

**KVK, DAKSHINA KANNADA**

## **ANNUAL REPORT- 2023**

**(FOR THE PERIOD FROM 01 January, 2023 TO 31 December, 2023 along with good action-oriented photographs in jpeg format for all activities of KVK with size of more than 2 MB need to be separately ATTACHED with CAPTION in the file name)**

**Note: Please do not insert any photos in this page and please donot decorate this page**

**ICAR –KRISHI VIGYAN KENDRA, DAKSHINA KANNADA**

**P.B. No. 515, Kankanady, Mangaluru-575002, Karnataka**

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**KARNATAKA VETERINARY, ANIMAL AND FISHERIES SCIENCES UNIVERISITY,  
NANDINAGAR, BIDAR – 585 401**



## GENERAL INSTRUCTIONS

Please read the following instructions very carefully before starting preparation of the report.

- Annual report is the most important document for the KVK and it directly reflects the overall achievements pertaining to the reported period. Hence due care needs to be given by each KVK while preparing the report.
- Period of Report is from 01 January, 2023 to 31 December, 2023.
- Action photographs with relevant captions covering all OFTS/FLDS/TRAINING/EXTENSION activities of the KVK in High resolution should be submitted separately along with this report. A part from this, soft copy of the activity wise photos may be submitted in JPEG format.
- Prepare Summary tables carefully tallying with the relevant portions of the main report on all aspects.
- Retain the blank column and rows as such and do not merge the cells. Please specify NIL, wherever not applicable or details are not available.
- Check the names of varieties and hybrids and specify in the report.
- Check the units and totals of each data table.
- Extension activity under celebrations for each important day, please insert separate rows and give appropriate data separately. Clubbing of data should be avoided.
- Success stories/case studies should be supported with data tables and graphs. Without photos success stories will not be considered for inclusion in Annual Report of ATARI.

**Date of Submission to ATARI: on or before 22.01.2024**

**PART I – GENERAL INFORMATION 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 (D.K.), Kankanady, Mangaluru- 575002.	0824- 2431872	-	<a href="mailto:Kvk.DakshinaKannada@icar.gov.in">Kvk.DakshinaKannada@icar.gov.in</a> , <a href="mailto:kvdkmlr@gmail.com">kvdkmlr@gmail.com</a> <a href="mailto:kvdk@rediffmail.com">kvdk@rediffmail.com</a>	<a href="http://www.kvdkd.org">www.kvdkd.org</a>

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

Address	Telephone		E mail	Web Address
	Office	Fax		
Vice-Chancellor Karnataka Veterinary Animal & Fisheries Sciences, University Nandinagar, P.B.No.-6, Bidar -585 401	08482- 245264	08482- 245107	<a href="mailto:vckvafsub@gmail.com">vckvafsub@gmail.com</a> <a href="mailto:vckvafsu@yahoo.co.in">vckvafsu@yahoo.co.in</a> <a href="mailto:dekvafsu@gmail.com">dekvafsu@gmail.com</a>	<a href="http://www.kvafsu.kar.nic.in">www.kvafsu.kar.nic.in</a>

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. T.J. Ramesha	-	8794706468	<a href="mailto:drtjramesha1970@gmail.com">drtjramesha1970@gmail.com</a>

**1.4. Year of sanction: 12.08.2004**

### 1.5. Staff position as on 31 December 2023

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. T.J. Ramesha	Senior Scientist & Head	M	Fisheries	Ph.D (Aquaculture)	131400-211500	147900	29.06.2019	Permanent	OBC
2	Scientist/SMS	Dr. Ravindragowda Patil	Scientist	M	Fisheries	Ph.D (Aquaculture)	68900-205500	68900	28.06.2023	Permanent	OBC
3	Scientist/SMS	Dr. Shivakumar R	Scientist	M	Veterinary	M.V.Sc. Ph.D (Veterinary)	79800-211500	98000	21.10.2021	Permanent	SC
4	Scientist/SMS	Dr. Harish Sheney	Scientist	M	Agronomy	M. Sc Agri. (Agronomy)	68900-205500	84800	09-06-2023	Permanent	General
5	Scientist/SMS	Dr. Kedarnath	Scientist	M	Plant Protection and Entomology	Ph.D (Plant Pathology)	57700-182400	77500	03.06.2019	Permanent	General
6	Scientist/SMS	Dr. Mallikarjun L.	Scientist	M	Soil Science	Ph.D(Soil Science)	57700-182400	77500	06.06.2019	Permanent	OBC
7	Scientist/SMS	Dr. Rashmi R.	Scientist	F	Horticulture	Ph.D ( Horticulture)	57700-182400	77500	06.06.2019	Permanent	OBC
8	Programme Assistant ( Lab Tech.)	- Vacant-	Programme Assistant	-	-	-	-	-	-	-	-
9	Programme Assistant (Computer)	Mr. Sathisha Naik K.	Programme Assistant	M	Computer	M.Com. ADCST (Comp.)	44900-142400	56900	24.01.2011	Permanent	ST
10	Programme Assistant/ Farm Manager	- Vacant-	Programme Assistant	-	-	-	-	-	-	-	-
11	Assistant	Ms. Yashashree	Assistant	F	Accounts	-	-	30250/- Consolidated	01.04.2022	Temporary	OBC
12	Jr. Stenographer	Mrs. Deepa	Computer Operator	F	-	-	-	30250/- Consolidated	02.11.2011	Temporary	OBC
13	Driver - 1	Mr.Somashekharaiiah S.M.	Driver-1 (Tractor)	M	-	-	-	27550/- Consolidated	26.09.2014	Temporary	OBC
14	Driver - 2	Mr. Keshava	Driver-2 (Jeep)	M	-	-	-	21300/- Consolidated	25.05.2010	Temporary	OBC
15	SS-1	Mr. Ashwith Kumar	SS-1 Cook cum caretaker	M	-	-	-	21300/- Consolidated	21.10.2011	Temporary	OBC
16	SS-2	Mrs. Vidyavathi	SS-2 Messenger	F	-	-	-	16900/- Consolidated	25.04.2012	Temporary	SC

1.6. **Total land with KVK (in ha): 25.99.ha**

S. No.	Item	Area (ha)
1	Under Buildings	2.00
2.	Under Demonstration Units	0.11
3.	Under Crops	6.89
4.	Orchard/Agro-forestry	-
5.	Others	16.99
		25.99

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	24.11.2007	550	42,25,000.00	-	-	-
2.	Farmers Hostel	ICAR	24.11.2007	300	35,72,000.00	-	-	-
3.	Staff Quarters	ICAR	24.11.2007	400	32,35,000.00	-	-	-
	1	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-
	3	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-
	5	-	-	-	-	-	-	-
	6	-	-	-	-	-	-	-
4.	Demonstration Units	-	-	-	-	-	-	-
	1.Fish Nursery Unit	ICAR	20.02.2007	80	1,75,000.00	-	-	-
	2.Polyhouse	ICAR	12.05.2008	260	2,00,000.00	-	-	-
	3	-	-	-	-	-	-	-
	4	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-
9		-	-	-	-	-	-	-
10		-	-	-	-	-	-	-

**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
M.F. Tractor 1035	2005	5,00,000	287 hrs.	Not in working condition
Hero Honda (Bike)	2006	40,000	41245 kms	Good condition
Aviator	2009	50,000	33356 kms	Good condition
Tractor John Deere-5045D	2016	6,84,324	492.40 hrs.	Good condition
Bolero Power plus	2019	8,00,000	56528 kms	Good condition

**c) Lab equipment & AV aids**

Name of the equipment	Year of purchase	Quantity (No.)	Cost (Rs.)	Present status
Mini Soil Test Kit	2016	1	86,000.00	Not in working condition
Oxygen Gas cylinder(10 Ltr C)	2016	1	4,748.00	Good
Microwave oven	2016	1	14,800.00	Good
<b>AV aids</b>				
Xerox Machine	2006	1	75,000.00	Not in working condition
Computer & Accessories	2006-07	3	98,890.00	Not in working condition
Generator	2011	1	99,955.00	Good
EPBX	2011	1	49,455.00	Not in working condition
Digital Camera	2006	1	20,000.00	Not in working condition
Magnetic White Board	2008	1	3,800.00	Good
Desktop HP-Pavilion 6710in INTEL DUAL CORE	2011	1	30,900.00	Good
LAPTOP HP PAVILION DV6-3120TX	2011		37,500.00	Good
UPS Frontech 800 Va.	2011	1	3,000.00	Not in working condition
APC Backup 800 Va.	2013	1	1,700.00	Not in working condition
Epson Data Projector EB-X02	2014	1	37,940.00	Good
Mike set-AHUJA	2014	1	36,317.00	Good
Nesara 500 ltr Fpcsolar water Heater	2014	1	72,650.00	Good
12 V/110 Tubular Battery with Trolley	2014	1	26,793.00	Good
1.4 VA/24V Emeric make UPS	2014	1	7,407.00	Good
Panasonic 2.0 Ton Split AC CS CU- UC24QKY2 2* & V-Guard VG 500 5 KVA Voltage Stabilizer	2014	1	1,41,000.00	Good
LG LED T.V. Model 32LB550A-ATR	2014	1	21,500.00	Good
Camera DS 200 Nikon	2016	1	28,000.00	Good
Benro Tripod (R-T 600 EX) Camera stand	2016	1	2,500.00	Good
Sub woofer Mitashi 2.0 C.H. TNR 60 Fur	2016	1	7,490.00	Good
LENOVO DESKTOP-G Lenovo Idea Center-3	2021	5	2,43,000.00	Good

DELL Desktop-G DELL INSPIRON 3891 Desk Top Intel Core I5-10400/Windows 10/MS Office	2021	1	43,644.00	Good
Dell Desktop-G, DELL -3668, Desktop/10 <sup>th</sup> Gen/Core-i3	2021	1	31,779.00	Good
FRONTECH UPS-G	2021	1	847.00	Good
Notebook LAPTOP	2023	1	65,500.00	Good
External Hard Disk Drive	2023	1	6,400.00	Good
Web Camera	2023	6	12,600.00	Good
Speaker Laptop/Disktop	2023	6	4,194.00	Good
Cannon Laser Printer	2023	3	41,985.00	Good
Cannon Inkjet Printer	2023	1	14,500.00	Good
HP All in one Desktop 24-CB1902IN	2023	1	69,000.00	Good
EPBX Instrument	2023	1	9980.00	Good

#### D) Farm equipment and implements

Name of the equipment/implement	Year of purchase	Quantity (No.)	Cost (Rs.)	Present status
Sprayers	2005	1	2,640.00	Good
Power sprayer	2008	1	4,800.00	Good
Drum Seeder & Cono weeder	2005	2	2,600.00	Good
Paddy Planting Marker	2005	1	1,350.00	Good
Weed cutter	2008	1	13,000.00	Good
Power tiller	2011	1	1,50,000.00	Good
Milking Machine	2012	1	24961.00	Good
Plough	2017	1	35000.00	Good
Drilling Machine	2016	1	1150.00	Good
Terrier Blade	2017	1	45250.00	Good
STD Rotary Tiller RT/ID15 5SG	2017	1	96000.00	Good
Full Kagi Wheel for Tractor	2017	1	35840.00	Good
Fish Solar Dryer	2020	1		Good (Provided under TSP programme of ICAR-CIFT, Cochin)

### 1.8. Details of SAC meeting organized

Date	Number of Participants	Salient Recommendations	Action taken	Remarks, if any
10.02.2023	60	<b>Dr. D. V. Kolekar, Nodal Officer and Scientist, ICAR-ATARI (Zone-11), Bengaluru</b>		
1		Install the LED display board of KVK at national high way, in front of Fisheries College Mangaluru and it should be visible to farming community.	As National Highway and service road construction work and compound wall of Fisheries College have to be initiated, the fixing of permanent highway LED reflective board work is at present cancelled	-
2		Publish success stories on different technologies	The success story of Mr. Dayanada Kulal, Progressive Farmer, Delanthabettu, on paddy flood resistant paddy seed production is published in Krishi Vigyan Magazine of April-June 2022 issue 46(2)/29-31. This article was considered as best article and for this KVK received award from the Honorable Vice Chancellor during the Krishimela 2023-24 at GKVK, Bengaluru.	-
3		The university should provide minimum financial support to KVK for the improvement of model demonstration units. Maintenance of the laboratories and equipments.	Repairing and Renovation works of piggery unit has been completed using the Rs. 8.00 Lakhs fund released from the university during 2022-23.	-
4		Install display board for the demo units in regional language.	Prepared name plates in regional language for demonstration units of Instructional Farm	-
5		Renovation work of administrative building should be carried out immediately.	The civil work titled repairing and renovation of administrative building has been placed under notification from the university.	-
6		Utilise wasteland of KVK through availing financial assistance from the other sources.	In the forthcoming Kharif season, fallow land will be developed utilizing the fund mobilized from different institutions, agencies and organizations	-
		<b>Dr. Vasanth Shetty, Principle Veterinary Officer (Administration) Department of Animal Husbandry and Veterinary Services, Mangaluru</b>		
7		To carry out demonstration on supplementary feeding for piglets to reduce the mortality rate.	Front Line Demonstration on integrated piglet management was implemented for 10 farmers at Kavalapaduru village of Bantwal Taluk.	-
		<b>Smt. Pratibha Rai, Progressive Farm Woman, Ramakunja, Kadaba Taluk</b>		
8		Organise the capacity development and awareness programmes on management of acid soil at gram panchayat levels.	<ul style="list-style-type: none"> <li>Capacity development programme was organized for 18 farmers on 17.11.2023 at Balanja village of Belthangady Taluk.</li> <li>Radio programme was organized on 28.12.2023 &amp; 09.03.2023.</li> <li>On 17.07.2023 Raitha Samparka Kendra organised capacity development programme under technology day celebration .A total of 23 farmers from Moodabidre benefitted from this programme.</li> </ul>	-
		<b>Mr. Jayaguru Acharya, Member of SAC meeting ICAR-KVK (D.K), Mangaluru, and Progressive Dairy Farmer, Mundooru, Puttur Taluk</b>		
9		More capacity development programmes need to be organized and agriculture related loans should be easily available to the farmers.	<p>KVK organized capacity development programmes for Krishi Sakhi and Pashu Sakhi</p> <p><b>Details of 3 Krishi Sakhi Programmes :</b></p> <ul style="list-style-type: none"> <li>20.03.2023 to 25.03.2023, 30 Nos.</li> <li>27.03.2023 to 01.04.2023, 35 Nos.</li> <li>30.10.2023 to 04.11.2023, 35 Nos.</li> </ul>	-



			<p><b>Details of 4 Pashu Sakhi Programmes :</b></p> <ul style="list-style-type: none"> <li>• 21.11.2023 to 25.11.2023, 33 Nos.</li> <li>• 27.11.2023 to 02.12.2023, 29 Nos.</li> <li>• 11.12.2023 to 6.12.2023, 30 Nos.</li> <li>• 04.12.2023 to 09.12.2023, 33 Nos.</li> </ul>	
		<b>Smt. Jasmine Arahna, Member of SAC Meeting ICAR-KVK (D.K), Mangaluru and Progressive Farm Woman, Muchchuru, Mangaluru.</b>		-
10		Organise more number of capacity development programmes on goat farming	<ul style="list-style-type: none"> <li>• On 19.01.2023 and 20.01.2023 capacity development programme was organized at Peradi Grama Panchayath benefitting 160 farmers.</li> <li>• On eve of 95<sup>th</sup> foundation day of ICAR, New Delhi a capacity development programme was organized on 18.07.2023 benefitting 37 farmers.</li> <li>• On 27.07.2023 in Live telecast programme of PM Kisan Sammelana provided information to 67 farmers of Punacha Gram Panchayath.</li> <li>• On 11.08.2023 capacity development programme was organised on scientific management of Male kids (Goat) at Chennathodi village, benefitting 36 farmers.</li> </ul>	-
		<b>Mr. Umesh Shetty, M., Division of Agriculture, SKDRDP Dharmasthala, Belthangadi Taluk.</b>		
11		Encourage the Sahyadri Brahma rice variety for cultivation in midland areas. Organise the awareness programmes on utilisation of Hadilu Bhoomi (fallow lands) for paddy cultivation in the district.	As per the action plan of 2023-24, KVK implemented FLD programme on paddy (Sahyadri Brahma) for midland. Paddy has been sown during June 2023 month and harvested during November month -2023. The yield is normal as there was scarcity of rain during growth stage of crop.	-

**PART II - DETAILS OF DISTRICT****2.1 Major farming systems/enterprises (based on the analysis made by the KVK)**

S. No	Farming system/enterprise
Cereals	Paddy
Pulses	Black gram, Green gram, Cowpea and Horse gram
Oil Seeds	Sesamum
Vegetables	Brinjal, Bhendi, Cowpea, Ash gourd, Amaranths, Littlegourd, Ridge gourd, Pumpkin, Cucumber, Tapioca, Basella, Amorpophallus, Sweet potato and other vegetables
Fruits	Banana, Pineapple, Sapota, Jackfruit and Mango
Plantation Crops	Arecanut, Coconut, Cashew, Pepper, Rubber, Vanilla and Cocoa
Flower Crops	Jasmine and Crossandra
Animal Husbandry	Dairy, Piggery, Poultry and Fisheries

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

S. No	Agro-climatic Zone	Characteristics
1	Coastal Zone, Zone 10	ICAR- Krishi Vigyan Kendra, Dakshina Kannada, Kankanady, Mangaluru is situated in the Coastal Zone No-10 with an operational area of five Taluks viz., Mangaluru, Bantwal, Belthangady, Puttur and Sullia. The total Geographical area of the district is 4770 sq. km. The district has 130833 ha of net cultivable area mainly dependent on rainfall. The Normal rainfall is 4040 mm. The annual average rainfall received during the period January-2023 to December 2023 is 3318.3 mm. This district receives heavy rainfall during the months of June to September. Maximum temperature of 34.45°C was recorded in the month of March-2023 and minimum temperature of 19.64°C was recorded during the month of January-2023. The Average relative humidity was recorded 73.71 during the reporting year. The soil in the major portions of the district consists of three types, viz. coastal sandy, alluvial, laterite and red loamy soil. Apart from this, coastal saline soil is also noticed in some parts of the district owing to the proximity to sea or backwater. Soils are low in CEC and acidic in condition. The pH of the soil ranges from 5.3 to 5.8 with low soluble salt content. The major nutrient status of the soil is varying from medium to low. The major food crop grown in the district is Paddy. The Plantation crops are Arecanut, Coconut, Cashew, Rubber, Pepper, Cocoa and Banana. In some parts of the district, pulses like Black gram, Green gram, Horse gram and cowpea are grown in rabi and summer in paddy fallows. Sesamum is the oil seed crop and vegetables like cucumber, Bhendi, Chilli, Brinjal Bitter gourd, Ash gourd and Little gourd are grown during Rabi/ Summer season.

S. No	Agro ecological situation	Characteristics
1	AES1-Coastal belt	This covers the taluks of Bantwal and Mangalore. The soils of this AES are red lateritic mixed with alluvial soil. Bore well tube wells and tanks are the major source of irrigation. Major crops include paddy, arecanut, coconut, cashew pulse crops and other vegetable crops.
2	AES-2 Malnad region	This covers the taluks of Belthangady Puttur and Sullia. Predominant by western ghat sections. The soils are red sandy loamy and poor in soil fertility, Tanks are major irrigation source. Less emphasis on sericulture. Major crops are plantation crops and Rubber

**2.3 Soil type/s**

S. No	Soil type	Characteristics	Area in ha
1.	Coastal sands, Alluvial, Laterite and Red loamy soil	The soils are mainly red lateritic soil and acidic in nature. Around 95% of soils are red and only 5% are black alluvium. Nearly 60% of the soils are red lateritic in nature. The soil depth is moderately deep (25 cm ) to deep (100 cm) in nature. Soils are low in CEC. The pH of the soil ranges from 4.6 to 5.8 with low soluble salt content. The major nutrient status of the soils is varying from low to medium.	129371

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

S. No	Crop	Area (ha)	Production (Metric Tons)	Productivity (Kg /ha)
1	Paddy	48689.00	140827.00	2735.00
2	Arecanut	35409.00	53076.60	1500.00
3	Coconut	18467	1975.83 (Lakh nuts )	0.11 (Lakh nuts )
4	Sesamum	483.00	164.00	339.00
5	Leafy Vegetables	594.00	10020.00	16870.00
6	Brinjal	55.00	1318.50	23970.00
7	Bhendi	176.00	1352.60	7690.00
8	Green chilli	137.00	849.80	6200.00
9	Watermelon	214.00	7473.70	34920.00
10	Horsegram	190.00	49.00	372.00
11	Cowpea	543.00	182.00	325.00
12	Pepper	2736.00	596.75	220.00
13	Cashew	33111.00	47816.45	1440.00
14	Jasmine	101.00	587.52	5820.00
15	Other vegetable	40.00	561.90	14050.00

\* Sources: Statistical Department Dakshina Kannada (Year 2020-21)

## 2.5. Weather data

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)
		Maximum	Minimum	
January-23	-	31.48	19.64	66.84
February-23	-	33.32	21.53	69.89
March-23	-	34.45	22.45	60.74
April-23	-	33.86	24.70	71.97
May-23	39.2	33.90	25.67	70.59
June-23	653.4	31.43	23.76	76.13
July-23	1393	29.06	23.67	80.46
August-23	162.3	29.45	24.06	79.72
September-23	683.8	25.20	20.8	77.50
October-23	185.1	25.83	20.00	73.56
November-23	106	26.33	19.66	83.42
December-23	95.5	31.32	22.41	73.68
	<b>3318.3</b>			

\* Source : AHRS, Ullala, Mangaluru

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

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	139968	-	-

<i>Indigenous</i>	113747	-	-
<b>Buffalo</b>	3700	-	-
<b>Sheep</b>			
Crossbred	23	-	-
<i>Indigenous</i>	242	-	-
<b>Goats</b>	32215	-	-
<b>Pigs</b>			
<i>Crossbred</i>	<b>4793</b>	-	-
<i>Indigenous</i>	<b>1493</b>	-	-
<b>Rabbits</b>	<b>1166</b>	-	-
<b>Poultry</b>			
Hens	1721908	-	-
<i>Desi</i>	-	-	-
<i>Improved</i>	-	-	-
Ducks	-	-	-
Turkey and others	-	-	-

<b>Category</b>	<b>Area</b>	<b>Production</b>	<b>Productivity</b>
Fish	-	-	-
<i>Marine</i>	-	-	-
<i>Inland</i>	-	-	-
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

\* Sources. Statistical Department, Dakshina Kannada (Year: 2020-21)

2.7 District profile maintained in the KVK has been **Updated** for 2023: 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
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1	Belthangady	Belthangady	Karambaru Guttu, Balanja of Belthangady	3 <sup>rd</sup> years	Paddy	<ul style="list-style-type: none"> <li>Deficiency of magnesium and sulfur in the soil causes reduction in photosynthetic activity leading to the low yield</li> </ul>	OFT-Effect of Magnesium sulfate on growth and yield of Coastal Paddy
2	Belthangady	Belthangady	Balanja, Belthangady	3 <sup>rd</sup> years	Arecanut	<ul style="list-style-type: none"> <li>High soil acidity, unavailability of applied nutrients, phosphate</li> <li>fixation in soils.</li> </ul>	OFT-Effect of Dolomite soil conditioner on areca nut yield and soil acidity in coastal soils of Dakshina Kannada
3	Belthangady	Belthangady	Balanja Belthangady	2 <sup>nd</sup> years	Arecanut	<ul style="list-style-type: none"> <li>Low yield</li> <li>High incidence of inflorescence die back &amp; button shedding (upto 60%)</li> </ul>	OFT-Assessment of Inflorescence die back and button shedding management in arecanut
4	Mangaluru	Beluvai Mudabidre	Panapila, Beluvai, Kuria, Kotekar, Kaavu, Beluvai	2 <sup>nd</sup> years	Fish(Murrels)	<ul style="list-style-type: none"> <li>Slow growth of locally available species and non availability of high value, fast growing species which can fetch high price in the local market</li> </ul>	OFT-Evaluation on growth performance of <i>Murrels</i> in coastal farm ponds
5	Bantwal	Bantwal	Kilinjaru Alsmputi guthu, Kadabettu	2 <sup>nd</sup> years	Paddy	<ul style="list-style-type: none"> <li>Non availability of suitable red rice variety for lowlands (Majalu), lodging of paddy during harvest</li> </ul>	FLD-Demonstration of Sahyadri Kempumukthi red rice variety for lowlands in Dakshina Kannada
6	Bantwal taluk	Bantwal taluk	Karopady	1 <sup>st</sup> years	Paddy	<ul style="list-style-type: none"> <li>Non availability of suitable red rice variety for midlands and existing variety is old.</li> </ul>	FLD-Demonstration of Sahyadri Brahma red rice variety for midlands of Dakshina Kannada
7	Bantwal taluk	Bantwal taluk	Kadabettu, Alampuri guthu	1 <sup>st</sup> years	Paddy	<ul style="list-style-type: none"> <li>Non availability of suitable red rice variety for uplands.</li> <li>Existing local variety has less tillers and lodging during harvest</li> </ul>	FLD-Demonstration of Kaje-25-9 red rice variety for uplands of Dakshina Kannada
8	Puttur	Puttur	Kavu, Puttur	3 <sup>rd</sup> years	Arecanut	<ul style="list-style-type: none"> <li>Premature nut fall, nut cracking due to Potassium and Boron deficiencies in the soils</li> </ul>	FLD- Management of nut cracking and premature nut fall in arecanut

9	Mangaluru	Mangaluru	Amblamogaru	3 <sup>rd</sup> years	Paddy	<ul style="list-style-type: none"> <li>• Losses of nutrients due to excess rainfall</li> <li>• Nutrients deficiency due to acidic soil pH</li> </ul>	FLD-Potassium management in coastal paddy
10	Belthangady	Belthangady	Ujire, Belthangady	1 <sup>st</sup> years	Pineapple	<ul style="list-style-type: none"> <li>• Uneven flowering, harvesting and marketing is difficult</li> </ul>	FLD -Demonstration of Ethrel spot applicator in Pineapple
11	Moodbidri	Moodbidri	Muchuru Moodbidri	1 <sup>st</sup> years	Jasmine	<ul style="list-style-type: none"> <li>• Pruning techniques not followed</li> <li>• low yield during off season and high incidence of sucking pests</li> </ul>	FLD - Integrated crop management in Udupi Jasmine
12	Belthangady	Belthangady	Badakodi, Belthangady	2 <sup>nd</sup> years	Yard Long bean	<ul style="list-style-type: none"> <li>• The crop is being growing in about 23.5 ha area</li> <li>• Low yield in the existing Variety</li> </ul>	FLD -Demonstration of high yielding Yard Long Bean (Variety -Arka Mangala)
13	Belthangady	Belthangady	Hosangady, Belthangady	2 <sup>nd</sup> years	Okra	<ul style="list-style-type: none"> <li>• Low yield due to improper nutrient management</li> <li>• Yield loss up to 50% due to high incidence of Yellow vein Mosaic</li> </ul>	FLD - Integrated crop management in Okra
14	Moodbidri	Moodbidri	Kellaputtige	2 <sup>nd</sup> years	Paddy	<ul style="list-style-type: none"> <li>• Poor yield due to high incidence of blast and leaf spot diseases (Average of 10-30 % of yield loss)</li> </ul>	FLD -Integrated disease management in paddy
15	-	-	<i>Yet to be initiated</i>	2 <sup>nd</sup> years	Arecanut	<ul style="list-style-type: none"> <li>• Reduced growth during early growing stage of the crop</li> <li>• 20-24 % spindle bug incidence</li> </ul>	FLD -Integrated management of spindle bug in arecanut
16	Belthangady	Belthangady	Hosangady Belthangady	1 <sup>st</sup> years	Arecanut	<ul style="list-style-type: none"> <li>• Poor yield due to high incidence of leaf spot disease</li> <li>• (60 % of yield loss )</li> </ul>	FLD -Integrated management of leaf spot in arecanut

17	Mangaluru	Mangaluru	Kinnigole village	1 <sup>st</sup> years	Cross breed cows	<ul style="list-style-type: none"> <li>• Non availability of timely artificial insemination in remote areas.</li> <li>• Imbalanced Nutrition</li> <li>• Deficiency of major and minor Minerals result in low conception rate,</li> <li>• Repeat breeding and Infertility</li> </ul>	FLD -Ovsynch Protocol for repeat breeding and Infertility management in cross breed cows
18	Bantwal taluk	Bantwal taluk	Vagga	1 <sup>st</sup> years	Piglet	<ul style="list-style-type: none"> <li>• High mortality of piglets</li> </ul>	FLD - Integrated piglet management
19	Bantwal taluk	Bantwal taluk	Chennaitodi	1 <sup>st</sup> years	Goat	<ul style="list-style-type: none"> <li>• Poor growth</li> <li>• Anaemia due to ectoparasitic infestation</li> </ul>	FLD -Scientific management of male kids (Goat)
20	Moodbidri	Moodbidri	Sarapady, Beluvai, Maroon	2 <sup>nd</sup> years	GIFT Tilapia Fish	<ul style="list-style-type: none"> <li>• Less production in local strain, early maturity and breeding.</li> <li>• Less marketable size impact on price</li> </ul>	FLD -Production improvement by GIFT Tilapia culture
21	Bantwal	Bantwal	Alampuri guthu	1 years	Pulses	<ul style="list-style-type: none"> <li>• Fallow lands during rabi season and non utilization of residual soil moisture during rabi season.</li> </ul>	FLD -Black Gram pulse crop in paddy follows

## 2.9 Priority thrust areas

S. No	Thrust area
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1	Soil and water conservation
2	Acid soil Management
3	Integrated Nutrient Management
4	Introduction of Green Manure crops
5	Recycling of organic wastes with advanced composting technologies
6	Employment generation activities like Beekeeping, quality seed production, composting and vermicomposting
7	Integrated Farming System
8	Scientific farming Practices
9	Fish culture in Farm Ponds
10	Agro processing and Value Addition

**PART III - TECHNICAL ACHIEVEMENTS**

**3.A. Target and Achievements of mandatory activities**

<b>OFT</b>	<b>FLD</b>
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1				2			
OFTs (No.)		Farmers (No.)		FLDs (No.)		Farmers (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
4	4	26	26	17	16	148	138

Training (Farmers/farm women)				Training (Rural youth)			
3		3		4		4	
Courses (No.)		Participants (No.)		Programmes (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
52	67	1560	3437	19	22	570	790

Training (Extension personnel)				Training (sponsored)			
5		5		6		6	
Courses (No.)		Participants (No.)		Programmes (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
17	8	350	281	20	18	500	405

Training (Vocational)				Extension Programmes			
7		7		8		8	
Courses (No.)		Participants (No.)		Programmes (No.)		Participants (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
6	0	150	-	538	428	23357	22242

Seed Production (Q)		Planting material (Nos.)	
9		10	
Target	Achievement	Target	Achievement

25Q	10.85Q.	1100	-

Livestock, poultry strains and fingerlings (No.)				Bio-products (Kg)			
11				12			
Target		Achievement		Target		Achievement	
5000		555		0.25Q.		-	
Soil, water, plant and manure analysis (including mobile kits)				Mobile agro advisories provided			
13				14			
Samples (No.)		Farmers (No.)		Messages including text, voice (No.)		Farmers (No.)	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
750	-	500	-	1000	802	40000	33081

### 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		
														No.	Kg
1	ICM	Paddy	Deficiency of Magnesium and sulfur in the soil causes reduction in photosynthetic activity leading to the low yield	OFT-Effect of Magnesium Sulfate on growth and yield of coastal Paddy	-	01 (12)	-	-		Field Visit: 03 Training: 02	-	-	-	-	-

2	INM	Arecanut	High soil acidity, unavailability of applied nutrients, phosphate fixation in soils.	OFT-Effect of Dolomite soil conditioner on areca nut yield and Soil acidity in coastal soils of Dakshina Kannada	-	01 (18)	-	-	Field Visit: 03 Training: 02	-	-	-	-	-
3	IPM	Arecanut	Low yield High incidence of inflorescence die back & button shedding (upto 60%)	OFT- Assessment of Inflorescence die back and button shedding management in arecanut	-	01 (18)	-	-	Field Visit: 02 Training: 01	-	-	-	5	2.5 kg and 1.25 litre Fungicides
4	Fisheries	Fish	Slow growth of locally available species and non availability of high value, fast growing species which can fetch high price in the local market	OFT- Evaluation of growth performance of <i>Murrels</i> in coastal farm ponds	-	01(6)	-	-	Field Visit: 2 Training:01	Fish seeds 3000	-	-	-	-
5	ICM	Paddy	Non availability of suitable red rice variety for lowlands (Majalu), lodging of paddy during harvest	FLD- Demonstration of Sahyadri Kempumukthi red rice variety for lowlands in Dakshina Kannada	-	01(10)	-	-	Field Visit: 05 Training:01	2.5 q	-	-	10	10

6	ICM	Paddy	Non availability of suitable red rice variety for midlands.	-	FLD- Demonstration of Sahyadri Brahma red rice variety for midlands of Dakshina Kannada	01(10)	-	-	Field Visit:02 Training:01	2.5 q	-	-	10	10
7	ICM	Paddy	Non availability of suitable red rice variety for uplands.	-	FLD- Demonstration of Kaje-25-9 red rice variety for uplands of Dakshina Kannada	01(10)	-	-	Field Visit:03 Training:01	0.75 q	-	-	-	-
8	ICM	Arecanut	Premature nut fall, nut cracking due to Potassium and Boron deficiency in the soils	-	FLD- Management of nut cracking and premature nut fall in areca nut	01 (14)	-	-	Field Visit: 03 Training: 01	-	-	-	-	-
9	ICM	Paddy	Losses of nutrients due to excess rainfall, nutrients deficiencies due to acidic soil pH	-	FLD- Potassium management in coastal paddy	01 (30)	-	-	Field Visit: 03 Training:1	-	-	-	-	-
10	ICM	Pineapple	Uneven flowering, harvesting and marketing is difficult	-	FLD - Demonstration of Ethrel spot applicator in Pineapple	1(34)	-	-	Field Visit:03 Training:01 Method demonstration: 02	-	-	-	-	Ethrel 250ml/farmer
11	ICM	Jasmine	Pruning techniques not followed Low yield during off season and high incidence of sucking pests	-	FLD - Integrated crop management in Udupi Jasmine	1(15)	-	-	Field Visit:03 Training:01 Method demonstration: 02	-	-	-	-	Neem cake : 40kg Secature: 01/ farmer Neem oil- 250ml/farmer

12	ICM	Yard Long bean	Crop is being growing in about 23.5 ha area Low yield in the existing variety	-	FLD - Demonstration of high yielding Yard Long Bean (Variety - Arka Mangala)	1(16)	-	-	Field Visit:03 Training:01 Method demonstration: 02	-	-	-	-	Arka mangala seeds- 1kg/farmer AMC- 10kg Arka vegetable special – 2 kg/farmer
13	ICM	Okra	Low yield due to improper nutrient management Yield loss up to 50% due to high incidence of Yellow Vein Mosaic	-	FLD - Integrated crop management in Okra	1(18)	-	-	Field Visit:03 Training:01 Method demonstration: 02	-	-	-	-	Halu Bhendi seeds- 0.25 kg/farmer AMC- 10 kg Arka vegetable special – 2 kg/farmer Neem oil : 550ml
14	ICM	Paddy	Poor yield due to high incidence of blast and leaf spot disease  (Average of 10-30 % of yield loss)	-	FLD - Integrated disease management in paddy	01 (14)	-	-	Field Visit: 03 (42) Training:01 (14) Demo: 01 (14) Field Day: 02(77)	-	-	-	10	Fungicides 6.0 Kg
15	IPM	Arecanut	Reduced growth during early growing stage of the crop 20-24 % spindle bug incidence	-	FLD - Integrated management of spindle bug in arecanut	-	-	-	Field Visit:01 (10) Training:	-	-	-	10	Insecticides 4.0 kg
16	IPM	Arecanut	Poor yield due to high incidence of leaf spot disease (60 % of yield loss )	-	FLD - Integrated management of leaf spot in arecanut	01 (22)	-	-	Field Visit: 02 (32) Training: 01 (22) Demo: 1 (22)	-	-	-	10	2.5 litre and 4.0 kg of fungicides

17		Cross breed cows	Non availability of timely artificial insemination in remote areas. Imbalanced Nutrition, Deficiency of major and minor Minerals result in low conception Rate, Repeat breeding and Infertility	-	FLD -Ovsynch Protocol for repeat breeding and Infertility management in cross breed cows	--	-	-	Field Visit: 1 Training:-	-	-	-	-	-
18		Piglet	High mortality of Piglet	-	FLD - Integrated piglet management	1	-	-	Field Visit: 2 Training:1	-	-	-	-	-
19		Goat	Poor growth Anaemia due to ectoparasitic infestation	-	FLD - Scientific management of male kids (Goat)	1	-	-	Field Visit: 2 Training:1	-	-	-	-	-
20		GIFT Tilapia	Less production in local strain, Early maturity and breeding. Less marketable size impact on price and production	-	FLD - Production improvement by GIFT Tilapia culture	03	-	-	Field Visit: 02 Training:01	Seed:7500 Nos. Feed:120kg.	-	-	-	-
21	ICM	Pulses	Paddy fallows in rabi season and underutilization of residual soil moisture of paddy field.	-	FLD -Black Gram pulses crop in paddy fallows	-	-	-	Field Visit:01 Training:	0.4 q	-	-	05	05

### 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	2	3	4	5	6	7	8
1	OFT-Effect of Magnesium sulfate on growth and yield of coastal Paddy	KSNUAHS, Shivamogga	Paddy	1	-	1	-
2	OFT-Effect of Dolomite soil conditioner on areca nut yield and soil acidity in coastal soils of Dakshina Kannada	KSNUAHS, Shivamogga	Arecanut	1	-	1	-

3	OFT-Assessment of Inflorescence die back and button shedding management in arecanut	CPCRI Kasaragod and KSNUAHS Shivamogga	Arecanut	1	-	1	-
4	OFT-Evaluation on growth performance of <i>Murrels</i> in coastal farm ponds	CIFA, Bhubaneshwar and CIFRI, Barakpur	Fish	1	-	1	-
5	FLD-Demonstration of Sahyadri Kempumukthi red rice variety for lowlands in Dakshina Kannada	KSNUAHS, Shivamogga	Paddy	-	1	1	-
6	FLD-Demonstration of Sahyadri Brahma red rice variety for midlands of Dakshina Kannada	KSNUAHS, Shivamogga	Paddy	-	1	1	-
7	FLD-Demonstration of Kaje-25-9 red rice variety for uplands of Dakshina Kannada	KSNUAHS, Shivamogga	Paddy	-	1	1	-
8	Management of nut cracking and premature nut fall in arecanut	CPCRI, Kasargod	Arecanut	-	1	1	-
9	Potassium management in coastal paddy	UAHS Shivamogga	Paddy	-	1	1	-
10	Demonstration of Ethrel spot applicator in Pineapple	UHS, Bagalkot	Pineapple	-	1	1	-
11	Integrated crop management in Udupi Jasmine	TNAU, Coimbatore	Jasmine	-	1	1	-
12	Demonstration of high yielding Yard Long bean variety Arka Mangala	ICAR-IIHR, Bengaluru	Yard Long bean	-	1	1	-
13	Integrated crop management in Okra	ICAR-IIHR, Bengaluru	Okra	-	1	1	-
14	Integrated disease management in paddy	UAS Bengaluru	Paddy	-	1	1	-
15	Integrated management of spindle bug in arecanut	CPCRI Kasaragod	Arecanut	-	1	1	-
16	Integrated management of leaf spot in arecanut	CPCRI Kasaragod	Arecanut	-	1	1	-
17	Ovsynch Protocol for repeat breeding and Infertility management in cross breed cows	KVAFSU, Bidar	Cows	-	1	1	-
18	Integrated piglet management	KVAFSU, Bidar	Piglet	-	1	1	-
19	Scientific management of male kids (Goat)	KVAFSU, Bidar	Goat	-	1	1	-
20	Production improvement by GIFT Tilapia culture	RGCA, Tamil Nadu	Fish	-	1	1	-
21	Black Gram pulses crop in paddy follows	UAS, Bengaluru	Paddy based cropping System	-	1	0	-

3.B2 contd..

No. of farmers covered			
OFT	FLD	Training	Others (Specify)







**4.A3. Abstract on the number of technologies assessed 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)	-	-	-	-	-	-
<b>TOTAL</b>	-	-	-	-	-	-

**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)	-	-	-	-	-	-
<b>TOTAL</b>	-	-	-	-	-	-

**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)
Integrated Nutrient Management	Paddy	Effect of Magnesium sulfate on growth and yield of coastal Paddy	03	05	05 Karanduru Guttu, Balanja	1 ha
	Arecanut	Effect of Dolomite soil conditioner on areca nut yield and soil acidity in coastal soils of Dakshina Kannada	03	10	10 Balanja	2 ha
Varietal Evaluation	-	-	-	-	-	-
	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-
	-	-	-	-	-	-

Integrated Crop Management	-	-	-	-	-	-
	-	-	-	-	-	-
Integrated Disease Management	Areca nut	Assessment of inflorescence dieback and button shedding management in areca nut	02	5	05/Balanja Belthangady	0.02 ha
	-	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-	-
	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-
	-	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-	-
	-	-	-	-	-	-
Farm Machineries	-	-	-	-	-	-
	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-
	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-
	-	-	-	-	-	-
Value addition	-	-	-	-	-	-
	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-
	-	-	-	-	-	-
Storage Technique	-	-	-	-	-	-
	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-
	-	-	-	-	-	-
<b>Total</b>	-	-	08	15	20	3.02

#### 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	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-

**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
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	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
<b>Total</b>					

**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	-	-	-	-	-
<b>Total</b>	-	-	-	-	-

#### 4.B.5. Technologies 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	Drudgery reduction	-	-	-	-	-
		-	-	-	-	-
2	Entrepreneurship Development	-	-	-	-	-
		-	-	-	-	-
3	Health and nutrition	-	-	-	-	-
		-	-	-	-	-
4	Processing and value addition	-	-	-	-	-
		-	-	-	-	-
5	Energy conservation	-	-	-	-	-
		-	-	-	-	-
6	Small-scale income generation	-	-	-	-	-
		-	-	-	-	-

7	Storage techniques	-	-	-	-	-
		-	-	-	-	-
8	Household food security	-	-	-	-	-
		-	-	-	-	-
9	Organic farming	-	-	-	-	-
		-	-	-	-	-
10	Agroforestry management	-	-	-	-	-
		-	-	-	-	-
11	Mechanization	-	-	-	-	-
		-	-	-	-	-
12	Resource conservation technology	-	-	-	-	-
		-	-	-	-	-
13	Value Addition	-	-	-	-	-
		-	-	-	-	-
14	Others, pl. specify	-	-	-	-	-
		-	-	-	-	-

**4.B.6. Technologies 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	Value Addition	-	-	-	-	-
		-	-	-	-	-
5	Women Empowerment	-	-	-	-	-
		-	-	-	-	-
6	Others, pl. specify	-	-	-	-	-
		-	-	-	-	-

## 4.C1. Results of Technologies Assessed

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
Paddy	Kharif	Deficiency of Magnesium and sulfur in the soil causes reduction in photosynthetic activity leading to the low yield	Effect of Magnesium sulfate on growth and yield of coastal Paddy	05	<b>T.O.1</b> Application of NP complex fertilizers, no application of MgSO <sub>4</sub>	Farmers Practice	32.5	Q/ha	Plant height 96.9	1,09,198	80,778	2.84
					<b>T.O.2:</b> POP: NPK (90:45:45 kg/ha) Full P application at basal (N and K nutrition 2 equal split application, at Basal and Panicle initiation (55-60 DAT) + ZnSO <sub>4</sub> (20 kg/ha) + MgO (20kg/ha) + soil test based Lime application (600kg/ha in 2 splits first 350 kg/ha during first plough, second 250kg/ha at 30 DAT/Sowing)	KAU	47.5	Q/ha	Plant height 108.3 cm	1,60,693	1,22,303	3.19
					<b>T.O.3:</b> NPK (60:30:75 kg/ha) (K nutrition 3 equal split application. One at planting, Second at 25-30 DAT, Third at 55-60 DAT + ZnSO <sub>4</sub> (20 kg/ha) + soil test based Lime application + MgSO <sub>4</sub> (30 kg/ha)	KSNUAHS, Shivamogga	52.4	Q/ha	Plant height 109.2 cm	1,90,480	1,48,320	3.52
Arecanut	Rabi	High soil acidity, unavailability of applied nutrients, phosphate fixation in soils.	Effect of Dolomite soil conditioner on areca nut yield and Soil acidity in coastal soils of Dakshina Kannada	10	<b>TO1:</b> Farmers Practice: Application of NPK complex fertilizers, less application of K fertilizer, Zero or No application of lime	Farmers Practice	26.7	Q/ha	No. of nuts/kg 42.4	10,68,000	8,15,600	3.23
					<b>TO2:</b> POP: 100:40:140 NPK g/palm, Borax @2g/l, FYM-12 kg/palm, soil test based lime application	CPCRI	38.4	Q/ha	No. of nuts/kg 33.3	15,36,000	12,53,300	4.43
					<b>TO3:</b> 100:40:140 NPK g/palm, Borax @ 2g/l, FYM-12 kg/palm, soil test based Dolomite application	KSNUAHS, Shivamogga	43.1	Q/ha	No. of nuts/kg 29.6	17,24,000	14,32,800	4.92
Arecanut	Rabi	Low yield High incidence of inflorescence die back & button shedding (upto 60%)	Assessment of Inflorescence die back and button shedding management in arecanut	05	<b>TO1-</b> Untimely and injudicious use of non-recommended fungicides	Farmers Practice	-	-	42.74 % Disease incidence	-	-	-
					<b>TO2-</b> Application of Carbendazim 63%+Mancozeb 12% 75WP @ 2g L <sup>-1</sup> of water after opening of female flowers and second spray was given at 30 days after 1 <sup>st</sup> spray	KSNUAHS Shivamogga	-	-	13.86 % Disease incidence	-	-	-
					<b>TO3-</b> Removal and destroying of fully affected inflorescence & provide good draining system. Application of recommended dose of fertilizer Application of propiconazole 25 % EC @ 1 ml L-1 after opening of female flowers and second spray was given at 30 days after 1st spray	CPCRI Kasaragod	-	-	10.56 % Disease incidence	-	-	-



Fisheries	Slow growth of locally available species and non availability of high value, fast growing species which can fetch high price in the local market	Evaluation on growth performance of Murrels in coastal farm ponds	06	TO 1:	Farmers practice	Under Progress  Channa striatus- In 5 months period attained average weight of 450 grams Channa marulius-,In 5 months period attained average weight of 400 grams
				<ul style="list-style-type: none"> <li>Farming Carps: Duration-1 year</li> <li>Manuring: Std. Protocol</li> <li>Stocking: @ 1 fish seeds/m<sup>2</sup></li> <li>Feed: Ricebran and GOC@4% of body weight</li> </ul>		
				TO 2:	CIFA, Bhubaneswar	
				<ul style="list-style-type: none"> <li>Striped Murrel (<i>Channa striatus</i>)</li> <li>Duration-1 year</li> <li>Pond: Earthen and lined</li> <li>Stocking: @ 1-2 fish seeds/m<sup>2</sup></li> <li>Feed: Pelleted feed @ 5% of body weight</li> </ul>		
				TO 3:	CIFRI, Barakpur	
				<ul style="list-style-type: none"> <li>Giant Murrel (<i>Channa marulius</i>): Duration-1 year</li> <li>Pond: Earthen and cement cistern</li> <li>Stocking: @ 1 fish seeds/m<sup>2</sup></li> <li>Feed: Pelleted feed @ 5% of body weight</li> </ul>		

#### 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
Effect of Magnesium sulfate on growth and yield of coastal Paddy	Good technology to obtain higher yield with good quality by appearance, one should cautious about excess application of sulfur and soil acidity.	Lack of awareness about the importance of Magnesium sulfate on growth and yield of the crop
Effect of Dolomite soil conditioner on areca nut yield and Soil acidity in coastal soils of Dakshina Kannada	Better technology to obtain higher yield with lower incidence of fungal diseases, with high nutrient use efficiency	Lack of awareness about the importance of Dolomite on growth and yield of the crop
Evaluation of growth performance of Murrels in coastal farm ponds	-	-

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

- Title of Technology Assessed
- Performance of the Technology on specific indicators
- Specific Feedback from farmers
- Specific Feedback from Extension personnel and other stakeholders
- Feedback to Research System based on results and feedback received
- 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; Nil

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: Nil

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	Paddy fallows	Rabi	Blackgram	LBG-791	-	Crop Production	Black Gram pulses crop in paddy fallows	2.0	2.0	-	-	01	04
	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Cereals	Rainfed	Kharif	Paddy	Sahyadri Kempumukhi	-	Crop Production	Demonstration of Sahyadri Kempumukhi red rice variety for lowlands in Dakshina Kannada	04	04	1	9	-	-
		Rainfed	Kharif	Paddy	Sahyadri Brahma	-	Crop Production	Demonstration of Sahyadri Brahma red rice variety for midlands of Dakshina Kannada	04	04	1	9	-	-
		Rainfed	Kharif	Paddy	Kaje 25-9	-	Crop Production	Demonstration of Kaje-25-9 red	02	1.4	0	03	-	-

								rice variety for uplands of Dakshina Kannada						
		Rainfed	Kharif	Paddy	-	-	INM	Potassium management in coastal Paddy	02	02	0	10	-	-
		Rainfed	Kharif	Paddy	MO-4	-	IPM	Integrated disease management in Paddy	02	10	1	9	-	-
3	Millets	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Vegetables	Rainfed	Rabi	Yard Long bean	Arka Mangala	-	ICM	Demonstration of high yielding Yard Long Bean (Variety- Arka Mangala)	01	01	1	9	-	-
		Rainfed	Rabi	Okra	Halu Bhendi	-	ICM	Integrated crop management in Okra	01	01	0	10	-	-
5	Flowers	Rainfed	Rabi	Jasmine	Udupi Jasmine	-	ICM	Integrated Crop Management in Udupi Jasmine	0.2	0.2	0	5	-	-
6	Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Fruit	Rainfed	Rabi	Pineapple		-	ICM	Demonstration of Ethrel spot applicator in Pineapple	01	01	0	10	-	-
8	Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Fodder	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Plantation	Rainfed	Rabi	Arecanut	-	-	INM	Management of	2	2	-	10		



21	Mussels	-	-	-	-	-	-	-	-	-	-	-	-	-
22	Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-
23	Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-
24	Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-
25	Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-
26	Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-
27	Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-
28	Implements	-	-	-	-	-	-	-	-	-	-	-	-	-
29	Others (specify) GIFT Tilapia	-	-	Fish	GIFT Tilapia	-	-	Production improvement by GIFT Tilapia culture	0.3	0.3	-	3		

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

Sl. No.	Category	Farming Situation	Season and	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil	Previous crop grown
---------	----------	-------------------	------------	------	----------------	--------	---------------	-------------------------	-----------------	----------------	---------------------



10	Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-
11	Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Fodder	-	-	-	-	-	-	-	-	-	-	-	-	-
13	Plantation	Rainfed	Rabi	Arecanu	-	-	-	-	Management of nut cracking and premature nut fall in Areca nut	Rabi	-	-	-	Arecanut
14		Rainfed	Rabi	Arecanu	-	-	-	-	Integrated management of spindle bug in arecanut	Rabi	-	-	-	Arecanut
		Rainfed	Rabi	Arecanut	-	-	-	-	Integrated management of leaf spot in arecanut	Rabi	-	-	-	Arecanut
15	Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-

## 5.B. Results of FLDs

### 5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)			Check	% Increase	Economics of demonstration (Rs./ha)			Economics of demonstration (Rs./ha)		
							Demo					Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
							H	L	A								
Oilseeds																	
Pulses	Black Gram pulses crop in paddy follows	Local	-	Rainfed	-	-	-	-	-	-	In progress Training programme is organized						
Cereals	Demonstration of Sahyadri Kempumukthi red rice variety for lowlands in Dakshina Kannada	Sahyadri Kempumukthi	-	Rainfed	10	04	48	42	45	43	4.65	121500	58375	1.92	111800	48988	1.78







						name of component and yield parameter)				crop)		Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
						1	2	3	4								

#### Feedback on IFS technologies demonstrated

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

#### 5.B.3. Livestock and related enterprises

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Name of the parameter with unit	Yield (kg/animal)			Check if any	% Increase	*Economics of demonstration Rs./unit)			*Economics of check (Rs./unit)		
						Demo					Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
						H	L	A								
Dairy	Ovsynch Protocol for repeat breeding and Infertility management in cross breed cows	-	10 (01 Animal/Demo.)	10	-	-	--	-	-	-	-	-	-	-	-	-
Poultry	-	-	-	-	-	-	--	-	-	-	-	-	-	-	-	-
Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Piggery	Integrated piglet management		05 (10 Animal/Demo.)	05	Body Weight (every week) Disease Incidence, Piglet mortality	-	-	-	Under Progress Iron supplementation and deworming has been done Instructed to provide balanced feed to weaned pig							



Others (pl.specify)	Production improvement by GIFT Tilapia culture	GIFT Tilapia	03	0.3	Tonnes/ha.	-	-	-	-	-	Under Progress Seeds have been distributed and advised to feed the fish with pelleted feed @ 5% of body weight In 5 months culture period attained 400 grams				

\* 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.)**

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

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

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 : Nil**

Enterprise	Name of the technology demonstrated	Variety/ species	No. of Demo	Units/ Area {m <sup>2</sup> }	Name of the parameter with unit	Yield			% Increase	*Economics of demonstration (Rs./unit) or (Rs./m2)			*Economics of check (Rs./unit) or (Rs./m2)			
						Demo				Check if any	Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR
						H	L	A								
Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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., additional income realized, employment generation, quantum of farm resources recycled etc.)

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 : Nil

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 Mandays		% 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

\* 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.) : Nil

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

5. B10. Feedback on farm implements demonstrated: Nil

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

5.B.6.Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field days	1	10	Demonstration of Sahyadri Brahma red rice variety for midlands of Dakshina Kannada
		1	31	Potassium management in coastal Paddy
		02	77	Integrated diseases management in Paddy
2	Farmers Training	18	10	-
3	Media coverage	2	-	-
4	Training for extension functionaries	-	-	-
5	Others (Please specify)	-	-	-



<b>Total</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder crops	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maize (Fodder)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorghum (Fodder)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

H-High L-Low, A-Average

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

**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
-	-	-
-	-	-

#### 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
<b>Crop Production</b>	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	2	32	35	67	0	0	0	32	35	67
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	1	0	0	0	22	68	90	22	68	90











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)	-	-	-	-	-	-	-	-	-	-
<b>CapacityBuilding and Group Dynamics</b>	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	3	77	57	134	10	04	14	87	61	148
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
<b>Agro-forestry</b>	-	-	-	-	-	-	-	-	-	-
Production technologies	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>21</b>	<b>421</b>	<b>268</b>	<b>689</b>	<b>82</b>	<b>98</b>	<b>180</b>	<b>503</b>	<b>366</b>	<b>869</b>







Processing and cooking	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-	-
Women empowerment	-	-	-	-	-	-	-	-	-	-	-
Location specific drudgery production	-	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-
<b>Agril. Engineering</b>	-	-	-	-	-	-	-	-	-	-	-
Farm machinery and its maintenance	1	36	6	42	0	0	0	36	6	42	
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)	-	-	-	-	-	-	-	-	-	-	-
<b>Plant Protection</b>	-	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	01	26	04	30	0	0	0	26	04	30	
Integrated Disease Management	4	59	7	66	0	0	0	59	7	66	
Bio-control of pests and diseases	01	50	02	52	0	0	0	50	02	52	
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	01	32	06	38	0	0	0	32	06	38	
<b>Fisheries</b>	-	-	-	-	-	-	-	-	-	-	-
Integrated fish farming	3	40	39	79	1	0	1	41	39	80	
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	01	39	48	87	11	14	25	50	62	112	
Composite fish culture	01	03	0	03	2	0	2	5	0	5	







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	3	32	76	108	13	21	34	45	97	142	
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-	-
Friends of Coconut Tree	4	65	3	68	10	2	12	75	5	80	
Soil Testing	1	21	7	28	8	1	9	29	8	37	
Crop Production-Improved cultivation Practices in Paddy	1	11	14	25	02	0	2	13	14	27	
Plant Protection-ICM in Paddy	2	35	27	62	0	0	0	35	27	62	
<b>TOTAL</b>	<b>22</b>	<b>357</b>	<b>308</b>	<b>665</b>	<b>79</b>	<b>46</b>	<b>125</b>	<b>436</b>	<b>354</b>	<b>790</b>	





Management in farm animals	1	0	33	33	0	0	0	0	33	33
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
Weed Management	01	16	0	16	0	0	0	16	0	16
<b>Total</b>	<b>5</b>	<b>72</b>	<b>82</b>	<b>154</b>	<b>4</b>	<b>1</b>	<b>5</b>	<b>76</b>	<b>91</b>	<b>167</b>

**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	-	-	-	-	-	-	-	-	-	-
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) Awareness Programme on Zoonosis	1	20	21	<b>41</b>	0	05	<b>5</b>	20	26	46
Swachatha awareness programme	1	05	03	<b>08</b>	2	2	<b>4</b>	7	5	12
World Soil Day -Awareness Programme	1	34	02	<b>36</b>	20	0	<b>20</b>	54	2	56
<b>Total</b>	<b>3</b>	<b>59</b>	<b>26</b>	<b>85</b>	<b>22</b>	<b>7</b>	<b>29</b>	<b>81</b>	<b>33</b>	<b>114</b>

## 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	
<b>1</b>	<b>Crop production and management</b>											
1.a.	Increasing production and productivity of crops-ICM in Coconut	<b>6</b>	<b>185</b>	<b>43</b>	<b>228</b>	<b>21</b>	<b>0</b>	<b>21</b>	<b>206</b>	<b>43</b>	<b>249</b>	
1.b.	Commercial production of vegetables	-	-	-	-	-	-	-	-	-	-	
<b>2</b>	<b>Production and value addition</b>											
2.a.	Fruit Plants	-	-	-	-	-	-	-	-	-	-	
2.b.	Ornamental plants	-	-	-	-	-	-	-	-	-	-	
2.c.	Spices crops	-	-	-	-	-	-	-	-	-	-	
<b>3.</b>	<b>Soil health and fertility management</b>											
<b>4</b>	<b>Production of Inputs at site</b>											
<b>5</b>	<b>Methods of protective cultivation</b>											
<b>6</b>	<b>Others (pl.specify)</b>											
<b>7</b>	<b>Post harvest technology and value addition</b>											
7.a.	Processing and value addition	-	-	-	-	-	-	-	-	-	-	
7.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	
<b>8</b>	<b>Farm machinery</b>											
8.a.	Farm machinery, tools and implements (FOCT)	<b>10</b>	<b>65</b>	<b>3</b>	<b>68</b>	<b>10</b>	<b>1</b>	<b>11</b>	<b>75</b>	<b>4</b>	<b>79</b>	
8.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	
<b>9.</b>	<b>Livestock and fisheries</b>											
<b>10</b>	<b>Livestock production and management</b>											
10.a.	Animal Nutrition Management	<b>1</b>	<b>0</b>	<b>33</b>	<b>33</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>33</b>	
10.b.	Animal Disease Management	-	-	-	-	-	-	-	-	-	-	
10.c.	Fisheries Nutrition	-	-	-	-	-	-	-	-	-	-	
10.d.	Fisheries Management	-	-	-	-	-	-	-	-	-	-	
10.e.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	
<b>11.</b>	<b>Home Science</b>											
11.a.	Household nutritional security	-	-	-	-	-	-	-	-	-	-	
11.b.	Economic empowerment of women	-	-	-	-	-	-	-	-	-	-	
11.c.	Drudgery reduction of women	-	-	-	-	-	-	-	-	-	-	
11.d.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	
<b>12</b>	<b>Agricultural Extension</b>											
12.a.	CapacityBuilding and Group Dynamics	<b>01</b>	<b>0</b>	<b>36</b>	<b>36</b>	<b>0</b>	<b>8</b>	<b>8</b>	<b>0</b>	<b>44</b>	<b>44</b>	
12.b.	Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	
	<b>Total</b>	<b>18</b>	<b>250</b>	<b>115</b>	<b>365</b>	<b>31</b>	<b>9</b>	<b>40</b>	<b>281</b>	<b>124</b>	<b>405</b>	

## Details of sponsoring agencies involved

1. Coconut Development Board (FOCT)
2. Dept. of AH&VS
3. Dept of KSDA





**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	0	1794	683	2477	110	9	119	0	0	0
Farmers visit to KVKs	0	859	386	1245	82	15	97	5	102	107
Lectures delivered as resource persons	192	5298	4330	9628	0	0	0	449	142	591
Diagnostic Visits	52	334	77	411	0	0	0	40	20	60
Field Days	12	202	59	230	10	7	17	2	0	2
Group discussions/ meetings	32	510	184	664	0	0	0	186	81	261
Kisan Gosthies	0	0	0	0	0	0	0	0	0	0
Film Shows	0	0	0	0	0	0	0	0	0	0
Self help group meetings	1	0	10	10	0	0	0	0	0	0
Mahila mandals meetings	0	0	0	0	0	0	0	0	0	0
Kisan Melas	1	700	250	950	0	0	0	30	20	50
Exhibitions	5	1036	545	1581	4	4	8	23	5	28
Scientist visit to farmers fields	64	651	117	768	0	0	0	65	29	94
Soil health camps	0	0	0	0	0	0	0	0	0	0
Animal health camps	0	0	0	0	0	0	0	0	0	0
Plant health camps	0	0	0	0	0	0	0	0	0	0
Farm Science Club meetings	1	200	41	241	0	0	0	0	0	0
Ex-trainees Sammelans	0	0	0	0	0	0	0	0	0	0
Farmers seminars	1	18	14	32	0	0	0	4	0	4
Workshops	2	88	16	104	30	10	40	3	0	3
Method Demonstrations	18	373	96	449	1	1	2	33	15	48
Celebration of important days	3	30	18	48	6	3	9	0	0	0
Special day celebrations	14	445	463	908	55	61	116	18	7	25
Exposure visits	5	88	10	98	2	0	2	2	1	3
Others, Awareness Programme(Oct.)	22	180	58	238	0	0	0	22	10	32
<b>Live telecast programmes facilitated to farmers</b>	<b>3</b>	<b>254</b>	<b>116</b>	<b>370</b>	<b>13</b>	<b>17</b>	<b>30</b>	<b>32</b>	<b>10</b>	<b>42</b>
<b>Total</b>	<b>428</b>	<b>13060</b>	<b>7473</b>	<b>20452</b>	<b>313</b>	<b>127</b>	<b>440</b>	<b>914</b>	<b>442</b>	<b>1350</b>

**8.2 Other extension activities like print and electronic media etc.**

Sl. No.	Type of media/activity	Number of activities/Number
1	Popular articles	4
2	Newspaper coverage	42
3	Extension Literature	3
4	Radio Talks	14
5	TV Talks	12
6	CD/DVD/Video clips	3
7	Animal health camps	0
8	Others, please specify-Research Paper	2
9	News letter	2
	<b>Total</b>	<b>82</b>

**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)	Paddy	Panchmukhi	8.64	37526.00	25
	Paddy	Kempu Mukhi	20.1	8268.00	3
	Paddy	M.O.-4	0.20	810.00	1
Oilseeds	-	-	-	-	-
Pulses	-	-	-	-	-
Commercial crops	-	-	-	-	-
Vegetables	Bhendi Seeds	Local	0.015	3000.00	19
Flower crops	-	-	-	-	-
Spices	-	-	-	-	-
Fodder crop seeds	-	-	-	-	-
Fiber crops	-	-	-	-	-
Forest Species	-	-	-	-	-
Others (specify)	-	-	-	-	-
<b>Total</b>			<b>28.955</b>	<b>49604.00</b>	<b>48</b>

**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
-	-	-	-	-	-
-	-	-	-	-	-
<b>Total</b>					

**9.C. Production of planting material by the KVKs : Nil**

Crop category	Name of the crop	Variety	Number	Value (Rs.)	Number of farmers to whom provided
Commercial	-	-	-	-	-
Vegetable seedlings	-	-	-	-	-
Fruits	-	-	-	-	-
Ornamental plants	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-
Plantation	-	-	-	-	-
Spices	-	-	-	-	-

Tuber	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-
Forest Species	-	-	-	-	-
Others(specify)	-	-	-	-	-
<b>Total</b>	-	-	-	-	-

**9.D. Production of hybrid planting materials 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
-	-	-	-	-	-
-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-

**9.C. Production of Bio-Products**

	Name of the bio-product	Quantity (q)	Value (Rs.)	Number of farmers to whom provided
<b>Bio Products</b>				
Bio Fertilizers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others (specify)	Vermicompost	7.28	14560	5
	Earthworms	0.0521	3387	6
	FYM	560 CFT	1680.00	1
<b>Total</b>				

**9.D. Production of livestock**

Particulars of Livestock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
<b>Dairy animals</b>	-	-	-	-
Cows	-	-	-	-
Buffaloes	-	-	-	-
Calves	-	-	-	-
Others (Pl. specify)	-	-	-	-
<b>Poultry</b>	Swarnadhara Poultry	555	74405	39
Broilers	-	-	-	-
Layers	-	-	-	-

Duals (broiler and layer)	-	-	-	-
Japanese Quail	-	-	-	-
Turkey	-	-	-	-
Emu	-	-	-	-
Ducks	-	-	-	-
Others (Pl. specify)	-	-	-	-
<b>Piggery</b>	-	-	-	-
Piglet	-	-	-	-
Others (Pl. specify)	-	-	-	-
<b>Fisheries</b>	-	-	-	-
Fingerlings	-	-	-	-
Others (Pl. specify)	-	-	-	-
<b>Total</b>	-	-	-	-

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

## 10. A. Literature Published

(i) Summary of published

Item	Number
Research papers- International	2
Research papers- National	3
Technical reports	11
Technical bulletins	-
Popular articles - English	4
Popular articles – Local language	3
Extension literature	4
Others if any-Book	1

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

Please provide the details of publication 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.

1. Sujatha M., Jaidhar C.D., Mallikarjuna Lingappa, 1D convolutional neural networks-based soil fertility classification and fertilizer prescription, 78 (2023) 102295, *Ecological Informatics*
2. Puneeth B. R\*1, Sushrutha Jain\*2, Nethravathi P. S\*3, Kedarnath\*4, Comparing the performance of convolutional neural, Network (CNN) and support vector machine (SVM) in detecting Diseases from arecanut bunches, 05(5):2023, 9246-9253, *International Research Journal of Modernization in Engineering Technology and Science*
3. Ravindragouda Patil, Production of hormone-free monosex population of Nile Tilapia, *Oreochromis niloticus* (Linnaeus, 1758), Vol.52(3): 17-28, *Indian Journal of Veterinary and Animal Sciences Research*.
4. Kedarnath, KT Rangaswamy, NB Prakash, Raghavendra Achari and Subyasachi Majumdar, *The Pharma Innovation*, 12 (3) 5476-5484, *The Pharma Innovation Journal*
5. Mahalingappa, B., Kedarnath, manjunath hurakadli, Raghavendra Achari, H. K. Ramappa and Tehjaswi Kumar J., First report of phytoplasma presence in a Phylody disease of buckwheat, 13(02): 2023, 151-155, *PhylPhytopathogenic Mollicutes*
6. H. Shenoy and Siddaraju M N “Growth indices of Rice (*Oryza sativa* L) as influenced by substitution ratios of nitrogen nutrient with organic sources”(2023)in *Extended summary “Climate Smart Agronomy for resilient Production Systems and Livelihood Security held at CCARI old Goa from 22-24 Nov,2023. Pp.36-38*

Example:

Dagar J C, Tomar O S, Minhas P S and Kumar M, (2013) Lemon grass productivity as affected by salinity of irrigation water, planting methods and fertilizer doses on a calcareous soil in a semi-arid region of northwest India. *Indian Journal of Agricultural Sciences*, 83(7): 734-738.

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	1. KVK Dakshina Kannada Raithabandu 2. Fish farmers United 3. Kalyana foundation 4. Mangaluru krishika samaja 5. Plant protection 6. Krishika samaja 7. ICM in pepper 8. INT crop management in pepper 9. African snail management 10. DAESI-III 11. DAESI-IV 12. DAESI-V 13. DAESI-VI 13. Navachetana FPO 14. Pingara FPO 15. Aladanangadi FPO 16. Raitha janya FPO 17. ICM Bhendi 18. Krishi saki batch _III 19. Glyphosate trainees batch II 20. Medicinal Plants 21. Amutha savayava 22. Kasanvani AIR Mangaluru	Farming community is linked through whatsapp groups with routine sharing of information by the farmers and scientific guidance by scientists of KVK.
4	Facebook account name	kvkdakshinakannada	Farming community is linked through Facebook groups with routine sharing of information by the farmers and scientific guidance by scientists of KVK.
5	Instagram account name	-	-
6	Others if any	kvkdakshinakannada	-

**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

## **Success Stories**

### **Title: Biofloc Technology**

#### **Background:**

Fish is one of the most nutritious foods with various benefits to the consumer with quality protein, vitamins, minerals, and omega 3 fatty acids. Fish farming has been an age-old practice under different farming practices. Fish farming in ponds using available water resources is a common practice around the world. With increasing demand for quality food and increased population, new technologies to enhance fish production under the confined environment has yielded a promising future for the fish farming community. Biofloc culture is an innovative and cost-effective technology in which toxic materials to the fish such as nitrogenous waste is converted into proteinaceous feed. It is the technology used in aquaculture system with limited or zero water exchange under high stocking density, strong aeration and biota formed by biofloc.

#### **Interventions:**

Mr. Prajwal Prathiek Pinto, an abroad returned young safety engineer of Amtoor village, Dakashina Kannada had keen interest in fish farming. The experimental culture was started in the back yard of his house with locally available materials for the culture system. The farming faced several issues including fish seed mortality to water quality imbalance. The Second experiment had some better results but the production was below par. Mr. Prajwal with his experimental results reached KVK, Dakshina Kannada for the remedial measures and for obtaining more knowledge in biofloc technology.

#### **Output :**

The success made Mr. Prajwal to expanded his farm from two tanks to 5 tanks with 10,000 lit capacities. The subsequent cultures yielded 3.5 tonnes from two culture periods with a net income of Rs. 6,45,000 per annum. The success was published in various media and press resulted in horizontal spread of the technology. Farmers with practical exposure to the site took up the technology under the guidance of KVK and the successful farmer.

**Outcome:**

Now Mr. Prajwal is working as a master trainer in and around the district to implement biofloc culture. Along with biofloc culture, inland extensive farming and brackishwater cage farming has been included in the culture system resulting in the improved income. A buy back system has been planned to help the farming community to procure the cultured fish and export to the neighbouring cities. With this extraordinary achievement in the field of fish farming, Mr. Prajwal became the first fish farmer to achieve “*Best farmer in the district*” award from the Department of agriculture, Government of Karnataka.

**Impact:**

After the 6 months of the culture duration, 472 kgs of fish was harvested with survival rate of 83% and mean weight of 421 gm. The fresh and live fish sales helped to attain higher price of 300-330 Rs/kg resulting in gross return of Rs.1,53,723. The net profit for the culture was 100387 from two 10,000 lit capacity tanks. The harvested fish were fresh, disease free, and chemical free which gained more demand in the local market. Customers started to come to the field to purchase fish and since then the marketing is being carried out on the site. The keenness in understanding the culture and hard work of Mr. Prajwal made the farming successful.

**Photos**

Mr. Prajwal Prathiek Pinto with fish cultured in biofloc system



Mr. Prajwal Prathiek Pinto at his expanded biofloc system farm



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

**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
-	-	-	-	-

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

### 1. Best Article Award for KVK

The success story of Mr. Dayanada Kulal, Progressive Farmer, Delanthabettu, on paddy flood resistant paddy seed production is published in Krishi Vigyan Magazine of April-June 2022 issue 46(2)/29-31. This article was considered as best article and for this KVK received award from the Honorable Vice Chancellor during the Krishimela 2023-24 at GKVK, Bengaluru.

## 2. Details of the Awardee Farmers

Sl.No.	Name of Awardee Farmer and Contact Details	Name of Award	Name of the Organization giving Award	Level (National/ State/ Regional, etc.)	Year of Award	Significant Area of contribution, for which Award was given
1	Shri Satyanarayana Beleri Netteanige village, Kinningar Post Dist: Kasargod, Kerala 681543 Mob: 9400650000	Padma Shri	Ministry of Home Affairs, Govt. of India	National	2024	Exceptional and distinguished service in the field of Agriculture (More than 650 traditional rice germplasm conservation)
2	Shri B. K. Devarao Mittabagilu village, post Killuru, Belthangady, Dist: Dakshina Kannada	Plant Genome Savior Farmer Reward	Protection of Plant Variety and Farmers' Rights	National	2023	More than 250 traditional rice germplasm, fruits and medicinal plants conservation
3	Kondana Chandrashekhar Gatty Kondana Nursery. Kotekar Post 575022. Mangalore Mob: 9242138152	Best Coconut Farmer Special Award	Coconut Development Board. Cochin	National	2011	Dwarf and Hybrid Coconut based Integrated Farming
		Best Farmer	University of Agriculture Science. Bangalore	District	2011	Integrated Farming
		Best Farmer	ATMA	Taluk	2019	Water Conservation
4	Anitha M , W/o late.Thimmappa Naik M, Kuvenja house, Bettampady , post and villege , Puttur ,Dakshina kannada Mob: 9686105225	District Level Women Farmer	GKVK Bangalore	District	2011	Integrated farming
		Sankranthi Puraskar	Samskrithika Kalakendra bolvar Puttur	Taluk	2012	Integrated Farming
		District Level Dairy Farming	KMF Mangalore	Taluk	2014	Dairy Farming
		Horticulture Award	Horticulture Department Mangalore , Association with Dairy Day Ice cream Mangalore	Taluk	2016	Integrated farming
		District Level Women Farmer	Keladi Shivappa Nayak University of Agriculture and Horticulture Sciences, Shivamogga	District	2021	Integrated farming
		District Level Women Farmer	ATMA and Agriculture Department, Puttur	District	2022	Integrated farming
		Navabharathada	MGNAREGA	District	2022	MGNAREGA

		Naari Puraskar	Panchayath Raj Department			
		Raitha rathna award	Asianet Suvarna News and Kannada Prabha	State	2023	Organic and Integrated Farming
5	Mr.Suresh Balnadu Ujirupade Village Puttur Taluk Dakshina Kannada Mob: 9901146078	Best Farmer	ATMA	Taluk	2019	Arecanut and Black Pepper
6	Mr. Thimmappa Gowda Nyayatharpu Village Belthangadi Taluk Mob: 9448339579	Best Farmer	ATMA	Taluk	2019	Arecanut and Black Pepper
7	Mr. Canute Arahna Kilpadi Village,Mangalore Taluk Mob: 7204203179,9449209179	Best Farmer	Department of Agriculture	Taluk	2017-18	Value Addition in Cashew Dairy Farming
8	Mr. Subhakar Jain Kokradi Village Belthangadi Taluk Mob: 9449769955	Best Farmer	Department of Agriculture	Taluk	2018-19	Integrated Farming
9	Mr Keshava Shetty Kadabettu Village Bantwal Taluk Mob: 8722968273	Best Farmer	KVK,Dakshina Kannada	District	2020-21	Organic Farming
10	Mr. Prabhakara Mayya S/o. Subraya Mayya Surya house, Nada village, P O Permanu, Belthangady T q, D.K. District, Karnataka. PINCODE: 574214 Mob: 9686329327	' Sadhana Shri' Award	JCI, Belthangady	Taluk	2010	Integrated Farming
		Best Farmer	UAS Bengaluru	State	2011	Integrated Farming
		All India supari Federation Award	ICAR-CPCRI Kasargod	State	2012	Arecanut Cultivation
		Shresta Krishika Puraskar	GUJARAT GOV.	State	2013	Integrated Farming
		Best Farmer	UAHS, Sivamogga	District	2013	Integrated Farming
		Best Farmer	Art of living -Ravi shankar Guruji.	State	2015	Organic Farming
		Best Farmer	ATMA, Department of Agriculture	District	2015	Paddy Cultivation
		Innovative Farmer	ICAR, New Delhi	National	2016	Integrated Farming
		Kannada Rajostava	Govt. of Karnataka	District	2016	Integrated Farming
	<i>Best Farmer</i>	<i>Best VK Super Star</i>	District	2020	Integrated Farming	

11	Mr.P.Shankar Bhat Vitla Village Bantwal Taluk Mob:	Krishi Pandith Award –IIIrd place	Department of Agriculture	State	2010-11	Integrated Farming
12	Mr.John Vagous Cheluru Village, Bantwal Taluk Mob:8277720061,9964673108, 98255271261	Krishi Pandith Award –IIIrd place	Department of Agriculture	State	2009-10	Fish and Pig Farming
13	Mr.Mahabaleshwa Vitla Padnur Village Bantwal Taluk r Bhat N.	Krishi Pandith Award –IIIrd place	Director of Agriculture	State	2006-07	Agriculture Machinery Development
14	Mr.Thirumaleshwara Bhat K. Kodiyalu Village Sullia Taluk Mob: 9449331657	Krishi Pandith Award –IIIrd place	Director of Agriculture	State	2007-08	Integrated Cropping System and Multiple Cropping System
15	Smti.Prathibha Kula Kulai Village Mangalore Taluk Mob: 9964756410	Youth Farm Women	UAS Bengaluru	Taluk	2011	Ornamental Fish Seed Production
16	Smti.Jayanthi ,M Sampya Village Puttur Taluk Mob: 9741535113	Best Farm Women	UAS Bengaluru	District	2009-10	Jasmine Cultivation
17	Smti.Shobha Suresh Gowda Punacha Village Bantwal Taluk Mob: 9449769955	Best Farm Women	UAS Bengaluru	District	2007-08	Integrated Farming System
18	Smti.Vailet Vasu Chelur Village Bantwal Taluk Mob: 9844292722	Best Farm Women	UAS Bengaluru	District	2006-07	Integrated Farming System
19	Mr.Chandrashekara Rao Kariyangala,Bantwal Taluk Mob: 8970068969	<i>Best VK Super Star Farmer</i>	Vijaya Karnataka Daily News Paper	District	2018	Organic Farming
		<i>Best Horticulture Farmer"</i>	ATMA	Taluk	2017-18	Organic Farming

## PART XI – SOIL AND WATER TEST

## 11.1 Soil and Water Testing Laboratory

## A. Status of establishment of Lab :

1. Year of establishment : 2011  
 2. List of equipment's purchased with amount : No. Equipment Purchased during reporting period

Sl. No	Name of the Equipment	Qty.	Cost	Status
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
Total				

## 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	1729	1661	768	345800.00
Water Samples	804	804	352	40200.00
Plant samples	-	-	-	0
Manure samples	-	-	-	0
Others (specify)	-	-	-	0
<b>Total</b>	<b>2533</b>	<b>2465</b>	<b>1120</b>	<b>386000.00</b>

## C. Details of samples analyzed:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	-	-	-	-
Water Samples	-	-	-	-
Plant samples	-	-	-	-
Manure samples	-	-	-	-
Others (specify)	-	-	-	-
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

## 11.2 Mobile Soil Testing Kit

## A. Date of purchase and current status

Mobile Kits	Date of purchase	Current status
1.	01.03.2017	The reagents of Mridaparikshak are exhausted, trying to refill the reagents of Mridaparikshak but currently they are not available
2.	25.05.2019	The reagents of Mridaparikshak are exhausted, trying to refill the reagents of Mridaparikshak but currently they are not available

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

	During 2021	During 2022	Cumulative progress (Total)
Samples analyzed (No.)	-	-	-
Farmers benefited (No.)	-	-	-
Villages covered (No.)	-	-	-

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

Particulars	Date (s)	Villages (No.)	Farmers (No.)	Samples analyzed (No.)	Soil health cards issued (No.)
SWTL	-	-	-	-	-
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	30	-	-	-	6	-
2	-	-	-	-	56	-

**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)
Vermicompost	160	16	120000	225000
Flood resistant paddy (Var- Sahyadri Panhamukhi)	192	5	33074	62382
Coconut climbing	260	60	-	760000
Inland Fisheries	1096	41	250000/ha	492000
Value addition	245	8.57	--	102935/3 Groups/8 Months

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

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

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

**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	Taluka Technology implementation committee meeting of ATMA Project at ADA office Mangaluru	1	-	Meting attended to Taluka Technology implementation committee meeting of ATMA Project at ADA office Mangaluru dt. 26.10.2023 Dr. Mallikarjuna L., Scientist (Soil Science)
		Taluka Technology implementation committee meeting of ATMA Project at ADA office Bantwal	1	-	Meting attended to Taluka Technology implementation committee meeting of ATMA Project at ADA office Mangaluru dt. 26-09-2023 Harish Shenoy Assistant Professor (Agronomy)

02	Research projects	--	-	-	-
03	Training programmes	Integrated Crop Management in Horticulture Crops	1	-	Participated as resource person in the training programme conducted on dt. 31.05.2023 Dr. Rashmi R., Scientist (Horticulture)
		Importance of soil testing and INM	1	-	Participated as Resource person in the training programme dt. 15.12.2023 Dr. Mallikarjuna L., Scientist (Soil Science)
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)	ATMA best farmer Award Field visit	1	-	Field evaluation for best farmer award under ATMA Project dt. 27.10.2023 Dr. Mallikarjuna L., Scientist (Soil Science)
		ATMA best farmer Award Field visit	1	-	Field evaluation for best farmer award under ATMA Project Harish Shenoy Asst..Professor (Agronomy)

**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	ICAR-KVK, Dakshina Kannada	Diploma in Agricultural Extension Services for Input Dealers Programme-V	MANAGE, Hyderabad, Central Govt.	7,60,000.00	-	-
2		Natural Farming Project	ICAR-New Delhi	2,63,500.00	-	-
3		Skill Development Training Programme on Scientific Beekeeping for SC Farmers	ICAR-National Academy of Agricultural Research Management, Rajendranagar, Hyderabad (ICAR-ATARI, Bengaluru)	1,31,500.00	-	-
4		Skill Training on Vermicompost Production for SC Farmers	ICAR-National Academy of Agricultural Research Management, Rajendranagar, Hyderabad (ICAR-ATARI, Bengaluru)	2,33,000.00	-	-
5		Block Level Seminar under a special drive extension activities for SC/ST	Coconut Development Board, Ministry of Agriculture and Farmers Welfare, Govt. of India	40,000.00	-	-

6		Friends of Coconut Tree (FOCT) Palm climbing Training Programme and Farmers Field Day	Coconut Development Board, Regional Office Bengaluru, Ministry of Agriculture and Farmers Welfare, Govt. of India	56,500.00		
7		Modular Training programme KSRLPS Krishi Saki Sanjeevini programme	KSRLPS -Sanjeevini. Karnataka Govt.	526500=00	424269.00	Three batches completed 102 Krishi Sakhis trained.

### 13C. Kisan Mobile Advisory Services

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	64	Text	-	50	10	-	-	2	2	64	2450
February	109	Text	-	65	5	-	-	10	29	109	2845
March	90	Text	-	50	5	-	-	25	10	90	3525
April	68	Text	-	40	20	-	-	4	4	68	3700
May	6	Text	-	5	-	-	-	1	0	6	2450
June	64	Text	-	48	10	-	-	4	2	64	2870
July	102	Text	-	75	15	-	5	4	3	102	3248
August	146	Text	-	110	12	-	2	10	9	146	2874
September	15	Text	-	10	3	-	-	1	1	15	895
October	10	Text	-	6	1	-	-	2	1	10	587
November	75	Text	-	45	15	-	-	5	10	75	4587
December	53	Text	-	40	8	-	-	3	2	53	3050
Total	802			544	64		7	71	73	802	33081

### PART XIV- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

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



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	July-22	Nov-22	0.6 ha	Sahyadri Panchamukhi	TL-Seeds	864Kg.	12000=00	46604.00	-
				Sahyadri Kempumukhi	TL-Seeds	201Kg.			-
				MO4	TL-Seeds	20Kg.			-
Pulses	-	-	-	-	-	-	-	-	-
Oilseeds	-	-	-	-	-	-	-	-	-
Fibers	-	-	-	-	-	-	-	-	-
Spices & Plantation crops									
Floriculture	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-
Vegetables	-	-	-	Bhendi Seeds	Local	1.5Kg.	500.00	3000.00	-
Others (specify)									
				Coconut		2363 Nos.			40128.00
				Earth worms		521 Kg.			3387.00

**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	
-	-	-	-	-	-
-	-	-	-	-	-

**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	
1	Poultry	Swarnadhara	Chicks	555 Nos.	52083.00	74405.00	Provided to 39 farmers of the District
2	Milk Production	-	Milk Production	9476 Ltr.	292725.00	390300.00	Provided to consumers from Local and staff of College of Fisheries
3	FYM			560 Kg.	-	1680.00	-
			Total				

**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 -2023	131	11	-
February -2023	254	39	-
March-2023	46	32	-
April -2023	166	10	-
May-2023	180	11	-
June -2023	35	6	-
July -2023	26	3	-
August-2023	52	30	-
September -2023	17	43	-
October -2023	83	28	-
November -2023	96	69	-
December -2023	157	44	-
	1243	326	

**14F. Database management**

S.No	Database target	Database created
1	OFT	All data are uploaded in OLRs & MPR and AE-MPR in Farmers Portal
2	FLD	
3	Training	
4	Farmers visited to KVK	
5	Extension Activities	
6	Field Visit	
7	Farmers(SC,ST differently abled,Physically Challenged,FPOs ,Fisherfolks)	

**14G. Details on Rain Water Harvesting Structure and micro-irrigation system: Nil****(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.)		
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

## 15.1 Paramparagath Krishi Vikas Yojana (PKVY): Nil

Sl No.	Name of cluster village	Initial soil fertility status (Average of cluster village)				Facilities created for organic source of manure	Name of Crops cultivated	Variety	Organic inputs applied including bio-agents and botanicals treatment	Yield (q/ha)	Economics	
		Aval. N	Aval. P	Aval. K	OC %						Cost of cultivation (Rs/ha)	Net returns (Rs/ha)
1	1.	-	-	-	-	-	-	-	-	-	-	
	2.	-	-	-	-	-	-	-	-	-	-	
2	1.	-	-	-	-	-	-	-	-	-	-	
	2.	-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	

## 15.2 District Agriculture Meteorological Unit (DAMU) : Nil

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	-	-	-	-	-
2	-	-	-	-	-

## 15.3 Fertilizer awareness programme organised

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

## 15.4 Seed Hub: Nil

Crops	Variety	Year of release	Production				No of farmers benefited/Sold to no. of farmers	Quantity seed sold (q)
			Target (q)	Area (ha.)	Actual Production (q)	Category (FS/CS)		
-	-	-	-	-	-	-	-	

## 15.5 CFLD on Oilseeds: Nil

Sl.No.	Crop	Varieties demonstrated and check	Allocated		Implemented	
			Area (ha)	Demos (No.)	Area (ha)	Demos (No.)
-	-	-	-	-	-	-
	<b>Total</b>					

## 15.6 CFLDs on Pulses:

Sl.No.	Crop	Varieties demonstrated and check	Allocated		Implemented	
			Area (ha)	Demos (No.)	Area (ha)	Demos (No.)
-	-	-	-	-	-	-
	<b>Total</b>					

## 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 Tribal Sub-Plan (TSP):

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		OFT (No of Technologi ess)	Number of farmers involved			Participa nts in extension activities (No.)	Producti on of seed (q)	Producti on of Planting material (Numbe r in lakh)	Producti on of Livestoc k strains (Numbe r in lakh)	Producti on of fingerlin gs (Numbe r in lakh)	Testing of Soil, water, plant, manure s sample s (Numbe r)
No. of Trainings/De mos	No. of Farme rs	No. of Trainings/De mos	No. of Wome n Farme rs	No. of Trainings/De mos	No. of Yout hs	No. of Trainings/De mos	No. of Ext. Pers on		On- far m tria ls	Frontli ne demos	Mobil e agro- adviso ry to farme rs						
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## 15.10 SCSP

Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		OFT (No of Technologi ess)	Number of farmers involved			Participa nts in extension activities (No.)	Producti on of seed (g)	Producti on of Planting material (Numbe r in lakh)	Producti on of Livestoc k strains (Numbe r in lakh)	Producti on of fingerlin gs (Numbe r in lakh)	Testing of Soil, water, plant, manure s sample s (Number)
No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person		On-farm trials	Frontline demos	Mobil e agro-adviso ry to farmers						
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## 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
1568	17	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

## 15.13 KSHAMTA: Nil

Number of Adopted Villages	No. of Activities		No. of farmers benefited	
	Demo	Training	Demo	Training
-	-	-	-	-

## 15.14 DFI : Nil

Sl	District	Taluku	Villages	Farmers (No.)	Average Benchmark Income (Rs/year)	Crops/ enterprises	KVK Interventions	Additional Net Income generated due to KVK interventions (Rs/year)	Total income of farmer (Rs/year)
-	-	-	-	-	-	-	-	-	-

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

## 16.1 Farmers feedback on performance of crop varieties/hybrids

Sl. No.	Crop varieties/hybrids assessed/ demonstrated	Farmer's feedback
3	OFT-Assessment of Inflorescence die back and button shedding management in arecanut	Low disease incidence recorded due to application of IDM practices
4	FLD-Demonstration of Sahyadri Kempumukthi red rice variety for lowlands in Dakshina Kannada	Less number of chaffy grains compared to prevailing variety
5	FLD-Demonstration of Sahyadri Brahma red rice variety for midlands of Dakshina Kannada	Better straw yield compared to existing variety MO-4
6	FLD-Demonstration of Kaje-25-9 red rice variety for uplands of Dakshina Kannada	Lodging is noticed in the crop
13	FLD-Integrated Disease Management in Paddy	Integrated diseases management practices enhanced the yield and reduced disease incidence
14	FLD-Integrated management of spindle bug in arecanut	Integrated pest management approaches helps in reducing the pest incidence and this helped in better growth of the plant

## 16.2 Farmers feedback on performance of agronomic practices

Sl. No.	Agronomic practices	Farmer's feedback
-	-	-

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

Sl. No.	Pest and disease management in crops	Farmer's feedback
1	Assessment of inflorescence die back and button shedding management in arecanut	IDM practices helps in reducing the disease incidence by 75.29 % over check. Low disease incidence recorded due to application of IDM practices.
2	Integrated disease management in Paddy	Integrated diseases management practices enhanced the yield in demo plots by 30.21 % over check and also reduced the overall pest incidence (76.32 %).
3	Integrated management of spindle bug in arecanut	Integrated pest management approaches helps in reducing the pest incidence and this helped in better growth of the plant

### 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

Sl. No.	Livestock/fisheries technologies	Farmer's feedback
<b>a.</b>	<b>Livestock</b>	
1	Demonstration of the use of probiotics to enhance SNF and milk yield	<ul style="list-style-type: none"> <li>Improved body condition of the animal</li> <li>Improved Milk Yield, Fat% and SNF</li> <li>Cow shows early estrous symptom</li> </ul>
2	Demonstration of small ruminant mineral mixture on production performance in goats in coastal region	<ul style="list-style-type: none"> <li>Reduced disease incidence, morbidity and Mortality</li> <li>Increased average body up to 17.8 kg for six months</li> <li>Received good market price Rs. 350/kg live weight</li> </ul>
<b>b.</b>	<b>Fisheries</b>	
5	Feed based carp culture in farm ponds to enhance production	High production due to supplementary feeding .
6	Scientific production improvement by GIFT tilapia culture	Can harvest two crops in a year.
7	Evaluation on growth performance of <i>Murrels</i> in coastal farm ponds	It fetches high price due to its high nutritional value

## 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	Canara Bank	Nandinagar Branch, KVAFSU, Bidar 585401	-	SB	3158101000005	585015104	CNRB 0003158

With KVK	Canara Bank	Fisheries College Branch, Mangaluru-575002	B0008520	SB	8520101100857 (General) 8520101100918 (RF)	2011MCSB	CNRB0008520
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**17B. Utilization of KVK funds during the year 2022-23 (Rs. in lakh)**

S. No.	Particulars	Sanctioned	Released	Expenditure
<b>A. Recurring Contingencies</b>				
1	<b>Pay &amp; Allowances</b>	106.24000	106.24000	109.14740
2	<b>Traveling allowances</b>	2.40000	1.14463	1.25537
3	<b>Contingencies</b>			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	4.53000	4.53000	4.32696
B	POL, repair of vehicles, tractor and equipments	3.23000	3.23000	3.11455
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	0.80000	0.80000	0.68175
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.38000	0.38000	0.32766
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	4.43000	4.43000	3.99624
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1.15000	1.15000	1.10797
G	Training of extension functionaries	0.00000	0.00000	0.00000
H	Maintenance of buildings	1.10000	1.10000	0.79369
I	Establishment of Soil, Plant & Water Testing Laboratory	0.00000	0.00000	0.00000
J	Library	0.06000	0.06000	0.05410
K	Video Production	0.65000	0.65000	0.65000
L	Extension Activities	2.52000	2.52000	2.41781
<b>TOTAL (A)</b>		<b>127.99000</b>	<b>127.99000</b>	<b>128.25536</b>
<b>B. Non-Recurring Contingencies</b>				
1	<b>Works</b>	10.00000	10.00000	-
2	<b>Equipment including SWTL &amp; Furniture</b>	-	-	-
3	<b>Vehicle</b> (Four wheeler/Two wheeler, please specify)	-	-	-
4	<b>Library</b> (Purchase of assets like books & journals)	-	-	-
5	<b>Information Technology</b>	3.00000	3.00000	3.00000
6	<b>SCSP Programme</b>	2.65000	2.65000	1.65000
<b>TOTAL (B)</b>		<b>15.65000</b>	<b>15.65000</b>	<b>4.65000</b>
<b>C. REVOLVING FUND</b>		-	-	-
<b>GRAND TOTAL (A+B+C)</b>		<b>143.64000</b>	<b>143.64000</b>	<b>132.90536</b>

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

Year	Opening balance as on 1 <sup>st</sup> January	Income during the year	Expenditure during the year	Net balance in hand as on 31 <sup>st</sup> December of each year
January to December 2021	0.99	12.13	12.35	0.77
January to December 2022	0.77	13.30	13.20	0.87
January to December 2023	0.87	10.83	8.52	3.18

**18. Details of HRD activities attended by KVK staff**

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
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Mr. Harish Shenoy	Assistant Professor of Agronomy	ag.MOOCs on Agricultural Statistics in Practice (6 weeks )	Common Wealth of Learning and (COL) Canada and IIT Kanpur	11.07.2023 to 31.08.2023
		ag.MOOCs on practical animal nutrition for augmenting livestock and poultry productivity.(6 weeks )	Common Wealth of Learning and (COL) Canada and Tamilnadu Veterinary and Animal Sciences University (TANUVAS), Chennai.	19.12.2023 to 23.12.2023
		Orientation Training to the Master Trainers for ‘ Safe and Judicious use Glyphosate’ by PCOs online one day	NIPHM, Hyderabad (online mode )	23.06.2023
		IDP sponsored 5 days national capacity building programme on Natural farming : present status and future prospects.	Keladi Shivappa Nayaka, UAHS, Shivamogga,	19.12.2023 to 23.12.2023
		First international Agriculture conference on Natural Vs Organic farming : in context of Bharateeya Agriculture held in hybrid mode (Zoom )	Bagadpur Krishi Bhavan Moradabad UP	24-12-2023 to 25-12-2023
		Special lecture on Field Research by Dr. Swathi Nayak IIRI- Norman Borlaug Awardee	Vigyan Vartha -an international e-magazine	19-11-2023
Dr. Mallikarjuna L	Scientist (Soil Science)	MOOC,S e-Extension in Agriculture and Allied Sectors (Online)	MANAGE, Hyderabad	15.6.2023 to 19.06.2023
		MOOC,S Agricultural statistics in practice (Online)	IIT Kanpur	11.07.2023 to 31.08.2023
		First Global symposium on Farmers rights	ICAR, PPVFRA, FAO, ITPGRFA	11.09.2023 to 15.09.2023
		MOOC on Digital Teaching Techniques	ICAR- NAARM	1.10.2023 to 31.10.2023
Dr. Rashmi R.	Scientist (Horticulture)	online MOOCs Programme on eExtension in Agriculture and Allied Sector	MANAGE, Hyderabad	15.06.2023 to 19.06.2023
		Workshop on Management of Emerging Pests and Diseases of Coconut and Arecanut in Monsoon	ICAR-CPCRI, Kasargod	30.06.2023

		ag.MOOCs on Agricultural Statistics in Practice.	Common Wealth of Learning and (COL) Canada and IIT Kanpur	11.07.2023 to 31.08.2023
		Sustainable Soil Management	National Institute of Agricultural Extension Management (MANAGE) Rajendranagar, Hyderabad, Telangana - 500 030, India.	01.11.2023 to 31.12.2023
Dr Kedarnath	Scientist (Plant Protection)	Teaching Learning Evaluation Technology Programme TLETP 202	Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya (RVSKVV), Gwalior, Madhya Pradesh – 474002 & National Agriculture Development Cooperative LTD. (NADCL), Baramulla, J & K – 193103	05.04.2023 to 25.04.2023
		MOOCs on practical animal nutrition for augmenting livestock and poultry productivity	Commonwealth of Learning (COL), Canada and Tamil Nadu Veterinary and Animal Sciences University (TANUVAS), Chennai, India	11.07.2023 to 31.08.2023
		MOOCs on Integrated Pest Management (IPM)	Commonwealth of Learning (COL), Canada and University of Agricultural Sciences Raichur	11.07.2023 to 15.09.2023
		Digital Teaching Technology (E-Learning)	ICAR-National Academy of agricultural Research Management Hyderabad	01.10.2023 to 31.10.2023
		Sustainable Soil Management	National Institute of Agricultural Extension Management (MANAGE) Rajendranagar, Hyderabad, Telangana - 500 030, India.	01.11.2023 to 31.11.2023
		Teaching Learning Centre Ramanujan College, University of Delhi	online Inter-Disciplinary two-week Refresher Course in “Managing Online Classes & Co- creating MOOCs 26.0”	May 2023
Dr. Shivakumar, R.	Assistant Professor (Veterinary)	e-Extension in Agriculture and allied sectors	MANAGE, Hyderabad	15-19 June, 2023 (Five Days)
		National Seminar on “Evolving extension science towards secondary agriculture for sustainable development”	UAS Bengaluru and Indian society of Extension education, New Delhi	July-2023
		Practical Animal Nutrition for augmenting livestock and Poultry productivity	agMOOCs	July-2023
		Prospectus and application of Artificial Intelligence in Livestock sector	MANAGE	July-2023

		Practical Animal Nutrition for augmenting livestock and Poultry productivity	agMOOCs	August-2023
		Digital teaching Techniques	NAARM	October-2023
Dr. Chethan N.	Scientist (Fisheries)	International Conference (IAAHAS-2023) on " <i>Innovative Approaches in Agriculture, Horticulture &amp; Allied Sciences</i> ".	SGT UNIVERSITY, GURUGRAM (ICAR Accredited), Just Agriculture Education Group & ISAHRD Society, Chandigarh	29.03.2023 to 31.03.2023
Dr Ravindragouda Patil	Assistant Professor (Fisheries)	One Day Workshop on "Ensuring the Sustainable Growth of Fisheries Sector in Karnataka:Challenges and Opportunities	College of Fisheries , Mangaluru	09.12.2023
		Two days Online Training program on " Fundamentals concepts of Bioinformatics in Biological Sciences"	Lakhimpur College of Veterinary Science, AAU, Lakhimpur, Assam	21.12.2023 to 22.12.2023

19. Please include any other important and relevant information which has not been reflected above (write in detail).

## 2022 OFT & FLDs Result

### OFT Result -2022

#### 4.C1. Results of Technologies Assessed

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
Udupi Jasmine	Rabi	Pruning techniques not followed low yield during off season and high incidence of sucking pests	Assessment of pruning time in Udupi Jasmine	05	T.O.1 : Pruning of dead and diseased branches only, INM:Use of ground nut cake and FYM 10 to 20 kg per plant.	Farmers Practice	2.02	flower yield 0.44 kg/plant	<b>100 flower weight (g)</b> 9.20	155579	80479	2.07
					T.O.2 : Time of Pruning : November at a height of 50 cm from ground level, INM: (FYM10kg/plant), RDF 120:240:240 N:P2O5:K2O g/ plant in two splits, Foliar spray of micronutrient ZnSO40.25% +	TNAU, Coimbatore	<b>3.23</b>	<b>0.87</b>	<b>10.60</b>	<b>265690</b>	<b>170630</b>	<b>2.79</b>

					MgSO40.5% + FeSO 40.5%															
					T.O.3 : Time of Pruning: Mid December, at a height of 90 cm from ground level INM:(FYM10kg/ plant) RDF100:150:100N:P2O5:K2Og/plant in 3 split doses	ICAR-IIHR, Bengaluru	3.02	0.73	10.21	224479	132519	2.42								
					T.O.4 : Time of Pruning: January at a height of 60cm from ground level INM:(FYM20kg/plant) RDF 120:240:240 N: P2O5:K2Og/ plant in six splits	UHS, Bagalkot	2.02	0.69	10.02	215080	122020	2.31								
Fisheries	Slow growth of locally available species and non availability of high value, fast growing species which can fetch high price in the local market	Evaluation of growth performance of Murrels in coastal farm ponds	06	T.O.1 : • Farming Carps: Duration-1 year • Manuring: Std. Protocol • Stocking: @ 1 fish seeds/m <sup>2</sup> • Feed: Rice bran and GOC@4% of body weight	Farmers practice	7.2	Tonnes/Ha.	-	1440000	720000	2.00									
				T.O.2 : • Striped murrel ( <i>Channa striatus</i> ) • Duration-1 year • Pond: Earthen and lined • Stocking: @ 1-2 fish seeds/m <sup>2</sup> • Feed: Pelleted feed @ 5% of body weight	CIFA, Bhubaneshwar	6.6	Tonnes/Ha.	-	2310000	900900	1.6									
				T.O.3 : • Giant murrel ( <i>Channa marulius</i> ) • Duration-1year • Pond: Earthen and cement cistern • Stocking: @ 1 fish seeds/m <sup>2</sup> • Feed: Pelleted feed @ 5% of body weight	CIFRI, Barakpur	7.1	Tonnes/Ha.	-	2485000	944300	1.61									

### 5.B. Results of FLDs

#### 5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)			Check	% Increase	Economics of demonstration (Rs./ha)			Economics of demonstration (Rs./ha)		
							Demo					Gross Return	Net Return	BCR	Gross Return	Net Return	BCR
							H	L	A								
Vegetables	Integrated crop management in Okra	Halu Bhendi	-	Irrigated	10	2	-	-	115.50	87.00	32.76	383865	338530	3.74	278657	234180	3.06
	Demonstration of Ridge gourd	Arka Prasanna	-	Irrigated	10	2	-	-	226.13	186.50	21.24	203517	112267	2.23	167850	78196	1.87
	Demonstration of high yielding Yard Long Bean	Arka Mangala	-	Irrigated	10	2	-	-	218.50	161.30	31.18	423140	303140	3.53	322650	207650	2.81

FLD Result 2022

#### 5.B.3. Livestock and related enterprises

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Name of the parameter with unit	Yield (kg/animal)			% Increase	*Economics of demonstration Rs./unit)			*Economics of check (Rs./unit)			
						Demo		Check if any		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR	
						H	L									A
Dairy	Demonstration of the use of probiotics to enhance SNF and milk yield	-	10	-	Duration: 6 months. 1.Milk yield recording 2.Recording of SNF and Fat percentage 3.Disease incidences	-	-	SNF 8.6% Fat: 3.5%	SNF 8.2% Fat: 3.2%	-	376	306	5.37	280	220	4.6
Sheep and goat	Demonstration of small ruminant mineral mixture on production performance in goats in coastal region	-	10	-	Weight gain % in kids, Incidence of disease, Twinning/Triplet percentage, Mineral deficiency symptom incidences and B:C Ratio	-	-	17.8	13.5	31.8	56000	15700	1.38	37800	2400	1.06

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= Gross Return/Gross Cost

#### 5.B.5. Fisheries Results of FLDs

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	Units/ Area (m <sup>2</sup> )	Name of the parameter with unit	Yield (q/ha)			% Increase	*Economics of demonstration (Rs./unit)			*Economics of check (Rs./unit)			
						Demo		Check if any		Gross Return	Net Return	** BCR	Gross Return	Net Return	** BCR	
						H	L									A
Others IMC	Feed Based carp culture in farm ponds to enhance production	Indian Major Crops	3	3000	Tonnes/ha.	74	69	71.5	43.87	63	72000	36000	2.0	42000	16800	1.60
Others GIFT Tilapia	Production improvement by GIFT tilapia culture	GIFT Tilapia	3	3000	Tonnes/ha.	85	70	78	43	81.4	87400	39330	1.81	63200	18200	1.4

\* 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

Sd/-  
Senior Scientist and Head