




Annual Report 2022

ICAR - Krishi Vigyan Kendra, North Goa

ICAR - Central Coastal Agricultural Research Institute

Ela, Old Goa, Goa - 403 402

Annual Report 2022

Edited by

H. R. C. Prabhu
Suntera Talaulikar
Monica Suresh Singh
Vishwajeet Prajapati

Published by

Parveen Kumar
Director
ICAR - CCARI, Goa

ICAR - Krishi Vigyan Kendra, North Goa
ICAR - Central Coastal Agricultural Research Institute
Ela, Old Goa, Goa - 403 402

Content

Annual Progress Report 2022
ICAR – KVK, North Goa
(January to December 2022)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address with PIN code	Telephone		E mail	Website address & No. of visitors (hits)
ICAR - KVK, North Goa ICAR – CCARI Ela, Old Goa, Taluka – Tiswadi, Dist. – North Goa, Goa - 403 402	Office 0832-2996895	FAX -	pckvknorthgoa@gmail.com kvknorthgoa@icar.gov.in pckvk.ccari@icar.gov.in	www.kvknorthgoa.icar.gov.in (75114 hits)

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

Address	Telephone		E mail	Website address
	Office	FAX		
ICAR – Central Coastal Agricultural Research Institute Ela, Old Goa, Taluka – Tiswadi, District – North Goa , Goa – 403 402	0832-2993097	-	director.ccari@icar.gov.in	www.ccari.icar.gov.in

1.3. Name of the Senior Scientist and Head with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Shri H. R. Chidananda Prabhu Senior Scientist and Head Incharge	0832-2996895	-	pckvknorthgoa@gmail.com

1.4. Year of sanction: 1983

1.5. Staff Position (as on 31 December, 2022)

				If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs./month)
Sl. No.	Sanctioned post	Name of the incumbent	Discipline	Current Level	Current Index	Date of joining	
1.	Senior Scientist and Head	Vacant	-	-	-	-	-
2.	Subject Matter Specialist	Vacant	Horticulture	-	-	-	-
3.	Subject Matter Specialist	Vacant	Agronomy	-	-	-	-
4.	Subject Matter Specialist	Mr. H.R. Chidananda Prabhu	Plant Protection	12	18	02-09-1995	Permanent

5.	Subject Matter Specialist	Mrs. Sunetra M. Talaulikar	Home Science	12	18	26-12-1987	Permanent
6.	Subject Matter Specialist	Dr. Monica Suresh Singh	Agril. Extension	11	6	18-03-2019	Permanent
7.	Subject Matter Specialist	Dr. Sanjaykumar Udharwar	Animal Science	11	7	02-09-2014	Permanent
8.	Programme Assistant	Mr. Shashi Vishwakarma	Soil Science	7	4	20- 12-2010	Permanent
9.	Computer Programmer	Mr. Vishwajeet Prajapati	Computer Science	7	4	27–12-2010	Permanent
10.	Farm Manager	Vacant	-	-	-	-	-
11.	Accountant / Superintendent	Mr. Vishwas Sharma	B.E.	6	7	21-05-2012	Permanent
12.	Stenographer	Vacant	Stenography	-	-	-	-
13.	Driver 1	Vacant	-	-	-	-	-
14.	Driver 2	Mr. Dilkush Velip	-	4	4	26-03-2012	Permanent
15.	Supporting staff 1	Vacant	-	-	-	-	-
16.	Supporting staff 2	Vacant	-	-	-	-	-

1.6. Total land with KVK (in ha) : 20 ha

S. No.	Item	Area (ha)
1	Under Buildings	2.00
2.	Under Demonstration Units	3.00
3.	Under Crops	1.00
4.	Horticulture	8.75
5.	Pond	0.50
6.	Nursery	1.00
7	Fodder plot	1.75
8	Under Buildings	2.00

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	2005	495	43.79	-	-	Completed
2.	Farmers Hostel	ICAR	2001	134.275	23.55	-	-	Completed
3.	Staff Quarters (6)	-	-	-	-	-	-	-
4.	Demonstration Units (2)							
	1.Buffalo Unit	Host Institute	2006	100	08.32	-	-	Completed

	2. Goat Unit	Host Institute	2006	90	10.08	-	-	Completed
	3. Poultry Unit	Host Institute	2006	100	-	-	-	Completed
	4.Vermi compost Unit	Host Institute	2006	100	01.36	-	-	Completed
	5.Nursery Unit	Host Institute	2003	10000	-	-	-	Completed
	6. Roof water harvesting Unit	Host Institute	2006	761	-	-	-	Completed
	7. Polyhouse(2 nos.)	RKVY	2012	10000	19.977	-	-	Completed
	8. IATM	RKVY	2012	750	54.00	-	-	Completed
	9. VCO Production Unit	RKVY	2013		10.00	-	-	Completed
5	Fencing							
6	Rain Water harvesting system	KVK	2013	750	10.00	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-
9	ICT lab	-	-	-	-	-	-	-
10	Other	-	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Hero Honda – Splendor GA-07-G-0085	2008- 09	38,000/-		Needs replacement
Chevrolet Tavera GA-07-G-0211	2010-11	6,01,500/-		Condemned
Tractor with trolley	2019-20	8,93,183/-		Good

C) Equipments & AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
SOIL SCIENCE LAB. EQUIPMENTS			
Spectro photometer	2005	48,828	Under condemnation process
Shaker (two)	2005	73,216	Good
Hot plate	2005	2,967	Under condemnation process
Flame Photometer	2012	49,992	Under condemnation process
Atomic Absorption Spectrophotometer	2012	9,96,213	Under condemnation process

Total		**11,71,216/-**	
OTHER EQUIPMENTS			
Computer	2006	46,000	Under condemnation process
Motor and pumps	2010	88,644	Good
LCD projector & Computer	2007	97,860	Under condemnation process
FAX machine	2009	15,000	Under condemnation process
Total		**2,47,504/-**	
AUDIO VISUAL AIDS			
Slide Projector	1995	10,715	Under condemnation process
Overhead Projector	1995	12,300	Under condemnation process
Tri pod screen for slide / overhead / LCD projector	1996	4,780	Under condemnation process
Collar mike	2009	1,687	Under condemnation process
Tri pod screen (wall mounting spring loaded screen)	2009	9,225	Good
Digital Camera	2009	8,990	Under condemnation process
Digital Camera	2010	24,990	Under condemnation process
Canon IR Copier / printer	2017	96,000	Good
Total		**1,68,687/-**	
TRAINEE'S HOSTEL FURNITURE			
Beds / Cots (16)	2006	65,600	Good
Chairs (36)	2006	61,920	Good
Total		**1,27,520/-**	

1.8. Details of SAC meetings conducted in the year 2022-2023

Date	Name and Designation of Participants	Salient Recommendations	Action taken
30-01-2023		To conduct FLD of Arka Rakshak variety	FLD will be taken during Rabi 2023

	1. Dr. Parveen Kumar, Director, ICAR – CCARI, Ela, Old Goa 2. Dr. Milind R. Bhirud, Chief General Manager, NABARD, Goa 3. Mr. Shivananda Wagle, De Director of Agricul Directorate of Agriculture, G 4. Mr. Chandrahas Desai, Managing Director, GSHCL, Goa 5. Dr. M A Bale, Manager, Goa State Co-op. Milk Producers' Union LTD, Ponda-Goa 6. Dr. Shirish S. B., Assistant Director, AH&VS, Panaji, Goa 7. Mr. Kishore Bhave, Project Director ATMA, North Goa, Goa 8. Mr. Jitendra J Bhide, Goa Bagayatdar, Ponda, Goa 9. Mr. Pratish G, Bio Diversity, Panaji, Goa 10. Mr. R. Kadam, AIR, Panaji, Goa 11. Dr. Laxman N Sawant, SMS, KVK, South Goa 12. Dr. Hrishikesh Pawar, SMS, KVK, South Goa 13. Ms. Janice Alphonso, SMS, KVK, South Goa 14. Mrs. Vismitha Marate, SMS, KVK, South Goa 15. Smt. Kalindi Salgaonkar, Progressive Farm Women, Parra, Bardez 16. Smt. Madhavi Gawas, Progressive Farm Women, Taleigao, Tiswadi	To conduct capacity building programme on mud crab fattening to be conducted before March 2023.	Training programme was conducted on 10th March, 2023 in collaboration with KVK South Goa
		OFT on minor millets with finger millet as check.	As per the instruction during Annual Action Plan workshop OFT was converted in FLD and will be taken during Kharif, 2023
		Demonstration on value addition of millets	Three demonstrations on value addition of millets were taken during April, 2023
		Exploring the possibility of exposure visits for farmers in collaboration with ATMA – North Goa	Exposure visits for farmers in collaboration with ATMA – North Goa during Nov-Dec, 2023
		Training and Demonstration on Brinjal grafting techniques with Dr. R. Ramesh, Principal Scientist, ICAR – CCARI, Goa	Training and Demonstration on Brinjal grafting techniques will be taken up during August, 2023

	17. Mr. Omu Gawas, Progressive Farmer, Pilar, Tiswadi 18. Mr. Manohar Mahadev Naik, Progressive Farmer, Pilar, Tiswadi 19. Mr. Deelip Narulkar, Progressive Farmer, Hassapur, Pernem 20. Dr. A. R. Desai, Pr. Scientist, ICAR – CCARI, Ela Old Goa 21. Dr. V. Arunachalam, Pr. Scientist, ICAR – CCARI, Ela Old Goa 22. Dr. R. Ramesh, Pr. Scientist, ICAR – CCARI, Ela Old Goa 23. Dr. Mathala Juliet Gupta, Sr. Scientist, ICAR – CCARI, Ela Old Goa 24. Dr. Shirish D Narnaware, Sr. Scientist, ICAR – CCARI, Ela Old Goa 25. Dr. Gokuldas PP, Sr. Scientist, ICAR – CCARI, Ela Old Goa 26. Dr. Manohara K. K. Sr. Scientist, ICAR – CCARI, Ela Old Goa 27. Dr. Gopal Mahajan, Sr. Scientist, ICAR – CCARI, Ela Old Goa 28. Dr. Susitha Rajkumar, Sr. Scientist, ICAR – CCARI, Ela Old Goa 29. Dr. Maruthadurai, Sr. Scientist, ICAR – CCARI, Ela Old Goa 30. Dr. Bappa Das, Scientist, ICAR – CCARI, Ela Old Goa		

	31. Dr. Sujeet Desai, Scientist, ICAR – CCARI, Ela Old Goa 32. Dr. Amiya Ranjan Sahu, Scientist, ICAR – CCARI, Ela Old Goa 33. Dr. Nibedita Nayak, Scientist, ICAR – CCARI, Ela Old Goa 34. Mr. Trivesh Mayekar, Scientist, ICAR – CCARI, Ela Old Goa 35. Dr. Uttappa A. R. Scientist, ICAR – CCARI, Ela Old Goa 36. Mr. HRC Prabhu, Sr. Scientist and Head I/C, KVK-North Goa 37. Mrs. Sunetra M. Talaulikar, SMS (Home Science) KVK-North Goa 38. Dr. Monica Singh, SMS (Agri. Extn.) KVK-North Goa 39. Mr. Rahul Kulkarni, ACTO, KVK-North Goa 40. Mr. Vishwajeet Prajapati, Technical Officer (Computers), KVK-North Goa		

2. DETAILS OF DISTRICT / JURISDICTION AREA OF KVK

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

S. No	Farming system/enterprise	Names of talukas covered
1.	Rice–Rice / Groundnut / Pulses (Cowpea , long bean) / Vegetables (brinjal, chilli, okra, amaranths, radish, cucurbits, sweet potato, knol khol, cluster bean, etc)	Tiswadi, Bicholim, Pernem, Sattari, Bardez,
2.	Hill Cucurbits during Kharif	Sattari, Bicholim

3.	Coconut mixed crop with spices (pepper, nutmeg, clove, cinnamon, ginger, turmeric) or banana	Tiswadi, Bicholim, Pernem, Sattari, Bardez
4.	Arecanut mixed crop with spices (pepper, nutmeg, clove, cinnamon)	Tiswadi, Bicholim, Pernem, Sattari, Bardez
5.	Cashew + pineapple. Mango	Tiswadi, Bicholim, Pernem, Sattari, Bardez
6.	Dairy, poultry, piggery, fishery	Tiswadi, Bicholim, Pernem, Sattari, Bardez

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

a. Soil type

Sl. No.	Agro-climatic Zone	Characteristics
1	Coastal	Hillock neighboring Arabian sea

b. Topography

S. No.	Agro ecological situation	Characteristics
1	Hilly and coastal	Laterite and sandy loam soil, Average rainfall 3000 mm / annum

2.3. Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Harmal	Very deep, light grey to brown sand surface soil	1.0728
2	Mandovi	Deep grayish brown to very dark grayish brown	1.027
3	Panaji	Moderately deep, light brownish grey to dark grayish brown	0.641
4	Kalangute	Deep, very dark brown to dark grey	3.654
5	Padi	Moderately deep, brown to dark yellowish brown	0.105
6	Batim	Deep yellowish brown to dark yellowish brown	8.537
7	Gudi	Deep, light yellowish brown to dark yellowish brown	2.121
8	Pali	Moderately deep, dark yellowish brown	6.996
9	Rock out crops	Builders of basal	0.161
10	Surla	Moderately deep brown to dark brown	1.686

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

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Paddy	34261 (Kharif) 17930 (Rabi)	117206881 (Kharif) 65318990 (Rabi)	34.21 (K) 36.43 (R)
2	Pulses	11477	11258937	9.81

3	Sugarcane	1034	56027290	541.85
4	Coconuts	25545	127571730	4994 Nos.
5	Arecanuts	1677	2666430	15.90
6	Cashew nuts	55612	21966740	3.95
7	Mango	4494	18892776	42.04
8	Banana	2398	23478818	97.91
9	Vegetables	5547	56024700	101.00
10	Groundnut	3720	6997320	18.81

Authentic Source (State / Central Govt): **Goa Statistics, Govt. of Goa.**

2.5. Weather data (2022)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January	0.0	32.2	19.4	83.6	41.6
February	0.0	33.9	19.5	90.1	41.1
March	0.3	35.6	23.6	83.6	49.1
April	51.2	35.2	25.0	86.1	55.4
May	99.6	33.7	25.9	89.0	62.6
June	700.6	31.1	23.9	93.0	78.4
July	1098.3	29.5	23.4	94.0	82.7
August	347.6	29.7	22.9	94.0	79.6
September	276.8	30.2	22.5	94.6	73.7
October	71.3	32.5	21.7	90.0	58.7
November	0.0	34.3	21.2	82.2	46.6
December	2.2	34.6	21.0	86.0	41.6
Total	**2647.9**	-	-	-	-

Source: District agriculture department.

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

Category	Population (Nos.)	Production	Productivity
Cattle			
Crossbred	9,604	1.00 Lakh liters (State Production of all Milk animals)	
Indigenous	27,808		
Buffalo	21,956		
Sheep			
Indigenous	116		
Goats	5,629		
Pigs	13,411		
Crossbred	895		
Indigenous	12,516		
Rabbits	744		

Poultry			
Backyard poultry	46,703	149 million eggs (State production of all poultry birds)	95 eggs (Avg. state of all laying poultry birds)
Below 5 Months	70,576		
Layer / Boiler farm	2,26,350		
Hens	13,497		
Desi	13,623		
Improved	1,259		
Ducks	188		
Turkey and others	46		
Category		Production (Q.)	Productivity
Fish (Reservoir)			
Fish (Farm ponds)			

2.7. Details of Operational area / Villages

Taluka	Name of the block	Name of the village
Pernem Bardez Sattari	Pernem Bardez Sattari	Mandre, Morjiem Assanora, Corjuem, Parra Nagargaon, Mauxi, Sancordem

Major crops & enterprises	Major problem identified	Identified Thrust Areas
Rice-cowpea, Vegetables. Coconut, Cashew, Mango. Banana. Marigold, Dairy, poultry, Piggery, Goatery. Papad making, Crafts.	**SOIL** ▪ Acidic soil ▪ Poor soil fertility & waste land (Mining rejected soil) ▪ Soil fertility degradation ▪ . ▪ Soil and water erosion.	• Soil reclamation through amendments. • Soil fertility management through INM, organic farming. • Recommendation of plant nutrient on soil test based report (Soil Health Card). • Conservation farming through growing cover crops and green manure crops, mulching organic waste.
	RICE ▪ Monocropping, Fallow land ▪ Salt affected soil ▪ Poor yielding varieties. ▪ Imbalanced nutrients use ▪ Pest and Disease problem	▪ Multiple cropping. ▪ Popularizing salt tolerant variety ▪ Varietal evaluation ▪ INM ▪ IPM
	CASHEW ▪ Poor yielding varieties ▪ TMB, CSRB pests ▪ Underutilization of interspaces in newly plantations ▪ Lack of value addition & processing ▪ Imbalanced nutrients use	▪ Popularizing high yielding varieties. ▪ IPM ▪ Intercropping ▪ Value addition (squash, candy crunch) ▪ INM

	COCONUT ▪ Underutilization of interspaces ▪ RPW, mite pests ▪ Post harvest losses ▪ Imbalanced nutrients use	▪ Intercropping ▪ IPM ▪ Value addition (Virgin Coconut Oil) ▪ INM
	MANGO ▪ Alternate bearing & Old plantation ▪ Imbalanced nutrients use ▪ Post harvest losses	▪ ICM of improved grafted varieties ▪ INM ▪ Value addition
	VEGETABLES ▪ Low margin of profits from traditional vegetable crops/varieties & lack of diversification ▪ Lack of value addition & processing ▪ Imbalanced nutrients use ▪ Pest and Diseases ▪ Pesticide residual problem	▪ ICM of improved varieties/ High value crops/ technologies – Precision farming techniques. ▪ Value addition ▪ INM ▪ IPM ▪ Organic Farming
	ANIMALS ▪ Non availability of fodder round the year ▪ Imbalanced feed management ▪ Non descript local breeds ▪ Infertility in cattle ▪ Unhygienic milk production	▪ Hybrid Napier grasses Popularization– CO5 ▪ Scientific Feed management through capacity building ▪ Popularization of Improved breeds / cross breeds ▪ Fertility management ▪ Quality milk production
	BIRDS ▪ Non descript local breeds ▪ Poor feed management	▪ Popularization of Grampriya / Srinidhi / CARI-Nirbheek birds ▪ Balanced feeding using locally available ingredients
	OTHERS ▪ Lack of awareness ▪ Non utilization of leisure period ▪ Poor income form agriculture ▪ Small holdings ▪ Irrigation during rabi & summers ▪ High labour cost & its non availability & Drudgery in agricultural operations	▪ Awareness programmes/ capacity building ▪ Entrepreneurship development ▪ Value addition / Post harvesting, Income generating activity ▪ Intensive farming/ improvement in production/ productivity & income. ▪ Water harvesting & management ▪ Farm mechanization

2.8. Priority thrust areas:

S. No	Thrust area
1.	Varietal Evaluation in Paddy
2.	Popularization of High yielding salt tolerant Rice variety
3.	Popularization of value addition in Millets
4.	Popularization of Cowpea
5.	Varietal Evaluation in Tomato
6.	Varietal Evaluation in Brinjal
7.	Varietal Evaluation in Amaranthus
8.	Popularization of Onion
9.	Popularization of Yard Long Bean
10.	Popularization of Sweetcorn
11.	Cashew Stem and Root Borer Management
12.	Popularization of High yielding Cashew varieties
13.	Breed Evaluation in Poultry
14.	Varietal Evaluation in Fodder variety

3. TECHNICAL ACHIEVEMENTS

3.1. A. Details of target and achievements of mandatory activities

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
7	7	28	28	08	12	80	141

Training				Extension Programmes			
3				4			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
50	53	1200	1423	2000	2357	11000	13288

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
5.0	5.17	2000	2196

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
10000	11592	Vermicompost - 4500	4690
-	-	Earthworms - 6.0	8.3

3.1. B. Operational areas details during the year 2020

S.No.	Major crops & enterprises being practiced in	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training,

	cluster villages		**in the district**		**extension activity etc.)***
6.1	Soil	• Acid / Saline soil • Poor soil health & waste land • Soil fertility degradation. • Soil and water erosion. • Mine reject soil	79908 ha of which 15-20%	Mandre, Morjiem Assanora, Corjuem, Parra, Nagargaon, Mauxi, Sancordem	Training / Demonstration
6.2	Rice	• Poor yielding local varieties. • Imbalanced nutrients use • Leaf mold in rice • Post harvest losses	26889 ha of which 25-30%		Training / Demonstration
6.3	Cashew	• TMB, CSRB pests • Underutilization of interspaces' in newly plantations till start of fruiting. • Lack of value addition & processing. • Old and Senile orchards	40586 ha of which 50-60%		Training / Demonstration
6.4	Coconut	• Underutilization of interspaces' • RPW, mite pests • Post harvest losses. • Old and saline orchard.	11310 ha of which 60-70%		Training / Demonstration
6.5	Mango	• Alternate bearing & Old plantation • Imbalanced nutrition • Post harvest losses. • Imbalanced nutrient. • Old and saline orchards. • Fruit fly • Loranthus	60-70 %		Training / Demonstration
6.6	Vegetables	• Low margin of profits from traditional vegetable crops/varieties. • Lack of diversification. • Lack of value addition & processing.	3360 ha of which 50-55%		FLD, Training / Demonstration

		• Improper nutrient. • Improper management.			
6.7	Chilli	• Root rot disease • Closer spacing • Improper nutrient • Improper management • Low Yielding • Local Variety • Thrips and Viral Diseases	55-60 %		Training / Demonstration
6.8	Brinjal	• Wilt disease • Use of own seed • Improper nutrient • Improper management	50-55%		OFT, Training / Demonstration
6.9	Cucurbit	• Fruit fly pest & leaf spot disease • Use of own seed • Improper nutrient • Improper management	50-55%		Training / Demonstration
6.10	Onion	• Low yield local variety • Improper management • Improper nutrient management	50-55 %		Training / Demonstration
6.11	Okra	• YVMV disease • Use of own seed • Improper nutrient • Improper management	50-55%		Training / Demonstration
6.12	Sweet Potato	• Sweet potato weevil • Poor yielding local varieties • Improper nutrient • Improper management	50-55%		FLD, Training / Demonstration
6.13	Animals	• Non availability of fodder round the year • Imbalanced nutrition • Non descript local breeds	60-65%		FLD, Training / Demonstration
6.14	Birds	• Non descript local breeds • Imbalanced nutrition	50-55%		OFT, Training / Demonstration

6.15	Other	• Lack of awareness • Non utilization of leisure period • Poor income from agriculture and small holdings • Irrigation during rabi & summers. • High labour cost & its non availability. • Drudgery in agricultural operations. • Post harvest loses • Lack of value addition	50-55%		FLD, Training / Demonstration

3.2. Technology Assessment (Kharif 2021, Rabi 2020-21, Summer 2022)

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

Thematic areas	Cereals	Oilseeds	Pulses	Vegetables	Fruits	Flower	Plantation crops	TOTAL
Integrated Nutrient Management								
Varietal Evaluation	2			3				**5**
Integrated Pest Management								
Integrated Crop Management								
Integrated Disease Management								
Small Scale Income Generation Enterprises								
Weed Management								
Resource Conservation Technology								
Farm Machineries								
Integrated Farming System								
Seed / Plant production								

Value addition								
Drudgery Reduction								
Storage Technique								
Mushroom cultivation								
Total	**2**			**3**				**5**

A2. Abstract on the number of technologies assessed in respect of livestock enterprises

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds		1				**1**
Nutrition Management						
Disease of Management						
Value Addition						
Production and Management						
Feed and Fodder	1					**1**
Small Scale income generating enterprises						
TOTAL	**1**	**1**				**2**

B. Achievements on technologies Assessed

B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trial covering all the Technological Options)
Integrated Nutrient Management					
Varietal Evaluation	Paddy	Assessment of Salt Tolerant varieties of Paddy	05	05	0.5
	Finger Millet	Assessment of Finger millet variety	05	05	0.5
	Tomato	Assessment of Tomato varieties / hybrids resistant to bacterial wilt	05	05	0.5
	Brinjal	Assessment of Goa brinjal-1 and Goa brinjal-2	05	05	0.5
	Amaranthus	Assessment of yield potential of Red Amaranthus varieties	05	05	0.5
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					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total			**25**	**25**	**2.5**

B.2. Technologies assessed under Livestock and other enterprises

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds	Poultry	Assessment of improved poultry varieties	05	05
Nutrition management				
Disease management				
Value addition				
Production and management				
Feed and fodder	Dairy	Assessment of hybrid Napier fodder varieties	05	05
Small scale income generating enterprises				
Total			10	10

B.3 Technologies assessed under other enterprises

Name of Enterprises	Name of the technology assessed	No. of trials	No. of farmers
Mushroom			
Apiary			
Vermicompost			

Tailoring			
Nutrition Garden			
Nursery Management			
Production and Management			
Entrepreneurship development			
Energy conservation			
storage techniques			
House hold food security			
organic farming			
mechanization			
Bee keeping			
Seed production			
post-harvest management			
other			

B 4.Technologies assessed under Women empowerment assessment

Name of Enterprises	**Name of the technology assessed**	**No. of trials**	**No. of farmers**
Drudgery Reduction			
Entrepreneurship development			
Health and Nutrition			
value addition			
Kitchen gardening			
nutrition security			
other			

C1.Results of Technologies Assessed

Results of On Farm Trial

Crop/ enterprise	Farming situation	**Problem definition**	Title of OFT	No. of trials	Technology Assessed
1	2	3	4	5	6
Paddy	Rice based farming	Low productivity in salt affected soils	05	05	T0 : Korgut T1 : Goa Dhan 3 T2 : Goa Dhan 4
Finger Millet	Rice based farming	Low productivity	05	05	T0 : Local T1 : KMR-301 T2 : GPU-67
Tomato	Rice based farming	Low productivity due to high incidence of bacterial wilt	05	05	T0: Local variety T1: Arka Rakshak T2: Konkan Vijay

Brinjal	Rice based farming	Low productivity and due to wilting in local brinjal plants	05	05	T0 : Local T1: Goa Brinjal - 3 T2 : Goa Brinjal - 5
Amaranthus	Rice based farming system	Assessment of yield potential of Red Amaranthus varieties	05	05	FP : Local variety RP : Goa Tambadi Bhaji - 1 AP: Konkan Durangi
Poultry	Rice based farming	Low egg yield in desi poultry birds	05	05	T0: Desi Birds T1: Grampriya T2: CARI Devendra
Fodder	Rice based farming	Non-Availability of Green fodder	03	03	T0- Local T1- Super Napier T2-CO-5

Conti…

Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
7	8	9	10	11	12
Yield	1.31 t/ha	1.31 t/ha	Goa Dhan 4 performed better then Goa Dhan 3 and was accepted by the farmers	-	-
Yield	2.16 t/ha	2.16 t/ha			
Yield	2.19 t/ha	2.19 t/ha			
Lodging percentage, height, no of tiller, yield, BCR	Lodging % 1. 25% 2. 2. 4-6 % 3. 2 % Height cm. 1. 102 2. 115 3. 87 No of Tiller per plant 1. 4-5 2. 7-8 3. 7-8 Yield 1. 13.9 2. 27.7 3. 22.8	KMR-301 was accepted with high yield	Farmers showed concern over seed availability		

Wt of fruit, no of fruit/plant, yield, CBR	Yield per plant- 1. 2.6 kg/ plant 2. 2.8 kg/ plant 3.5.2 kg/ plant Yield 1. 20.1 t/ha 2. 27.4 t/ha 3. 47.5 t/ha	Arka Rakshk was highly accepted due to high yield and triple resistant nature. Only availability of seed was constraint expressed	Arka Rakshak was accepted		
Trial in progress.					
Yield, CBR	Yield 1. 9.8 t/ha 2. 11.58 t/ha 3. 11.23 t/ha	Goa Tambadi Bhaji was accepted by farmers.	Konkan Durangi was slightly less accepted due to its dual colour		
Yield of eggs / year	54 nos. 169 nos. 156 nos.	Farmers reactions / Feedback : Performance of Grampriya was better then CARI-Devendra			
Trial in progress					

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
T0 : Korgut	Local	1.30	t/ha	14790	1.42
T1 : Goa Dhan 3	ICAR – CCARI, Goa	2.17	t/ha	40000	1.77
T2 : Goa Dhan 4	ICAR – CCARI, Goa	2.18	t/ha	43910	1.90
T0 :Local	Local	13.9	q/ha	9800	1.21
T1 : KMR-301	UAS, Bangalore	27.7	q/ha	6550	2.78
T2 : GPU 67	UAS, Bangalore	22.8	q/ha	39870	2.11
T0: Local variety	Local	20.4	t/ha		1.70
T1:Arka Rakshak	ICAR - IIHR	47.5	t/ha		3.90
T2: Konkan Vijay	DBSKKV, Dapoli	27.4	t/ha		2.40
Trial in progress					
T0 : Local variety	Local	9.8	t/ha	13926	1.90
T1 : Goa Tambadi Bhaji–1	ICAR – CCARI, Goa	11.58	t/ha	20265	2.40
T2: Konkan Durangi	DR. BSKKV, Dapoli	11.23	t/ha	19475	2.37

T0: Desi Birds	Local	54 eggs	nos.		1.56
T1: Grampriya	ICAR-PDP Hyderabad	169 eggs	nos.		3.50
T2: CARI Devendra	ICAR-CARI, Izatnagar	156 eggs	nos.		3.02
Trial in progress					

C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details

OFT – 1

1.	Title of Technology Assessed	Assessment of Salt Tolerant varieties of Paddy Goa Dhan - 3 & Goa Dhan - 4
2.	Problem Definition	Low productivity in salt affected soils
3.	Details of technologies selected for assessment	Goa Dhan - 3 & Goa Dhan - 4
4.	Source of technology	ICAR – CCARI, Goa
5.	Production system and thematic area	Rice based farming & Varietal evaluation
6.	Performance of the Technology with performance indicators	Goa Dhan 4 performed better then Goa Dhan 3 and was accepted by the farmers
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	Goa Dhan 4 was accepted due to quality and yield.
8.	Final recommendation for micro level situation	Goa Dhan – 4
9.	Constraints identified and feedback for research	-
10	Process of farmers participation and their reaction	Farmers participation through trials and demonstrations. Farmers accepted Goa Dhan 4 for its quality and yield.
11	Good Quality Photo in JPG (separate with proper caption)	 Visit to paddy field at Diwar village

OFT – 2

1.	Title of Technology Assessed	Assessment of High yielding fingermillet varieties
2.	Problem Definition	Low productivity of local variety
3.	Details of technologies selected for assessment	FP: Farmers Practice TO1: KMR-301 TO-2: GPU 67
4.	Source of technology	UAS, Bangalore
5.	Production system and thematic area	Fallow land mostly on hilly terrain
6.	Performance of the Technology with performance indicators	Results indicated that all selected varieties performed well in comparison to local variety. KMR 301 performed very well in terms of yield as well as other production economy

7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	KMR-301 was preferred as it was high yielding. Concern about availability of seeds were raised by farmers.
8.	Final recommendation for micro level situation	Oft should be carried out for 2nd year
9.	Constraints identified and feedback for research	Non-availability of seeds
10.	Process of farmers participation and their reaction	Through training and field level demonstration. Farmers were satisfied with the performance of the new varieties.
11.	Good Quality Photo in JPG (separate with proper caption)	  Finger millet field

OFT – 3

1.	Title of Technology Assessed	Assessment of tomato varieties in agro-climatic situation of Goa
2.	Problem Definition	Low productivity and high wilt incidence in local variety
3.	Details of technologies selected for assessment	FP: Farmers Practice TO1: Arka Rakshak TO2: Konkan Vijay
4.	Source of technology	ICAR-IIHR, Bangalore, DBSKKV, Dapoli,
5.	Production system and thematic area	Rice followed by vegetable, Varietal Evaluation
6.	Performance of the Technology with performance indicators	Arka Rakshak variety was most suitable with yield of 48.5 t/ha
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	Arka Rakshak was most preferred due to its high yield and triple resistant property
8.	Final recommendation for micro level situation	Arka Rakshak
9.	Constraints identified and feedback for research	Non-availability of seed
10.	Process of farmers participation and their reaction	Through training and field level demonstration Farmers were satisfied with the performance of the new varieties.
11.	Good Quality Photo in JPG (separate with proper caption)	 Tomato OFT field

OFT – 4

1.	Title of Technology Assessed	Assessment of Goa brinjal-3 and Goa brinjal-5
2.	Problem Definition	Low productivity due to wilting in local brinjal plants
3.	Details of technologies selected for assessment	T0 – Local T1 – Goa Brinjal -03 T2 – Goa Brinjal – 05
4.	Source of technology	ICAR – CCARI, Goa
5.	Production system and thematic area	Rice fallow, varietal evaluation
6.	Performance of the Technology with performance indicators	Trial in progress
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	
8.	Final recommendation for micro level situation	
9.	Constraints identified and feedback for research	
10.	Process of farmers participation and their reaction	
11.	Good Quality Photo in JPG (separate with proper caption)	 Field Visit

OFT – 5

1.	Title of Technology Assessed	Assessment of yield potential of Red Amaranthus varieties
2.	Problem Definition	Low productivity of local variety
3.	Details of technologies selected for assessment	FP : Local variety RP : Goa Tambadi Bhaji - 1 AP: Konkan Durangi
4.	Source of technology	ICAR – CCARI, Goa DR. BSKKV, Dapoli
5.	Production system and thematic area	Rice fallow, varietal evaluation
6.	Performance of the Technology with performance indicators	Results indicated that all selected varieties performed well in competition to local variety. There was no significant yield difference in selevted variety.
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	Goa tambadi Bhaji-3 was preferred by farmers due to its red colour
8.	Final recommendation for micro level situation	Goa Tambadi Bhaji
9.	Constraints identified and feedback for research	Non-availability of seed in large quantity
10	Process of farmers participation and their reaction	Through training and field level demonstration Farmers were satisfied with the performance of the new varieties.

11	Good Quality Photo in JPG (separate with proper caption)	 Field Visit

OFT – 6

1.	Title of Technology Assessed	Assessment of improved poultry varieties
2.	Problem Definition	Low egg yield in desi poultry birds
3.	Details of technologies selected for assessment	T0- Local T1- Grampriya T2- CARI Devendra
4.	Source of technology	ICAR-PDP Hyderabad, ICAR-CARI, Izatnagar
5.	Production system and thematic area	Backyard Poultry farming and Evaluation of breeds
6.	Performance of the Technology with performance indicators	T0- Local - 54 nos. eggs / year T1- Grampriya - 169 nos. eggs / year T2- CARI Devendra- 156 nos. eggs / year
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	-
8.	Final recommendation for micro level situation	-
9.	Constraints identified and feedback for research	-
10.	Process of farmers participation and their reaction	Performance of Grampriya was better then CARI-Devendra
11.	Good Quality Photo in JPG (separate with proper caption)	

OFT – 7

1.	Title of Technology Assessed	Assessment of High yielding Fodder varieties
2.	Problem Definition	Non-Availability of Green fodder
3.	Details of technologies selected for assessment	T0- Local T1- Super Napier T2-CO-5
4.	Source of technology	IGFRI, Dharwad & TNAU, Coimbatore
5.	Production system and thematic area	Rice fallow, varietal evaluation
6.	Performance of the Technology with performance indicators	Trial in Progress.
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	-
8.	Final recommendation for micro level situation	-
9.	Constraints identified and feedback for research	-
10	Process of farmers participation and their reaction	-
11	Good Quality Photo in JPG (separate with proper caption)	 Field Visit

3.3. FRONTLINE DEMONSTRATION

A. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2022 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1	Cashew	Integrated Pest Management	Cashew stem and root borer management	Capacity building programme, FLDs, awareness programme,	18	224	426

				electronic media			
2	Jackfruit	Value addition	Value addition in Jackfruit	Capacity building programme, FLDs, awareness programme, electronic media	6	18	-
3	Dairy	Clean Milk Production	Teat dip cup, intra mammary tube	Capacity building programme, FLDs, awareness programme, electronic media	12	342	-
4	Feed and Fodder	Green Fodder production	CO-5	Capacity building programme, FLDs, awareness programme, electronic media	11	315	19
5	Poultry	Backyard Poultry	Backyard poultry with Grampriya	Capacity building programme, FLDs, awareness programme, electronic media	9	156	-

B. Details of FLDs implemented during 2022 **(Kharif 2021, Rabi 2021-22, Summer 2022)** (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year
1	Paddy	Varietal Demonstration	Popularization of High yielding salt tolerant rice variety var. *Goa Dhan-1*	Kharif – 2022
2	Cowpea	Varietal Demonstration	Popularization of cowpea var. *Goa Cowpea-03*	Rabi 2021
3	Cashew	IPM	Management of Stem & Root Borer	Rabi 2021
4	Yard long bean	Varietal Demonstration	Popularization of High yielding yard long bean variety *Arka Mangala*	Rabi 2021
5	Sweet Corn	Varietal Evaluation	Popularization of Sweet corn var. *Golden COB-F-1*	Rabi-2021

6	Watermelon	Varietal Evaluation	Popularization of high yielding variety - *Augusta*	Rabi-2021
7	Onion	Varietal Evaluation	Popularization of high yielding variety – *NHRDF Red-3*	Rabi-2022

Cont…

Area (ha)		No. of farmers / demonstration			Reasons for shortfall in achievement
Proposed	Actual	SC/ST	Others	Total	
2.0	2.0	3	5	08	
1.0	1.0	3	7	10	-
1.0	1.0	4	6	10	-
0.5	0.5	2	8	10	-
0.5	0.5	2	8	10	-
0.5	0.5	2	8	10	-
0.5	0.5	2	8	10	-

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil		
				N	P	K
Paddy	Kharif – 2022	RF	Sandy loam	L	M	M
Cowpea	Rabi 2021	Irrigated	Sandy loam	L	M	M
Cashew	Rabi 2021	RF	Sandy loam	L	M	M
Yard long bean	Rabi 2021	Irrigated	Sandy loam	L	M	M
Sweet Corn	Rabi-2021	Irrigated	Sandy loam	L	M	M
Watermelon	Rabi-2021	Irrigated	Sandy loam	L	M	M
Onion	Rabi-2022	Irrigated	Sandy loam	L	M	M

Conti…

Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
-	5-12 July, 2022	Nov, 2022	2647.9	120
Paddy	08-15 Dec, 2021	March, 2022		
-	-	March, 2022		
Paddy	08-15 Dec, 2021	Feb, 2022		
Paddy	10-18 Dec, 2021	March, 2022		
Paddy	12-18 Dec, 2021,	March, 2022		
Paddy	12-18 Dec, 2022,	April, 2023		

Technical Feedback on the demonstrated technologies

S. No	**Feed Back**
1. Cowpea	*Goa Cowpea-3* was accepted by farmers
2. Yard Long Bean	*Arka Mangala was* accepted by the farmers
3. Sweet corn	*Golden Cob F-1* was accepted by the farmers
4. Watermelon	*Augusta* was accepted by farmers

Farmers' reactions on specific technologies

S. No	Feed Back
1. Cowpea	Problem of aphids was seen during early stage. Farmers were satisfied with the performance and yield potential of the variety.
2. Yard Long Bean	Yield was goof along with good length of 1.5 feet
3. Sweet corn	Farmers got Rs 10 to Rs. 15 per cob
4. Watermelon	Yield of *Augusta* was good along with its market preference. One watermelon fetched Rs. 200 to Rs. 350 depending on the size.

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	5	28/10/2022 22/02/2023 9/02/2023 24/02/2023 24/02/2023	130	
2	Farmers Training	4	10/10/2022 18/10/2022 9/11/2022 22/11/2022	120	

C. Performance of Frontline demonstrations

Frontline demonstration on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)			
						Demo			Check
						High	Low	Average	
Groundnut	Varietal Demonstration	Popularization of groundnut var.DH-256	DH-256	33	13	26.8	22.9	24.85	22.3

% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
11.43	72450	223650	151200	3.08	74120	200700	126580	2.7

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)			
						Demo			Check
						High	Low	Average	
Cowpea	Varietal Demonstration	Popularization of cowpea var. Goa Cowpea-03	Cowpea - 03	10	0.5	12.2	10.3	11.25	7.8

% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
44.23	47900	219600	171700	4.58	46700	140400	93700	2.82

FLD on Other crops

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)			
					Demo			Check
					High	Low	Average	
Cereals								
Paddy	Varietal Demonstration	Popularization of High yielding salt tolerant rice variety Goa Dhan - 1	08	0.5	22.1	20.1	21.1	13.3
Cashew	IPM	Management of Stem & Root Borer	10	1.0	14.1	12.16	13.13	4.11
Yard long bean	Varietal Demonstration	Popularization of High yielding yard long bean variety *Arka Mangala*	10	0.5	215.4	179.6	197.5	167.9
Sweet Corn	Varietal Evaluation	Popularization of Sweet corn var. *COB 1*	10	0.5	61.3	57.56	59.43	51.85
Watermelon	Varietal Evaluation	Popularization of high yielding variety *Arka Manik*	10	0.5	328.7	305.3	317	272.5
Onion	Varietal Evaluation	Popularization of high yielding variety *NHRDF Red-3*	Trial in progress					

Conti…

% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
58.64%	-	-	48560	83680	35120	1.72	38280	52180	13900	1.36
219.46%	Pest Inci-dence - 2.61%	Pest Inci-dence - 13.51%	73340	182450	109110	2.48	50450	72190	21740	1.43
17.64%	-	-	38400	133632	95232	3.48	39200	117208	78008	2.99
14.62%	Avg fruit wt 5.5 kg	Avg fruit wt 4.8 kg	45800	145644	99844	3.18	46680	119500	72820	2.56
16%	-	-	60900	205233	144333	3.37	62780	185828	123048	2.96

FLD on Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of Units (Animal/ Poultry/ Birds, etc)	Major parameters		% change in major parameter
					Demo	Check	

Conti…

Other parameter		Economics of demonstration (Rs.)				Economics of check (Rs.)			
Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)

FLD on Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter
				Demo	Check	

Conti…

Other parameter		Economics of demonstration (Rs.) or Rs./unit				Economics of check (Rs.) or Rs./unit			
Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)

FLD on Other Enterprise:

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Yield (Kg)	
					Demonstration	Check

Conti…

% change in yield	Other parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)

Note : Remove the Enterprises/crops which have not been shown

3.4. Training Programmes(Online programmes if any should be included under On Campus category)

Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										

Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil & water conservation										
Integrated nutrient management										
Production of organic inputs										
Others (pl specify)										
Total										
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify)										
Total (a)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										

Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (f)										

g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
GT (a-g)										
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										

Production of quality animal products										
Goatery Management										
Total										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinary and its maintenance										
Installation and maintenance of micro irrigation systems										

Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	02	10	08	18	05	03	08	15	11	26
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Pest management in vegetables										
Total	**02**	**10**	**08**	**18**	**05**	**03**	**08**	**15**	**11**	**26**
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										

Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X CapacityBuilding and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										

Entrepreneurial development of farmers/youths	5	71	81	152	31	17	48	102	98	200
WTO and IPR issues										
Others (pl specify)										
Total	**5**	**71**	**81**	**152**	**31**	**17**	**48**	**102**	**98**	**200**
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Bamboo cultivation	01	08	06	14	2	02	04	10	08	18
Total	**01**	**08**	**06**	**14**	**2**	**02**	**04**	**10**	**08**	**18**
GRAND TOTAL	**8**	**89**	**95**	**184**	**38**	**22**	**60**	**127**	**117**	**244**

Farmers' Training including sponsored training programmes (off campus)

Thematic area	**No. of courses**	**Participants**								
		Others			**SC/ST**			**Grand Total**		
		Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification	6	73	19	92	0	0	0	73	19	92
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil & water conservatioin										
Integrated nutrient management										
Production of organic inputs										
Organic Farming	4	97	39	136	12	5	17	109	44	153
Total	**10**	**170**	**58**	**228**	**12**	**5**	**17**	**182**	**63**	**245**
II Horticulture										

a) Vegetable Crops										
Production of low value and high valume crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify) Scientific Vegetable Cultivation	2	22	14	36	5	2	7	27	16	43
Total (a)	**2**	**22**	**14**	**36**	**5**	**2**	**7**	**27**	**16**	**43**
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										

Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (f)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
GT (a-g)										
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										

Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology	1	17	11	28	0	0	0	17	11	28
Production of quality animal products										
Others (pl specify)										
Total	**1**	**17**	**11**	**28**	**0**	**0**	**0**	**17**	**11**	**28**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										

Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinary and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	03	45	7	52	07	05	12	52	12	64

Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	**03**	**45**	**7**	**52**	**07**	**05**	**12**	**52**	**12**	**64**
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Ornamental fish farming	1	15	4	19	1	6	7	16	10	26
Mud crab Fattening	1	27	12	39	1	4	5	28	16	44
Total	**2**	**42**	**16**	**58**	**2**	**10**	**12**	**44**	**26**	**70**
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										

Vermi-compost production	3	42	08	50	08	03	11	50	11	61
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements	01	07	08	15	04	06	10	11	14	25
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total	**4**	**49**	**16**	**65**	**12**	**9**	**21**	**61**	**25**	**86**
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Doubling of farmers income	2	19	15	34	3	0	3	22	15	37
Natural Farming	6	87	49	136	12	7	19	99	56	155
Total	**8**	**106**	**64**	**170**	**15**	**7**	**22**	**121**	**71**	**192**
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify)										
Total										
GRAND TOTAL	**30**	**451**	**186**	**637**	**53**	**38**	**91**	**504**	**224**	**728**

Farmers' Training including sponsored training programmes – CONSOLIDATED (On + Off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification	6	73	19	92	0	0	0	73	19	92
Integrated Farming										
Micro Irrigation/irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil & water conservatioin										
Integrated nutrient management										
Production of organic inputs										
Organic Farming	4	97	39	136	12	5	17	109	44	153
Total	**10**	**170**	**58**	**228**	**12**	**5**	**17**	**182**	**63**	**245**
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl specify) Scientific Vegetable Cultivation	2	22	14	36	5	2	7	27	16	43
Total (a)	**2**	**22**	**14**	**36**	**5**	**2**	**7**	**27**	**16**	**43**

b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl specify)										
Total (b)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total (c)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (d)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										

Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (f)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
GT (a-g)										
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Goatery Management										
Rabbit Management										

Animal Nutrition Management										
Disease Management										
Feed & fodder technology	1	17	11	28	0	0	0	17	11	28
Production of quality animal products										
Others (pl specify)										
Total	**1**	**17**	**11**	**28**	**0**	**0**	**0**	**17**	**11**	**28**
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total										
VI Agril. Engineering										
Farm Machinary and its maintenance										

Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	02	10	08	18	05	03	08	15	11	26
	03	45	7	52	07	05	12	52	12	64
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl specify)										
Total	**5**	**55**	**15**	**70**	**12**	**8**	**20**	**67**	**23**	**90**
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										

Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Ornamental fish farming	1	15	4	19	1	6	7	16	10	26
Mud crab Fattening	1	27	12	39	1	4	5	28	16	44
Total	**2**	**42**	**16**	**58**	**2**	**10**	**12**	**44**	**26**	**70**
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production	3	42	08	50	08	03	11	50	11	61
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements	01	07	08	15	04	06	10	11	14	25
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total	**4**	**49**	**16**	**65**	**12**	**9**	**21**	**61**	**25**	**86**
X CapacityBuilding and Group Dynamics										
Leadership development										

Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths	5	71	81	152	31	17	48	102	98	200
WTO and IPR issues										
Doubling of farmers income	2	19	15	34	3	0	3	22	15	37
Natural Farming	6	87	49	136	12	7	19	99	56	155
Total	**13**	**177**	**145**	**322**	**46**	**24**	**70**	**223**	**169**	**392**
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Bamboo cultivation	01	08	06	14	2	02	04	10	08	18
Total	**01**	**08**	**06**	**14**	**2**	**02**	**04**	**10**	**08**	**18**
GRAND TOTAL	**38**	**540**	**281**	**821**	**91**	**60**	**151**	**631**	**341**	**972**

Training for Rural Youths including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	01	5	15	20	2	2	4	07	17	24
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping	04	49	36	85	10	09	19	59	45	104
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										

Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Kitchen Garden										
Nutrition Garden										
TOTAL	**5**	**54**	**51**	**105**	**12**	**11**	**23**	**66**	**62**	**128**

Training for Rural Youths 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
Nursery Management of Horticulture crops	01	5	5	10	3	2	5	8	7	15
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										

Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	**01**	**5**	**5**	**10**	**3**	**2**	**5**	**8**	**7**	**15**

Training for Rural Youths including sponsored training programmes – CONSOLIDATED (On + 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
Nursery Management of Horticulture crops	01	5	15	20	2	2	4	07	17	24
	01	5	5	10	3	2	5	8	7	15
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping	04	49	36	85	10	09	19	59	45	104
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										

Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Kitchen Garden										
Nutrition Garden										
TOTAL	**6**	**59**	**56**	**115**	**15**	**13**	**28**	**74**	**69**	**143**

Training programmes for Extension Personnel including sponsored training (on campus)

Area of training	**No. of Courses**	**No. of Participants**								
		General			**SC/ST**			**Grand Total**		
		Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs	01	07	05	12	01	02	03	08	07	15
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
TOTAL	**01**	**07**	**05**	**12**	**01**	**02**	**03**	**08**	**07**	**15**

Training programmes for Extension Personnel including sponsored training (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)										
TOTAL										

Training programmes for Extension Personnel including sponsored training – CONSOLIDATED (On + 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	01	07	05	12	01	02	03	08	07	15
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
TOTAL	**01**	**07**	**05**	**12**	**01**	**02**	**03**	**08**	**07**	**15**

Sponsored training programmes

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Increasing production and productivity of crops										
Commercial production of vegetables										
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management										
Production of Inputs at site										
Methods of protective cultivation										
Beekeeping										
Total										
Post harvest technology and value addition										
Processing and value addition										
Others (pl. specify)										
Total										
Farm machinery										
Farm machinery, tools and implements										
Others (pl. specify)										
Total										
Livestock and fisheries										
Livestock production and management										
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Others (pl. specify)										
Scientific goat farming	1	32	8	40	0	0	0	32	8	40
Scientific goat farming	1	29	11	40	0	0	0	29	11	40
Scientific backyard poultry	1	21	19	40	0	0	0	21	19	40
Scientific backyard poultry	1	23	17	40	0	0	0	23	17	40
Improved fodder cultivation and silage making	1	33	7	40	0	0	0	33	7	40
Total	**5**	**138**	**62**	**200**	**0**	**0**	**0**	**138**	**62**	**200**
Home Science	**5**	**138**	**62**	**200**	**0**	**0**	**0**	**138**	**62**	**200**
Household nutritional security										
Economic empowerment of women										

Drudgery reduction of women										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity Building and Group Dynamics										
Others (pl. specify)										
Total										
GRAND TOTAL										

Details of vocational training programmes carried out by KVKs for rural youth (4 or more days)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Commercial floriculture										
Commercial fruit production										
Commercial vegetable production										
Integrated crop management										
Organic farming										
Others (pl. specify)										
Total										
Post harvest technology and value addition										
Value addition										
Others (pl. specify)										
Total										
Livestock and fisheries										
Dairy farming										
Composite fish culture										
Sheep and goat rearing										
Piggery										
Poultry farming										
Others (pl. specify)										
Total										
Income generation activities										
Vermicomposting										
Production of bio-agents, bio-pesticides,										
bio-fertilizers etc.										
Repair and maintenance of farm machinery										
and implements										
Rural Crafts										
Seed production										
Sericulture										
Mushroom cultivation										
Nursery, grafting etc.										
Tailoring, stitching, embroidery, dying etc.										

Agril. para-workers, para-vet training										
Others (pl. specify)										
Total										
Agricultural Extension										
Capacity building and group dynamics										
Others (pl. specify)										
Total										
Grand Total										

3.5. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	1842	2910	35	**4787**
Diagnostic visits	102	383	15	**500**
Field Day	09	153	5	**167**
Group discussions	05	188	12	**205**
Film Show	18	254	34	**306**
Self -help groups	5	125	-	**130**
Kisan Mela	1	4000	100	**4101**
Exhibition	3	1500	80	**1583**
Scientists' visit to farmers field	65	754	21	**840**
Farmers' seminar/workshop	04	126	14	**144**
Method Demonstrations	54	1023	24	**1101**
Celebration of important days	09	350	06	**365**
Special day celebration	06	557	14	**577**
Exposure visits	06	331	07	**344**
Total	**2129**	**12654**	**367**	**15150**

Note- Advisory services includes social media, website, telephonic calls etc.

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	04
Newspaper coverage	12
Popular articles	02
Radio Talks	01
TV Talks	02
Lecture given	08
Total	**29**

3.6 Online activities during year 2022

S. No.	Activity Type	Mode of implementation (Video conferencing / Audio Conferencing / Facebook Live / YouTube Live/ Zoom/ Google meet/ Webexetc)	Title of Program	No. of Programmes	No. of Participants/ Views
A	**Farmers training**				
1					
	Total				

B	**Farmers scientist's interaction programme**				
1					
	Total				
C	**Farmers seminars**				
1					
	Total				
D	**Expert lectures**				
1					
	Total				
E	**Any other (Pl. specify)**				
1		Zoom	Programme on 'Meet the Agricultural Scientist'	1	25
		Pmwebcast.nic.in	Webcasting of Garib Kalyan Sammelan	1	55
		Zoom	Celebrated 94th ICAR Foundation Day at Surla village	1	60
		Pmwebcast.nic.in	Webcasting of PM Kisan Samman Samelan Webcast	1	168
	Total			4	308
	Grand Total (A+B+C+D+E)			**4**	**308**

3.7. PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals						
Oilseeds						
Pulses						
Commercial crops						
Vegetables	Okra	Arka Anamika		65.50	662000	

	Brinjal	Goa Brinjal-2		21.65		
	Bitter Gourd	Local		1.8		
	Cluster bean	Thar Bhadvi		14.69		
	Palak	Arka Anupama		89.5		
	Radish	Pusa Chetki		77.05		
	Yard Long bean	Arka Mangalala		60.30		
	Coriander	Arka Isha		153.50		
	Amaranthus	Arka Arunima		33.20		
				517.19	**662000**	
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others						
Total						

Production of planting materials by the KVK

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Fruits plants	Mango	Mankurad	-	158	12640	524
	Papaya	Local	-	98	3920	
Ornamental plants			-			
Medicinal and Aromatic plants			-			
Plantation plants	Cashew	Local	-	554	38780	
Spices plants	Black pepper	Local	-	366	10980	
Vegetable	Drumstick	Bhagya	-	93	3720	
Fruits	Mango			290 kg	17555	85
Tuber						
Fodder crop saplings						
Forest Species						
Others						
Total					**87610**	**609**

Production of value added products

Crop	Name of the product	Quantity Kg / Ltrs	Value (Rs.)	No. of Farmers
Coconut	Virgin Coconut Oil	86.6 ltrs	86600	511
	Misc. Value-added products	-	8770	142
Total		**86.6**	**95370**	**653**

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	No. of Farmers
Bio Fertilisers	Vermicompost	4690 kg	93800	520
	Earthworm	8.3 kg	1225	8
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others				
Total		**4698.3**	**95025**	**528**

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals				
Cows				
Buffaloes				
Milk				
Calves				
Others (Pl. specify)				
Poultry				
Broilers				
Layers eggs	Khadaknath	940 nos.	6580	61
	Vanaraja	2882 nos.	20174	152
	CARI, Devendra	4560 nos.	31920	294
	Grampiya	3210 nos.	23570	240
Birds	Khadaknath, CARI - Nirbheek, Grampiya	114 nos.	34200	89
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl.specify)				

Fisheries				
Indian carp				
Exotic carp				
Others (Pl. specify)				
Total		**11706**	**116444**	**836**

4. Literature Developed/Published (with full title, author & reference)

A. KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)

B. Literature developed/published

Item	Title	Authors name	Number
Research papers	Role of social-media and government agencies in combating COVID-19 pandemic crises	Monica Singh, HRC Prabhu and Sandeep Deshmukh	The Pharma Innovation Journal 2022; SP-11(10): 1787-1791
	Attitude of rural women towards self-help groups (SHGs) from Aspirational districts of Maharashtra	Monica Singh and Sandeep Deshmukh	The Pharma Innovation Journal 2022; SP-11(11): 35-39
Technical reports	Case studies of Technological intervention on Doubling Farmers Income	Monica Singh, HRC Prabhu, Sunetra Talaulikar and Sanjay Udharwar	KVK North Goa-1/2022 114 pages
News letters			
Technical bulletins			
Popular articles			
Extension literature			
Others (Pl. specify)			
TOTAL			

C. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
-	-	-	-

D. Details of Social Media Platforms Created / Used

S. No.	Type of social media platform	Title of social media	Number of Followers/ Subscribers
1	YouTube Channel	**KVK North Goa**	**352**
2	Facebook page/ Account	**KVK North Goa**	**01**
3	Mobile Apps	**-**	
4	WhatsApp groups	**DAMU, Beekeeping, coconut friends, organic farming, Anjuna Soil Mark, etc.**	**150**
5	Twitter Account	**KVK North Goa**	**01**
6	Any other (Pl. Specify)		

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

E. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

F. Give details of indigenous technology 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
1			

5.1. Indicate the specific training need analysis tools/methodology followed for

A. Practicing Farmers

i) PRA
ii) Problem identified from Matrix
iii) Field level observations
iv) Farmer group discussions
v) Input from line departments

B. Rural Youth

i) PRA
ii) Problem identified from Matrix
iii) Field level observations
iv) Farmer group discussions
v) Input from line departments

C. In-service personnel

i) Input from line departments
ii) Training need assessment

5.2 Indicate the methodology for identifying OFTs/FLDs

For OFT:

i) PRA
ii) Problem identified from Matrix
iii) Field level observations
iv) Farmer group discussions
v) Input from line departments

For FLD:

i) New variety/technology
ii) Poor yield at farmers level
iii) Existing cropping system
iv) Input from line departments

5.3. Field activities

Name of villages identified/adopted with block name (from which year) – 2019
Nagargaon, Sal, Pilar, Mopa, Cumbarjua,

ii. No. of farm families selected per village :20 Nos. each
iii. No. of survey/PRA conducted : 03 Nos.
iv. No. of technologies taken to the adopted villages : 18 nos.
v. Name of the technologies found suitable by the farmers of the adopted villages:
Management of Cashew Stem and root borer
Bypass fat for cattle.
Production technology Virgin coconut Oil.
vi. Impact (production, income, employment, area/technological– horizontal/vertical)

S. No	Technology demonstrated	Production	Income	Employment Generation	Horizontal spread of technology		
			Rs.	Man days / year	No. of villages	No. of farmers	Area in ha / No. of Units
1	Improved watermelon cultivation	300.6	1,24,500	118	2	103	50
2	Improved Groundnut cultivation	24.85	1,00,700	98	3	89	70
3	Improved Yard long bean cultivation	197.5	78,008	63	17	123	48

6. LINKAGES

A. Functional linkage with different organizations

Name of organization	**Nature of linkage**
ATMA	Exhibitions / trainings, Meetings
Goa Dairy	Animal Health Camps, Meetings
Department Of AHVS	Animal Health Camps, Meetings
SAMETI	Trainings
Goa College of Home Science, Panaji	Training
Goa Chamber of Commerce and Industry, Panaji	Training
All India women's Conference	Training
Green Growth Institute, Sangolda	Training & Demonstration
CPCRI, Kasargod	Training, Workshop and Meeting
Directorate of Agriculture, Govt. of Goa	Training, NHM, RKVY, Diagnostic visits, Lectures, Roving survey
All India Radio	Agriculture Information Programme
Almeida High School, Ponda	Training
G.V.M College, Ponda	Training
Dempe College, Panaji	Training
Botanical Society of Goa	Fruit Festival
Goa Science Centre, Panaji	Agriculture Exhibition
Forest Department, Govt. of Goa	Training
Goa State Bio Diversity Board, Panaji	Training, Workshop and Meeting
Regional Cum Facilitation Centre, National Medicinal Plant Board, Ministry of AYUSH, Pune.	Training

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

B. List special programmes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.) in lakhs

C. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

If yes, role of KVK in preparation of SREP of the district?

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	General body meeting	3	0	
		Technical committee meeting	1	0	
		SAC meeting	0	1	
02	Research projects				
03	Training programmes	Virgin Coconut oil production technology	0	1	
		Cashew stem and root borer management	0	1	
		Organic input preparations	0	1	
		Improved groundnut cultivation practices	0	1	
		Improved cowpea cultivation practices	0	1	
04	Demonstrations	CFLD on Oilseeds and Pulses	2	34	-
05	Extension Programmes				
		Kisan Mela			
		Technology Week			
		Exposure visit	2	0	

		Exhibition	**2**	**0**	
		Soil health camps	**2**	**1**	
		Animal Health Campaigns			
		Others (Pl. specify)			
06	**Publications**				
		Video Films			
		Books			
		Extension Literature			
		Pamphlets			
		Others (Pl. specify)			
07	**Other Activities** (Pl. specify)				
		Watershed approach			
		Integrated Farm Development			
		Agri-preneurs development			

D. Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Constraints if any

E. Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks

F. Details of linkage with RKVY

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks

G. Details of linkage with PKVY (Paramparagat Krishi VikasYojana)

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks

H. Details of linkage with NFSM

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks

I. Details of linkage with SMAF (Sub-mission on Agroforestry)

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks

7. Convergence with other agencies and departments:

8. Innovator Farmer's Meet

Sl.No.	Particulars	Details
	Have you conducted Farm Innovators meet in your district?	No
	Brief report in this regard	

9. Farmers Field School (FFS)

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.	Brief report

10.1. Technical Feedback of the farmers about the technologies demonstrated and assessed:

10.2. Technical Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:

1. Package of practices for Natural Farming
2. Climate resilient technologies
3. Saline soil reclamation

11. Technology Week celebration during 2022: No,
If Yes

Period of observing Technology Week: From to
Online / Offline:
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			

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
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			

12. IMPACT

A. Impact of KVK activities (Not to be 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)
Management of Stem and root borer in cashew	12	85	21,880/-	1,03,800/-
Production of Virgin Coconut Oil	53	58	-	20450/- per month
Soil test based nutrient management	1300	90		
Popularization of Vermicomposting	130	86	10100/-	24500/-
Value addition in Jackfruit	41	65	1,200/-	2,800/- per day
Popularization of Mushroom Cultivation	21	63	700/-	3,400/-
Popularization of Beekeeping	33	47	-	4,600/-
Popularization of Grampriya Birds				
Popularization of Fodder Varieties CO-5 (Hybrid Napier)	35	96	680/-	39,500/-
Feeding of Bypass fat	25	87	30500/-	39400/-
Mastitis control measures in cattle	41	98	26300/-	32200/-

B. Cases of large scale adoption

(Please furnish detailed information for each case)

S. No	Crop / Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha / No. of Units
1	Cashew	IPM	Management of Cashew Stem and Root Borer	Method Demonstration, Capacity building programme, Awareness programme	113	1458	856

2	Dairy	Nutrition Management	Popularization of Bypass Fat Technology	Method Demonstration, Capacity building programme, Awareness programme	132	661	618
3	Coconut	Value addition	Popularization of Virgin Coconut Oil Production technology	Method Demonstration, Capacity building programme, Awareness programme	15	189	03 - Commercial, 05 Home scale

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

13. Kisan Mobile Advisory Services : Nil as other social media was used such as whatsapp, twitter, etc.

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
Jan 2022			
Feb 2022			
March 2022			
April 2022			
May 2022			
Jun 2022			
Jul 2022			
Aug 2022			
Sept 2022			
Oct 2022			
Nov. 2022			
Dec. 2022			

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	Total
	Text only							
	Voice only							
	Voice & Text both							
	Total Messages							
	Total farmers Benefitted							

14. PERFORMANCE OF INFRASTRUCTURE IN KVK

A. 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	
1									

B. 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									
Pulses									
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Cashew			4.50	Local	Planting material & Nuts	610 Nos. 1344 kgs	83520	177100	
Mango			3.50	Mancurad, Amarpali, Kesar, Ratna	Planting material & Fruits	900 Nos. 800 Kgs	60500	96000	
Coconut			0.75	Local	Nuts	3910 Nuts	16570	39100	
Vegetables									
Others (specify)									
Fodder			1.75	CO-4 & CO-5	Fodder and Slips	3500 nos.	2210	3500	
Nursery			1.0	Ornamental &Medicinal	Planting Material	1109 Nos.	14514	33270	

C. Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Vermicompost	4098.5	38710	81970	

D. 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 Birds	Cari Nirbheek	Eggs, Adults and chicks	8119(Eggs) 1486 (Adults & chicks)	93,612/-	1,33,721/-	
		Grampriya		7149 (Eggs) 389 (Adults & chicks)	77,456/-	1,09,633/-	
						2,43,354/-	

E. Utilization of hostel facilities

Accommodation available (No. of beds): 16 –

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
January 2022	0		
February 2022	0		
March 2022	0		
April 2022	0		
May 2022	0		
June 2022	0		
July 2022	0		
August 2022	0		
September 2022	0		
October 2022	0		
November 2022	0		
December 2022	0		

F. Database management

S. No	Database target	Database created
1		

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

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 Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		

H. Performance of Nutritional Garden at KVK farm

If Nutritional Garden developed at KVK farm/Village Level? Yes
If yes,

Nutritional Garden developed at KVK farm

Area under nutritional garden (ha)	Component of Nutritional Garden	No. of species / plants in nutritional garden	No. of farmers visited

0.1	Vegetable crops	Amaranthus, Tomato, Pumpkin, Ridge gourd, Bitter gourd, Long beans, bottle gourd, Drumstick,	322
	Fruit crops	Papaya, Banana, Sapota, Lemon	

Nutritional Garden developed at Village Level

No. of Villages covered	Component of Nutritional Garden	No. of species / plants in nutritional garden	No. of farmers covered
06	Vegetable crops	Amaranthus, Tomato, Pumpkin, Ridge gourd, Bitter gourd, Long beans, bottle gourd, Drumstick	198
	Fruit crops	Papaya,	

I. Details of Skill Development Trainings organized

S.No.	Name of KVKs/SAUs/ICAR Institutes	Name of QP/Job role	Duration (hrs)	No. of participants					
				SCs/STs		Others		Total	
				Male	Female	Male	Female	Male	Female
1									
2									

15.FINANCIAL PERFORMANCE

A. 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	Old Goa	000321	ICAR Research Complex for Goa	0321201000277	403015014	CNRB0000321
With KVK							

B. Utilization of KVK funds

S. No.	Particulars	Sanctioned	Released	Expenditure
24.1	**Recurring Contingencies**			
24.1.1	**Pay & Allowances**	**180.0**	**147.69**	**107.87695**
24.1.2	**Traveling allowances**	**0.55**	**0.55**	**0.90232**
24.2	**General**			
24.2.1	Office Contingencies	5.0	4.45	3.91419
24.2.2	Technical Programme	3.5	2.90	2.44007
	Total General	**8.5**	**7.35**	**6.35426**
24.3	**Capital**			
24.3.1	IT/AV			
24.3.2	Furniture and Equipment			
	Total Capital			
24.4	**Revolving Fund**			
24.5	**GRAND TOTAL (A+B+C)**	**189.05**	**155.59**	**112.13353**

C. Status of revolving fund (Rs. in lakh) for the three years - Nil

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2018 to March 2019	NA			
April 2019 to March 2020	NA			
April 2020 to December, 2020	NA			

16. Details of HRD activities attended by KVK staff during year

Name of the staff	Designation	Title of the training programme	Institute where attended	Mode (Online/ Offline)	Dates
Vishwajeet Prajapati	Technical Officer (Computer)	Training Programme on "Computer Applications"	ICAR-IASRI, New Delhi	Online	15 - 21 December, 2022

17. Details of progress in Doubling Farmers Income (DFI) villages adopted by KVKs

Name of the village	Total No. of families surveyed	Key interventions implemented	No. of farmers covered in each intervention	Change in income (Rs/unit)	
				Before	After
Ibhrampur	15	Vermicomposting, IPM in cashew and chilli, clean milk production, backyard poultry, hybrid vegetable cultivation, Scientific dairy management, post harvest and value addition in locally available fruits	15	151000	164000
Mauxi	10	Vermicomposting, IPM in cashew and chilli, clean milk production, backyard poultry, hybrid vegetable cultivation, Scientific dairy management, post harvest and value addition in locally available fruits	10	61000	72000

18. Details of activities planned under NARI /PKVY / TSP / KKA, etc.

S. No.	Name of the programme	No. of villages adopted	Key activities performed	No. of activities carried out	No. of families covered

19. Details of Progress of ARYA Project

Name of Enterprise	No of Training Conducted	No of Beneficiaries	No of Extension Activities	No of Beneficiaries	No of Unit established	Change in income		No. Of Groups Formed
						Before	After	

20. Details of SAP

S. No.	Types of major Activity conducted- SwachhtaPakhwada, Cleaning, Awareness Workshop, Microbial based Agricultural Waste Management by Vermicomposting etc.	No. of Programmes conducted	No. of Participants
1	**Swachhta Pakhwada, Cleaning, Awareness Workshop, Microbial based Agricultural Waste Management by Vermicomposting etc.**	22	412
	Total	**22**	**412**

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

APR SUMMARY

(Note: While preparing summary, please don't add or delete any row or columns)

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	38	631	341	972
Rural youths	06	74	69	143
Extension functionaries	01	08	07	15
Sponsored Training	05	138	62	200
Vocational Training	0	0	0	0
Total	**50**	**851**	**479**	**1330**

2. Frontline demonstrations

Enterprise	No. of Farmers	Area(ha)	Units/Animals
Oilseeds	33	13	-
Pulses	10	0.5	-
Cereals	08	0.5	-
Vegetables	40	2.0	-
Other crops	10	1.0	-
Hybrid crops			
Total			
Livestock & Fisheries			
Other enterprises			
Total			
Grand Total	**101**	**17**	**101**

3. Technology Assessment & Refinement

Category	No. of Technology Assessed & Refined	No. of Trials	No. of Farmers
Technology Assessed			
Crops	5	25	25
Livestock	2	10	10
Various enterprises	0	0	0
Total			
Technology Refined	**07**	**35**	**35**
Crops			
Livestock			
Various enterprises			
Total			
Grand Total	**07**	**35**	**35**

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	2357	13288
Other extension activities	29	-
Total	**2386**	**13288**

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						
		Crop	Livestock	Weather	Marke-ting	Aware-ness	Other enterprise	Total
	Text only							
	Voice only							
	Voice & Text both							
	Total Messages							
	Total farmers Benefitted							

6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	517.19	6,62,000
Planting material (No.)	1604.00	17,555
Bio-Products (kg)	4698.30	95,025
Livestock Production (No.)	11706.00	1,16,444
Value added product (No.)	86.60	95,370
Total	**18612.09**	**9,86,394**

7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	750	-
Water	-	-
Plant	-	-
Total	**750**	**-**

8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	3
2	Conferences	-
3	Meetings	10
4	Trainings for KVK officials	1
5	Visits of KVK officials	3
6	Book published	1
7	Training Manual	1
8	Book chapters	1
9	Research papers	2
10	Lead papers	-
11	Seminar papers	-
12	Extension folder	2
13	Proceedings	2
14	Award & recognition	-
15	On going research projects	3

****

Glimpses of KVK Activities 2022

‘Krishi Mahotsav’ at Quepem, South Goa

‘Krishi Mahotsav’ at Sakhlim, North Goa

National Level Training Program on Cashew

Celebrated National Girl Child Day

campaign on Processing & Storage of Food grains & Pulses

Online XXIV SAC Meeting

Three scientific beekeeping programs for Goan farmers under NBHM

Online Workshop on Vermicomposting and Jeevamrut

Programme on 'Meet the Agricultural Scientist'

Celebrated International Women's Day

Skill Development Training on Scientific Backyard Poultry

Skill Development Training on Improved fodder cultivation and silage making

Field Day on "Scientific Coconut Cultivation"

Training on jackfruit processing

Awareness programme on Bamboo cultivation

Awareness Program on Organic Farming and Kisan Mela

International Science Film Festival exhibition

Celebration of International Labour Day

ICAR- CCARI, Goa was felicitated by Government of Goa on 35th Statehood day

Webcasting of Garib Kalyan Sammelan

Celebrated World Environment Day

Two days training on Jackfruit Processing in collaboration with DTNBWED RD Goa

Awareness Program on Efficient and Balanced Use of Fertilizers

Save Soil Campaign with Isha Foundation at Surla Village

Training programme on Turmeric and Kokum

5th Annual Zonal Workshop of KVKs

Celebrated 94th ICAR Foundation Day at Surla village

Celebrated World Nature Conservation Day

Exhibition at Mega Goa World Expo 2022

Poshan Maah and Tree Plantation Programme at Pale Goa

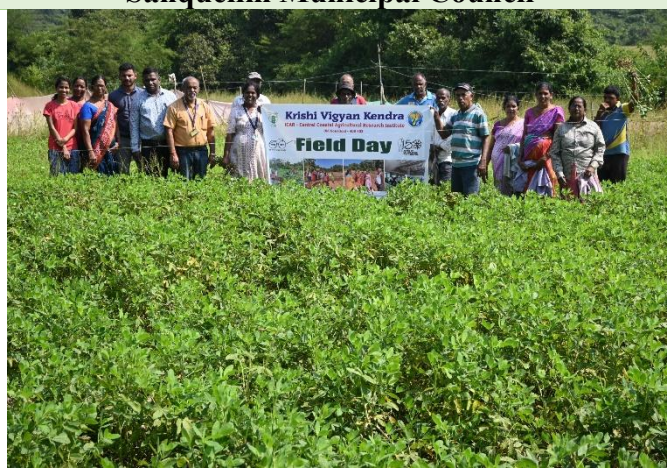
Capacity building programme at Sanquelim Municipality

Celebrated World Food Day at Arle-Keri

Mahila Kisan Diwas celebrated at Chauta, Sanquelim

PM Kisan Samman Samelan Webcast at Sanquelim Municipal Council

Capacity building programme on Beekeeping



Field day on Groundnut at Dhargal

Exposure Visit for Maharashtra Farmers

Celebrated World Soil Day

Orientation programme for Swayampurna Mitra 2.0 North Goa

Orientation programme for Swayampurna Mitra 2.0 South Goa

Training programme on Ornamental Fish Farming

Swachhta Rally

Celebrated Kisan Diwas

Spraying demonstration using drone at Pillar, Tiswadi

Demonstration on CSRB Management at Keri, Sattari

Training on organic input preparation at Chodan, Tiswadi

Demonstration of Goa Dhan-1 and Goa Bio 1 under NICRA at Mayem, Bicholim

Training on Nutritional gardens at Quepem


पी एम किसान सम्मान सम्मेलन
Dr. Parveen Kumar
Shri Vinay D. Tendulkar
Shri Kundan Falari


Krishi Vigyan Kendra
Field Day


सर्व शिक्षा अभियान
SAMRAAT CLUB MARCEL
Activities of