	Activity
Session 1	<ul style="list-style-type: none">➤ PRA for problem identification & Group formation➤ Importance of soil test and soil sampling
Session 2	<ul style="list-style-type: none">➤ Crisis Management➤ Management Time tables
Session 3	<ul style="list-style-type: none">➤ Varieties➤ Season & Climate➤ Land Preparation
Session 4	<ul style="list-style-type: none">➤ Crop Establishment➤ Integrated Nutrient Management➤ Importance of TNAU Groundnut Rich
Session 5	<ul style="list-style-type: none">➤ Water Management➤ Weed Management
Session 6	<ul style="list-style-type: none">➤ Pest Management➤ Disease Management
Session 7	<ul style="list-style-type: none">➤ Harvesting and storage➤ Marketing and Economics
Session 8	<ul style="list-style-type: none">➤ Groundnut candy preparation➤ Value addition➤ Field day➤ Post evaluation & impact analysis

12. Budget breakup for FFS programme

S.No.	Items	Amount (Rs.)
1.	Refreshment @Rs.30/trainee for 8 number of programmes (30 farmersx30x8)	7200/-
2.	Front Line Demonstration plot at 0.4 ha (Bacillus/Pseudomonas)	4500/-
3.	Distribution of training materials @ Rs.450/ head (Groundnut Rich)	13500/-
4.	Distribution of technical materials (literature) @ Rs.75/head for 30 trainees	2250/-
5.	Field day	1150/-
6.	Contingency , documentation and Miscellaneous	1400/-
	Total expenditure	30,000/-

22. Details of Innovative Farmers network established

We will plan to develop knowledge clusters in 14 blocks of Trichy district. In each cluster maintenance 30 innovative farmers from the blocks in every month invite the innovative farmers from the cluster and train them about the newly developed technologies of TNAU and ICAR. The trainers will train to other farmers from their villages. From this network the technologies will reach all the villages of blocks of the district.

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

S. No	Particulars	Sanctioned Grant for 2023-24	Released for 2023-24	Expenditure for the period from 1-4-2023 to 31-3-2024
A	<u>RECURRING</u>			
1	Pay & Allowances	24840000	24840000	25468507
2	Travelling Allowances	363000	363000	363000
	a) Field activities & programmes			
	b) Training programmes			
3	<u>Contingencies</u>			
A	<i>Office Contingencies</i>	700000	700000	700000
B	<i>Technical Programmes including TSP/ SCSP</i>	1500000	1500000	1500000
	Total of Contingencies	2200000	2200000	2200000
	Sub Total of Recurring Items (2+3)	2563000	2563000	2563000
4	<u>NON-RECURRING CONTINGENCIES:</u>			
	Minor repair renovations	300000	300000	300000
	SCSP Component	411000	411000	411000
	Sub Total of non-recurring Items (4)	711000	711000	711000
5	GRAND TOTAL	28114000	28114000	28114000

24. Details of Budget Estimate (2024-25) based on proposed action plan

S. No	Particulars	Budget Estimate for 2024-25
A	<u>RECURRING ITEMS</u>	
1	Pay & Allowances	26796000
2	Travelling Allowances	150000
a	Field activities & programmes	
b	Training programmes	
3	<u>Contingencies</u>	
	<u>Office Contingencies</u>	250000
a	Stationery, telephone, stamps and other expenditure on office running	
b	POL, repair of vehicles, tractor and equipment including hiring of vehicle	
4	Technical Programmes	400000
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	

S. No	Particulars	Budget Estimate for 2024-25
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	400000
	Recurring SC SP General	650000
	Total of Recurring Items	1450000
B	<u>NON-RECURRING ITEMS:</u>	
a	Works	
b	Vehicle (Jeep/Tractor/2 Wheeler)	
c	Furniture	
d	TSP (creation of physical assets)	
e	SCSP Component	311000
	Total of Non-Recurring Items	311000
	GRAND TOTAL (A+B)	28557000

Signature of the Senior Scientist and Head of the KVK

Forwarded

Verified

Approved

[DEE/Chairman]

[Nodal Officer (ATARI)]

[Director (ATARI)]