KVK TUMAKURU I

ANNUAL REPORT- 2024

(FOR THE PERIOD FROM 01 January, 2024 TO 31 December, 2024)

UNIVERSITY OF AGRICULTURAL SCIENCES, BANGALORE
ICAR-KRISHI VIGYAN KENDRA, TUMAKURU - I
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PART I – GENERALINFORMATION ABOUT THE KVK

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

KVK Address	Telephone		E mail	Web Address
	Office	Fax		
ICAR – Krishi Vigyan Kendra, Konehalli, Tiptur, Tumakuru district - 572201	9449866936	-	kvktumkur@gmail.com, kvk.Tumakuru1@icar.gov.in	http://kvktumakuru.org/

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

Address	Telephone		E mail	Web Address
	Office	Fax		
University of Agricultural Sciences, GKVK Bangalore	080-23332442 09449866900	080-23332442	vc@uasbangalore.edu.in	www.uasbangalore.edu.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Govinda Gowda V.	-	9449866936	vgovindagowda@gmail.com

1.4. Year of sanction: 2004

1.5. Staff position as on 31 December 2024

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/ F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Head/Senior Scientist	Dr. Govinda Gowda V.	Senior Scientist& Head	M	Agril. Extn.	M.Sc (Agri.), Ph.D.	144200-218200	1,62,300	15.12.2021	Permanent	OBC
2	Scientist/SMS	Dr. Shivappa Nayaka H B	Scientist	M	Animal Science	M.V.Sc., Ph.D (Poultry Science)	57,700-1,82,400	79,800	24-10-2013	Permanent	ST
3	Scientist/SMS	Mr. Manoj H	Scientist	M	Plant Protection	M.Sc (Agri.)	57,700-1,82,400	61,200	14-07-2022	Permanent	SC
4	Scientist/SMS	Dr. Tasmiya kowsar	Scientist	F	Agronomy	M.Sc. (Agri.) Ph.D.	57,700-1,82,400	62,300	01-08-2022	Permanent	Others
5	Scientist/SMS	Mr. Darshan M E	Scientist	M	Agril. Extn	M.Sc (Agri. Extn.),	-	40,000	26-10-2021	Temporary	OBC
6	Scientist/SMS	Dr. Sindhu P.B.	Scientist	F	Home Science	MH.Sc. (Agri.), Ph.D.	-	45,000	07-08-2024	Temporary	OBC
7	Scientist/SMS	Dr. Keerthi Shankar K	Scientist	M	Horticulture	M.Sc. (Hort.), Ph.D. (Horticulture)	-	45,000	18.04.2023	Temporary	OBC

	Scientist/SMS	Vacant	Scientist	-	Soil Science	-	-	-	-	-	-
8	Programme Assistant (Lab Tech.)	Mr. Shreeshil Rajashekhar Hanjagi	Programme Assistant (Lab Tech.)	M	-	M.Sc (Agri.)	-	26,400	05-08-2024	Temporary	OBC
9	Programme Assistant (Computer)	Mr. Pradeep Kumar. H	Programme Assistant (Computer/ STO)	M	-	MCA	56100-177500	61,300	22-01-2011	Permanent	SC
10	Programme Assistant/ Farm Manager	Dr. Sathish H.S.	Farm Manager	M	-	M.Sc (Agri. Extn.), Ph.D.	35400-112400	37,600	15-07-2022	Permanent	Others
11	Assistant	Mr. Santhosh Kumar M.P.	-	M	-	M Com	-	26,400	01-06-2018	Temporary	Others
12	Jr. Stenographer	Ms. Shama Naz	-	F	-	B.Sc. (Agri. Biotechnology)	-	24,008	25-08-2020	Temporary	Others
13	Driver - 1	Mr. B. Mallikarjunaiah	-	M	-	SSLC	27650-52650	63,840	18-02-2010	Permanent	Others
14	Driver - 2	Mr. Harish B N	-	M	-	PUC	-	19,140	09-06-2017	Temporary	Others
15	SS-1	Mr. L. Manjaiah	-	M	-	SSLC	18600-32600	40,300	20-10-2008	Permanent	SC
16	SS-2	Mr. Rudresha	-	M	-	PUC	-	15,840	03-03-2018	Temporary	Others

1.6. Total land with KVK (in ha): 23ha

S. No.	Particulars	Area (ha)
1	Under Buildings	03
2.	Under Demonstration Units	
3.	Under Crops	20
4.	Orchard/Agro-forestry	
5.	Others	

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR UAS	22.02.2012	-	55,00,000 25,00,000	-	-	-
2.	Farmers Hostel	ICAR	22.12.2012	550	53,00,000	-	-	-
3.	Staff Quarters	Nil						
4.	Demonstration Units					-	-	-

	Dairy unit	UAS	2009	-	-	-	-	-
	Sheep unit	UAS	2009	-	-	-	-	-
	Poly house	NHM	2011	-	-	-	-	-
	Green House	NHM	2011	-	-	-	-	-
	Vermi Compost Unit	NHM	2015	-	-	-	-	-
	Bio Digester	ICAR	2015	-	-	-	-	-
	IFS Demonstration unit	ICAR	2015	-	-	-	-	-
	Krishi Bhagya Model	GOK	2016	-	-	-	-	-
	Millet Processing unit	UAS	2019	-	-	-	-	-
	Terrace garden	UAS	2023	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km's Run	Present status
JeepMahindra BOLERO	2017	6,66,162	2,23,602	Working
Tractor Massey Ferguson	2002	3,80,000	3146.2	Working
BikeTVS Star City (ICAR, 79 / III)	2006	40,000	76580	Working
Honda Activa (ICAR, 7 / IV)	2009	50,000	49,500	Not Working

C) Lab equipment & AV aids

Name of the equipment	Year of purchase	Quantity (No.)	Cost (Rs.)	Present status
Photo Copier (Toshiba)	30-03-2009	1	77,954	Not working
Generator (10 KV)	01-04-2002	1	86,100	Not working
Over Head Projector (OHP)	28-05-2002	1	15,976	Good
Camera Pentax –SLR	31-07-2002	1	25,000	Not working
Public Address System	31-07-2002	1	21,500	Good
Kodak Ektalite Slide Projector with slide tray	05-04-2003	1	47,125	Not working
Philips TV 21 inches + VGuard Stabilizer	20-05-2003	1	12,513 + 882	Not working
Philips DVD Player 625 K	20-05-2003	1	8,276	Not working
LYNX Stevenson Screen Single	04-07-2003	1	6,000	Good
Nova easy carry display system (1 set)	06-01-2003	1	14,000	Good

Nova cardinal writing board (3’ x 4’)	05-04-2003	1	5,742	Good
HP Deskjet 3745 Printer	12-03-2005	1	3,400	Good
HP Scanjet 2400 Scanner	12-03-2005	1	4,400	Not working
Thoshiba Projector	14-06-2007	1	60,106	Good
Panasonic fax machine	21-01-2011	1	15200	Good
HP Lasejet 1020plus printer	28-02-2012	1	7,350	Good
Computer (Intel Pentium)	21-01-2013	1	14000	Good
CANON Laser printer	21-01-2013	1	5200	Good
Digital Sony camera MDSEW 320	21-01-2013	1	25000	Not working
Acer desktop computer	28-02-2013	1	32,150	Good
DSC coolpix S 6300 NIKON digital camera	07-03-2013	1	10,490	Not working
NIKON coolpix P530 camera	13-03-2013	1	19,991	Not working
Epson multifunction printer	Feb.2016	1	13,999	Good
Seagate external hard drive	Feb.2016	1	6,500	Good
Xerox machine	Mar.2016	1	99,000	Good
Kent water guard	Nov.2016	1	16,000	Not working
Digital electrical conductivity meter	11-03-2017	1	15,845	Good
UPS system	Jan.2017	1	81,994	Good
Trolley Speakers	March 2017	1	18,000	Good
Projector screen	Jan. 2017	1	5,500	Good
Computers	Feb.2017	1	80,971	Good
Interactive Board	Mar.2017	1	30,595	Good
CCTV camera	Mar.2017	10	59,513	Good
Mini Laptop	March 2017	1	14,028	Good
Tablet	March 2017	1	8,177	Good
Office Chairs	Feb.2017	10	59,991	Good
AC unit	March 2017	1	27,995	Good
Kiosk Tent	March 2017	1	10,000	Good
Neelkamal Chairs	March 2017	20	10,611	Good
Projector screen	Jan.2017	1	5,500	Good
FTTH connection	March 2019	1	12,000	Good
Epson L655 printer	02-11-2019	1	29568	Good
Dell incpim intel core	07-11-2019	1	50600	Good
4TB segate external hard disc	07-11-2019	1	11800	Good
Electronic balance	13-11-2019	1	46080	Good
Digital conductivity meter	18-12-2021	1	23600	Good
Dell laptop intercore	06-03-2022	1	49000	Good
Aluminium sliding window	13-12-2023	1	16042	Good
pH meter electrode system	21-12-2023	1	33276	Good
TDS meter	2024	1	2800	Good
Orbital shaker	2024	1	11,000	Good

Soil moisture kit	2024	1	3,000	Good
Soil organic carbon estimation kit	2024	1	2,800	Good

D) Farm equipment and implements

Name of the equipment/implement	Year of purchase	Quantity (No.)	Cost (Rs.)	Present status
Trolley Stand	05/04/2003	1	7,655	Good
Bee hive boxes (12 nos.)	06/01/2003	12	7,800	Good
Honda weed cutter	17/02/2009	1	30,000	Good
Chaff cutter machine	01/02/2016	1	25,300	Good
Hydrophonic unit	01/03/2017	1	70,000	Good
power sprayer	12/02/2021	1	20,000	Good
Chainsaw petrol engine	12/02/2021	1	19,500	Good
Rigid cultivator	12/02/2021	1	34,500	Good
7 HP power weeder	27/03/2021	1	99,000	Good
Weed cutter	04/02/2022	1	29,900	Good
11 disc harrow	04/02/2022	1	55,357	Good
3 HP chaff cutter	04/02/2022	1	33,839	Good
Earth auger	24/02/2022	1	25,422	Good
Hedge Trimmer	24/02/2022	1	21186	Good
Harvesting pole	24/02/2022	1	27000	Good
Milking machine	24/02/2022	1	40,000	Good
carbon fiber pole	24/02/2022	1	49,900	Good
Venture spray pole premium SVPL	30/07/2022	1	12,000	Good
ARS Arecanut plates making machine	28/07/2023	1	1,49,000	Good
Bike trolley	18/02/2023	1	29,972	Good
Double wheel trolley	08/03/2023	1	10,000	Good
Agrimate Coconut shredder	28/04/2023	1	78,000	Good
Tender coconut cutting machine	18/06/2023	1	8,500	Good
Push type brush cutter	28/09/2023	1	20,000	Good
Battery sprayer secateurs Hand garages	26/08/2024	1	6,250	Good
coconut climbing machine	27/08/2024	2	8,600	Good
M B Plough	26/06/2024	1	80,000	Good
Coconut dehusking machine	27/07/2024	1	2,20,000	Good

1.8. Details of SAC meeting organized

Date	Number of Participants	Salient Recommendations	Action taken	Remarks, if any
31/01/2024	40	Conduct training programmes on “Value Addition” to selected FPOs under KVK Tiptur jurisdiction.	Conducted training programme, extension activities and demonstration through FLD,	--

		Organize training programme on “procedures for packing and systematic transportation of value added products” to Self Help Groups. Publish hand book of successful entrepreneurs and progressive farmers. Prior intimation of KVK activities to the concerned line departments (month wise). Organize two training programmes for farmers with financial assistance of NABARD, Tumkur. Conduct training programme on sandalwood, protection and post-harvest technologies in collaboration with Forestry Department Make correspondence to Block Education Officer (BEO) to organize educational tour for school children to KVK, Tiptur. Conduct FLD / OFT on fodder crops Purchase Coconut dehusking machine and conduct demo to the farmers on its operation and uses.	OFT and EDP and presented in 18th SAC meeting held on 27/01/2025.	

PART II - DETAILS OF DISTRICT

2.1 **Major farming systems/enterprises (based on the analysis made by the KVK)**

S. No	Farming system/enterprise
1.	Finger millet, Paddy, Ground nut, Redgram, Coconut, Vegetables, Arecanut, Dairying, Sericulture

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

S. No	Agro-climatic Zone	Characteristics
1	Central DryZone (Zone - 4) Madhugiri, Pavagada, Sira, Koratagere, and C.N. Halli taluks	Red sandy soil mixed with clay soil and patches of black soil Average rain fall 606.81 mm Source of irrigation are small tanks &borewells
2	Eastern DryZone (Zone -5) Tumakuru and Gubbi taluk	Red clay loam and clay lateritic soil Average rainfall 768.16 mm Source of irrigation are tanks, wells and borewells
3	Southern DryZone (Zone-6) Kunigal, Tiptur and Turuvekere taluk	Red sandy soil mixed with clay soil. Average rainfall 750.56 Source of irrigation are small tanks and borewells

S. No	Agro ecological situation	Characteristics
1.	-	-

2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in ha
1	Red sandy loam	Soil contains 75-80% sand, silt 5-15% and clay 16-20%. Depth of the soil is shallow to medium. The clay fraction of red soils is rich in kaolinitic type of clay minerals, medium in fertility	6, 15,230
2	Shallow black soils	Depth of the soil is shallow, water holding capacity is poor, low fertility	2, 45,432
3	Red loamy soils	Red loams characterized by argillaceous soils with a cloddy structure and the presence of only a little concretionary material. Soils contain 31 – 34 % sand and 44 to 47% silt and 22 to 25 % clay, medium to high fertility. "N" is below 0.1 percent	2, 04,093

2.4. Area, Production and Productivity of major crops cultivated in the district

Sl. No	Crops	Area (ha)	Production (tons)	Productivity (kg/ha)
1	Finger millet	1,16,423	1,80,455	1,550
2	Jowar	24,669	56,200	2,323
3	Paddy	3917	14,884	3,800
4	Minor millets	846	719	850
5	Red gram	10,588	12,705	1,200
6	Horse gram	51,939	28,566	550
7	Avare	2,774	7212	2,600
8	Black gram	308	98.56	320
9	Green gram	8,029	4,348	550
10	Cow pea	3,130	1,686	650

11	Groundnut	56,353	42,567	650
12	Castor	122	42	350
13	Coconut	1,74,376	11,334 (Lakhs)	65 (No's)
14	Arecanut	90,220	1,13,677 (tons)	1.26 tons
15	Mango	16,987	1,39,633	8.22 tons
16	Banana	4,061.4	1,19,527	29.43 tons
17	Tomato	4,157	2,20,321	53.00 tons
18	Chilli	874	21,413	24.50 tons
19	Pomegranate	3,330	66,600	20 tons

(**Source:** Dept. of Agriculture, Tumakuru)

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
January 2024	2.5	31.0	15.0	85.0
February 2024	5.0	28.0	18.0	65.0
March 2024	0	32.0	15.0	51.0
April 2024	3.0	33.0	18.0	54.0
May 2024	180	32.0	21.0	86.0
June 2024	123.8	31.0	22.0	91.0
July 2024	74.5	27.0	21.0	87.0
August 2024	217.8	28.0	20.0	91.0
September 2024	75.3	31.0	21.0	90.0
October 2024	279.4	29.0	20.0	74.0
November 2024	26	31.0	21.0	81.0
December 2024	31	28.0	22.0	89.0

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

Category	Population	Production	Productivity
Cattle			
Crossbred	63704	54	5.5745
Indigenous	440888	56	2.0671
Buffalo	217528	68	2.5382
Sheep **meat 000 tons**			
Crossbred	9		--
Indigenous	884643	17.31	--

Category	Population	Production	Productivity
Goats	322373	16.60	--
Pigs	-	-	-
Crossbred	905	0.23	--
Indigenous	12411		--
Rabbits	560	NA	--
Poultry	**Egg production in lakhs**		
Hens		--	--
Desi	6,42,382	273	--
Improved	-	71	--
Ducks	-	-	-
Turkey and others	-	-	-

Category	Area	Production	Productivity
Fish	-		
Marine	-		
Inland	1306 ha	16,000 metric ton	650-700 kg/ha
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

2.7 District profile maintained in the KVK has been **Updated** for 2024: Yes

2.8 Details of Operational area / Villages

Sl. No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Tiptur	Nonavinakere	Byrapura Chikkabidare Gopalanapalya Gyaraghatta Gowdanakatte Kallegowdanapalya Kannaghatta Karadalu Hosuru Karikere Kibbanhalli Koppa Kunduru Mundunathapura Nagalehalli Nagaraghatta Nagathihalli Paragondanahalli Anagondanahalli Sattaramanahalli T L Palya Thimalapura vitalapura Tadasuru Patarehalli Chikkahonnavalli Aralikere	3 year	Millets Redgram Castor Ragi, Chilli, IFS Chilli Cattle Mushroom andAmla products and marketing	• Low soil fertility, poor nutrient management practices and low yield • Incidence of pod borer menace • Use of local and old varieties, yield decline due to pest semi looper • Neck and finger blast, • Lack of knowledge on value addition • Low productivity • Low income to run family • Less profit and high incidence of Mastitis • Low Income generating activities for SHG's • Less awareness on Processing and value addition of agriculture and horticulture produce	Enhancing crop productivity through soil, pest and disease management. Improved animal husbandry practices Income generating activities for SHG's Processing and value addition of agriculture and horticulture produce
2	Turvekere	Dhabeghatta	M V Halli Devihalli Lakkasandra Kurubarahalli	3 year	Bengalgram Tomato Banana Arecanut	Inefficient use of paddy fallows Use of local and old varieties, improper control measures for pod borer Low yield, Lack of HYVs, Improper nutrient management Less productivity, incidence of pest and diseases Improper plant	Introduction of high yielding varieties Nutrient and water management

						protection measures for wilt including use of tolerant variety Severe nut splitting and yield loss due to deficiency of boron	
3	C.N. Halli	Shettikere	Godekere Bagganahalli Banadevarahatti Ranganahalli Ranganakere Somanahalli Kannaghatta Ranganakere Guruvapura Ganadalu Belavadi Mathighatta Madapura Mathighatta Madapura Mathighatta Sreyadanahalli Handanakere Kandikere Kodipalya Yelanadu Haralakatte Bandrehalli	3 year	Groundnut Millet crops Coconut Vegetable	Low soil fertility, high weed infestation and lower income Low yield potential of existing ruling varieties Lack of awareness on branding and labeling of millet products Severe incidence of Basal stem rot leading to death of palm Inefficient use of space, and lower income from mono cropping	Enhancing productivity through introduction of high yielding variety and pest management and other improved packages Processing and value addition of agriculture and horticulture produce
4	Gubbi	Nittur	Sagaranahalli Kodinadevanahalli Tyagaturu Bommanahalli Kodinagenahalli N Rampura Samudrakote Muganahunase Paragondanahalli K D Halli Belavatta Cheluru Bommarasahalli	3 year	Coconut Arecanut Vegetable Flower crops Sheep farming Poultry Banana	Mono-cropping, no appropriate use of space and cropping in plantation crops Severe incidence of Red palm weevil and Black headed caterpillar leading to yield decline Inefficient use of space , low soil fertility, heavy weed growth Infestation of fluke worm (Fasciola hepatica), loss of body condition, jowl oedema, pipe stem liver, loss of carcass quality Loss of body condition, improper weight gain, decreased egg production, increase in number of culls, clubbed foot	Enhancing productivity Sustainable income generation through animal husbandry activities
5	Kunigal	Hippadi	K.S. Agrahara Doddamadure	3 years	Coconut Vegetable	Low soil fertility, high weed infestation and lower income	Enhancing productivity through introduction of

			Varevanagodanadaddi Doddakoppalu Senaba Amruthuru Ippadi		Paddy Finger millet	Low yield potential of existing crop varieties Severe incidence of Basal stem rot leading to death of palm Inefficient use of space, and lower income from mono cropping	Integrated cop management approach

2.9 Priority thrust areas

S. No	Thrust area
1	Integrated water management with special emphasis on micro - irrigation
2	Integrated Nutrient Management in Agri. and Horticultural crops
3	Introduction of newer varieties
4	Integrated Pest and Disease Management
5	Integrated farming system with special emphasis to livestock
6	Value addition & market linkage through CBA's / FPO's

PART III - TECHNICAL ACHIEVEMENTS

3.A. Target and Achievements of mandatory activities

OFT				FLD			
1				2			
OFTs (No.)		Farmers (No.)		FLDs (No.)		Farmers (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
8	8	83	83	FLD- 18	18	182	182
				EDP – 1	1	5 SHG	5 SHG
				Nutri garden -1	Nutri garden -1	30	30

Training (Farmers/farm women)				Training (Rural youth)			
3				4			
Courses (No.)		Participants (No.)		Programmes (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
120	**131**	**4500**	**5349**	4	5	200	219

Training (Extension personnel)				Training (sponsored)			
5				6			
Courses (No.)		Participants (No.)		Programmes (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
4	5	120	145	30	34	950	1088

Training (Vocational)				Extension Programmes			
7				8			
Courses (No.)		Participants (No.)		Programmes (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
				15500	17514	20250	27807

Seed Production (Q)		Planting material (Nos.)	
9		10	
Target	Achievement	Target	Achievement
5	7	21500	26176

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
11		12	
Target	Achievement	Target	Achievement
-	-	-	-
Soil, water, plant and manure analysis (including mobile kits)		**Mobile agro advisories provided**	
13		14	
Samples (No.)		Farmers (No.)	
Target	Achievement	Target	Achievement
1000	**1101**	**950**	**1020**
Messages including text, voice (No.)		Farmers (No.)	
Target	Achievement	Target	Achievement
-	-	-	-

3.B1. Abstract of interventions undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
1.	Varietal Evaluation	Foxtail Millet	Low yield, Less resistant to drought	Assessment of Foxtail Millet Varieties for higher yield	-	3	-	-	1	0.15	-	-	-	-
2.	Integrated Disease management	Coconut	Low yield, Incidence of Diseases	Assessment of Ganoderma disease management in coconut	-	3	-	-	2	-	-	-	Trichoderma Neem cake Pseudomonas Trichoderma coir pith cake	120 kg 100 kg 40 kg 3 kg
3.	Integrated Nutrient Management	Coconut	Low yield and low quality of Neera	Assessment of Nutrient Management in coconut for Inflorescence sap extraction	-	2	-	-	2	-	-	-	-	-
4.	Processing Techniques	Coconut	Low quality Virgin Coconut Oil	Assessment of Processing Techniques for improving quality of Virgin Coconut Oil	-	2	-	-	3	-	-	-	-	-
5.	Extension methods	Coconut	Unaware of extension methods of Root feeding technology	Assessment on effectiveness of extension methods in adoption of Root feeding technology for control of Ganoderma in coconut	-	1	-	-	2	-	-	-	-	-
6.	Integrated Nutrient Management	Banana	Low yield, Unaware of foliar application of micronutrient	Assessment of foliar application of micronutrient to enhance fruit yield and quality of Banana Cv. Yelakki	-	2	-	-	2	-	-	-	Banana Special Banana Shakti	84 kg 210 kg
7.	Varietal Evaluation	Brinjal	Low yield and susceptible to bacterial wilt	Assessment of Technology for high yield and Bacterial wilt resistance in Brinjal	-	2	-	-	3	-	24500	-	Vegetable special	14 kg

8.	Bee keeping	Honey Bee	Tray made out of plastic and used in honey bee rearing method, wax moth attack	Assessment of different brooding chambers for honey productions	-	2	-	-	2	-	-	-	-	-
9.	ICM	Paddy	Existing varieties are medium sized grain, susceptible to blast, low yield and less grain recovery percentage	-	Demonstration of Paddy variety RNR 15048 for higher productivity	2	-	-	1	2.5q	-	-	Azospirillum PSB	10 kg 10 kg
10.	ICM	Finger millet	Use of old varieties which are low yielding and susceptible for lodging	-	Demonstration of new medium duration finger millet variety ML-322	2	-	-	1	1.0 q	-	-	-	-
11.	ICM	Little millet	Low yield, lack of knowledge on importance of value addition, labeling, packaging and branding	-	Demonstration of Little millet Variety GPUL-6 and it's marketing	3	-	-	2	0.5 q	-	-	-	-
12.	Intercropping system	Cowpea + Coconut	Unaware of cowpea as a leguminous crop increases the milk yield	-	Demonstration of leguminous fodder cowpea MFC-09-3 as a inter crop in coconut orchard for enhancing milk yield	2	-	-	1	0.6 q	-	-	Rhizobium	10 kg
13.	IPM	Cowpea	Lack of knowledge on bio-control method for management of aphids	-	Demonstration of bio-control method for management of aphids in cowpea	3	-	-	2	0.5q	-	-	Pulse magic Rhizobium	20 kg 10 kg
14.	ICM	Redgram	Use of low yielding varieties and improper agronomic practices	-	Demonstration of Integrated Crop Management in Red Gram Var. BRG-5	4	-	-	3	0.5q	-	-	Pulse magic Rhizobium	20 kg 10 kg
15.	ICM	Black gram	Low yield, high incidence of YMV (75%), powdery mildew (30%).	-	Demonstration of Yellow Mosaic Virus tolerant black gram Variety LBG -791	0	-	-	0	1.0q	-	-	Pulse magic Rhizobium	20 kg 10 kg
16.	Intercropping system	French bean + arecanut	Improper utilization of inter-space and weed menace (90%) and no returns (up to 4 years) is problem in arecanut garden.	-	Demonstration of French bean var. Arkasharath in younger arecanut gardens	3	-	-	2	0.5 q	-	-	Vegetable special Rhizobium Neem oil	20 kg 10 kg 10 liter
17.	ICM	Pomegranate	Lack of knowledge on bio formulations for improving quality and management of diseases in Pomegranate	-	Demonstration of bio formulations for improving quality and management of diseases in Pomegranate	1	-	-	1	-	-	-	AMC Neem oil Arka Actino Bacterial consortia	50 liter 5 liter 200 kg
18.	Farm	Coconut	Dehusking of coconut	-	Demonstration of	1	-	-	2	-	-	-	-	-

	machinery		is a tedious task which involves high operational cost, time and labour		Coconut de-husking machine for efficient time and labor management									
19.	IPM	Arecanut	Severe incidence (30 %) of spindle bug causing loss of plant	-	Demonstration on management of Spindle Bug in Younger Arecanut Garden	0	-	-	0	-	-	-	-	-
20.	INM	Vegetable seedlings	Nursery farmers/ Entrepreneurs face the problems of inadequate decomposition of coir pith	-	Arka Fermented Coco Peat for production of quality vegetable seedlings	2	-	-	2	0.005	-	-	Arka fermented coco peat	500kg
21.	INM	Cattle	Delayed maturity in female calves due to improper feeding, worm load & mineral deficiency	-	Management of Female Calves to attain early maturity	2	1	-	5				calf starter syrup triclamec vitamin syrup mineral mixture	250kg 5 liters 5 liters 50 kg
22.	IDM	Goats	Lack of knowledge on Importance of vitamins and amino acids in attaining good weight	-	Scientific management of Bucklings (Young male goats)	2	1	-	10				syrup tonoboost triclabendazole + ivermectin iron supplements	15 liter 7.5 liter 15 kg
23.	IDM	Cattle	Loss of body condition, incidence of metabolic diseases due to improper ionic balance	-	Management of Dairy Animals in Transition period	3	1	-	10				triclabendazole + ivermectin balanion mineral mixture vitamin syrup	5 liters 10 kg 50 kg 5 liters
24.	ICM	Fodder	Due to drought condition, shortage of regular fodder to the livestock. Hence, it is necessary to demonstrate the benefits of using leguminous tree fodder.	-	Popularization of NARI Nirbeeja grafts of Subabul for nutritious fodder	1	1	-	1					
25.	IDM	Sheep	Lack of knowledge on sheep wool shearing device for health and hygiene	-	Demonstration of sheep wool shearing device for health and hygiene	1	1	-	0				Equipment has been purchased demonstration will be started during march 2025	
26.	Management of Kitchen Waste	Kitchen Waste management	Composting is nature's way of recycling. It is one of the most powerful actions we can take to reduce our trash, address climate change, and build healthy soil It is a resourceful way to recycle the food scraps and yard trim generated at home all year and manage waste more sustainably.	-	Eco friendly Management of Kitchen Waste and its usage for Home Gardening	1	-	-	2	-	-	-	-	-
27.	Nutrition garden	Vegetables and Fruits	Micronutrient deficiencies also referred to as 'Hidden Hunger' affects the	-	Nutrition security of farm families through nutrition garden	2			2					

			health, learning ability as well as productivity owing to high rates of illness and disability contributing to malnutrition, underdevelopment and poverty											
28.	EDP	Coconut	65 to 70 percent of the farmers are not aware of processing and Value addition, Branding, Nutrition labeling, Market linkage and product registration under FSSAI. Coconut value added products can be produced as a part of enterprise for earning higher income.	-	EDP - Coconut : Value Addition, Branding and Market Linkage	2			2					

3.B2. Details of technology used during reporting period

S. No	Title of Technology	Source of technology	Crop/enterprise	No. of programmes conducted			
				OFT	FLD	Training	Others (Specify)
1.	Assessment of Foxtail Millet Varieties for higher yield	UAS, Bangalore UAS Rayachuru AICRP small millets, Nandyal	Foxtail Millet	1	-	3	1
2.	Assessment of Ganoderma disease management in coconut	CPCRI, Kasargod , TNAU, Tamil nadu	Coconut	1	-	3	2
3.	Assessment of Nutrient Management in coconut for Inflorescence sap extraction	CPCRI, Kasargod UHS, Baglkot, Prof. Jayashankar UAS	Coconut	1	-	2	2
4.	Assessment of Processing Techniques for improving quality of Virgin Coconut Oil	CFTRI, Mysore, IIFPT, Thanjavur, CPCRI, Kasaragod	Coconut	1	-	2	3
5.	Assessment on effectiveness of extension methods in adoption of Root feeding technology for control of Ganoderma in coconut	-	Coconut	1	-	1	2
6.	Assessment of foliar application of micronutrient to enhance fruit yield and quality of Banana Cv. Yelakki	IIHR, Bengaluru NRC Banana, Tiruchirappalli	Banana	1	-	2	2
7.	Assessment of Technology for high yield and Bacterial wilt resistance in Brinjal	IIHR, Bengaluru, IIVR (Varanasi)	Brinjal	1		2	3

8.	Assessment of different brooding chambers for honey productions	UAS, Bengaluru	Honey Bee	1		2	2
9.	Demonstration of Paddy variety RNR 15048 for higher productivity	PJTSAU, Hyderabad	Paddy		1	2	1
10.	Demonstration of new medium duration finger millet variety ML-322	UAS, Bengaluru	Finger millet		1	2	1
11.	Demonstration of Little millet Variety GPUL-6 and it's marketing	UAS, Bengaluru	Little millet		1	3	2
12.	Demonstration of leguminous fodder cowpea MFC-09-3 as a inter crop in coconut orchard for enhancing milk yield	UAS, Bengaluru	Cowpea		1	2	1
13.	Demonstration of bio-control method for management of aphids in cowpea	DPP,Q&S	Cowpea		1	3	2
14.	Demonstration of Integrated Crop Management in Red Gram Var. BRG-3	UAS, Bengaluru	Redgram		1	4	3
15.	Demonstration of Yellow Mosaic Virus tolerant black gram Variety LBG -791	UAS, Bengaluru	Black gram		1	0	0
16.	Demonstration of French bean var. Arkasharath in younger arecanut gardens	UAS, Bengaluru	French bean		1	3	2
17.	Demonstration of bio formulations for improving quality and management of diseases in Pomegranate	IIHR, Bengaluru	Pomegranate		1	1	1
18.	Demonstration of Coconut de-husking machine for efficient time and labor management	CPCRI, Kasargod	Coconut		1	1	2
19.	Demonstration on management of Spindle Bug in Younger Arecanut Garden	UAS, Bengaluru	Arecanut		1	0	0
20.	Arka Fermented Coco Peat for production of quality vegetable seedlings	IIHR, Bengaluru	Vegetable seedlings		1	2	2

21.	Management of Female Calves to attain early maturity	ICAR-NIANP	Cattle		1	3	5
22.	Scientific management of Bucklings (Young male goats)	CIRG, Makhdum, UP	Goats		1	3	10
23.	Management of Dairy Animals in Transition period	ICAR-NIANP	Cattle		1	4	10
24.	Popularization of NARI Nirbeeja grafts of Subabul for nutritious fodder	NARI, Maharashtra	Fodder		1	2	1
25.	Demonstration of sheep wool shearing device for health and hygiene	CSWRI, Rajasthan	Sheep		1	2	0
26.	Eco friendly Management of Kitchen Waste and its usage for Home Gardening	Daily Dump (NGO)	Kitchen Waste management		1	1	2
27.	Nutrition security of farm families through nutrition garden	UAS, Bengaluru	Vegetables and Fruits		1	2	2
28.	EDP - Coconut : Value Addition, Branding and Market Linkage	CPCRI, Kasaragod	Coconut		1	2	2

3.B2 contd..

Sl. No.	No. of farmers covered															
	OFT				FLD				Training				Others (Specify)			
	General		SC/ST		General		SC/ST		General		SC/ST		General		SC/ST	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1.	3	1	1	0					20	05	3	2	8	1	2	1
2.	6	2	1	1					21	17	5	1	8	3	4	3
3.	4	1	2	0					42	31	5	15	15	3	6	0
4.	3	1	0	0					21	16	5	1	9	3	4	2
5.	28	3	2	3					39	17	11	2	15	3	5	5
6.	4	1	2	0					22	13	5	1	8	3	4	1
7.	3	2	1	1					29	17	8	1	10	3	4	2
8.	3	3	0	1					32	12	5	1	7	3	3	2
9.					8	1	1	0	28	13	6	2	9	3	4	1
10.					6	2	1	1	25	16	5	1	16	4	4	2
11.					7	2	1	0	28	15	2	1	17	3	4	2
12.					9	1	0	0	22	17	5	1	9	3	4	2
13.					5	3	2	0	42	24	5	2	11	4	2	3
14.					6	3	1	0	20	14	5	1	9	3	4	2
15.					7	2	0	1	0	0	0	0	0	0	0	0
16.					6	1	2	1	29	17	8	1	10	3	4	2
17.					7	1	1	1	20	15	7	1	8	3	3	1

18.					9	1	0	0	21	13	7	1	7	3	3	1
19.					6	2	1	1	0	0	0	0	0	0	0	0
20.					6	3	1	0	21	15	6	1	17	4	4	1
21.					6	2	1	1	24	12	5	1	9	3	4	1
22.					7	2	0	1	29	17	8	1	10	3	4	2
23.					7	2	1	0	20	14	5	1	145	22	12	10
24.					9	1	0	0	28	15	2	11	14	3	4	2
25.					8	1	1	0	46	25	4	2	0	0	0	0
26.					8	2	1	1	49	28	4	2	22	12	2	3
27.					18	10	1	1	55	29	4	2	24	14	2	3
28.					5	10	3	2	47	26	4	2	29	18	2	3

PART IV - On Farm Trial

4.A1. Abstract on the number of technologies assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	Spice / Medicinal crops	TOTAL
Bee Keeping								1			1
Biological control											
Canopy Management											
Crop Diversification											
Cropping Systems											
Drudgery Reduction											
Farm Machineries											
Fertigation Technique											
Fodder and Nursery raising											
High Density Planting											
Information and Communication Technology											
Integrated Crop Management											
Integrated Disease Management								1			1
Integrated Farming System											
Integrated Nutrient Management						1		1			2
Integrated Pest and Disease Management											
Integrated Pest Management											
Natural Farming											
Organic cultivation											
Plasticulture											
Post Harvest Technology											
Protected Cultivation											
Resource Conservation Technology											
Seed / Plant production											
Soil health management											
Storage Technique											
Varietal Evaluation	1				1						2
Water management											
Weed Management											
Others, pl. specify Extension methodology								1			1
Processing technique								1			1
Total	**1**				**1**	**1**		**5**			**8**

4.A2. Abstract on the number of technologies refined in respect of crops : Nil

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	Spice / Medicinal crops	TOTAL
Integrated Nutrient Management											
Varietal Evaluation											
Integrated Pest Management											
Integrated Crop Management											
Integrated Disease Management											
Small Scale Income Generation Enterprises											
Weed Management											
Resource Conservation Technology											
Farm Machineries											
Integrated Farming System											
Seed / Plant production											
Value addition											
Drudgery Reduction											
Storage Technique											
Cropping Systems											
Farm Mechanization											
Mushroom cultivation											
Others											
Total											

4.A3. Abstract on the number of technologies assessed in respect of livestock : Nil

Thematic areas	Cattle	Poultry	Piggery	Rabbit	Fisheries	TOTAL
Animal Health management						
Animal Nutrition Management						
Composite fish culture						
Dairy Management						
Animal Disease Management						
Evaluation of Breeds						
Feed and Fodder management						
Fish Production						
Integrated Farming System						
Livestock Production and Management						
Processing and value addition						
Small Scale Income Generation Enterprises						
Others (Pl. specify)						
TOTAL						

4.A4. Abstract on the number of technologies refined in respect of livestock : Nil

Thematic areas	Cattle	Poultry	Piggery	Rabbit	Fisheries	TOTAL
Evaluation of Breeds						
Nutrition Management						
Disease of Management						
Value Addition						
Production and Management						
Feed and Fodder						
Small Scale income generating enterprises						
Dairy						
Others (Pl. specify)						
TOTAL						

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technologies	No. of Technological options tested in each OFT	No. of trials	Number of farmers / locations	Area in ha (Per trial covering all Technological Options in a farm)
Bee Keeping	Bee	Assessment of different brooding chambers for honey productions	3	7	7	0.14
Biological control						
Canopy Management						
Crop Diversification						
Cropping Systems						
Drudgery Reduction						
Farm Machineries						
Resource Conservation Technology						
Farm Machineries						
Fertigation Technique						
Fodder and Nursery raising						
High Density Planting						
Integrated Crop Management						
Integrated Disease Management	coconut	Assessment of Ganoderma disease management in coconut	3	10	10	0.2
Integrated Farming System						

Thematic areas	Crop	Name of the technologies	No. of Technological options tested in each OFT	No. of trials	Number of farmers / locations	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management	coconut	Assessment of Nutrient Management in coconut for Inflorescence sap extraction	3	7	7	0.14
Integrated Nutrient Management	Banana	Assessment of foliar application of micronutrient to enhance fruit yield and quality of Banana Cv. Yelakki	3	7	7	0.14
Integrated Pest and Disease Management						
Integrated Pest Management						
Natural Farming						
Organic cultivation						
Plasticulture						
Post Harvest Technology						
Protected Cultivation						
Resource Conservation Technology						
Seed / Plant production						
Soil health management						
Storage Technique						
Varietal Evaluation	Foxtail Millet	Assessment of Foxtail Millet Varieties for higher yield	4	5	5	0.4
Varietal Evaluation	Brinjal	Assessment of Technology for high yield and Bacterial wilt resistance in Brinjal	3	7	7	0.14
Water management						
Weed Management						
Processing Techniques	Coconut	Assessment of Processing Techniques for improving quality of Virgin Coconut Oil	4	4	4	-

Thematic areas	Crop	Name of the technologies	No. of Technological options tested in each OFT	No. of trials	Number of farmers / locations	Area in ha (Per trial covering all Technological Options in a farm)
extension methods	Coconut	Assessment on effectiveness of extension methods in adoption of Root feeding technology for control of Ganoderma in coconut	3	3	36	-
Total			23	47	47	

4.B.2. Technologies Refined under various Crops : Nil

Thematic areas	Crop	Name of the technologies	No. of Technological options tested in each OFT	No. of trials	Number of farmers/locations	Area in ha (Per trial covering all Technological Options in a farm)
Integrated Nutrient Management						
Varietal Evaluation						
Integrated Pest Management						
Integrated Crop Management						
Integrated Disease Management						
Small Scale Income Generation Enterprises						
Weed Management						
Resource Conservation Technology						
Farm Machineries						
Integrated Farming System						
Seed / Plant production						
Post Harvest Technology/Value addition						

Drudgery Reduction						
Storage Technique						
Mushroom cultivation						
Cropping Systems						
Farm Mechanization						
Others, Pl specify						
Total						

4.B.3. Technologies assessed under Livestock : Nil

Thematic areas	Name of the livestock	Name of the technologies	No. of Technological options tested in each OFT	No. of trials	No. of farmers/locations
Animal Health management					
Animal Nutrition Management					
Composite fish culture					
Dairy Management					
Animal Disease Management					
Evaluation of Breeds					
Feed and Fodder management					
Fish Production					
Integrated Farming System					

Livestock Production and Management					
Processing and value addition					
Small Scale Income Generation Enterprises					
Others, pl. specify					
Total					

4.B.4. Technologies Refined under Livestock and other enterprises : Nil

Thematic areas	Name of the livestock	Name of the technologies	No. of Technological options tested in each OFT	No. of trials	No. of farmers/locations
Evaluation of breeds					
Nutrition management					
Disease management					
Processing and Value addition					
Production and management					
Feed and fodder management					
Small scale income generating enterprises					
Others, pl. specify					
Total					

4.B.5. T**echnologies assessed under various enterprises by KVKs : Nil**

Sl.	**Thematic areas**	**Name of the enterprise**	**Name of technology(s)**	**No. of Technological options tested in each OFT**	**No. of trials**	**No. of locations**
1	Agroforestry management					
2	Bee keeping					
3	Crop residue management					
4	Drudgery reduction					
5	Energy conservation					
6	Entrepreneurship Development					
7	Fish seed production					
8	Household food security					
9	Information and Communication Technology (ICT)					
10	Integrated Farming system					
11	Mechanization					
12	Mushroom Cultivation					
13	Nursery raising					

14	Organic farming					
15	Post Harvest Management					
16	Livestock Production and Management					
17	Processing and value addition					
18	Resource conservation technology					
19	Small-scale income generation					
20	Storage techniques					
21	Vermicomposting					
	Others, pl. specify					

4.B.6.T**echnologies assessed under various enterprises for women empowerment : Nil**

	Thematic areas	**Name of enterprise**	**Name of technology(s)**	**No. of Technological options tested in each OFT**	**No. of trials**	**No. of locations**
1	Drudgery Reduction					
2	Entrepreneurship Development					
3	Health and Nutrition					
4	Kitchen / Nutrition Gardening					

5	Storage Technique					
6	Value Addition					
7	Women and child care					
8	Women Empowerment					
	Others, pl. specify					

4.C1.Results of Technologies Assessed

1. Assessment of Foxtail Millet Varieties for higher yield

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
Foxtail Millet	Rainfed	Low yield, Less resistant to drought	Assessment of Foxtail Millet Varieties for higher yield	5	T.O.1 : Local varieties	-	18.55	q/ ha	Plant height (cm): 112.44 Tillers / plant(No.): 3.89 Panicles/ Plant (No.): 3.00 Test weight (grams): 2.97 Straw yield (Ton/ha): 1.02	75220/-	30845/-	1.70
					T.O.2: GPUF 3	UAS, Bangalore	22.45	q/ ha	Plant height (cm): 122.34 Tillers / plant(No.): 5.56 Panicles/ Plant (No.): 3.63 Test weight (grams): 3.56 Straw yield (Ton/ha): 1.18	90981/-	45793/-	2.01
					T.O.3: HN 46	UAS, Rayachuru	21.35	q/ ha	Plant height (cm): 119.48 Tillers / plant(No.): 5.12 Panicles/ Plant (No.): 3.47 Test weight (grams): 3.40 Straw yield (Ton/ha): 1.09	86490/-	41302/-	1.91
					T.O.4: SiA 3159	AICRP small millets, Nandyal	24.50	q/ ha	Plant height (cm): 130.07 Tillers / plant(No.): 7.01 Panicles/ Plant (No.): 4.47 Test weight (grams): 5.04 Straw yield (Ton/ha): 1.25	99250/-	54562/-	2.22

4. C2. Feedback on technologies assessed

Name of technology assessed	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
Assessment of Foxtail Millet Varieties for higher yield	• Minor millets are important crops occupying an area of 1896 ha in Tumkur district. Farmers are growing local varieties which are low yielding (4 q/ha) and drought susceptible. • Hence the assessment of high yielding and drought resistant varieties has been taken. • The higher yield was observed in SiA 3159 variety compared to other varieties.	-

4.C3. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed: Assessment of Foxtail Millet Varieties for higher yield

2. Performance of the Technology on specific indicators: The higher yield was observed in SiA 3159 variety compared to other varieties.

3.Specific Feedback from farmers : Among the four Varieties SiA 3159 has performed higher yield

4.Specific Feedback from Extension personnel and other stakeholders :

5. Feedback to Research System based on results and feedback received:

6. Feedback on usefulness and constraints of technology :

4.C1.Results of Technologies Assessed

2. Assessment of Ganoderma disease management in coconut

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
Coconut	Irrigated	Low yield, Incidence of Diseases	Assessment of Ganoderma disease management in coconut	10	T.O.1: Farmers practice	-	Progress					
					T.O.2: • Removal of dead palms. • Addition of 50 kg of farmyard manure or green leaves or 200 kg tank silt per palm per year. • Application of Trichoderma 200g + 5 kg neem cake per palm per year and irrigating the palm once in 4 days. • Root feeding of hexaconazole @ 2% (100 ml solution per palm) at quarterly intervals for one year	CPCRI, Kasargod						
					T.O.3: • Remove and destroy palms. • Green manure crops must be raised and ploughed in situ before flowering • Pseudomonas fluorescens (Pf-1) @ 200 g/palm + Trichoderma viride @ 200 g/palm/year 200g Phosphobacteria and 200 g Azotobactor mixed with 50 kg of FYM/palm + neem cake 5 Kg once in 6 months along with fertilizers. • Aureofungin-sol. 2 g +1 g Copper Sulphate in 100ml water applied as root feeding • Root feeding with Tridemorph 2ml or Hexaconazole 1 ml with 100 ml of water (3 times at 3 months interval). • Forty litres of 1% Bordeaux mixture should be applied as soil drench around the trunk in a radius of 1.5m.	TNAU, Tamil nadu						

4. C2. Feedback on technologies assessed

Name of technology assessed	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
Assessment of Ganoderma disease management in coconut	Basal stem rot caused by Ganoderma sps. It is one of the most devastating disease identified in coconut orchards of Tumakuru district (27 %, in > 20 year old palms) It is a soil borne disease spreads rapidly due to flood irrigation leading to death of palms A combination of biological and systemic fungicides along with good cultural practices will effectively control the disease in palms	-

4.C3. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed : Assessment of Ganoderma disease management in coconut
2. Performance of the Technology on specific indicators:
3. Specific Feedback from farmers
4. Specific Feedback from Extension personnel and other stakeholders
5. Feedback to Research System based on results and feedback received
6. Feedback on usefulness and constraints of technology

4.C1.Results of Technologies Assessed

3. Assessment of Nutrient Management in coconut for Inflorescence sap extraction

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
Coconut	Rainfed	Low yield and low quality of Neera	Assessment of Nutrient Management in coconut for Inflorescence sap extraction	7	T.O.1 (Farmers practice) One bucket FYM	-	32.80	Total yield / Inflorescence (liters)	*	Progress		
					T.O.2: 500 g N : 320 g P: 1200 g K + 50 Kg FYM + 50g Boron + 50 g Zinc/ Palm/Year	CPCRI and UHSB	40.80	Total yield / Inflorescence (liters)				
					T.O.3: 875 g N : 560 g P: 2100 g K + 50 Kg FYM + 50g Boron + 50 g Zinc/ Palm/Year	ANGRAU	51.20	Total yield / Inflorescence (liters)				

* Observations other than yield

Observations other than yield	T.O.1	T.O.2	T.O.3
Yield/ day / inflorescence (liters)	1.12	1.58	1.96
Sap production duration / inflorescence (days)	40	43.40	55.20
Total yield / palm / year (liters)	Progress		

4. C2. Feedback on technologies assessed

Name of technology assessed	**Useful characters as well as constraints of technology**	**Socio-economic as well as administrative constraints for its adoption**
Assessment of Nutrient Management in coconut for Inflorescence sap extraction	1. Value addition in coconut has major role in enanching the coconut farmers income 2. Now a days some FPO'S started Inflorescence sap (Neera) extaration 3. The nutrient requirement for coconut palms being tapped is much higher than palms maintained for nut production. 4. The response of tapping palms to higher doses of fertilizers has to be evaluated. It will be helpful in developing specific nutrient management plans for Neera extration coconut palms	---

4.C3. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed : Assessment of Nutrient Management in coconut for Inflorescence sap extraction
2. Performance of the Technology on specific indicators
3.Specific Feedback from farmers
4.Specific Feedback from Extension personnel and other stakeholders
5. Feedback to Research System based on results and feedback received
6. Feedback on usefulness and constraints of technology

4.C1.Results of Technologies Assessed

4. Assessment of Processing Techniques for improving quality of Virgin Coconut Oil

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
Coconut	Rainfed	Low quality Virgin Coconut Oil	Assessment of Processing Techniques for improving quality of Virgin Coconut Oil	4	T.O.1 Coconut + Cold press + Oil extraction	CPCRI, Kasaragod	*					
					T.O.2 Coconut + Boiling at 150-170 ºC + Oil extraction	IIFPT, Thanjavur						
					T.O.3 Coconut + Uriyuvudu + Oil extraction	Traditional practice						
					T.O.4 Coconut + Dehydration at 70 ºC + Oil extraction	CFTRI, Mysore						

*** Results**

Particulars	**Technologies**			
	T.O.1	**T.O.2**	**T.O.3**	**T.O.4**
Moisture (%)	0.08	0.09	0.19	0.10
Calorific value (Kcal/100g)	905	889	876	895
Vitamin E (µg TE/100g)	1.47	1.93	2.03	1.31
Vitamin A (µg/100g)	0.53	0.86	0.95	0.46
Peroxide value (meq/kg)	0.52	0.61	0.58	0.63
Free fatty acids (% oleic acid)	0.25	0.29	0.35	0.33
TPC (mg GAE/100g)	4.20	7.44	8.10	3.93
TFC (mg CE/100g)	1.19	2.16	2.42	0.64
DPPH assay (% inhibition)	6.14	9.65	10.53	4.43

TE-tocopherol equivalent, meq-milli equivalent, GAE-gallic acid equivalent, CE catechin equivalent

Fatty Acid (%)	**Technologies**			
	T.O.1	**T.O.2**	**T.O.3**	**T.O.4**
Caprylic acid	6.65	6.51	7.02	6.19
Capric acid	5.40	5.69	5.74	5.07

Lauric acid	48.69	51.02	53.13	51.23
Myristic acid	18.08	19.05	19.22	19.19
Palmitic acid	8.24	8.81	8.04	8.74
Stearic acid	3.04	2.92	2.70	3.09
Oleic acid	6.14	5.83	5.99	5.73
Linoleic acid	0.93	0.84	0.86	0.80

Virgin Coconut Oil evaluation (n=25)

Technologies	Appearance	Colour	Aroma	Flavour	Taste	Texture/ viscosity	Overall acceptability	Rank
T.O.1	7.30 ± 0.82	7.40 ± 0.79	7.60 ± 0.48	7.90 ± 0.57	7.50 ± 0.53	7.50 ±0.42	7.50 ± 0.48	3
T.O.2	7.70 ± 1.06	8.10 ± 0.67	8.10 ± 0.92	8.30 ± 0.52	7.90 ± 0.88	7.70 ± 0.67	7.80 ± 0.63	2
T.O.3	8.40 ± 0.42	8.70 ± 0.48	8.60 ± 0.52	8.50 ± 0.42	8.40 ± 0.52	8.20 ± 0.53	8.30 ± 0.42	1
T.O.4	7.00 ± 0.97	7.30 ± 0.63	7.40 ± 0.53	7.40 ± 0.84	7.60 ± 0.48	7.10 ± 0.63	7.30 ± 0.63	4

Virgin Coconut Oil consumer acceptability

Particulars	Consumer acceptability (n=50)							
	T.O.1		T.O.2		T.O.3		T.O.4	
	No.	%	No.	%	No.	%	No.	%
Ok	18	36.00	40	80.00	45	90.00	12	24.00
Not ok	32	64.00	10	20.00	5	10.00	38	76.00

4. C2. Feedback on technologies assessed

Name of technology assessed	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
Assessment of Processing Techniques for improving quality of Virgin Coconut Oil	➢ Virgin coconut oil is powerful source of antioxidants and it also contains vitamins A and E. Additionally, virgin coconut oil contains lauric acid, which help to support the body against microbes and viruses. ➢ Lack of awareness on different processing techniques and health benefits of Virgin Coconut Oil	-

4.C3. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed: Assessment of Processing Techniques for improving quality of Virgin Coconut Oil
2. Performance of the Technology on specific indicators : Virgin coconut oil quality was good in all 4 technology options, Among the four Technology T.O.3. Traditional practice has good nutritional value.
3.Specific Feedback from farmers : Among the four Technology T.O.3. Traditional practice has good nutritional value.
4.Specific Feedback from Extension personnel and other stakeholders
5. Feedback to Research System based on results and feedback received
6. Feedback on usefulness and constraints of technology

4.C1.Results of Technologies Assessed

5. Assessment on effectiveness of extension methods in adoption of Root feeding technology for control of Ganoderma in coconut

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
Coconut	Rainfed	Unaware of extension methods of Root feeding technology	Assessment on effectiveness of extension methods in adoption of Root feeding technology for control of Ganoderma in coconut	3	T.O.1 : Training	-	Progress					
					T.O.2 : Method Demonstration	-						
					T.O.3 : Video screening	-						

4. C2. Feedback on technologies assessed

Name of technology assessed	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
Assessment on effectiveness of extension methods in adoption of Root feeding technology for control of Ganoderma in coconut	➢ *Ganoderma* wilt is becoming severe in coconut (27 %, in > 20 year old palms) in Tumkur ➢ CPCRI & UASB developed technology to manage this disease ➢ Awareness & adoption gap (72%) due to lack of using appropriate extension methods	-

4.C3. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed : Assessment on effectiveness of extension methods in adoption of Root feeding technology for control of Ganoderma in coconut
2. Performance of the Technology on specific indicators
3. Specific Feedback from farmers
4. Specific Feedback from Extension personnel and other stakeholders
5. Feedback to Research System based on results and feedback received
6. Feedback on usefulness and constraints of technology

4.C1.Results of Technologies Assessed

6. Assessment of foliar application of micronutrient to enhance fruit yield and quality of Banana Cv. Yelakki

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
Banana	Irrigated	Low yield, Unaware of foliar application of micronutrient	Assessment of foliar application of micronutrient to enhance fruit yield and quality of Banana Cv. Yelakki	07	T.O.1 : Non application of micronutrients	-	Progress					
					T.O.2 : Foliar spray from 4/5th month of planting	IIHR, Bangalore						
					T.O.3: Foliar spray of 2% Banana Shakti at 4, 5 and 6 months after planting	NRC, Tiruchanapalli						

4. C2. Feedback on technologies assessed

Name of technology assessed	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
Assessment of foliar application of micronutrient to enhance fruit yield and quality of Banana Cv. Yelakki	Copper, calcium, Magnisium and boron deficiency was majorly noticed in banana field Reduction in weight and quality of the fruit, reduction in yield (30.44 t/ha) Improper bunch filling. Lack of awareness about the importance of micronutrients fertilization	-

4.C3. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed: Assessment of foliar application of micronutrient to enhance fruit yield and quality of Banana Cv. Yelakki
2. Performance of the Technology on specific indicators
3. Specific Feedback from farmers
4. Specific Feedback from Extension personnel and other stakeholders
5. Feedback to Research System based on results and feedback received
6. Feedback on usefulness and constraints of technology

4.C1.Results of Technologies Assessed

7. Assessment of Technology for high yield and Bacterial wilt resistance in Brinjal

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
Brinjal	Irrigated	Low yield and susceptible to bacterial wilt	Assessment of Technology for high yield and Bacterial wilt resistance in Brinjal	07	T.O.1 : Local	-	Progress		Pod length (cm): 27.38 Pod weight (kg): 63.18	Progress		
					T.O.2 : Arka Anand	IIHR, Bangalore			Pod length (cm): 25.06 Pod weight (kg): 74.98			
					T.O.3 : Grafted plants	IIVR (Varanasi)			Pod length (cm): 30.64 Pod weight (kg): 128.20			

4. C2. Feedback on technologies assessed

Name of technology assessed	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
Assessment of Technology for high yield and Bacterial wilt resistance in Brinjal	1. Framers cultivating local variety which gives low yield and susceptible to bacterial wilt which leads to economic losses 2. Arka Avinash reported as high yielding and bacterial wilt resistant varieties	-

4.C3. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed: Assessment of Technology for high yield and Bacterial wilt resistance in Brinjal
2. Performance of the Technology on specific indicators
3. Specific Feedback from farmers
4. Specific Feedback from Extension personnel and other stakeholders
5. Feedback to Research System based on results and feedback received
6. Feedback on usefulness and constraints of technology

4.C1. Results of Technologies Assessed

8. Assessment of different brooding chambers for honey productions

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
honey Bee	Rainfed	Tray made out of plastic and used in honey bee rearing method, wax moth attack	Assessment of different brooding chambers for honey productions	7	T.O.1 (Farmers practice)	-	Progress					
					T.O.2 : Plastic tray as brood chamber	UAS, Bangalore						
					T.O.3: waxy layer brood chamber	UAS, Bangalore						

4. C2. Feedback on technologies assessed

Name of technology assessed	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
Assessment of different brooding chambers for honey productions	It is a tray made out of plastic and used in honey bee rearing method Pest such as wax moth cant burrow through it Use of plastic tray as brood chamber will enhance yield and prevent disease	--

4.C3. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed : Assessment of different brooding chambers for honey productions
2. Performance of the Technology on specific indicators
3. Specific Feedback from farmers
4. Specific Feedback from Extension personnel and other stakeholders
5. Feedback to Research System based on results and feedback received
6. Feedback on usefulness and constraints of technology

4.D1. Results of Technologies Refined : Nil

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Refined	Source of technology	Yield	Unit of yield	Observations other than yield	Gross Return Rs. / unit	Net Return Rs. / unit	BC Ratio (Gross income/ Gross Cost)
1	2	3	4	5	6	7	8	9	10	11	12	13
					T.O.1 (Farmers practice)							
					T.O.2							
					T.O.3							

4. D2. Feedback on technologies refined

Name of technology refined	**Useful characters as well as constraints of technology**	**Socio-economic as well as administrative constraints for its adoption**

4.D.2. Details of Technologies refined:

1. Title of Technology Refined
2. Performance of the Technology on specific indicators
3. Specific Feedback from farmers
4. Specific Feedback from Extension personnel and other stakeholders
5. Feedback to Research System based on results/feedback received
6. Feedback on usefulness and constraints of technology

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/ Marginal	Others
	Oilseeds													
1	Pulses	Irrigated	Kharif 2024	Cowpea + Coconut	MFC-09-3	-	Intercro pping system	Demonstration of leguminous fodder cowpea MFC-09-3 as a inter crop in coconut orchard for enhancing milk yield	2	2	0	10	2	8
2	Pulses	Irrigated	Kharif 2024	Cowpea	MFC-09-3	-	IPM	Demonstration of bio-control method for management of aphids in cowpea	2	2	2	8	4	6
3	Pulses	Rainfed	Kharif 2024	Redgram	BRG-5	-	ICM	Demonstration of Integrated Crop Management in Red Gram Var. BRG-5	4	4	1	9	2	8
4	Pulses	Rainfed	Summer 2025	Black gram	LBG -791	-	ICM	Demonstration of Yellow Mosaic Virus tolerant black gram Variety LBG -791	2	2	1	9	2	8
5	Pulses	Irrigated	Kharif 2024	French bean + arecanut	Arkasharath	-	Intercro pping system	Demonstration of French bean var. Arkasharath in younger arecanut gardens	4	4	3	7	3	7
6	Cereals	Irrigated	Kharif 2024	Paddy	RNR 15048	-	ICM	Demonstration of paddy variety RNR 15048 for higher productivity	4	4	1	9	3	7
7	Millets	Rainfed	Rabi 2024	Finger millet	ML-322	-	ICM	Demonstration of new medium duration finger millet variety ML-322	4	4	2	8	4	6
8	Millets	Rainfed	Kharif 2024	Little millet	GPUL-6	-	ICM	Demonstration of Little millet	4	4	1	9	4	6

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/ Marginal	Others
								Variety GPUL-6 and it's marketing						
	Vegetables													
	Flowers													
	Ornamental													
9	Fruit	Irrigated	Perennial	-	-	-	ICM	Demonstration of bio formulations for improving quality and management of diseases in Pomegranate	4	4	2	8	3	7
	Spices and condiments													
	Commercial													
	Medicinal and aromatic													
10	Fodder	Irrigated	Perennial	Subabul	Nirbeeja grafts	-	ICM	Popularization of NARI Nirbeeja grafts of Subabul for nutritious fodder	500 seedlings	500 seedlings	0	10	3	7
11	Plantation	Irrigated	Perennial	Arecanut	Hirehalli tall	-	IPM	Demonstration on management of Spindle Bug in Younger Arecanut Garden	2	2	2	8	3	7
12	Plantation	Irrigated	Perennial	Coconut	Tiptur tall	-	INM	Arka Fermented Coco Peat for production of quality vegetable seedlings	-	-	1	9	2	8
13	Plantation	Irrigated	Perennial	Coconut	Tiptur tall	-	EDP	EDP - Coconut : Value Addition, Branding and Market Linkage	5 SHG	5 SHG	5	15	6	14
	Fibre													
14	Dairy	-	-	Calves	HF	-	INM	Management of Female Calves to attain early maturity	10 Calves	10 Calves	2	8	3	7
15	Dairy	-	-	Dairy	HF	-	IDM	Management of Dairy	10	10	1	9	3	7

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/ Marginal	Others
				Animals				Animals in Transition period	cows	cows				
	Poultry													
	Rabbitry													
	Piggery													
16	Sheep and goat	-	-	Goats	Local	-	IDM	Scientific management of Bucklings (Young male goats)	100 goats	100 goats	1	9	2	8
	Duckery													
	Common carps													
	Mussels													
	Ornamental fishes													
	Oyster mushroom													
	Button mushroom													
	Vermicompost													
	Sericulture													
	Apiculture													
17	Implements	Irrigated	Perennial	Coconut	Tiptur tall	-	Farm machinery	Demonstration of Coconut de-husking machine for efficient time and labor management	-	-	0	10	1	9
18	Implements	-	-	Sheep	Local	-	IDM	Demonstration of sheep wool shearing device for health and hygiene	-	-	1	9	2	8
	Others (specify)													

Sl. No.	Category	Farming Situation	Season	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	SC/ST	Others	Small/ Marginal	Others
19	Kitchen Waste Management	-						Eco friendly Management of Kitchen Waste and its usage for Home Gardening	-	-	2	10	4	8
20	Nutrition garden	-	-	Fruit and vegetables	-	-	Nutrition garden	Nutrition security of farm families through nutrition garden	-	-	2	28	10	20

5.A. 1. Soil fertility status of FLDs plots, if analyzed

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
	Oilseeds												
1	Pulses	Irrigated	Kharif 2024	Cowpea + Coconut	MFC-09-3	-	Intercropping system	Demonstration of leguminous fodder cowpea MFC-09-3 as a inter crop in coconut orchard for enhancing milk yield	Kharif 2024	M	M	M	Coconut
2	Pulses	Irrigated	Kharif 2024	Cowpea	MFC-09-3	-	IPM	Demonstration of bio-control method for management of aphids in cowpea	Kharif 2024	L	M	M	Ragi
3	Pulses	Rainfed	Kharif 2024	Redgram	BRG-5	-	ICM	Demonstration of Integrated Crop Management in Red Gram Var. BRG-5	Kharif 2024	L	M	M	Ragi
4	Pulses	Rainfed	Summer 2025	Black gram	LBG -791	-	ICM	Demonstration of Yellow Mosaic Virus tolerant black gram Variety LBG -791	Summer 2025	M	L	M	Redgram
5	Pulses	Irrigated	Kharif 2024	French bean + arecanut	Arkasharath	-	Intercropping system	Demonstration of French bean var. Arkasharath in younger arecanut gardens	Kharif 2024	M	L	M	Arecanut
6	Cereals	Irrigated	Kharif 2024	Paddy	RNR 15048	-	ICM	Demonstration of paddy variety RNR 15048 for higher productivity	Kharif 2024	L	M	M	Ragi
7	Millets	Rainfed	Rabi 2024	Finger millet	ML-322	-	ICM	Demonstration of new medium duration finger millet variety ML-322	Rabi 2024	L	M	M	Ragi
8	Millets	Rainfed	Kharif 2024	Little millet	GPUL-6	-	ICM	Demonstration of Little millet Variety GPUL-6 and it's marketing	Kharif 2024	M	L	M	Redgram
	Vegetables												
	Flowers												
	Ornamental												

9	Fruit	Irrigated	Perennial	-	-	-	ICM	Demonstration of bio formulations for improving quality and management of diseases in Pomegranate	Perennial	L	M	M	solo cropping
	Spices and condiments												
	Commercial												
	Medicinal and aromatic												
10	Fodder	Irrigated	Perennial	Subabul	Nirbeeja grafts	-	ICM	Popularization of NARI Nirbeeja grafts of Subabul for nutritious fodder	Perennial	M	L	M	solo cropping
11	Plantation	Irrigated	Perennial	Arecanut	Hirehalli tall	-	IPM	Demonstration on management of Spindle Bug in Younger Arecanut Garden	Perennial	L	M	M	solo cropping
12	Plantation	Irrigated	Perennial	Coconut	Tiptur tall	-	INM	Arka Fermented Coco Peat for production of quality vegetable seedlings	Perennial	M	L	M	solo cropping
13	Plantation	Irrigated	Perennial	Coconut	Tiptur tall	-	EDP	EDP - Coconut : Value Addition, Branding and Market Linkage	Perennial	L	M	M	solo cropping

5. B. Results of FLDs

5.B.1. Crops

Crop name	Name of the technology demonstrated	Variety	Thematic Area	No. of Demo.	Area (ha)	Yield (q/ha)		% Increase	Economics of demonstration (Rs./ha)				Economics of Check (Rs./ha)			
						Demo	Check		COC	Gross Return	Net Return	BCR	COC	Gross Return	Net Return	BCR
Cowpea + Coconut	Demonstration of leguminous fodder cowpea MFC-09-3 as a inter crop in coconut orchard for enhancing milk yield	MFC-09-3	Intercropping system	10	2	11 liter/ cow	9 liter/ cow	22.22	17,535	50,000	32,465	2.85	25,250	46,875	21,625	1.85
Cowpea	Demonstration of bio-control method for management of aphids in cowpea	MFC-09-3	IPM	10	2			Progress								

Crop name	Name of the technology demonstrated	Variety	Thematic Area	No. of Demo.	Area (ha)	Yield (q/ha)		% Increase	Economics of demonstration (Rs./ha)				Economics of Check (Rs./ha)			
						Demo	Check		COC	Gross Return	Net Return	BCR	COC	Gross Return	Net Return	BCR
Red Gram	Demonstration of Integrated Crop Management in Red Gram Var. BRG-5	BRG-5	ICM	10	4	10.25	7.50	36.66	33285	68992	35707	2.07	35650	50482	14832	1.41
Black gram	Demonstration of Yellow Mosaic Virus tolerant black gram Variety LBG -791	LBG -791	ICM	10	2					Progress						
French bean + arecanut	Demonstration of French bean var. Arkasharath in younger arecanut gardens	Arkasharath	Intercropping system	10	4	176.9	mono crop	-	-	-	-	-	-	-	-	-
Paddy	Demonstration of paddy variety RNR 15048 for higher productivity	RNR 15048	ICM	10	4	60.98	50.15	21.59	61,618	1,56,832	95,214	2.54	62,843	1,08,470	45,627	1.72
Finger millet	Demonstration of new medium duration finger millet variety ML-322	ML-322	ICM	10	4	26.55	22.50	18.00	39625	120030	80405	3.02	37625	101775	64150	2.70
Little millet	Demonstration of Little millet Variety GPUL-6 and it's marketing	GPUL-6	ICM	10	4	18.11	15.32	18.21	45142	82980	37838	1.83	41663	70196	28533	1.68
Pomegranate	Demonstration of bio formulations for improving quality and management of diseases in Pomegranate	-	ICM	10	4	Progress										

Crop name	Name of the technology demonstrated	Variety	Thematic Area	No. of Demo.	Area (ha)	Yield (q/ha)		% Increase	Economics of demonstration (Rs./ha)				Economics of Check (Rs./ha)			
						Demo	Check		COC	Gross Return	Net Return	BCR	COC	Gross Return	Net Return	BCR
Fodder	Popularization of NARI Nirbeeja grafts of Subabul for nutritious fodder	Nirbeeja grafts	ICM	10	500 seedlings	Progress										
Arecanut	Demonstration on management of Spindle Bug in Younger Arecanut Garden	Hirehalli tall	IPM	10	2	Progress										
Coconut	Arka Fermented Coco Peat for production of quality vegetable seedlings	Tiptur tall	INM	10	-	-	-	-	-	-	-	-	-	-	-	-

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Data on additional parameters other than yield (viz., reduction of percentage in weed/pest/diseases etc.)

Demonstration of leguminous fodder cowpea MFC-09-3 as a inter crop in coconut orchard for enhancing milk yield

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check**
Plant height / plant (cm)	43.5	201.49
No. of Branches / plant (No.)	5.6	29.33
Fodder yield (ton/ha)	20	62.5
Palatability (%)	95.00	75.00

Demonstration of Integrated Crop Management in Red Gram Var. BRG-5

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check**
Labour requirement per nipping (hr/ha)	14	55
No. of Branches / plant (No.)	11.6	8.9
Plant height / plant (cm)	158.3	164.7
No. of pods / plant (No.)	156	104
pod setting (%)	75.4	69.2

Demonstration of French bean var. Arkasharath in younger arecanut gardens

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check**
Plant height / plant (cm)	40.56	Mono crop
No. of pods / plant (No.)	35.96	
pod length (cm.)	13.79	
Yield / plant (q /ha)	0.72	
Weed count / sq. feet (%)	3.7	
Weed control / sq. feet (%)	60-65	

Demonstration of paddy variety RNR 15048 for higher productivity

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check**
Plant height / plant (cm)	85.23	71.90
No. of Branches / plant (No.)	26.4	20.56
Blast incidence (%)	6.2	14.56
Stem borer incidence (%)	13.30	16.54
Panicle length (cm)	28.22	24.44
Straw yield (ton/ha)	10.48	8.17

Demonstration of new medium duration finger millet variety ML-322

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check**
Plant height / plant (cm)	78.42	74.01
No. of tillers / plant (No.)	6.40	4.55
No. of Branches / plant (No.)	7.01	5.82
Blast incidence (%)	7.2	10.5
Straw yield (ton/ha)	6.14	5.25

Demonstration of Little millet Variety GPUL-6 and it's marketing

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check**
Plant height / plant (cm)	90.39	83.11
No. of panicles / plant (No.)	5.42	4.31
No. of tillers / plant (No.)	7.61	5.95
Straw yield (q/ha)	2.48	1.12

Arka Fermented Coco Peat for production of quality vegetable seedlings

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check**
Germination (%)	96.78	94.30

Days taken to Germination (No.)	4.09	4.5
Seedling height (cm)	12.00	10.85
Disease incidence (%)	1.25	6.75
Root length (cm)	8.40	6.50
B : C	1.65	1.30

Feedback on technologies demonstrated

Name of technology demonstrated	**Useful characters as well as constraints of technology**	**Socio-economic as well as administrative constraints for its adoption**
Arka Fermented Coco Peat for production of quality vegetable seedlings	Arka Fermented Coco Peat used vegetable seedlings production increase germination of 96.78 % and high root mass	--
Demonstration of bio formulations for improving quality and management of diseases in Pomegranate	Arka actino plus results in Low incidence of Bacterial wilt and good quality fruit	--
Demonstration of French bean var. Arkasharath in younger arecanut gardens	Photo incentive variety and additional income	--

5. B 2. Data on IFS demonstrations including KVK farm demo model : Nil

Name of the IFS technology demonstrated	**Name of IFS Components**				**Total Area (ha)**	**IFS Yield (q/ha)**				**Check yield (Mono crop)**	**% Increase over check**	**Economics of IFS demonstration (Rs./ha)**			**Economics of check demonstration (Rs./ha)**		
	1	2	3	4		**Component wise (Mention name of component and yield parameter)**											
												Gross Return	**Net Return**	**BCR**	**Gross Return**	**Net Return**	**BCR**
						1	**2**	**3**	**4**								

Feedback on IFS technologies demonstrated : **Nil**

Name of IFS technology demonstrated	**Useful characters as well as constraints of technology**	**Socio-economic as well as administrative constraints for its adoption**	**Number of Activities**		**No. of farmers benefited**	
			Demo	**Training**	**Demo**	**Training**

5. B. 3. Livestock and related enterprises

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Total No. Animal	Name of the parameter with unit	Major parameters		% Increase	*Economics of demonstration Rs./unit)			*Economics of check (Rs./unit)		
							Demo	Check		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
Dairy	Management of Female Calves to attain early maturity	HF	10	1	10	Progress									
Dairy	Management of Dairy Animals in Transition period	HF	10	1	10	Progress									
Poultry															
Rabbitry															
Pigerry															
Sheep and goat	Scientific management of Bucklings (Young male goats)	Local	10	10	100	Progress									
Duckery															
Others (pl.specify)															

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= Gross Return/Gross Cost

Data on additional parameters other than yield (viz., reduction of percentage diseases, increase in conceiving rate, inter-calving period etc.) : Nil

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check if any**

5. B 4. Feedback on livestock technologies demonstrated : **Nil**

Name of livestock technology demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption

5.B. 5. Fisheries : **Nil**

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Total No of fingerlings	Name of the parameter with unit	Major parameters		% Increase	*Economics of demonstration Rs./unit)			*Economics of check (Rs./unit)		
							Demo	Check		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
Common carps															
Mussels															
Ornamental fishes															
Others (pl.specify)															

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H-High L-Low, A-Average

Data on additional parameters other than yield (viz., reduction of percentage diseases, effective use of land etc.) : Nil

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Check if any**

5. B6. Feedback on fisheries technologies demonstrated : **Nil**

Name of fisheries technology demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption

5.B. 7. Other enterprises

Enterprise	Name of the technology demonstrated	Variety/ species	No. of Demo	Size of unit {m^2}	Total no of units	Name of the parameter with unit	Major parameters		% Increase	*Economics of demonstration (Rs./unit) or (Rs./m2)			*Economics of check (Rs./unit) or (Rs./m2)		
							Demo	Check		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
Oyster mushroom															
Button mushroom															
Vermicompost															
Sericulture															
Apiculture															
Others (pl.specify)															
Coconut	EDP - Coconut : Value Addition, Branding and Market Linkage	Tiptur tall	5 SHG	-	Progress										

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= Gross Return/Gross Cost
H-High L-Low, A-Average

Data on additional parameters other than yield (viz., additional income realized, employment generation, quantum of farm resources recycled etc.) : Nil

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Local**

5. B8. Feedback on enterprises demonstrated : **Nil**

Name of enterprise demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption

5.B.9. Farm implements and machinery

Name of the implement	Cost of the implement in Rs.	Name of the technology demonstrated	No. of Demo	Area covered under demo in ha	Name of the operation with unit	Labour requirement in Man days		% save	Savings in labour (Rs./ha)	*Economics of demonstration (Rs./ha)			*Economics of check (Rs./ha)		
						Demo	Check			Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
Coconut de-husking machine	25000	Demonstration of Coconut de-husking machine for efficient time and labor management	10	-	Coconut de-husking				*						
sheep wool shearing device	20000	Demonstration of sheep wool shearing device for health and hygiene	10	-	Will be initiated in summer	-	-	-	-	-	-	-	-	-	-

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= Gross Return/Gross Cost

Data on additional parameters other than labour saved (viz., reduction in drudgery, time etc.)

*** Demonstration of Coconut de-husking machine for efficient time and labor management**

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Local**
De-husking capacity (Nuts/ hr)	731	188
Per day (8 hr) de-husking capacity (No.)	5904	1440
Time required to de-husk 1000 nuts (hr)	1.20	5.50
Brakeage (%)	4.00	-
Cost of de-husking / nut (Rs.)	0.16	0.80
Cost of de-husking 1000 nut (Rs.)	160	800
Percentage saving in time	78.18	
Percentage saving in operation cost	80.00	

5. B10. Feedback on farm implements demonstrated

Name of farm implement demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption
Demonstration of Coconut de-husking machine for efficient time and labor management	Coconut de-husking machine save operation cost (80%) and time	-

5. B. 11.Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Number of participants	Remarks
1	Field days	11	279	-
2	Farmers Training	42	630	-
3	Media coverage	20	-	-
4	Training for extension functionaries	-	-	-
5	Others (Please specify)	49	1078	-

5. C. Women and children empowerment programme conducted : Nil

Category	Name of the programme	No of programmes	No of Participants
Women	Awareness programmes		
	Coconut tree climbing		
	Drudgery Reduction		
	Enterprises		
	Farming System		
	Health and nutrition		
	Kitchen Garden		
	Nutrigarden		
	Storage Technique		
	Value addition		
	Women Empowerment		
	Others		
	Total		
Children	Health		
	Others		
	Total		
Grand Total			

PART VI – DEMONSTRATIONS ON CROP HYBRIDS

6.1 Demonstration details on crop hybrids : Nil

Crop name	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
				Demo	Check		COC	Gross	Net Return	**	COC	Gross	Net Return	**

								Return		BCR		Return		BCR
Total														

*Please ensure that the name of the hybrid is correct pertaining to the crop specified

6.2 Feedback on crop hybrids demonstrated : Nil

Name of crop hybrid demonstrated	Useful characters as well as constraints of technology	Socio-economic as well as administrative constraints for its adoption

Others

Category	Thematic area	Technology Demonstrated	Number of Demo / Farmers	Stage
Kitchen Waste Management	Kitchen Waste Management	Eco friendly Management of Kitchen Waste and its usage for Home Gardening	12	Progress
Nutrition garden	Nutrition garden	Nutrition security of farm families through nutrition garden	30	Progress

PART VII. TRAINING

7.A.. Training of Farmers and Farm Women including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management										
Resource Conservation Technologies	2	33	13	46	7	7	14	46	14	60
Cropping Systems	3	65	20	85	15	12	27	80	32	112
Crop Diversification	1	35	18	53	11	7	18	46	25	71
Integrated Farming	1	59	23	82	18	9	27	87	32	109
Micro Irrigation/Irrigation										
Seed production	2	59	35	94	18	10	28	97	45	122
Nursery management										
Integrated Crop Management										
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)										
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	4	20	8	28	4	4	8	24	12	36
Off-season vegetables	3	18	12	30	5	3	8	23	15	38
Nursery raising	2	60	25	85	10	8	18	70	33	103
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation	6	25	15	40	11	6	17	36	21	57
Others (pl.specify)										

b) Fruits										
Training and Pruning	4	23	10	30	4	5	9	27	15	42
Layout and Management of Orchards										
Cultivation of Fruit	3	20	3	23	4	2	6	24	5	29
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										

Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency	3	65	13	78	10	7	17	75	20	95
Balanced use of fertilizers										
Soil and water testing	5	80	10	90	15	10	25	95	20	115
Others (pl.specify)										
Livestock Production and Management										
Dairy Management	1	20	15	35	5	3	8	25	18	43
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management	1	28	13	41	11	5	16	39	18	57
Animal Disease Management	1	40	12	52	13	3	16	53	15	68
Feed and Fodder technology	3	15	5	20	3	2	5	18	7	25
Production of quality animal products										
Others (pl.specify)										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1	2	21	23	2	5	7	4	26	30
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										

Minimization of nutrient loss in processing	1	20	60	80	10	25	35	30	85	115
Processing and cooking										
Gender mainstreaming through SHGs	1	0	23	23	-	11	-	34	-	34
Storage loss minimization techniques										
Value addition	2	-	60	60	-	15	15	-	75	75
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care										
Others (pl.specify)										
Agril. Engineering										
Farm machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management	1	20	3	23	3	-	3	23	3	26
Integrated Disease Management	2	23	4	27	5	1	6	28	5	33
Bio-control of pests and diseases	1	40	6	46	8	2	10	48	8	56
Production of bio control agents and bio pesticides	2	21	3	24	6	1	7	27	4	31
Others (pl.specify)										
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										

Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl.specify)										
Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics										

Formation and Management of SHGs	8	80	10	90	15	10	25	95	20	115
Mobilization of social capital										
Entrepreneurial development of farmers/youths	10	180	10	190	15	10	25	195	20	215
Others (pl.specify)										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**74**	**1051**	**450**	**1501**	**228**	**183**	**411**	**1279**	**633**	**1912**

7.B Training of Farmers and Farm Women including sponsored training programmes (Off campus)

Area of training	**No. of Courses**	**No. of Participants**								
		General			**SC/ST**			**Grand Total**		
		Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems	2	28	18	46	5	4	9	33	22	55
Crop Diversification	1	25	3	28	3	1	4	28	4	32
Integrated Farming	1	15	5	20	3	1	4	18	6	24
Micro Irrigation/Irrigation	1	18	3	21	5	1	6	23	4	27
Seed production	1	10	3	13	2	-	2	12	3	15
Nursery management	1	15	5	20	3	2	5	18	7	25
Integrated Crop Management	1	12	3	15	2	-	2	14	3	17
Soil and Water Conservation	1	25	5	30	5	5	10	30	10	40
Integrated Nutrient Management	1	30	3	33	10	4	14	40	7	47
Production of organic inputs										
Others (pl.specify)										

Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables	2	30	12	42	10	5	15	40	17	57
Nursery raising	3	55	28	83	7	4	11	62	32	94
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation	1	33	11	44	8	3	11	41	14	55
Others (pl.specify)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify)										
d) Plantation crops										
Production and Management technology	2	25	3	28	10	2	12	35	5	40
Processing and value addition										

Others (pl.specify)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops	2	22	7	29	4	2	6	26	9	35
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing	1	53	13	66	5	2	7	58	15	73
Others (pl.specify)										
Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										

Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology										
Production of quality animal products										
Others (pl.specify)										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	2	2	26	28	1	1	2	3	27	30
Design and development of low/minimum cost diet	3	-	20	20	-	2	2	-	22	22
Designing and development for high nutrient efficiency diet	2	-	20	20	-	5	5	-	25	25
Minimization of nutrient loss in processing	2	4	32	36	2	7	9	6	39	45
Processing and cooking	4	2	69	71	-	15	15	2	84	86
Gender mainstreaming through SHGs										
Storage loss minimization techniques	3	1	28	29	2	7	9	3	35	38
Value addition	5	-	86	86	-	10	10	-	96	96
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care										
Others (pl.specify)										
Agril. Engineering										
Farm machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify)										

Plant Protection										
Integrated Pest Management	2	51	12	63	17	05	22	68	17	85
Integrated Disease Management	5	98	22	120	22	3	25	120	25	145
Bio-control of pests and diseases	2	25	2	27	6	1	7	31	3	34
Production of bio control agents and bio pesticides	4	101	7	108	18	5	23	119	12	131
Others (pl.specify)										
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl.specify)										

Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										

Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	55	898	352	1250	320	132	452	1218	484	1702

7.C.Training for Rural Youths including sponsored training programmes (on campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming	1	23	2	25	6	-	6	29	2	31
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements	2	125	5	130	18	2	20	143	7	150
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify) friends on coconut tree	2	38	-	38	2	-	2	40	-	40
TOTAL	5	186	7	193	0	26	26	186	33	219

7.D. Training for Rural Youths including sponsored training programmes (off campus) : Nil

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										

Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL										

7.E.Trainingprogrammes for Extension Personnel including sponsored training programmes (on campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology	1	25	5	30	3	3	6	28	8	36
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care	2	-	81	81	-	10	10	-	91	91
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security	1	3	26	29	-	11	11	3	37	40
Any other (pl.specify)										
Total	4	28	112	140	3	24	27	31	136	167

7.F. Training programmes for Extension Personnel including sponsored training programmes (off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	1	20	4	24	3	1	4	23	5	28
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
Total	1	20	4	24	3	1	4	23	5	28

7.G. Sponsored training programmes conducted

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Increasing production and productivity of crops	1	85	11	96	15	4	19	100	15	115
1.b.	Commercial production of vegetables										
2	**Production and value addition**										
2.a.	Fruit Plants										
2.b.	Ornamental plants										
2.c.	Spices crops										
3.	**Soil health and fertility management**										
4	**Production of Inputs at site**										
5	**Methods of protective cultivation**										
6	**Others (pl.specify) plant protection**										
7	**Post harvest technology and value addition**										
7.a.	Processing and value addition										
7.b.	Others (pl.specify)										
8	**Farm machinery**										
8.a.	Farm machinery, tools and implements										
8.b.	Others (pl.specify)										
9.	**Livestock and fisheries**										
10	**Livestock production and management**										
10.a.	Animal Nutrition Management										
10.b.	Animal Disease Management										
10.c	Fisheries Nutrition										
10.d	Fisheries Management										
10.e.	Others (pl.specify)										
11.	**Home Science**										
11.a.	Household nutritional security										
11.b.	Economic empowerment of women										
11.c.	Drudgery reduction of women										
11.d.	Others (pl.specify) krishi sakhi	25	0	300	300	0	50	350	0	350	350
12	**Agricultural Extension**										
12.a.	CapacityBuilding and Group Dynamics	1	15	60	75	5	30	35	20	90	110
12.b.	Others (pl.specify) FocT	2	158	63	221	42	18	60	200	81	281
	Nursery	1	15	-	15	-	-	-	15	-	15
	Total	34	180	850	1030	8	50	58	188	900	1088

Details of sponsoring agencies involved

1. CDB, Bangalore
2. MANAGE, Hyderabad
3. Sanjivini, Bangalore
4. NIPHM, Hyderabad

7.H. Details of Vocational Training Programmes carried out by KVKs for rural youth : Nil

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Commercial floriculture										
1.b.	Commercial fruit production										
1.c.	Commercial vegetable production										
1.d.	Integrated crop management										
1.e.	Organic farming										
1.f.	Others (pl.specify)										
2	**Post harvest technology and value addition**										
2.a.	Value addition										
2.b.	Others (pl.specify)										
3.	**Livestock and fisheries**										
3.a.	Dairy farming										
3.b.	Composite fish culture										
3.c.	Sheep and goat rearing										
3.d.	Piggery										
3.e.	Poultry farming										
3.f.	Others (pl.specify)										
4.	**Income generation activities**										
4.a.	Vermi-composting										
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.										
4.c.	Repair and maintenance of farm machinery and implements										
4.d.	Rural Crafts										
4.e.	Seed production										
4.f.	Sericulture										
4.g.	Mushroom cultivation										
4.h.	Nursery, grafting etc.										
4.i.	Tailoring, stitching, embroidery, dying etc.										
4.j.	Agril. para-workers, para-vet training										
4.k.	Others (pl.specify)										
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics										
5.b.	Others (pl.specify)										
	Grand Total										

7.F. Details of Skill Training Programmes carried out by KVKs under ASCI : Nil

i. Short Term Training (STT)

S. No.	Name of Job Role	Date of Start	Date of Close	Total Participants	No. of Participants									Date of Assessment	No of Participants passed assessment
					General			SC/ST			Grand Total				
					Male	Female	Total	Male	Female	Total	Male	Female	Total		
1															

ii. Recognition of Prior Learning (RPL): Nil

S. No.	Name of Job Role	Date of Start	Date of Close	Total Participants	No. of Participants									Date of Assessment	No of Participants passed assessment
					General			SC/ST			Grand Total				
					Male	Female	Total	Male	Female	Total	Male	Female	Total		
1															

PART VIII – EXTENSION ACTIVITIES

8.1. Extension Programmes (including extension activities undertaken in FLD programmes)

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Advisory services	7125	5600	1120	6720	260	120	380	15	10	25
Farmers visit to KVKs	9815	8435	1100	9535	129	21	150	-	-	0
Lectures delivered as resource persons	117	2700	950	3650	648	315	963	300	57	357
Diagnostic Visits	40	290	55	345	5	5	10	-	-	0
Field Days	11	348	39	387	34	20	54	15	7	22
Group discussions/ meetings	48	390	102	592	80	40	120	3	2	5
Kisan Gosthies	-	-	-	-	-	-	-	-	-	0
Film Shows	19	400	106	806	50	30	80	-	-	0
Self help group meetings										
Mahila mandals meetings										
Kisan Melas	-	-	-	-	-	-	-	-	-	0
Exhibitions	9	1050	240	1290	110	40	150	30	20	50
Scientist visit to farmers fields	283	713	211	1024	160	46	206	10	5	15
Soil health camps										
Animal health camps	1	100	20	120	35	35	70			0
Plant health camps	-	-	-	-	-	-	-	-	-	0
Farm Science Club meetings	-	-	-	-	-	-	-	-	-	0
Ex-trainees Sammelans	-	-	-	-	-	-	-	-	-	0
Farmers seminars										
Workshops										
Method Demonstrations	46	417	169	586	60	30	90	3	2	5
Celebration of important days	14	617	293	910	164	54	218	19	12	31
Special day celebrations	6	180	42	222	28	18	46	8	7	15
Exposure visits	25	250	35	285	18	22	40	28	22	50
Others, Please specify	-	-	-	-	-	-	-	-	-	0
Total	**17514**	**20443**	**4112**	**25055**	**1571**	**702**	**2273**	**376**	**103**	**479**

8.2 Other extension activities like print and electronic media etc.

Sl. No.	**Type of media/activity**	**Number of activities/Number**
1	Popular articles	
2	Newspaper coverage	**59**
3	Extension Literature	**3**
4	Radio Talks	
5	TV Talks	**4**
6	CD/DVD/Video clips	

7	Animal health camps (no. of animal treated)	
8	Others, please specify	
	Total	

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIAL

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Name of the Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	Ragi	-	5	-	-
Oilseeds					
Pulses	Redgram	BRG-5	2	-	-
Commercial crops					
Vegetables					
Flower crops					
Spices					
Fodder crop seeds					
Fiber crops					
Forest Species					
Others (specify)					
Total			**7**		

9.B. Production of hybrid seeds by the KVKs : Nil

Crop category	Name of crop	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Total					

9.C. Production of planting material by the KVKs

Crop category	Name of the crop	Variety	Number	Value (Rs.)	Number of farmers to whom provided
Commercial					
Fruits	Banana	Elakki	3,486	87150	355
	Jamun	Local	102	10200	30
	Butter fruit	Local	364	58240	135
Ornamental plants					
Medicinal and Aromatic					
Plantation	Arecanut	Hirehalli tall	2,367	74745	310
	Coconut	Tiptur tall	633	66450	155
Spices					
Tuber					
Fodder crop saplings					
Forest Species					
Others(specify)					
Amla	Amla	Local	141	8460	20
Total			**7093**	**305245**	**1005**

9.D. Production of hybrid planting materials by the KVKs

Crop category	Name of crop	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Vegetable seedlings	Drumsick	Bhagya	2,251	22510	235
	Curry leaves	Suhasini	228	11400	38
	Grafted Brinjal	Mycho – 91	3,500	35000	350
	Brinjal	Mycho – 9	9800	9800	222
Fruits	Papaya	Red lady	2,185	43700	253
	Mango	Badami, Mallika	395	39500	112
	Sapota	Cricket ball	127	12700	35
	Lemon	Balaji	272	13600	55
	Tamarind	DTS	58	4350	12

	Guava	Allahabad safed	265	26500	55
Total			**19,081**	**219060**	**1367**

9.C. Production of Bio-Products : Nil

Bio Products	Name of the bio-product	Quantity (q)	Value (Rs.)	Number of farmers to whom provided
Bio Fertilizers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others (specify) Vermi compost	Vermi compost	2030	30450	58
Total		**2030**	**30450**	**58**

9.D. Production of livestock:

Particulars of Livestock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals				
Cows	HF	2428 liters	30450	65
Buffaloes				
Calves				
Others (Pl. specify) Sheep	Local	6	40600	5
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Fingerlings				

Others (Pl. specify)				
Total				

PART X – PUBLICATIONS, SUCCESS STORY, INNOVATIVE METHODOLOGY, ITK, TECHNOLOGY WEEK

10. A. Literature Published

(i) Summary of published

Item	Number
Research papers- International	-
Research papers- National	-
Technical reports	-
Technical bulletins	-
Popular articles – English	1
Popular articles – Local language	2
Extension literature	10
Others if any	1

(ii) Details of Literature published(provide details only on Research articles and Technical Reports)

Please provide the details of publications (Research articles and Technical reports only) in the following format:

1. Research articles in journals: Complete citation indicating authors, year of publication, title of publication, journal name, volume and page number in sequence.

2. Technical Reports: Authors name, Title of the technical report, name of publishing KVK, number of pages.

Example:

Abrol I P, Dargan K S and Bhumbla D R, (1973) Reclaiming Alkali Soils,Report No. 2,KVK, Karnal, 58p.

10.B. Details of Electronic Media Produced

S. No.	Type of media	Title	Details
1	CD / DVD		
2	Mobile Apps		
3	Social media groups with KVK as Admin		
4	Facebook account name	Kvk Tumakuru	https://www.facebook.com/profile.php?id=61566660370291
5	Instagram account name	kvktumakuru	https://www.instagram.com/kvktumakuru/
6	Others if any - Twitter	KVKTumakuru1	https://x.com/KVKTumakuru1
7	e – News Letter	KALPAVRUKSHA	http://kvktumakuru.org/newsletter.html

10.C. Success Stories / Case studies, if any (two/three-pages write-up on each case with suitable action photographs. The Success Stories / Case Studies need not be restricted to the reporting period).

This will be considered only with suitable photos for further reporting/reference.

The Broad outline for the case study may be

Title : Bumper Yield and Income - New chilli hybrid Arka Gagan

Background

Mr. Dhananjay is a small farmer with land holding of 2 acre dry land and 1 acre irrigated land
He was cultivating Ragi, Coconut, Arecanut and Chilli
Last year he grown ulka hybrid of chilli in 1 acre land and lost nearly 1 lack rupees due to heavy infestation of leaf curl

Interventions

KVK Tiptur conducted group meeting to select beneficiary farmers for FLD on "Demonstration of Integrated Crop management in green Chilli (Arka Gagan) hybrid" and he showed lot of interest to grow new hybrid chilli in 0.5 ac and followed all the advise timely.

Impact

He got 12.5 t of green chilli in half an acre which is 22.7 per cent higher yield than previous year
Less incidence of leaf curl 8.6 per cent
Got good market price for its pungency
Earned Net profit of 1,75,000 in 6 months

Photos

Title : 'Coconut Tree Climber' makes life and the task of climbing a cake walk!

Background:

Mr. Devanand s/o Late Rammayya marginal farmer with land holding of 3 acre dry land
He was played multiple roles as labor in farm lands, lorry driver as well as farmer to sustain his life with a savings of Rs. 200-250 per day.

Interventions

By the advertisement of KVK regarding training programme he attended six days training programme on Friends of Coconut Tree (FoCT) sponsored by CDB.
He was actively involved in all the activities of training programme and learnt about Palm climbing and Plant Protection technologies.

Impact

Initially he started harvesting his own farm nuts along with harvesting of nuts from neighboring farms.
Mr. Devanand is now a more demanding person in the District and neighboring districts for harvesting of Coconuts and Crown cleaning along with plant protection work.
He is capable of climbing 60-80 plants per day and charging Rs. 50 per palm and earning 2,000 to 2,500 per day. Per month he is earning Rs. 35,000 from coconut harvesting.
He also working as master trainer for FoCT programmes.
Mr. Devanand proudly says that, the KVK has given him new life capacitated his knowledge and skills on various aspects of agriculture. Today I am recognized as a tree climber and IFS farmers. He is also rearing sheep and cattle and earning overall 8 lakhs per month and leading respectable life in the village.

Photos

10.D. Give details of Innovative Methodology or Innovative Approach of Transfer of Technology developed and used during the year

Innovative technologies (or activities) developed by KVK Konehalli, Tumkur and their adoption level

Sl.No.	Crop / Enterprise	Innovative technology / activity	Adoption rate(%)
1	CBA's	a. Redgram&Ragi growers association b. Palm climbers associations	40 50
2	Coconut	Grading and Marketing linkage	25
3	Minor millets	Grading, Branding & Market Linkage	38
4	Soil Fertility management	Soil test based nutrient management in crops	17

10.E. Give details of Indigenous Technical Knowledge practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK	Scientific Rationale
1	Paddy/Ragi	Seedlings were transplanted equi distance at spacing of 22.5 x 22.5cm	It facilitates intercultivation in both directions, conserves moisture, controls weeds and enhance tillering	-
2	Ragi	Sowing seeds mixed with FYM	It ensures better moisture and nutrient supply and reduces seed rate and finally lesser cost of production	-
4	Coconut	Application of common salt Planting cactus near tree	Cost effective substitute for potash and also acts as on insect repellent To control stem bleeding	-
5	Arecanut	Application of Tank silt @ 50ton/ha	Supply nutrient to crop	-
6	Paddy	Calotropies(yekka) branches are placed at the water inlet	Acts as a insect repellent	-
7	Coconut	Root feeding with neem oil	Reduce stem bleeding	-
8	Coconut	Planting kalli plants at the base of coconut palm	Reduce stem bleeding	-
9	Perennial crops	Rag husk, coconut fronds and husk are used as mulch	Check evaporation and weed growth	-
10	Redgram	Redgram is mixed with castor oil and stored in earthen vessel	Physical barrier to pests	-
11	Vegetable garden	Maize is grown around vegetable garden	Physical barrier to cattle and acts as a trap crop for insects	-

10 F. Technology Week celebration: Nil

Period of observing Technology Week: From to
Total number of farmers visited :
Total number of agencies involved :
Number of demonstrations visited by the farmers within KVK campus :

Other Details

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

10 E. Recognition and Awards: Please give details about National and State level recognition and awards

Indian Glory Award 2024- ICAR-Krishi Vigyan Kendra, Tiptur, Tumkur Dist., UAS, Bangalore awarded with **Centre of Excellence in ToT Award** in recognition of outstanding contribution, dedication and remarkable achievement in specialized domain.

Indian Icon Awards 2024-Dr. Govinda Gowda V. Senior Scientist and Head KVK, Tumkur-1, UAS, Bangalore awarded with **Best Senior Scientist and Head of KVK for the year -2023 Award** in recognition of outstanding contribution, dedication and remarkable achievement in specialized domain.

Indian Icon Awards 2024- Dr. Govinda Gowda V. Senior Scientist and Head of Krishi Vigyan Kendra, University of Agricultural Sciences, Bangaloreawarded with**Social Scientist Award** in recognition of outstanding contribution, dedication and remarkable achievement in specialized domain.

ICAR-KVK, Tiptur, Tumkur-1 Senior Scientist and Head Dr. V. Govinda Gowda as a leader and Agronomy Scientist Dr. Tasmiya kowsar as a co- leader received certificate of merit along with cash incentive for generating a net income of Rs. 3.10 lakhs for soil and water testing laboratory for the year 2023-24

PART XI – SOIL AND WATER TEST

11.1 Soil and Water Testing Laboratory

A. Status of establishment of Lab **:** Good

1. Year of establishment : 17-12-2005
2. List of equipment's purchased with amount :

Sl. No	Name of the Equipment	Qty. (No.)	Cost (Rs.)	Status
1	pH meter	02	43550	Good
2	Conductivity bridge	01	7400	Good
3	Physical Balance	01	12,000	Good
4	Chemical Balance	01	48,900	Good
5	Magnetic stirrer with Hot Plate	01	5500	Good
6	Shaker with DC Motor	01	27,600	Good
7	Hot Air Oven	01	20,000	Good
8	Water Distillation Still	01	48,850	Good
9	Spectrophotometer	01	46,200	Good
10	Flame Photometer	01	38,720	Good
11	Kjeldahl Digestion and Distillation Setup	01	1,67,709	Good
12	LG Refrigerator with Stabilizer and Stand	01	15,970	Good
13	Kanchan Mixer Grinder	01	1800	Good
14	Pusa Digital STFR meter Kit	01	53,400	Good
15	Digital electrical conductivity meter	01	15,845	Good
16	Epson L655 ink tank printer	01	29568	Good
17	Dell inspiron computer	01	59708	Good
18	Electronic balance	01	46080	Good
19	Double distillation Unit	01	94663	Good
20	Double beam Automatic absorption spectrophotometer (AAS)	01	2195540	Good
21	Water softner	01	15600	Good
22	Computer, laptop and other accessories	01	180000	Good
23	Visible spectrophotometer	01	97,940	Good

24	PC link software for spectrophotometer	01	49,560	Good
25	Micro controller based flame photometer	01	64900	Good
26	TDS meter	01	2800	Good
27	Orbital shaker	01	11,000	Good
28	Soil moisture kit	01	3,000	Good
29	Soil organic carbon estimation kit	01	2,800	Good

B. Details of samples analyzed since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	**10478**	**10032**	**3898**	**3143400**
Water Samples	**8461**	**8124**	**2943**	**2498100**
Plant samples				
Manure samples				
Others (specify)				
Total	**18939**	**18156**	**6841**	**5641500**

C. Details of samples analyzed:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	**699**	**658**	**565**	**209700**
Water Samples	**402**	**388**	**322**	**80400**
Plant samples				
Manure samples				
Others (specify)				
Total	**1101**	**1046**	**887**	**290100**

11.2 Mobile Soil Testing Kit : Nil

A. Date of purchase and current status

Mobile Kits	Date of purchase	Current status
1.		-
2.		

B. Details of soil samples analyzed and since establishment with Mobile Soil Testing Kit: Nil

	During 2023	During 2024	Cumulative progress (Total)
Samples analyzed (No.)			
Farmers benefited (No.)			

Villages covered (No.)			

11.3 Details of soil health cards issued based on SWTL & Mobile Soil Testing Kit:

Particulars	Date (s)	Villages (No.)	Farmers (No.)	Samples analyzed (No.)	Soil health cards issued (No.)
SWTL		**565**	**658**	**699**	**699**
Mobile Soil Testing Kit		-	-	-	-

11.4 World Soil Health Day celebration

Sl. No.	Farmers participated (No.)	Soil health cards issued (No.)	VIPs (MP/ Minister/MLA attended (No.)	Other Public Representatives participated	Officials participated (No.)	Media coverage (No.)
1	**64**	**55**	-	**3**	**2**	**2**

PART XII. IMPACT

12.A. Impact of KVK activities (Not restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Integrated crop management in green Chilli (*Capsicum annuum* L.)	10	75	1,06,500	1,55,940
			B:C - 2.36	B:C - 2.91
Integrated crop management in Tomato	20	80	1,44,620	2,20,480
			2.37	3.15
Assessment of Soil test based nutrient recommendations adopted by farmers of cluster villages of Tiptur Taluk, Tumkur district	289	60	Farmers were experienced decrease in cost of cultivation by 10-15% and increased crop yield by 15-20 %.	
Community based Monitoring and management of Red palm weevil and Rhinoceros beetle in coconut through pheromone traps	995	92	Trapping and destruction of rhinoceros beetle through pheromone traps resulted in the reduction of leaf and spindle damage by 22.5 and 55, respectively. Use of pheromone trap for red palm weevil was found to effectively reduce the palm damage by 65% and 78% dead palms.	
Processing and Branding of Tamarind Value added products	2	40	1.000	5.200
			B:C - 1.25	B:C - 2.08

12.B. Cases of large scale adoption (Please furnish detailed information for each case with suitable photographs) : Nil

12.C. Details of impact analysis of KVK activities carried out during the reporting period : Nil

PART XIII – LINKAGES

13A. Details of linkage with ATMA

Coordination activities between KVK and ATMA

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	Meetings	Taluk and district level technical advisory committee	4	-	-
02	Research projects				
03	Training programmes	Improved production particles in field and horticulture crops	6	2	
04	Demonstrations				
05	Kisan Mela				
06	Technology Week				
07	Exposure visit				
08	Exhibition				
09	Soil health camps				
10	Animal Health Campaigns				
11	Video Films				
12	Books				
13	Extension Literature				
14	Pamphlets				
15	Other Activities (Pl.specify)				

13B. List of special programmes undertaken by the KVK which have been financed by State Government/University/National Horticultural Mission/ RKVY/ National Fisheries Development Board/Other Agencies

S. No.	Name of organization	Name of Programme	Nature of linkage	Funds received in Rs.	Expenditure during the reporting period in Rs.	Remarks
1.	KAMPA	Awareness training programme on medicinal plant	-	67500	67500	-

2.	MANAGE	Value addition training programme on horticulture crops	-	42000	42000	-

13C. Kisan Mobile Advisory Services: Nil

Month	No of Advisories	No. of Text messages sent	No. of voice messages sent	SMS/voice calls sent (No.)						Total SMS/Voice calls sent (No.)	Farmers benefitted (No.)
				Crop	Livestock	Weather	Marketing	Awareness	Other enterprises		
January											
February											
March											
April											
May											
June											
July											
August											
September											
October											
November											
December											
Total											

PART XIV- PERFORMANCE OF INFRASTRUCTURE IN KVK

14A. Performance of demonstration units (other than instructional farm) : Nil

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	

14B. Performance of instructional farm (Crops) including seed production : Nil

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Pulses									
Oilseeds									
Fibers									
Spices & Plantation crops									

Floriculture									
Fruits									
Vegetables									
Others (specify)									

14C. Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,) : Nil

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Vermicompost	2.03	-	30450	-

14D. Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
	Cow	HF	Milk	2428 liters	-	84980	
	Sheep	Local	Sale	6	-	40600	

14E. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
January	-	-	-
February	-	-	-
March	187	16	-
April	-	-	-
May	-	-	-
June	138	10	-
July	188	20	-
August	120	16	-
September	133	16	-
October	195	18	-
November	22	4	-
December	70	8	-

14F. Database management

S. No.	Database target	Database created
1. official letters	310	340
2. Technical reports	35	38

14G. Details on Rain Water Harvesting Structure and micro-irrigation system

(a) Rain Water Harvesting Structure

Amount sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		

(b) Micro-irrigation systems

Amount sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		

PART XV – SPECIAL PROGRAMMES

15.1 Paramparagath Krishi Vikas Yojana (PKVY): Nil

Sl No.	Name of cluster	Initial soil fertility status (Average of cluster village)	Facilities created for	Name of Crops cultivated	Variety	Organic inputs applied	Yield (q/ha)	Economics

	village	Aval. N	Aval. P	Aval. K	OC %	organic source of manure			including bio-agents and botanicals treatment		Cost of cultivation (Rs/ha)	Net returns (Rs/ha)
1	1.											
	2.											
2	1.											
	2.											

15.2 District Agriculture Meteorological Unit (DAMU/ GKMS)

	Agro advisories			Farmers awareness programmes	
Sl. No.	No of Agro advisories generated	No of farmers registered for agro advisories	No of farmers benefitted	No of programmes	No of farmers benefitted
1	192 (what's app)	45000	45000	-	-

15.3 Fertilizer awareness programme organized : Nil

State	Name of KVK	Details of Activities/programmeOrganised	Number of Chief Guests	No. of Farmers attended program	Total participants

15.4 Seed Hub: Nil

Crop	Variety	Year of release	Production				No of farmers benefited/Sold to no. of farmers	Quantity seed sold (q)	Seed sold @ (Rs)/kg
			Target (q)	Area (ha.)	Actual Production (q)	Category (FS/CS)			

15.5 CFLD on Oilseeds: (Completed CFLDs should provide data for all items of the table and also remaining whichever is available)

Season	Crop	Variety		Conducted		Demo Yield(Q/ha)			Check Yield (Q/ha)	Economics	
		Demo	Check	Demos(No)	Area (ha)	Max	Min	Avg		Demo	Check

										Gross income	Net income	BCR	Gross income	Net income	BCR
Kharif 2024	Castor	ICH – 5	DCH - 177	25	10	14.50	13.90	14.25	12.45	-	-	-	-	-	-

15.6 CFLDs on Pulses: (Completed CFLDs should provide data for all items of the table and also remaining whichever is available)

Season	Crop	Variety		Conducted		Demo Yield(Q/ha)			Check Yield (Q/ha)	Economics					
										Demo			Check		
		Demo	Check	Demos(No)	Area (ha)	Max	Min	Avg		Gross income	Net income	BCR	Gross income	Net income	BCR
Kharif 2024	Redgram	BRG – 5	Local	100	40	9.75	8.50	9.50	7.20	65,027	29,377	1.82	49,284	15,999	1.48

15.7 Krishi Kalyan Abhiyan (Aspirational districts): Nil

Type of Activity	Date(s) conducted	No. of farmers (General)			No. of farmers SC / ST			No.of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total

15.8 Micro-Irrigation: Nil

Type of Activity	Date(s) conducted	No. of farmers (General)			No. of farmers SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total

15.9 Progress report of TSP (DAPST)

Sl No	Item/Activity	Units	Achievements (Activities/	ST Beneficiaries (No.)		
				Male	Female	Total

				Quantity)			
1	Training programmes		No				
	1.1	1-3 days	No	3	17	16	33
	1.2	4-10 days	No				
	1.3	2-4 weeks	No				
	1.4	More than 4 weeks	No				
2	OFTs		No				
3	FLDs		No.	3	13	5	18
4	Extension activities		No.				
	4.1	Awareness camps	No.	2	15	60	75
	4.2	Exposure visits/study tours					
	4.3	Exhibitions					
	4.4	Seminars					
	4.5	Workshops					
	4.6	Group meetings					
	4.7	Others specify					
5	Input supply						
	5.1	Seeds (Field crops)	Quintal	2.85	17	16	33
	5.2	Seeds (High value crops, spices etc.)	Kg				
	5.3	Seeds (Root & Tuber crops)	Quintal				
	5.4	Nursery plants	No.	1420	16	9	25
	5.5	Cuttings, Slips, suckers etc.	No.				
	5.6	Mushroom spawns Packets (100 gm)	No.				
	5.7	Bio-fertilizers Packets (one kg)	No.	50	19	11	30
	5.8	Honeybee Colonies	No.				
	5.9	Animals -large					
		Cattle	No.				
		Buffaloes	No.				
		Calves	No.				
	5.10	Animals-Small	No				
		Pig	No				
		Sheep					
		Goat	No				
	5.11	Poultry					
		Ducklings	No				
		Poultry Chicks	No				
		Fish fingerlings					
	5.12	Equipment					
		Small equipment’s (up to Rs 2000)	No.				
		Medium equipment’s/machinery (Rs 25000)	No.	1	1	-	1
		Large equipment’s /machinery (>					

		Rs.25000)					
	5.13	Infrastructure	No				
		Civil work/ ponds etc.	No				
		Setting up Plant Nursery/seed farm/hatchery	No				
		Land development/Reclamation/Conservation	Hectare				
	5.14	Fertilizers	Quintal				
		Major nutrients NPK					
		Secondary nutrients	Quintal				
		Micronutrients	Quintal				
		FYM	Quintal				
		Vermicompost	Quintal				
		Soil amendments (Tricoderma.)	Quintal	0.52	17	16	33
	5.15	Plant protection					
		Plant protection chemicals	Kg				
		Plant growth promoters	Kg				
	5.16	Animal Feed mixture	Quintal				
	5.17	Animal fodder	Quintal	0.21	15	14	29
	5.18	Animal medicines provided to animals	No.	30	9	6	15
	5.19	Any other (cow mats)	No	25	13	12	25
6	Services/Facilitation						
	6.1	Animal/plant Health Camps	No				
	6.2	Artificial insemination	No				
	6.3	Vaccination	No				
	6.4	Veterinary services (Hospitalization, on-site treatment etc.)	No	20	9	11	20
	6.5	Testing samples of Soil, plant, water, feed fodder and livestock	No				
	6.6	Promotion of agri-entrepreneurship	No				
	6.7	Promotion of IFS, IOFS,	No	04	2	2	4
	6.8	Establishment of Natural Farming, Nutri-garden, kitchen garden, orchards etc.	No				
	6.9	Creation of market links of farm produces	no				
	6.10	Use of Institute facilities[Processing etc.}	Hours				
	6.11	Subsidies/Assistance (50% of project cost, Max. R s 100O beneficiary}	No	5	145	105	250
7	Publication/distribution of Literature		No				
8	Employment generation for livelihood Man-months		No.				
9	Fellowship, Stipends or, Scholarship		No				
10	Area oriented & Activity (Project addressing the problems of agri .Sector faced by the SC/STs and benefit directly, which is measurable and Identifiable)		Projects (No)				

11	Monitoring & Evaluation of DAPSC/ST(up to 3% budget)						
	11.1	Field visits	No.				
	11.2	Field days	No.				
12	Any others						
	12.1	Wild elephant repellent	No.				
	12.2	Khethi Rakshak 18-monkey repellent	No.				
	12.3	Goat mineral mixture	No.				
	12.4	Supplement-salt lich	No.				
	12.4	Success stories (one or two write-ups may be given below with photos)	No.				

Success stories write-up :

15.10 Progress report of SCSP (DAPSC)

Sl No	Item/Activity		Units	Achievements (Activities/ Quantity)	SC Beneficiaries (No.)		
					Male	Female	Total
1	Training programmes		No				
	1.1	1-3 days	No	4	27	16	43
	1.2	4-10 days	No				
	1.3	2-4 weeks	No				
	1.4	More than 4 weeks	No				
2	OFTs		No				
3	FLDs		No.		2	12	4
4	Extension activities		No.				
	4.1	Awareness camps	No.	1	30	20	50
	4.2	Exposure visits/study tours					
	4.3	Exhibitions					
	4.4	Seminars					
	4.5	Workshops					
	4.6	Group meetings					
	4.7	Others specify					
5	Input supply						
	5.1	Seeds (Field crops)	Quintal	2.95	27	16	43
	5.2	Seeds (High value crops, spices etc.)	Kg				
	5.3	Seeds (Root & Tuber crops)	Quintal				
	5.4	Nursery plants	No.	1950	16	9	25
	5.5	Cuttings, Slips, suckers etc.	No.				

	5.6	Mushroom spawns Packets (100 gm)	No.				
	5.7	Bio-fertilizers Packets (one kg)	No.	100	29	11	40
	5.8	Honeybee Colonies	No.				
	5.9	Animals -large					
		Cattle	No.				
		Buffaloes	No.				
		Calves	No.				
	5.10	Animals-Small	No				
		Pig	No				
		Sheep					
		Goat	No				
	5.11	Poultry					
		Ducklings	No				
		Poultry Chicks	No				
		Fish fingerlings					
	5.12	Equipment					
		Small equipment's (up to Rs 2000)	No.				
		Medium equipment's/machinery (Rs 25000)	No.				
		Large equipment's /machinery (> Rs.25000)					
	5.13	Infrastructure	No				
		Civil work/ ponds etc.	No				
		Setting up Plant Nursery/seed farm/hatchery	No				
		Land development/Reclamation/Conservation	Hectare				
	5.14	Fertilizers	Quintal				
		Major nutrients NPK					
		Secondary nutrients	Quintal				
		Micronutrients	Quintal				
		FYM	Quintal				
		Vermicompost	Quintal				
		Soil amendments (Gypsum, lime etc.)	Quintal	0.62	17	16	33
	5.15	Plant protection					
		Plant protection chemicals	Kg				
		Plant growth promoters	Kg				
	5.16	Animal Feed mixture	Quintal				
	5.17	Animal fodder	Quintal				
	5.18	Animal medicines provided to animals	No.				
	5.19	Any other (specify)	No	25	13	12	25
6	Services/Facilitation						
	6.1	Animal/plant Health Camps	No				
	6.2	Artificial insemination	No				
	6.3	Vaccination	No				
	6.4	Veterinary services (Hospitalization, on-site treatment	No				

		etc.)					
	6.5	Testing samples of Soil, plant, water, feed fodder and livestock	No				
	6.6	Promotion of agri-entrepreneurship	No				
	6.7	Promotion of IFS, IOFS,	No	03	2	2	4
	6.8	Establishment of Natural Farming, Nutri-garden, kitchen garden, orchards etc.	No				
	6.9	Creation of market links of farm produces	no				
	6.10	Use of Institute facilities[Processing etc.}	Hours				
	6.11	Subsidies/Assistance (50% of project cost, Max. R s 100O beneficiary}	No				
7	Publication/distribution of Literature		No				
8	Employment generation for livelihood Man-months		No.				
9	Fellowship, Stipends or, Scholarship		No				
10	Area oriented & Activity (Project addressing the problems of agri .Sector faced by the SC/STs andbenefit directly, which is measurable and Identifiable)		Projects (No)				
11	Monitoring & Evaluation of DAPSC/ST(up to 3% budget)						
	11.1	Field visits	No.				
	11.2	Field days	No.				
12	Any others						
	12.1	Wild elephant repellent	No.				
	12.2	Khethi Rakshak 18-monkey repellent	No.				
	12.3	Goat mineral mixture	No.				
	12.4	Supplement-salt lich	No.				
	12.4	Success stories (one or two write-ups may be given below with photos)	No.				

Success stories write-up :

15.11 NARI : Nil

Activity	Achievement

	Number of activity	No. of farmers/ beneficiaries
OFTs – Nutritional Garden (activity in no. of Unit)		
OFTs – Bio-fortified Crops (activity in no. of Unit)		
OFTs – Value addition(activity in no. of Unit/Enterprise)		
OFTs - Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
FLDs – Nutritional Garden (activity in no. of Unit)		
FLDs – Bio-fortified Crops (activity in no. of Unit)		
FLDs – Value addition(activity in no. of Unit/Enterprise)		
FLD- Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise)		
Trainings		
Extension Activities		

15.12 KVK Portal

No. of Events added by KVKs	No. of Facilities added by KVKs	Filled Report on Package of Practices (Y/N)				Filled Profile Report (Y/N)							
		Crop	Livestock	Fisheries	Horticulture	Employees	Posts	Finance	Soil Health Cards	Appliances	Crops	Resources	Fish
957	14	Y	N	N	Y	Y	Y	Y	Y	Y	Y	Y	N

15.13 KSHAMTA (Knowledge Systems and Homestead Agriculture Management in Tribal Areas) : Nil

Sl No	Item/Activity	Achievements (Activities/ Quantity)	Farmers (No.)		
			Male	Female	Total
1	Training programmes				
2	Demonstrations				
3	Extension programmes				
4	Input supply (kg)				
	Any other specify				

15.14 Natural Farming

Sl No	Item/Activity	Units	Achievements (Activities/ Quantity)	Farmers (No.)		
				Male	Female	Total
1	Training programmes	No.	8	198	58	256
2	Technology demonstrations/Method demonstrations (specify below name of technology/demonstration)					
		No.				
		No.				
		No.				
		No.				
		No.				
		No.				
3	Extension programmes/services (specify below name of activity)					
		No.				
		No.				
		No.				
		No.				
		No.				
4	Critical inputs provided (specify below name of input)					
		No.				
		No.				
		No.				
		No.				
		No.				

15.15 Aspirational districts (Raichur, Yadgir and Wayanad)

Sl No	Item/Activity	Achievements (Activities/ Quantity)	Farmers (No.)		
			Male	Female	Total
1	Training programmes conducted for farmers				
2	Training programmes conducted for rural youth				
3	Training programmes conducted for farm women				
4	Sponsored/vocational training programmes conducted				
5	Technology demonstrations on pulse crops				

6	Technology demonstrations on oilseed crops				
7	Technology demonstrations other than pulse and oilseed crops				
8	Extension programmes				
9	EDP programmes conducted				
10	How many EDP units edtablished				
11	Input supply				
	Seeds				
	Planting materials				
	Bioproducts				
	Poultry chicks				
	Ducklings				
	Goat kids				
	Sheep kids				
	Piglings				
	FYM/Vermicompost				
	Others specify				
12	Services provided				
	Soil samples tested				
	Water samples tested				
	Plant samples tested				
	Mobile advisories				
	Vaccinations				
	Artificial Insemination				
	Others specify				

15.16 CFLDs on Oilseed Model Villages (Belagavi-II, Bidal, Bagalkote, Tumakuru-II, Chikkaballapura, Yadgir,)

Season	**Crop**	**Variety**		**Conducted**		**Demo Yield(Q/ha)**			**Check Yield (Q/ha)**	**Economics**					
		Demo	Check	**Demos(No)**	**Area (ha)**	**Max**	**Min**	**Avg**		**Demo**			**Check**		
										Gross income	**Net income**	**BCR**	**Gross income**	**Net income**	**BCR**

15.17 CFLDs on Pulses Model Villages (Belagavi-II, Kalaburagi-II, Mandya, Mysuru, Vijayapura-I)

Season	Crop	Variety		Conducted		Demo Yield(Q/ha)			Check Yield (Q/ha)	Economics					
		Demo	Check	Demos (No)	Area (ha)	Max	Min	Avg		Demo			Check		
										Gross income	Net income	BCR	Gross income	Net income	BCR

PART XVI - FARMERS FEEDBACK ON ASSESSED/DEMONSTRATED TECHNOLOGIES OF CROPS / LIVESTOCK

16.1 Farmers feedback on performance of crop varieties/hybrids : Nil

Sl. No.	Crop varieties/hybrids assessed/ demonstrated	Farmer's feedback
1	Chilli hybrid Arka Gagan	Good, High pungent, Best consumer acceptability in Tumkur market
2	Brinjal hybrid Arka Anand	Resistance to Bacterial wilt, but consumer acceptability is not good in Tumkur market

16.2 Farmers feedback on performance of agronomic practices

Sl. No.	Agronomic practices	Farmer's feedback
1	Application of Arka Actinoplus in Pomegranate	Resistance to Bacterial wilt and fusarium wilt, good quality fruit
2	Grafting technology in Brinjal	Fruit quality good and good market price in Tumkur market

16.3 Farmers feedback on performance of pest and disease management in crops : Nil

Sl. No.	Pest and disease management in crops	Farmer's feedback

16.4 Farmers feedback on performance of farm machinery technologies : Nil

Sl. No.	Farm machinery technologies	Farmer's feedback

16.5 Farmers feedback on performance of livestock and fisheries technologies : Nil

Sl. No.	Livestock/fisheries technologies	Farmer's feedback

PART XVII - FINANCIAL PERFORMANCE

17A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute (ICAR)	Canara Bank	Tiptur	699	SB	0699101022252	572015202	CNRB0000699
With KVK (Revolving fund)	Canara Bank	Tiptur	699	SB	0699101025795	572015202	CNRB0000699
DAESI	Canara Bank	Tiptur	699	SB	0699101037387	572015202	CNRB0000699

17B. Utilization of KVK funds during the year 2023-24 (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	118.80	118.80	118.80
2	**Traveling allowances**	1.20	1.20	1.20
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	0.66	0.66	0.66
B	POL, repair of vehicles, tractor and equipments	1.96	1.96	1.96
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	0.46	0.46	0.46
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.22	0.22	0.22
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2.03	2.03	2.03
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	2.31	2.31	2.31
G	Training of extension functionaries	0.20	0.20	0.20
H	Maintenance of buildings	0.35	0.35	0.35
I	Establishment of Soil, Plant & Water Testing Laboratory	0	0	0
J	Library	0	0	0
TOTAL (A)		**128.19**	**128.19**	**128.19**
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipment including SWTL & Furniture Innovative activity /EDP/ farm activity**	0.60	0.60	0.60
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)		0.60	0.60	0.60
C. REVOLVING FUND		0	0	0
GRAND TOTAL (A+B+C)		**128.79**	**128.79**	**128.79**

1.00

1.50

17C. Status of revolving fund (Rs. in lakh) for the last three years

Year	Opening balance as on 1st January	Income during the year	Expenditure during the year	Net balance in hand as on 31st December of each year
January to December 2022	358272	1738755	1670976	426051
January to December 2023	426051	4679934	3959627	1146358
January to December 2024	1146358	6245082	5549028	1842412

18. Details of HRD activities attended by KVK staff

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Mr. Manoj H	Scientist (Plant Protection)	Recent Advances in Good Agricultural Practices for Management of Emerging Insect pests in Coconut	NBAIR, Bangalore	29.04.2024 to 03.05.2024