Annual Report
2024-25

KRISHI VIGYAN KENDRA, PURI
(Odisha University of Agriculture & Technology)
At/PO-Sakhigopal, Dist-Puri, PIN-752014
E-mail- kvk.puri@ouat.ac.in, KVKpuri.ouat@gmail.com
Website: www.kvkpuri.org

PROFORMA FOR ANNUAL REPORT2024 (January-December 2024)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E-mail
	Office	FAX	
Krishi Vigyan Kendra, Puri At/Po- Sakhigopal, Dist- Puri, Pin-752014, Odisha	06752273960	06752273960	kvk.puri@ouat.ac.in kvkpuri.ouat@gmail.com

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

Address	Telephone		E-mail
	Office	FAX	
Orissa University of Agriculture & Technology Bhubaneswar-751003, Odisha, India.	(0674)-2397970/ 2397818/ 2397719/ 2397669 / 2397719 / 2397919 / 2397868		registrarouat@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Surya Narayan Mishra		9668509504	suryakrishna4422@gmail.com

1.4. Year of sanction of KVK: 2006

1.5. Staff Position (**as on 1st January, 2024**)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr. Surya Narayan Mishra	Senior Scientist & Head	Plant Protection	Level-12 Cell-7 Rs.95300/-	05.07.23	Permanent	
2	Subject Matter Specialist	Dr.Sumita Acharya	Scientist	Home Science	Level-10 Cell-14 Rs.84700/-	18.06.18	Permanent	
3	Subject Matter Specialist	Dr.DipsikaParamjita	Scientist	Agriculture Engineering	Level-10 Cell-13 Rs.82200/-	23.11.18	Permanent	
4	Subject Matter Specialist	Dr.Ambika Prasad Nayak	Scientist	Fishery	Level-10Cell-18 Rs.95300/-	04.06.21	Permanent	
5	Subject Matter Specialist	Dr. Bishnupada Giri	Scientist	Horticulture	Level-10 Cell-18 Rs.95300/-	10.07.23	Permanent	
6	Subject Matter Specialist	Dr. Sarthak Pattanayak	S.M.S	Agronomy	Level-12 Cell-6 Rs. 67000/-	05.07.23	Permanent	
7	Subject Matter Specialist	Vacant					Permanent	
8	Programme Assistant	Vacant					Permanent	
9	Computer Programmer	Sri Gopal Krushna Ojha	Prog.Asst(Comp.)	-	Level-9 Cell-22 Rs. 64100/-	10.07.23	Permanent	
10	Farm Manager	Sri Rajesha Kumar Mohapatra	Farm Manager	-	Level-9 Cell-5 Rs. 39900/-	05.07.23	Permanent	
11	Accountant / Superintendent	Vacant					Permanent	
12	Stenographer	Sri Bibhu Prasad Dash	Steno cum computer operator	-	Level-7 Cell-18 Rs. 42200/-	1.8.12	Permanent	
13.	Driver	Sri Nirakar Pradhan	Driver cum Mechanic	-	Level-4 Cell-16 Rs. 31100/-	1.09.15	Permanent	
14.	Driver	Sri Bijay Kumar Barik	Driver cum Mechanic	-	Level-4 Cell-16 Rs. 31100/-	12.08.16	Permanent	
15.	Supporting staff	Sri BabajiSethi	Peon cum Watchman	-	Level-1 Cell-15 Rs. 25000/-	07.8.08	Permanent	
16.	Supporting staff	Sri BrajabandhuSahani	Peon cum Watchman	-	Level-1 Cell-15 Rs. 25000/-	08.8.08	Permanent	

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	Admin building 0.0258, Farmers' hostel- 0.0305
2.	Under Demonstration Units	0.0081
3.	Under Crops	13
4.	Orchard/Agro-forestry	0
5.	Others with details	0.3256 2.61
	Total	**16.0**

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1	AdministrativeBuilding						258	Use	ICAR
2	Farmers Hostel	√					305	Not	ICAR
3	Staff Quarters (6)	Nil							
4	Piggery unit	Nil							
5	Fencing	Yes							RKVY
6	Rain Water harvesting structure	Nil							
7	Threshing floor	Nil							
8	Farm godown	√	√ (Roof completed)						
9	Dairy unit					√ (damaged by FANI)		Not	ICAR
10	Poultry unit					√ (damaged by FANI)		Not	ICAR
11	Goatery unit	Nil							

12	Mushroom production unit					Yes		Use	Fund of KVK
13	Shade house					Yes		Use	Fund of KVK
14	Polyhouse					Yes		Use	Fund of KVK
15	Ornamental Fish Unit					Yes		Use	Fund of KVK
16	Vermicompost production Unit					Yes		Use	Fund of KVK
17	Medicinal Plants Unit					Yes		Use	Fund of KVK
18	Ridge & Furrow Model Unit					Yes		Use	Fund of KVK
19	Apiary Unit					Yes		Use	Fund of KVK
20	Azolla Unit					Yes		Use	Fund of KVK
21	Biofloc Unit					Yes		Use	Fund of KVK
22	Mushroom Spawn Unit					Yes		Use	Fund of KVK
23	Bio-product unit					Yes		Use	Fund of KVK

* If not in use then since when and reason for non-use

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Maruti Dzire	2022			
Tractor & Trolly- OR02AN5687/5688	2007	500000	1389 (hr)	Running condition
Bike (Passion Pro)-OR13F2157	2010	48000	39690	Running condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Mridaparishyak Mini Kit	2015	75000	Working condition	ICAR
Mridaparishyak Mini Kit	2016	86000	Working condition	ICAR
b. Farm machinery				
Zero till drill machine (3 row)	2012	20000	Working condition	ICAR
Zero till seed cum fertilizer drill	2012	47500	Working condition	ICAR
Sprinkler rain gun	2016	37456		
Brush cutter	2016	25000	Working condition	ICAR

Power tiller	2016	155500	Working condition	ICAR
Power reaper	2016	116134	Working condition	ICAR
Diesel pumpset	2016	23000	Working condition	ICAR
Axial flow thresher	2016	14100	Working condition	ICAR
Refractometer	2017	4500	Working condition	ICAR
Weighing machine	2017	7500	Working condition	ICAR
Drying cabinet	2018	19898	Working condition	ICAR
Digital refractometer	2018	14950	Working condition	ICAR
Crown cap sealing	2018	5900	Working condition	ICAR
Vaccum sealing	2018	1980	Working condition	ICAR
Food processor	2018	4950	Working condition	ICAR
Paddy straw cutter	2018	1000	Working condition	ICAR
Solar Cabinet Dryer	2018		Working condition	ICAR
Digital Refractometer	2018		Working condition	ICAR
Plastic medium feeder (30 No)	2019	2678	Working condition	ICAR
Plastic grower drinker (15 No)	2019	2410	Working condition	ICAR
Plastic big stand (15no)	2019	535	Working condition	ICAR
Display board with pedestal stand	2019	8400	Working condition	ICAR
Seed display with single cavity	2019	1160	Working condition	ICAR
Seed display with 2 round cavity	2019	1750	Working condition	ICAR
Seed display with 3 round cavity	2019	2000	Working condition	ICAR
Drip irrigation material	2019	19000	Working condition	ICAR
Power sprayer	2023	16719	Working condition	IRRI
Battery sprayer	2023	4800	Working condition	IRRI
Power weeder	2023	88034	Working condition	IRRI
Seed Drill	2023	123200	Working condition	IRRI
c. AV Aids				
Computer (Desktop 3no)	2010, 2012, 2016	38500 49520 36000	Working (one monitor is not Working	ICAR
Laptop (1no)	2018	44900	Working	ICAR
Laptop(1No)	2020	29780	Working condition	ICAR, ARYA
Desktop (1 No)	2020	59000	Working condition	ICAR, ARYA
LCD Projector (2no)	2006 2018	38858	Repairable Working	ICAR

Projector Screen (2No)	2006 2018	4990	Working condition	ICAR
Sound system 1no	2006	15420	Working condition	ICAR
Portable Sound system, 1 No	2020	15000	Working condition	ICAR, ARYA
Digital camera	2017	17900	Working condition	ICAR
Digital camera	2020	80000	Working condition	ICAR, ARYA
Printer cum xerox	2016	44751	Working condition	ICAR
Printer cum scanner (1no)	2020	20000	Working condition	ICAR, ARYA

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Phowrah	2017	440	Working	ICAR
Sickle	2017	220	Working	ICAR
Crowbar	2017	750	Working	ICAR
Gaintee	2017	300	Working	ICAR
Katuri	2017	375	Working	ICAR
Handhow	2017	160	Working	ICAR
Kodi	2017	350	Working	ICAR
Axe	2017	300	Working	ICAR
Garden rake	2017	330	Working	ICAR
Sickle	2017	220	Working	ICAR
Spade (3no)	2017	390	Working	ICAR
Phowrah	2015	200	Working	ICAR
Sabal	2015	640	Working	ICAR
Grafting knife	2017	190	Working	ICAR
Hedge cutter	2017	160	Working	ICAR
Secateurs	2018	310	Working	ICAR
Secateurs	2018	345	Working	ICAR
Power operated Mushroom straw cutter	2022	22000	Working	ICAR-ARYA

1.8. Details of SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1	19.11.2024	30	Popularization of mechanical harvesting of coconut		
			Maintenance rice crop cafeteria including NRRI varieties		
			Intervention for control of panama wilt in banana		
			Demonstration on YMV resistant greengram varieties		
			Management of rice fallow system		
			Create awareness for spawn production in PP bag & cultivation using PP bag spawn.		
			Demonstration on paddy straw mushroom production in semi-compost method		
			Value addition of mushroom		
			Demonstration on straw baler		
			Integrated nutrient management in greengram		
			Popularization of GI catla and Jayanti rohu		
			Quality test of fish feed available in market		
			Promotion of FPO by training, exposure visit & other technological advisor		
			Entrepreneurship development in mushroom involving women farmers		
			Demonstration on use of drone in agriculture		
			Demonstration of NRRI varieties for submerged area		
			Management of white flies in coconut		
			Demonstration on composting on water hyacinth		
			Popularization of use of groundnut oil cake in fish farming		
			Lice management in fish		
			Training on biofloc fish farming		
			Demo on use of stunted fingerlings in fish farming		
			Popularization of climate resilient technology in field		
			Promotion of azolla cultivation		
			Popularization of backyard poultry in semi-intensive system (Aseel/Sonali/kadaknath)		
			Standardization of ingredients for preparation of mushroom/millet cookies		
			Production & supply of arecanut & coconut seedlings to farmers		

			Training on intercropping in coconut		
			Demonstration on coconut climber		
			Use of biofertilizer in vegetable		
			Popularization of NRRI light trap among farmers		
			Introduction & promotion of comb honey		
			Installation of display board with different schemes data for farmers.		

** Salient recommendation of SAC in bullet form*
Attach a copy of SAC proceedings along with list of participants

2.a. District level data on agriculture, livestock and farming situation (2023)

Sl. no.	Item	Information
1	Major Farming system/enterprise	➢ Field crop-Pulses ➢ Field crop-oil seed ➢ Rice-Fallow ➢ Field Crop - vegetable ➢ Field Crop+ vegetable+ dairy ➢ Orchard + mushroom ➢ Field Crop+ vegetable+ floriculture+ dairy+ pisciculture ➢ Field Crop+ poultry+ goatery+ mushroom+ pisciculture ➢ Field Crop+ orchard+ floriculture+dairy/poultry/goatery+ pisciculture ➢ Nursery raising ➢ Mushroom cultivation ➢ Pisciculture ➢ Poultry ➢ Bee keeping ➢ Coir Industry
2	Agro-climatic Zone	East and South Eastern Coastal Plain Zone
3	Agro ecological situation	1. Coastal Alluvial Command 2. Coastal Alluvial Non-command 3. Coastal Alluvial Saline 4. Rainfed Laterite

		5. Rainfed Red and Laterite	
4	Soil type	Red, laterite, brown forest, alluvial and saline	
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Cereals: Rice-(Kharif) - 18.82 q/ha (Rabi) - 34.94q/ha Pulse- 2.50q/ha Oilseed- 18.78q/ha Vegetables-85.29q/ha Millets-5.5q/ha Spices-4.48q/ha	
6	Mean yearly temperature, rainfall, humidity of the district	Temp(Max)- 30.60^0 C (May) Temp (Min)- 23.60^0 C(Dec), Rainfall- 1408 mm Humidity – Maximum- 80%, Minimum- 58%	
7	Production of major livestock products like milk, egg, meat etc.		
		Production- 20583.5 MT	
		Freshwater pond and tanks	3061.35 ha
		Brackish water pond and tanks	4693.53

2.b. Details of operational area / villages (2023)

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
Satyabadi	Otrkera, Mathasahi, Biragobindapur, Jaypur, Atheisa, Basudeipur, Panchukera, Banapur, Sandrasasan, Gualigorada Bharatipur Balapur	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Watermelon 7. Dairy	1. Low yield, disease, pest, weeds, submergence/ flood tolerant 2. Low yield, disease pest, lack of INM, IDM, IPM, Biopesticide /agents, soil salinity ,indiscriminate use of chemicals 3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
	Sanabhimdaspur Bhutpada Jipur Kahnapur	8. Poultry 9. Goat 10. Fishery 11. Mushroom 12. Apiary 13. Vermicompost	nutrition, costly feed, disease, parasite 7. Local breed with low output, disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease & parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity 10. Low yield, spawn, straw unavailability, no round the year production, hygiene 11. Unutilised orchard inter space, lack of awareness on enterprise	of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroecotourism • Promotion of brackish water prawn export • Organic farming
Pipili	Adangapada, Dandamukundapur, Matiapada, Dumukipur, Saraswatipur,	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Dairy	1. Low yield, disease, pest, weeds,submergence/ flood tolerant 2. Low yield, disease pest, lack of INM, IDM,IPM, Biopesticide/agents, soil salinity,indiscriminate use of	• Paddy -HYV, aromatic rice, IDM, IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM, IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM,

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
	Kumareswar Kunjara Bharatipur Abalapur	7. Poultry 8. Goat 9. Inland fishery 10. Mushroom 11. Apiary 12. Vermicompost	chemicals 3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper nutrition, costly feed, disease, parasite 7. Local breed with low output, disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease & parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity 10. Low yield, spawn, straw unavailability, no round the year production, hygiene 11. Unutilised orchard inter space, lack of awareness on enterprise	INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroeco tourism • Promotion of brackish water

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
				prawn export • Organic farming
Nimapada	Gopalpur, Nahatara, Gadatorihan, Dalabhanapur, Haripur, Nuasahi, Sahadapada, Naruda, Jagannathpur, Resinga, Srimukha	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Dairy 7. Poultry 8. Goat 9. Inland fishery 10. Mushroom 11. Apiary	1. Low yield, disease, pest, weeds,submergence/ flood tolerant 2. Low yield, disease pest, lack of INM, IDM,IPM, Biopesticide/agents, soil salinity ,indiscriminate use of chemicals 3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper nutrition, costly feed, disease, parasite 7. Local breed with low output, disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease &parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity 10. Low yield, spawn, straw unavailability, no round the year production, hygiene 11. Unutilised orchard inter space, lack of awareness on enterprise	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
				• Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agro-ecotourism • Promotion of brackish water prawn export • Organic farming
Delanga	Machapada, khairamangalpur, Singhberhampur, Gobindpur	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Dairy 7. Poultry 8. Goat 9. Inland fishery 10. Mushroom 11. Apiary	1. Low yield, disease, pest, weeds,submergence/ flood tolerant 2. Low yield, disease pest, lack of INM,IDM,IPM, Biopesticide/agents, soil salinity ,indiscriminate use of chemicals 3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper nutrition, costly feed, disease, parasite 7. Local breed with low output, disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease &parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity 10. Low yield, spawn, straw unavailability, no round the year	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
			production, hygiene 11. Unutilised orchard inter space, lack of awareness on enterprise	• Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroeco tourism • Promotion of brackish water prawn export • Organic farming
Kanas	Lokpal, Gadabadaput	Pulse	1. Low yield, disease pest, lack of INM,IDM,IPM, Biopesticide/agents, soil salinity ,indiscriminate use of chemicals	• Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals
Kakatpur	Othaka, Mahadevbast, chandikuda, dahikhia,	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Dairy 7. Poultry 8. Goat 9. Inland fishery 10. Mushroom 11. Apiary	12. Low yield, disease, pest, weeds,submergence/ flood tolerant 13. Low yield, disease pest, lack of INM,IDM,IPM, Biopesticide/agents, soil salinity ,indiscriminate use of chemicals 14. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 15. Lack of INM and management 16. Low yield, Sigatoka, Panama wilt,	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
			fruit & shoot borer 17. Lack of fodder, proper nutrition, costly feed, disease, parasite 18. Local breed with low output, disease 19. Inbreeding, faulty buck /kid/ doe management, nutrition, disease & parasite 20. Pond management, unavailability of quality fish seed, high feed cost, low productivity 21. Low yield, spawn, straw unavailability, no round the year production, hygiene 22. Unutilised orchard inter space, lack of awareness on enterprise	• Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroeco tourism • Promotion of brackish water prawn export • Organic farming
Gop	Oruali, Subarnapur,	1. Paddy 2. Pulse 3. Vegetable	23. Low yield, disease, pest, weeds,submergence/ flood tolerant 24. Low yield, disease pest, lack of	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
	sarada, Bangur, Sama, Bhadisha, Chadeigaon,Galabari,Dhumal, Deuli	4. Coconut 5. Watermelon 6. Banana 7. Dairy 8. Poultry 9. Goat 10. Inland fishery 11. Mushroom 12. Apiary	INM,IDM,IPM, Biopesticide/agents, soil salinity ,indiscriminate use of chemicals 25. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 26. Lack of INM and management 27. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 28. Lack of fodder, proper nutrition, costly feed, disease, parasite 29. Local breed with low output, disease 30. Inbreeding, faulty buck /kid/ doe management, nutrition, disease & parasite 31. Pond management, unavailability of quality fish seed, high feed cost, low productivity 32. Low yield, spawn, straw unavailability, no round the year production, hygiene 33. Unutilised orchard inter space, lack of awareness on enterprise	• Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
				• Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroeco tourism • Promotion of brackish water prawn export • Organic farming
Sadar	Naiguan, Arala, Tulasichaura, Alasankha Kapileswarpur Rendua,Talajanga,Patajoshipur, Sukala, Ola	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Dairy 7. Poultry 8. Goat 9. Inland fishery 10. Mushroom 11. Apiary 12. Fish Production	1. Low yield, disease, pest, weeds,submergence/ flood tolerant 2. Low yield, disease pest, lack of INM,IDM,IPM, Biopesticide/agents, soil salinity ,indiscriminate use of chemicals 3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper nutrition, costly feed, disease, parasite 7. Local breed with low output, disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease & parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity 10. Low yield, spawn, straw unavailability, no round the year production, hygiene 11. Unutilised orchard inter space, lack of awareness on enterprise	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
				• Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroeco tourism • Promotion of brackish water prawn export • Organic farming
Krushnaprasad	Panaspada, anandapur, Jadupur, Haripur,Gabaakunda Ora	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Dairy 7. Poultry 8. Goat 9. Inland fishery 10. Mushroom 11. Apiary	1. Salinity of soil & water, Low yield, disease, pest, weeds,submergence/ flood tolerant 2. Low yield, disease pest, lack of INM,IDM,IPM, Biopesticide/agents, soil salinity ,indiscriminate use of chemicals 3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper nutrition, costly feed, disease, parasite 7. Local breed with low output,	• Paddy –Saline tolerant , IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
			disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease & parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity 10. Low yield, spawn, straw unavailability, no round the year production, hygiene 11. Unutilised orchard inter space, lack of awareness on enterprise	• Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroecotourism • Promotion of brackish water prawn export • Organic farming
Brahmagiri	Badadiandi Gadarodanga	1.Fish production		• Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Promotion of brackish water prawn export

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2023) for its development and action plan

Name of village	Block	Action taken for development
Ora	Krushna Prasad	OFT, FLD, Training, Awareness programme
Ola	Puri Sadar	OFT, FLD, Training, Awareness programme
Shreemukha	Nimapara	OFT, FLD, Training, Awareness programme
Gadabadaput	Kanas	OFT, FLD, Training, Awareness programme
Kanhapur	Satyabadi	OFT, FLD, Training, Awareness programme

2.1 Priority thrust areas

S. No	Thrust area
1	INM, IPM, IWM in cereals, pulses, oilseeds and vegetables
2	Varietal substitution of vegetable crops for better yield
3	Millet cultivation
4	Management of problematic soil
5	IDM in betelvine
6	Crop diversification
7	Farm mechanization and agro processing
8	Pond based IFS
9	Intercropping in composite carp culture
10	Ornamental fish culture
11	Small scale entrepreneurship development
12	Value addition of fruits, vegetables and low cost marine fish
13	Household nutritional security

3. TECHNICAL ACHIEVEMENTS

3.A.Details of target and achievement of mandatory activities by KVK during the year

OFT												FLD										
No. of technologies tested: 12												No. of technologies demonstrated:24										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
12	12	83	8	0	0	0	63	15	71	15	83	24	24	218	32	0	0	0	145	41	171	41	218

Training												Extension activities										
Number of Courses		Number of Participants										Number of activities		Number of participants								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
95	95	2570	83	40	0	0	1501	1035	1580	1075	2655	2000	2075	20000	308	137	0	0	21099	2741	21407	2878	24285

Impact of capacity building											Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
377	377	100000	152667

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
Fingerlings-4.0	4.2628	Soil-0.005	0.00550

Poultry chicks-0.003	0.0032	Water-0.002	0.00208
		Plant-0.005	0.01025

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	6						
Seminar/conference/ symposia papers	3						
Books							
Bulletins	2						
News letter							
Popular Articles	1						
Book Chapter	1						
Extension Pamphlets/ literature							
Technical reports							
Electronic Publication (CD/DVD etc)							
TOTAL	**13**						

3.1 Achievements on technologies assessed and refined

OFT-1

1	**Title of On Farm Trial**	**Assessment of deep water rice varieties (23OAG06(K))**
2	**Problem diagnosed**	Low yield due to less tolerant of prevailing varieties to water logging
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Pooja TO1: CR Dhan505 TO2: CR Dhan 506 TO3: CR Dhan 507 TO4:CR Dhan 508
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	NRRI,2014
5	**Production system and thematic area**	Rice –Pulse&Varietal evaluation
6	**Performance of the Technology with performance indicators**	No. of EBT/m^2, No of filled grains/panicle, test weight, yield & economics
7	**Final recommendation for micro level situation**	Rice var. CR Dhan 508 is recommended
8	**Constraints identified and feedback for research**	Deep water rice varieties-CR Dhan 506 (45.8q/ha) performed better than other varieties but due to long duration i.e. 155-160days, the variety was not preferred by farmers as they are cultivating direct seeded rice during 15^{th} of November.
9	**Process of farmers participation and their reaction**	

Thematic area: Varietal evaluation

Problem definition: Low yield due to less tolerant of prevailing varieties to water logging

Technology assessed:

FP: Pooja
TO1: CR Dhan505
TO2: CR Dhan 506
TO3: CR Dhan 507
TO4:CR Dhan 508

Table:

Technology option	Grain Yield (q/ha)	Test Wt. (g)	Filled Grains/ panicle (No.)	Panicle Length (cm)	EBT/m^2 (No.)	Net Return (Rs/ha)	B:C Ratio
FP	41.3	20.8	91	20.1	298	35490	1.60
TO_1	42.5	21.1	94	20.2	301	38250	1.64
TO_2	45.8	22.8	115	22.5	347	45840	1.77
TO_3	43.1	22.1	98	20.8	319	39630	1.67
TO_4	44.1	22.5	105	21.7	331	41930	1.70

Results: Deep water rice varieties-Cr Dhan 506 (45.8q/ha) performed better than other varieties but due to long duration i.e. 155-160days, the variety was not preferred by farmers as they are cultivating direct seeded rice during 15th of November.

Photos

OFT-2

1	**Title of On Farm Trial**	**Assessment of finger millet varieties for better yield (23OAG16(K/R)*)**

2	**Problem diagnosed**	Low yield due to unavailability of suitable varieties
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: fallow land TO1: **Arjun(OEB-526):** Moderately resistant to leaf,neck and finger blast disease,duration-105-110,tolerant to dry spell of 10-12 days at vegetative and 6-8 days at reproductive stage. Yield(25-26 q/ha) **TO2: Kalua**-Semi-dwarf plant height and medium maturity, duration-110, can tolerate dry spell of 8-10 days at vegetative and 5-6 days at reproductive stage. (Yield-25.90 q/ha) **TO3: OUAT Kalinga Ragi 1 (Shreeratna):** Resistant to brown spot and foot rot, moderately resistance to blast , stem borer duration-117days,yield 24.16 q/ha
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	OUAT, BBSR
5	**Production system and thematic area**	Paddy-fallow, Varietal evaluation
6	**Performance of the Technology with performance indicators**	Plant height, no. of effective tillers/m^2 number of fingers per ear, grain weight per ear and 1000-grain weight, Yield (q/ha), Additional income over additional investment and B:C ratio, Yield & economics
7	**Final recommendation for micro level situation**	
8	**Constraints identified and feedback for research**	Weed problem
9	**Process of farmers participation and their reaction**	

Thematic area: Varietal evaluation

Problem definition: Low yield due to unavailability of suitable varieties

Technology assessed:

FP: Fallow land

TO_1: **Arjun(OEB-526):** Moderately resistant to leaf,neck and finger blast disease,duration-105-110,tolerant to dry spell of 10-12 days at vegetative and 6-8 days at reproductive stage. Yield(25-26 q/ha)

TO_2: Kalua-Semi-dwarf plant height and medium maturity, duration-110, can tolerate dry spell of 8-10 days at vegetative and 5-6 days at reproductive stage. (Yield-25.90 q/ha)

TO_3: OUAT Kalinga Ragi 1 (Shreeratna): Resistant to brown spot and foot rot, moderately resistance to blast , stem borer duration-117days,yield 24.16 q/ha

Table:

Technology options	Ear head (nos.)./m2	Grain Yield (q/ha)	Gross Cost (Rs)	Gross Return (Rs)	Net return (Rs/ha)	B:C Ratio
FP	59	8.6	25000	36894	11894	1.48
TO1	121	13.9	25000	59631	34631	2.39
TO2	114	11.2	25000	48048	23048	1.92
TO3	132	14.3	25000	61347	36347	2.45

Results:

OUAT Kalinga Ragi 1 (Shreeratna) resulted 66% higher yield over local variety kala mandia with net return of Rs.36347/ha and benefit cost ratio of 2.45

Photos

OFT-3

1	**Title of On Farm Trial**	**Assessment of herbicides for weed management in Tomato (Code: 23OHO17(R))**
2	**Problem diagnosed**	Low yield due to heavy weed infestation
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Manual weeding TO1: Pre emergence application of Pendimethalin (30% EC) 1kg/ha a.i followed by one hand weeding on30 Days after transplanting TO2: Pre emergence application of Metribuzin (70%WP) 750 g/ha a.i followed by one hand weeding on30 Days after Transplanting
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	ICAR-Directorate of Weed Research,2020
5	**Production system and thematic area**	Rice –vegetable, Weed management
6	**Performance of the Technology with performance indicators**	No. of fruits /plant, weed count/m^2
7	**Final recommendation for micro level situation**	Recommended for rice –vegetable cropping system
8	**Constraints identified and feedback for research**	Weeds like *Cyperus rotundus*, *Cyperus difformis* are not controlled
9	**Process of farmers participation and their reaction**	Farmers accepted

Thematic area: Weed management

Problem definition: Low yield due to heavy weed infestation

Technology assessed:

FP: Manual weeding
TO1: Pre emergence application of Pendimethalin (30% EC) 1kg/ha ai followed by one hand weeding on30 Days after Transplanting

TO2: Pre emergence application of Metribuzin (70%WP) 750 g/ha ai followed by one hand weeding on30 Days after Transplanting

Table:

Technology option	No of weed/m^2	No of fruits/plant	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	398.28	29.71	289.7	208116	434550	226434	2.08
TO_1	95.85	41.14	323.28	202316	484920	282604	2.39
TO_2	52.57	46.85	341.57	198326	512355	314029	2.58

Results:
Photos

OFT-4

1	**Title of On Farm Trial**	**Assessment of INM practices in Banana (Code: 24OSS08(K/R))**
2	**Problem diagnosed**	Low yield due to improper nutrient management
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Application of fertilizer @ 200:100:100 g NPK/plant TO_1: Application of 75% RDF (300:100:300 g NPK/plant) + 125 gm each of Azotobactor,Azospirillum & PSB (incubated in FYM) per plant TO_2: Application of gypsum 1 kg/ plant + FYM 15 kg/ plant + recommended of N, P and 120% K per plant
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	NRC Banana, 2013-14

5	**Production system and thematic area**	Fruit cultivation **&** INM
6	**Performance of the Technology with performance indicators**	No. of fingers/Bunch, Bunch Weight(kg), Yield q/ha, Economics
7	**Final recommendation for micro level situation**	Continuing
8	**Constraints identified and feedback for research**	Continuing
9	**Process of farmers participation and their reaction**	

Thematic area: INM

Problem definition: Low yield due to improper nutrient management

Technology assessed:

FP: Application of fertilizer @ 200:100:100 g NPK/plant

TO_1: Application of 75% RDF (300:100:300 g NPK/plant) + 125 gm each of Azotobactor,Azospirillum & PSB (incubated in FYM) per plant

TO_2: Application of gypsum 2 kg/ plant + FYM 15 kg/ plant + recommended of N, P and 120% K per plant

Table:

Technology option	**No. of fingers/bunch**	**Bunch weight(kg)**	**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**
FP	97.28	9.78	237.28	387815	681600	293785
TO1	122.14	12.14	269.5	422972	808500	385528
TO2	133.71	14.21	287.15	412815	861420	448605

Results:

Photos



OFT-5

1	**Title of On Farm Trial**	**Assessment of IDM modules for management of panama wilt in Banana (Code: 24OPP08(K))**
2	**Problem diagnosed**	Low yield due to high infestation of Panama wilt in Banana
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Spraying of Carbendazim and Dimethoate **TO_1–**Planting of disease-free suckers + apply lime @ 40 g/pit + neem cake @ 250 g/pit + vermicompost 500g + soil drenching of 0.2% Carbendazim 50WP at 2^{nd}, 4^{th}& 6^{th} months after planting (MAP) + stem injection of Carbendazim 50WP @ 2-3 ml/plant (2g/l solution) at 3^{rd}, 5^{th}& 7^{th} MAP **TO_2 :** Planting of disease free suckers + apply lime @ 40 g/pit + neem cake @ 250 g/pit + vermicompost 500 g + soil drenching of 0.1% (Trifloxystrobin + Tebuconazole 75 WP) solution at 2^{nd} , 4^{th}& 6^{th} MAP + stem injection of (Trifloxystrobin + Tebuconazole 75WP) @ 2-3 ml/plant (1g/l solution) at 3^{rd} , 5^{th}& 7^{th} MAP
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	TO1-OUAT AR, 2019 TO2-NRCB, Tamilnadu, 2018
5	**Production system and thematic area**	Banana & IDM
6	**Performance of the Technology with performance indicators**	Cost of intervention. Additional income over additional investment Yield (q /ha), B:C ratio

7	**Final recommendation for micro level situation**	
8	**Constraints identified and feedback for research**	
9	**Process of farmers participation and their reaction**	

Thematic area: IDM

Problem definition: Low yield due to high infestation of Panama wilt in Banana

Technology assessed:

FP: Spraying of Carbendazim and Dimethoate

TO_1–Planting of disease-free suckers + apply lime @ 40 g/pit + neem cake @ 250 g/pit + vermicompost 500g + soil drenching of 0.2% Carbendazim 50WP at 2^{nd}, 4^{th}& 6^{th} months after planting (MAP) + stem injection of Carbendazim 50WP @ 2-3 ml/plant (2g/l solution) at 3^{rd}, 5^{th}& 7^{th} MAP

TO_2 : Planting of disease free suckers + apply lime @ 40 g/pit + neem cake @ 250 g/pit + vermicompost 500 g + soil drenching of 0.1% (Trifloxystrobin + Tebuconazole 75 WP) solution at 2^{nd} , 4^{th}& 6^{th} MAP + stem injection of (Trifloxystrobin + Tebuconazole 75WP) @ 2-3 ml/plant (1g/l solution) at 3^{rd} , 5^{th}& 7^{th} MAP

Table:

Technology Option	Yield (q/ha)	% increase in Yield	Disease infestation %	Gross return (Rs./ha)	Net return (Rs./ha)	B:C Ratio
FP	234.6		14	703800	321000	1.83
TO_1	271.8	15.85	8	815400	408725	2.0
TO_2	286.3	22.03	4	858900	449900	2.1

Results:

Photos



OFT-6

1	**Title of On Farm Trial**	**Assessment of Rhinoceros beetle management in Coconut (Code: 24OPP09(R))**
2	**Problem diagnosed**	Low yield of quality nuts due to high infestation of Rhinoceros beetle, area affected – 2000ha, extent of fruit damage – 35 – 40%
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Spraying of Chloropyriphos / Cypermethrin pesticides **TO_1:** Application of Carbofuran 3G @ 33 kg/ha in manure pits, use of iron hooks, twice application of Chlorantraniliprole 0.4G @ 5g mixed with sand (1:2) in three innermost leaves of the plant at 6 months interval, installation of Rhinolure @12nos./ha **TO_2:** Spraying of 250 ml of Metarrhizium anisopliae culture + 750ml of water in manure pit, use of iron hooks. Soak castor cake 1 kg/5L of water in small mud pots to attract and kill the adults and application of Neem seed powder + sand (1:2) @150 g at the base of the three inner leaves of the plant
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	TO1-CPCRI, Kasaragod, 2016 TO2- TNAU, Coimbatore, 2017
5	**Production system and thematic area**	Vegetable – vegetable&IPM
6	**Performance of the Technology with performance indicators**	Pest incidence (%), Yield, ICBR
7	**Final recommendation for micro level situation**	Recommended

8	**Constraints identified and feedback for research**	
9	**Process of farmers participation and their reaction**	

Thematic area: IPM

Problem definition: Low yield of quality nuts due to high infestation of Rhinoceros beetle, area affected – 2000ha, extent of fruit damage – 35 – 40%

Technology assessed:

FP: Spraying of Chloropyriphos / Cypermethrin pesticides

TO_1: Application of Carbofuran 3G @ 33 kg/ha in manure pits, use of iron hooks, twice application of Chlorantraniliprole 0.4G @ 5g mixed with sand (1:2) in three innermost leaves of the plant at 6 months interval, installation of Rhinolure @12nos./ha

TO_2: Spraying of 250 ml of Metarrhizium anisopliae culture + 750ml of water in manure pit, use of iron hooks. Soak castor cake 1kg/5L of water in small mud pots to attract and kill the adults and application of Neem seed powder + sand (1:2) @150 g at the base of the three inner leaves of the plant

Table:

Technology option	No. of trials	Nuts yield	Gross Cost (Rs)	Gross return (Rs)	Profit(Rs)	B:C Ratio
FP	5	12328	96629	246560	149931	2.53
TO1	5	15288	104179	305760	201581	2.9.
TO2	5	14196	99700	283920	184220	2.8

Results:

OFT-7

1	**Title of On Farm Trial**	**Assessment of various crop establishment methods in rice (Code: 24OAE08(K))**
2	**Problem diagnosed**	Manual random transplanting is a both labour and cost intensive process. Transplanted Paddy is very much affected by heavy rainfall / cyclone
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP:Manual random transplanting TO_1: Tractor drawn 9-row inclined plate planter for direct seeding of rice seeds TO_2: Use of 4-row walk behind type rice transplanter
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	CSISA-DSR (2018)
5	**Production system and thematic area**	Rice –Rice, Farm Mechanization
6	**Performance of the Technology with performance indicators**	Field capacity (ha/h), Labour requirement(MDs/ha), Cost of operation (Rs/ha)
7	**Final recommendation for micro level situation**	In Rainfed medium land situations, farmers can opt for either mechanized line transplanting or direct seeding of short duration Rice varieties provided proper herbicide application is done
8	**Constraints identified and feedback for research**	Weed infestation remains a major threat in DSR.
9	**Process of farmers participation and their reaction**	Training, demonstration, group meeting, workshop and field visit

Thematic area: Farm Mechanization

Problem definition: Manual random transplanting is a both labour and cost intensive process. Transplanted Paddy is very much affected by heavy rainfall / cyclone

Technology assessed:

FP:Manual random transplanting

TO_1: Tractor drawn 9-row inclined plate planter for direct seeding of rice seeds

TO_2: Use of 4-row walk behind type rice transplanter

Table:

Technology	Field	Labour	Cost of	Yield	Cost of	Gross	Net Return	B:C

Options	Capacity (ha/h)	requirement (MDs/ha)	Operation (Rs/ha)	(q/ha)	Cultivation (Rs/ha)	Return (Rs/ha)	(Rs/ha)	ratio
FP	0.005	30	20250	45	52000	90000	38000	1.73
TO_1	0.4	0.41	9800	43	41550	86000	44450	2.06
TO_2	0.143	2.32	14630	49	46380	98000	51620	2.11

Results:

Photos



OFT-8

1	**Title of On Farm Trial**	**Assessment of Tractor drawn rice straw Balers (Code: 24OAE09(R))**
2	**Problem diagnosed**	Collecting the cut straw obtained by combine harvester is cumbersome and laborious. This leads to decomposition before next cropping season. But in maximum instances farmers usually burn the straw causing environmental pollution. There is Scarcity of whole straw for mushroom cultivation due to harvesting by combine harvester. So it is required to produce the mushroom from baled straw

3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Burning of straw in field. TO_1: Collection of cut straw obtained by combine harvester for public sale to be used as cattle feed. TO_2:Tractor drawn round type Rice straw baler
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	TO_1- CIAE, Bhopal,2023-24 TO_2- CIAE, Bhopal,2015-16
5	**Production system and thematic area**	Greengram/Blackgram, Farm Mechanization
6	**Performance of the Technology with performance indicators**	Field capacity (ha/h), Baling capacity (No of bales/h), Avg. weight of Bale (kg), Cost of Bale production (Rs/ha)
7	**Final recommendation for micro level situation**	The use of a tractor drawn baler is definitely helpful to farmers, as it can significantly reduce the practice of straw burning.
8	**Constraints identified and feedback for research**	The height of a round bale is around 3feet and it is very compact. Therefore cutting the bale is quite difficult. Research may be conducted to develop equipment to cut the bale making it suitable for mushroom cultivation.
9	**Process of farmers participation and their reaction**	Training, demonstration and group meeting

Thematic area: Farm Mechanization

Problem definition: Straw burning causes environmental pollution. There is scarcity of whole straw for mushroom cultivation due to harvesting by combine harvester. So it is required to produce the mushroom from baled straw

Technology assessed:

FP: Burning of straw in field.
TO_1: Collection of cut straw obtained by combine harvester for public sale to be used as cattle feed.
TO_2:Tractor drawn round type Rice straw baler

Table:

Technology Option	Field capacity (ha/h)	Baling capacity (No of bales/h)	Avg. Weight of Bale (kg)	Cost of bale Production (Rs/ha)	Gross Income (Rs/ha)	Net Income (Rs/ha)
FP	Nil					

TO_1	0.04	-	12	1248/-	1500/-	252/-
TO_2	0.2	28	30	6000/-	7140/	1140/-

Photos

OFT-9

1	**Title of On Farm Trial**	**Assessment of different intercropping modules in composite carp culture for maximizing fish yield (Code:23OFS03(K)*)**
2	**Problem diagnosed**	Low yield from composite carp culture
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Only three species composite carp culture TO1: Intercropping with minor barbs (Java Punti) 15-20% extra along with 10,000 nos. of IMC TO2: Intercropping with medium size carps (Pengba) 10% extra along with 10,000 nos. of IMC
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	TO1- ICAR-CIFA, Bhubaneswar (2019) TO2 – ICAR-CIFA, Bhubaneswarb(2019 & 2020)
5	**Production system and thematic area**	Pond based farming system &Production and management
6	**Performance of the Technology with performance indicators**	Total yield (q/ha), Survivability(%), SGR, ABW during harvest, Additional income(Rs.), BC ratio

7	**Final recommendation for micro level situation**	-
8	**Constraints identified and feedback for research**	-
9	**Process of farmers participation and their reaction**	-

Thematic area: Production and management

Problem definition: Low yield from composite carp culture

Technology assessed:

FP: Only three species composite carp culture
TO1: Intercropping with minor barbs (Java Punti) 15-20% extra along with 10,000 nos. of IMC
TO2: Intercropping with medium size carps (Pengba) 10% extra along with 10,000 nos. of IMC

Table:

Technology Option	Yield (q/ha)	% change in Yield	Yield components			Cost of cultivation (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs./ha)	BC Ratio
			Interim yield (q/ha) from intercrop	Yield from IMCs (q/ha)	Avg. plankton density / 50 l pond water				
FP	27.80	-	-	27.80	2.5	1,68,500	3,33,000	1,64,500	1.97
TO_1	32.50	16.90	4.80	27.70	2.0	1,82,300	4,10,000	2,27,700	2.25
TO_2	30.80	10.79	3.23	27.57	2.2	1,77,000	3,76,000	1,99,000	2.12

Results:

OFT-10

1	**Title of On Farm Trial**	**Assessment of different ICAR developed anti-ectoparasitic formulations to treat Anchor worm & carp lice (Code:23OFS05(Y)*)**
2	**Problem diagnosed**	Low yield from composite carp culture due to frequent infestation of *Lernaea*&*Argulus* on body surface of carps
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Use of only inorganic pyrethroids like Cypermethrin 10% EC / Deltamethrin 2.8% EC@ 0.01 ppm TO_1: Ivermectin 2% w/w in fish feed @ 250ppm & fed to the fishes for 4-5 days TO_2: Application of CIFRI- Argcure (TANDAV) @ 40 ml/acre-m/dose in 3 doses in weekly intervals
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	TO1-**:** ICAR-CIFA, Bhubaneswar (2015) TO2- ICAR-CIFRI, Barrackpore (2023)
5	**Production system and thematic area**	Pond based & Disease management
6	**Performance of the Technology with performance indicators**	Disease incidence (%), Survivability(%), SGR, ABW during harvest, Cost saving (Rs.), BC ratio
7	**Final recommendation for micro level situation**	-
8	**Constraints identified and feedback for research**	-

9	**Process of farmers participation and their reaction**	-

Thematic area: Disease management

Problem definition: Low yield from composite carp culture due to frequent infestation of *Lernaea*&*Argulus* on body surface of carps

Technology assessed:

FP: Use of only inorganic pyrethroids like Cypermethrin 10% EC / Deltamethrin 2.8% EC@ 0.01 ppm
TO_1: Ivermectin 2% w/w in fish feed @ 250ppm & fed to the fishes for 4-5 days
TO_2: Application of CIFRI- Argcure (TANDAV) @ 40 ml/acre-m/dose in 3 doses in weekly intervals

Table:

Technology Option	Yield (q/ha)	Disease incidence (%)	Survival Rate (%)	Plankton density (ml/ 50 l of pond water)	ABW of fishes during harvesting (g)	Gross Expenditure (Rs/ha)	Gross Income (Rs/ha)	Net Income (Rs/ha)	BC Ratio
FP	23.30	12	60.5	2.0	506.60	1,76,800/-	2,62,200/-	91,900/-	1.53
TO_1	33.50	2	76.4	2.4	570.60	1,96,500/-	3,92,300/-	1,96,300/-	2.00
TO_2	29.85	3	73.2	2.2	558.40	1,92,700/-	3,59,800/-	1,67,100/-	1.87

Results:

Photos

OFT-11

1	**Title of On Farm Trial**	**Refinement of the improved techniques for cultivation of Paddy straw mushroom (*Volvariella volvacea)* using crumpled straw (Code: 23OHS01(K))**
2	**Problem diagnosed**	Less income due to less yield
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Rectangular compact method Size-45x60x30 Mushroom production by using crumpled paddy straw -5kg with normal practice (soaking in water 5hrs with 2% calcium carbonate), unknown age of spawn, 3% of dry substrate weight), pulse powder 3% dry substrate weight, BE-8-10% TO_1: Square compact bed size (45 × 45x 45 cm) Mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCo3, 14-20 days age spawn at 3% of dry substrate weight and pulse powder (at 3% dry substrate weight) TO_2: Circular compact bed size -(45 cm diameter, 45 cm height) Mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCo3, 14-20 days age spawn at 3% of dry substrate weight and pulse powder (at 3% dry substrate weight)
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore,2012
5	**Production system and thematic area**	Mushroom Production
6	**Performance of the Technology with performance indicators**	Average buttons/bed (number), Average weight/button (g), B.E. (%), Yield/bed (g)

7	**Final recommendation for micro level situation**	Homogenous moisture level and bed temperature between layers lead to more pinheads and buttons in the Circular Bed with an increase in yield of 23.2%.
8	**Constraints identified and feedback for research**	Storage of crumpled straw for commercial cultivation is difficult
9	**Process of farmers participation and their reaction**	Training, Group discussion, demonstration

Thematic area: Mushroom Production

Problem definition: Less income due to less yield

Technology assessed:

FP: Rectangular compact method Size-45x60x30 Mushroom production by using crumpled paddy straw -5kg with normal practice (soaking in water 5hrs with 2% calcium carbonate), unknown age of spawn, 3% of dry substrate weight), pulse powder 3% dry substrate weight, BE-8-10%

TO1: Square compact bed size (45 × 45x 45 cm) Mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCo3, 14-20 days age spawn at 3% of dry substrate weight and pulse powder (at 3% dry substrate weight)

TO2: Circular compact bed size -(45 cm diameter, 45 cm height) Mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCo3, 14-20 days age spawn at 3% of dry substrate weight and pulse powder (at 3% dry substrate weight)

Table:

Technology Option	Yield (g/bed)	Increase in %	Biological efficiency (%)	Average buttons /Bed (number)	Average weight per button (g)	Cost of Cultivation Rs/bed	Gross Income Rs/bed	Net Income Rs/bed	BC Ratio
FP	460		9.2	19.66	24	45	69	24	1.53
TO_1	520	13.04	10.4	20.8	25	45	78	33	1.73
TO_2	580	26.08	11.6	23.2	25	45	87	42	1.93

Results: Circular compact beds ensure uniform moisture and temperature, leading to early pinhead formation and higher yield (26.08% BE), but are not preferred by commercial mushroom growers.

Photos


OFT-12

1	**Title of On Farm Trial**	**Assessment of Mushroom Nutri-Cereal Cookies for enhancing income of SHGs/FPOs (Code: 23OHS02(R))**
2	**Problem diagnosed**	Limited value addition and distress selling.
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Preparation of cookies using refined wheat flour TO_1 : Mushroom fortified millet cookies-Sorghum flour: oyster mushroom powder (80:20) along with other ingredient such sugar (30%), ghee (bakery fats) (45%), baking powder (0.6 %), ammonium bicarbonate (0.3%), salt (0.6 %), milk powder (1.5 %) and vanilla essence (0.02%) TO_2: Preparation of Mushroom Nutri-Cereal Cookies- Oyster mushroom (*Hypsizygous ulmarious*) powder in combination with 5 different millet flours (sorghum/jowar, pearl millet/bajra, corn/ maize, finger millet/ragi and little millet/Sawai) Millets: Mushroom (80:20) sugar /Jaggery (30%), ghee (bakery fats) /butter (45%), baking powder (0.6 %), Sodium bicarbonate (0.3%), salt (0.6 %), milk powder (1.5 %) and vanilla essence (0.02%)
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	ICAR DMR Solan-2022 IIHR ANNUAL REPORT 2021
5	**Production system and thematic area**	Vegetable- Vegetable & Income generation

6	**Performance of the Technology with performance indicators**	Shelf life(days), Sensory Evaluation (0–9-point hedonic scale), Gross cost (Rs.), Gross Return (Rs.), B:C
7	**Final recommendation for micro level situation**	Mushroom Millet cookies protein content is more
8	**Constraints identified and feedback for research**	Ingredient proportion is not proper to make the product crispy
9	**Process of farmers participation and their reaction**	Training, Group discussion, demonstration

Thematic area: Income generation

Problem definition: Limited value addition and distress selling.

Technology assessed:

FP: Preparation of cookies using refined wheat flour

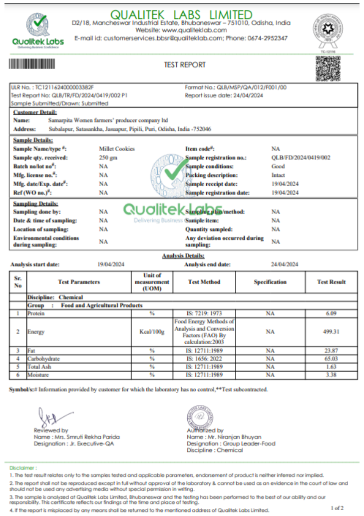
TO_1 : Mushroom fortified millet cookies-Sorghum flour: oyster mushroom powder (80:20) along with other ingredient such sugar (30%), ghee (bakery fats) (45%), baking powder (0.6 %), ammonium bicarbonate (0.3%), salt (0.6 %), milk powder (1.5 %) and vanilla essence (0.02%)

TO_2: Preparation of Mushroom Nutri-Cereal Cookies- Oyster mushroom (*Hypsizygous ulmarious*) powder in combination with 5 different millet flours (sorghum/jowar, pearl millet/bajra, corn/ maize, finger millet/ragi and little millet/Sawai) Millets: Mushroom (80:20) sugar /Jaggery (30%), ghee (bakery fats) /butter (45%), baking powder (0.6 %), Sodium bicarbonate (0.3%), salt (0.6 %), milk powder (1.5 %) and vanilla essence (0.02%)

Table:

Technology Option	Sensory evaluation (9- point hedonic scale)	Shelf Life (Months)	Cost of Product Rs. /10 Kg	Gross Income Rs. /10 Kg	Net Income Rs. /10 Kg	B:C Ratio
FP	7.6	3 Month	2700	5000	2300	1.85
TO_1	8.4	3 Month	3000	7000	4000	2.33
TO_2	8.6	3 Month	2550	7000	4750	2.74

Results:



QUALITEK LABS LIMITED
D2/18, Mancheswar Industrial Estate, Bhubaneswar – 751010, Odisha, India
Website: www.qualiteklab.com
E-mail id: customerservices.bbsr@qualiteklab.com; Phone: 0674-2952347

TEST REPORT

ULR No. : TC1211624000003382F
Format No.: QLB/MSP/QA/012/F001/00
Test Report No: QLB/TR/FD/2024/0419/002 P1
Report issue date: 24/04/2024
Sample Submitted/Drawn: Submitted

Customer Detail:
Name: Samarpita Women farmers' producer company ltd
Address: Subalapur, Satasankha, Jasuapur, Pipili, Puri, Odisha, India -752046

Sample Details:

Sample Name/type #:	Millet Cookies	**Item code#:**	NA
Sample qty. received:	250 gm	**Sample registration no.:**	QLB/FD/2024/0419/002
Batch no/lot no#:	NA	**Sample conditions:**	Good
Mfg. license no.#:	NA	**Packing description:**	Intact
Mfg. date/Exp. date#:	NA	**Sample receipt date:**	19/04/2024
Ref (WO no.)#:	NA	**Sample registration date:**	19/04/2024

Sampling Details:

Sampling done by:	NA	**Sampling plan/method:**	NA
Date & time of sampling:	NA	**Sample item:**	NA
Location of sampling:	NA	**Quantity sampled:**	NA
Environmental conditions during sampling:	NA	**Any deviation occurred during sampling:**	NA

Analysis Details:
Analysis start date: 19/04/2024 **Analysis end date:** 24/04/2024

Sr. No	Test Parameters	Unit of measurement (UOM)	Test Method	Specification	Test Result
	Discipline: Chemical				
	Group : Food and Agricultural Products				
1	Protein	%	IS: 7219: 1973	NA	6.09
2	Energy	Kcal/100g	Food Energy Methods of Analysis and Conversion Factors (FAO) By calculation:2003	NA	499.31
3	Fat	%	IS: 12711:1989	NA	23.87
4	Carbohydrate	%	IS: 1656: 2022	NA	65.03
5	Total Ash	%	IS: 12711:1989	NA	1.63
6	Moisture	%	IS: 12711:1989	NA	3.38

Symbol/s:# Information provided by customer for which the laboratory has no control,**Test subcontracted.

Reviewed by
Name : Mrs. Smruti Rekha Parida
Designation : Jr. Executive-QA

Authorized by
Name : Mr. Niranjan Bhuyan
Designation : Group Leader-Food
Discipline : Chemical

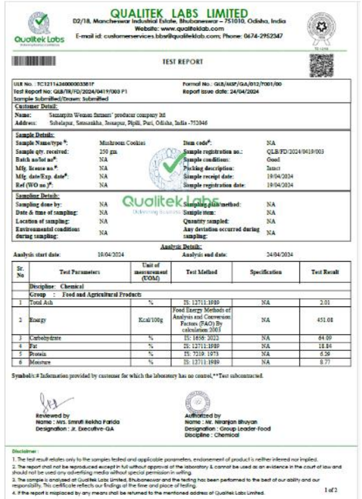
Disclaimer :
1. The test result relates only to the samples tested and applicable parameters, endorsement of product is neither inferred nor implied.
2. The report shall not be reproduced except in full without approval of the laboratory & cannot be used as an evidence in the court of law and should not be used any advertising media without special permission in writing.
3. The sample is analyzed at Qualitek Labs Limited, Bhubaneswar and the testing has been performed to the best of our ability and our responsibility. This certificate reflects our findings at the time and place of testing.
4. If the report is misplaced by any means shall be returned to the mentioned address of Qualitek Labs Limited.

1 of 2

Nutritional Profile/250 g

Protein-6.09%
CHO-65.03g%
Fat-23.87%
Energy-499.31Kcal/100g
Total Ash-1.63%
Moisture-3.38%

Millet Cookies Lab Test Report



QUALITEK LABS LIMITED
D2/18, Mancheswar Industrial Estate, Bhubaneswar – 751010, Odisha, India
Website: www.qualiteklab.com
E-mail id: customerservices.bbsr@qualiteklab.com; Phone: 0674-2952347

TEST REPORT

ULR No. : TC1211624000003381F
Format No.: QLB/MSP/QA/012/F001/00
Test Report No: QLB/TR/FD/2024/0419/003 P1
Report issue date: 24/04/2024
Sample Submitted/Drawn: Submitted

Customer Detail:
Name: Samarpita Women farmers' producer company ltd
Address: Subalapur, Satasankha, Jasuapur, Pipili, Puri, Odisha, India -752046

Sample Details:

Sample Name/type #:	Mushroom Cookies	**Item code#:**	NA
Sample qty. received:	250 gm	**Sample registration no.:**	QLB/FD/2024/0419/003
Batch no/lot no#:	NA	**Sample conditions:**	Good
Mfg. license no.#:	NA	**Packing description:**	Intact
Mfg. date/Exp. date#:	NA	**Sample receipt date:**	19/04/2024
Ref (WO no.)#:	NA	**Sample registration date:**	19/04/2024

Sampling Details:

Sampling done by:	NA	**Sampling plan/method:**	NA
Date & time of sampling:	NA	**Sample item:**	NA
Location of sampling:	NA	**Quantity sampled:**	NA
Environmental conditions during sampling:	NA	**Any deviation occurred during sampling:**	NA

Analysis Details:
Analysis start date: 19/04/2024 **Analysis end date:** 24/04/2024

Sr. No	Test Parameters	Unit of measurement (UOM)	Test Method	Specification	Test Result
	Discipline: Chemical				
	Group : Food and Agricultural Products				
1	Total Ash	%	IS: 12711:1989	NA	2.01
2	Energy	Kcal/100g	Food Energy Methods of Analysis and Conversion Factors (FAO) By calculation 2003	NA	451.08
3	Carbohydrate	%	IS: 1656: 2023	NA	64.09
4	Fat	%	IS: 12711:1989	NA	18.84
5	Protein	%	IS: 7219: 1973	NA	6.29
6	Moisture	%	IS: 12711:1989	NA	8.77

Symbol/s:# Information provided by customer for which the laboratory has no control,**Test subcontracted.

Reviewed by
Name : Mrs. Smruti Rekha Parida
Designation : Jr. Executive-QA

Authorized by
Name : Mr. Niranjan Bhuyan
Designation : Group Leader-Food
Discipline : Chemical

Disclaimer :
1. The test result relates only to the samples tested and applicable parameters, endorsement of product is neither inferred nor implied.
2. The report shall not be reproduced except in full without approval of the laboratory & cannot be used as an evidence in the court of law and should not be used any advertising media without special permission in writing.
3. The sample is analyzed at Qualitek Labs Limited, Bhubaneswar and the testing has been performed to the best of our ability and our responsibility. This certificate reflects our findings at the time and place of testing.
4. If the report is misplaced by any means shall be returned to the mentioned address of Qualitek Labs Limited.

1 of 2

Nutritional Profile/250 g

Protein-6.29%
CHO-64.09g%
Fat-18.84%
Energy-451.08Kcal/100g
Total Ash-2.01%
Moisture-8.77%

Mushroom Millet Cookies Lab Test Report

Photos

Preparation of Millet Cookies

Baking of Millet Cookies

Samarpita FPO Members participated in Exhibition at CIWA, Bhubaneswar

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1	Rice	Weed Management	**Demonstration on weed management in rice** **FP:** Pre-emergence application of pretrilachlor @ 0.5 kg ai/ha **Demo:**Application of Cyhalofop butyl + Penoxulam @ 135g ai/ha at 20 DAT	2	2									10	
2	Maize	Weed management	**Demonstration on weed management in maize** **FP:** Hand weeding 30 DAS **Demo:**Post emergence application of Tembotrione 100g/ha + Atrazine 500g/ha at 20 DAS+ one hand weeding at 40DAS	2	2									10	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Rice	*Kharif*, 2024	Rain fed Low & medium land	Loamy	260	17	125	Fallow	21.06.2024	9.11.2024	420	28
Maize	*Rabi*, 2024-25	Rain fed up land	Loamy	258	16	121	Rice	11.12.2024	5.3.2025	280	12

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

Performance of FLD

Crop	Yield (q/ha)		% increase in yield	Other Parameter								Gross cost (Rs)		Gross Return (Rs)		Net Return (Rs)		B C Ratio	
	Demo	Local		Total weed count/m^2 (No.)		EBT/m^2 (No.)		WCE (%)		WI		Demo	Local	Demo	Local	Demo	Local	Demo	Local
				Demo	Local	Demo	Local	Demo	Local	Demo	Local								
Rice	47.2	42.5	2.85	4.1	18.2	329	315	81.1			3.84	60000	59000	108560	97750	48560	38750	1.81	1.66
Maize	67.56	60.5		6.5	20.6	370 (nos. of grain/cobb	330. (nos. of grain/cobb	84	-	-	10	52600	49500	150321	134613	97721	85113	2.86	2.72

Oilseeds:

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Name of the technology	No. of Farme	Area	Yield (q/ha)	% Increas	*Economics of demonstration (Rs./ha)	*Economics of check (Rs./ha)

		demonstrated	rs	(ha)	Demo	Check	e	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Sunflower	Nutrient management	**Demonstration on integrated nutrient management in Sunflower FP:** Improper use of fertilizer **Demo:**STB fertiliser application (RDF: 60-80-60 kg N: P_2O_5: K_2O/ha) + $ZnSO_4$ @ 25 kg/ha + Borax @10 kg/ha + Biofertilizer (Azotobacter +Azospirillum + PSB 1:1:1 @4 kg /ha each) incubated with FYM for 7 days/ha at 20 DAS	10	2	8.82	5.46	61.53	35700	64209.6	28509.6	1.80	25500	39748.8	14248.8	1.56

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Groundnut	Varietal Substitution	**Demonstration on groundnut HYV** **FP:** Growing of variety "Devi" **Demo:"**Kalinga groundnut-101"- Cultivation of groundnut HYV "Kadiri Lepakshi"	10	2	22.1	17.65	25.2	51500	148070	96570	2.88	51500	118255	66755	2.30

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

Pulses

Frontline demonstration on pulse crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
	Total														

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

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Chilli	ICM	**Demonstration on application of PGR in chilli** **FP:** Spray of amino acid **Demo:**Spray of Triacontanol @ 1.25ml/liter at 40, 60 and 80th days of planting.	10	1.0	141.3	119.8	17.94	139.8 Fruits/plant	110.2 Fruits/plant	205866	419300	213434	2.03	207366	494550	287184	2.38
Okra	Weed management	**Demonstration on weed management in okra** **FP:** Manual weeding **Demo:**Pendimethalin @750 g a.i /ha.as pre-emergence followed by Quizalofop ethyl	10	1.0	119.8	101.6	17.91	53.8 Weed/ m^2	139.8 Fruits/plant	178184	359400	181216	2.01	174484	304800	130316	1.75

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Tomato	ICM	**Demonstration on application of PGR in tomato** **FP:** Spray of sea weed extract **Demo:** Spray of PGRs comprising of NAA@15ppm + Salicyclic Acid	10	1.0	342.4	291.3	17.54 Fruits/plant	44.8 Fruits/plant	32.5	208336	513600	305264	2.46	208116	436950	228834	2.09
Bitter gourd	INM	**Demonstration on INM in bitter gourd** **FP: Improper nutrient management** **Demo:** STBF + vermicompost (2.5 ton/ha) + Azotobator: Azospirillum: PSB@1:1:1 @ 4 kg/ha applied 3 time (basal, 30 days & 45 days)	10	1.0	147.9	123.6	19.66	74.7 g/fruit	54.1 g/fruit	205639	443700	238061	2.15	203539	370800	167261	1.82

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Chilli	IPM	**Demonstration on integrated management of thrips and mite in Chilli FP:** Applicationof dimethoate @1lit/ha **Demo:**Soil application of Neem cake @ 2.5 q/ha, installation of blue sticky traps @ 50 nos/ha at 25 DAT, alternate application of Difenthiuron 50WP @ 625 g/ha and Spiromesifen 240 SC @ 500 ml/ha at 10 days interval starting from 30 DAT	10	1	134.6	112.4	19.75			211800	538400	326600	2.54	205800	449600	243800	2.18

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Bitter gourd	IDM	**Demonstration on integrated management of fruit fly in Bitter gourd** **FP:** Application of acefate @ 1kg/ha **Demo:** Food Bait (*Mixture of cucumber fruit pulp 100 g + 100 ml cow urine + 100 g jaggery + 0.5 l water kept for overnight and diluted in 15 l water*) to be placed 5 times at weekly interval from initiation of fruiting, installation of Pheromone traps @ 25/ha at 30 DAG followed by spraying of Spinosad 45 SC @ 200 ml/ha thrice at 15 days interval from initiation of flowering	10	1	143.8	124.3	18.1			208160	440400	232240	2.11	203500	372900	169400	1.83

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Rice	IDM	**Demonstration in management of sheath blight in rice** **FP:** Spraying of copper oxychloride @ 2.5 g/lit for management of sheath blight **Demo:**Spraying of the combination fungicide Azoxystrobin 18.2 % + Difenconazole 11.4 % @ 1ml/lit twice at 15 days interval starting from initiation of the infection	10	2	44.8	38.1	17.58			91092	134400	43308	1.5	86092	114300	28208	1.32

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Tomato	IPM	**Demonstration on integrated management of leaf miner in tomato** **FP:** Application of dimethoate @1lit/ha **Demo:** Soil application of Neem cake @ 250kg/ha, alternate application of neem-based formulation 1500 ppm @ 2.5 lit/ha and Spinetoram @ 400 ml/ha	10	1	342.8	296.2	15.66			212100	513900	301800	2.42	208100	444300	236200	2.13

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Tulsi	Varietal substitution	**Demonstration of Tulsi Var. CIM-Ayu for income generation** **FP:** Cultivation of Local Var. Tulsi **Demo:**Cultivation of Tulsi Var.CIM-Ayu	10	0.04	176	112	57.14	-	-	88000	176000	88000	2.0	80500	112000	24000	1.27
Sweetpotato	Varietal substitution	**Demonstration of bio-fortified sweet potato variety Bhu Sona for nutritional security of farm family** **FP:** Local Variety **Demo:** Cultivation of bio-fortified sweet potato variety Bhu Sona	10	0.04	172.7	117.4	55.3	-	-	54800	129525	74725	2.36	42550	82180	39630	1.93

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Tomato	NRM	**Demonstration of drip irrigation with mulching in Tomato** **FP:** No mulching with furrow irrigation **Demo:** Use of 50 micron mulch film with inline drip irrigation (emitter discharge 2lph) operating for 1hr -2hr daily and Water use efficiency will be increased by 30-40%, yield enhancement (15-20)%	2	0.04	326.8	272.4	19.97	Rate of irrigation applied (litre per plant) 29.2	Rate of irrigation applied (litre per plant) 63.4	188315	392160	203845	2.08	168540	326880	158340	1.93

Livestock

Category	Thematic	Name of the technology	No. of Farmer	No. of	Major parameters	% change	Other parameter	*Economics of demonstration (Rs.)	*Economics of check (Rs.)

	area	demonstrated		units	Demonstration	Check	in major parameter	Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry	Poultry in backyard	**Demonstration poultry breed Kalinga Pallishree in backyard** **FP:** Rearing of Vana raja breed without proper management **Demo:**Rearing of Kalinga Pallishree chicken breed with proper brooding management for 21 days followed by free range feeding	Continuing														
Rabbitory																	

Pigerry																	
Sheep & goat																	
Duckery																	
Others																	
Total																	

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

Fisheries

Category	**Thematic area**	**Name of the technology demonstrated**	**No. of Farmer**	**No. of units**	**Yield ()**		**% change in major parameter**	**Other parameter**		***Economics of demonstration (Rs.)**				***Economics of check (Rs.)**			
					Demonstration	**Check**		**Demonstration**	**Check**	**Gross Cost**	**Gross Return**	**Net Return**	**** BCR**	**Gross Cost**	**Gross Return**	**Net Return**	**** BCR**

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Yield ()		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Fish	Biofloc culture	**Demonstration of mixed carp stunted fingerlings production in biofloc culture system** **FP:**Production of low-cost air-breathing fishes in biofloc **Demo:**Stocking of 10,000 nos. of mixed carp advance frys or early fingerlings in a biofloc tank of 10 ton capacity with a production potential of 4,000 nos. (200kg) of bigger size stunted fingerlings within 3 months of culture period	6	6	4.2 q/10 T tank/ 6 months	1.76	138.63	Disease incidence (%) 2	14	34,000	65,000	31,000	1.91	28,400	45,100	15,700	1.59

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Yield ()		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Fish	Species diversification	**Demonstration of Genetically Improved (GI) catla in composite carp culture** **FP:**Culture of traditional catla in composite carp culture **Demo:**Incorporation of GI-catla in composite carp culture with species ratio :- GI-Catla: Rohu: Mrigal::3:4:3 @ 10000 nos/ha.	11	11	38.9 q/ha	34.1	14.07	ABW of catla during harvest (g) 1100	930	2,38,200	4,78,000	2,39,800	2.0	2,20,100	4,02,000	1,81,400	1.83

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Yield ()		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Fish	Production and management	**Demonstration of CIFA-carp grower fish feed** **FP:** Use of traditional oilcake-bran mixture as fish feed (2-5% of biomass daily) **Demo:** Use of cost-effective CIFA- carp grower floating fish feed (1-3% of biomass daily)	4	4	40.18 q/ha	31.24	28.61	FCR-1.4	2.35	2,15,200	4,80,000	2,64,800	2.23	1,77,600	3,74,800	1,97,200	2.11

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Yield ()		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Fish	Production and management	**Demonstration of GI Scampi in carp poly-culture system** **FP:**Use of traditional prawn seeds (maximum from wild collection) in carp polyculture system with stocking density Catla:Rohu:Prawn PLs:3000:4000:10000 **Demo:**Use of GI prawn seeds in carp polyculture system with stocking density Catla:Rohu:GI Prawn PLs::3000:4000:10000	9	9	Carp + scampi (q/ha)- 27.1 + 4.81 =31.91	26.4 + 3.72= 30.12	5.94	Avg. size of Scampi during harvest (g)-74	62	2,12,000	4,88,000	2,76,000	2.3	1,98,700	4,20,600	2,21,900	2.1

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

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR

Bee keeping	**Demonstration on comb honey production technology in Asian bee for income generation of farmwomen** **FP:**Honey production by manual extraction **Demo:**Selection area for comb honey production, maintenance of young prolific queen with populous colony in a hive with ISI specification particularly w.r.t bee space, training and stimulating the bees to construct new natural combs, fixing new comb in comb honey production frame and fixing it with wooden or plastic ISI specified frame size (208X65X23mm), collection of comb honey frames when sealed cent percent in super chamber.	Continuing														

Paddy straw Mushroom																
Milky mushroom																
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl. specify)																
Total																

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

Women empowerment

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women					
Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

Farm implements and machinery

Name of the implement	**Crop**	**Name of the technology demonstrated**	**No. of Farmer**	**Area (ha)**	**Field observation (output/man hr)**		**% change in major parameter**	**Labor requirement in digging 200 holes**		**Cost of digging holes (Rs/200 holes)**		**Time utilized (h) in digging 200 holes**	
					Demonstration	**Check**		**RP**	**FP**	**RP**	**FP**	**RP**	**FP**

Self-Propelled hole digger	Pointed gourd	**Demonstration of Post hole digger for establishment of trellis in Pointed gourd** **FP:**Digging holes by Phawra **Demo:**Post hole Digger having 1.0hp petrol motor with auger size varies from 4'' - 12''	10	1.0	35 pits/hr	5 pits/hr	600	0.5	3.34	285	1340	20	2.85

Tractor drawn 9-row multi crop Seed cum fertilizer drill	Groundnut	**Demonstration of Tractor drawn 9-row multi crop Seed cum fertilizer drill in Groundnut** **FP:** Sowing of Groundnut behind the bullock drawn plough **Demo** -Use of Tractor drawn 9-row Seed cum fertilizer drill for sowing of Groundnut.	10	2	Field capacity – 0.4ha/h	Field capacity – 0.03ha/h	1233.34	Labour requirement (MDs/ha) -0.41	Labour requirement (MDs/ha) -5.2	Cost of operation (Rs/ha)- 7500/-	Cost of operation (Rs/ha)- 13875/-	No. of missing plant/meter length – (1-2)	No. of missing plant/meter length – nil

Coconut dehusker	Coconut	**Demonstration of Power operated Coconut dehusker** **FP:** Manual dehusking by billhook **Demo:**5hp electric motor is fitted to dehusk the coconut	10	10	Dehusking capacity – 180nos/hr	Dehusking capacity – 120nos/hr	50	Cost of dehusking (Rs/100 nuts) 29/-	Cost of dehusking (Rs/100 nuts) 47/-	Time requirement for 100 nuts (h) 0.5	Time requirement for 100 nuts (h) 0.8	Dehusking efficiency (%) 96.62	Dehusking efficiency (%) 92.8

Drip irrigation	Tamato	**Demonstration of drip irrigation with mulching in Tomato** **FP:**No mulching with furrow irrigation **Demo:**Use of 50 micron mulch film with inline drip irrigation (emitter discharge 2lph) operating for 1hr -2hr daily and Water use efficiency will be increased by 30-40%, yield enhancement (15-20)%											

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

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
Cereals				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (Pl.specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl.specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl.specify)										

Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl.specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl.specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl.specify)										
Total										

Good quality photographs of FLDs

Demonstration on weed management in rice **Demonstration on weed management in maize**

Demonstration on integrated nutrient management in Sunflower

Demonstration on INM practices in bitter gourd



Demonstration on use of herbicide in okra



Demonstration on foliar application of growth regulator in chilli



Demonstration on use of growth regulator in tomato


Demonstration of Power operated Coconut Dehusker



Demonstration of Engine operated post hole digger for establishment of trellis in Pointedgourd


Demonstration of mixed carp stunted fingerlings production in Biofloc culture system


Demonstration of genetically improved (GI) catla in composite carp culture


Demonstration of CIFA-carp grower floating fish feed in fish grow-out ponds



Demonstration of GI scampi in carp poly-culture system



Demonstration of bio-fortified sweet potato variety Bhu Sona

Demonstration of Tulsi Var. CIM Ayu in the backyard for income generation

Demonstration on Aseel in the backyard system

Demonstration on comb honey production technology

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Tulsi	CIM-Ayu Tulsi is well-suited for the Puri district due to its climate resilience, with higher yield and extra income from its high market demand and rich aroma.
2	Sweet Potato	Farmers appreciated BHU Sona variety Sweet Potato for its higher provitamin a, improved taste, increased yield by 55.3% and added profit of Rs.35095/-

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training				
3.	Media coverage				
4.	Training for extension functionaries				

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif, 2024 and Rabi, 2024-25: Oilseed Model Village

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized(%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1.	Groundnut	Devi	17.2 q/ha	17.5	17.83	24.30	Groundnut (var. Kadri Lepakshi) @ 150kg/ha + seed treatment with vitavax power 2g/kg of seeds + need based plant protection chemicals.	392	100	23.2	19.6	21.4	22.28	20.02	-20.26
2.	Sesame	Kalarashi	3.6 q/ha	3.4	3.8	-	Sesame (var. Kalinga Sesame 3-1) @ 7kg/ha + seed treatment with vitavax power 2g/kg of seeds +	165	100	Crop at flowering stage					

							soil application of micronutrient mixture @100 kg/ha + need based plant protection chemicals+Erection of traps			

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
1	Groundnut (var. Kadri Lepakshi) @ 150kg/ha + seed treatment with vitavax power 2g/kg of seeds + need based plant protection chemicals.	51500	115240	63740	2.24	63500	143380	79880	2.26

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
	Groundnut (var. Kadri Lepakshi) @ 150kg/ha + seed treatment	2140	2140	67	-	-	Education and household use	35

	with vitavax power 2g/kg of seeds + need based plant protection chemicals.							

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
	Groundnut (var. Kadri Lepakshi) @ 150kg/ha + seed treatment with vitavax power 2g/kg of seeds + need based plant protection chemicals.	yes	FPOs nearby.	yes	no	yes	Farmers are satisfied with the variety performance.

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Bold seeded variety with high test weight	Bold seeded variety with high test weight with soil test based fertilizer with need based plant protection measures increases yield by 24%.	21.4q/ha received over local check (17.2q/ha)	Farmers are satisfied with technology and performance of variety.

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Field day	17.02.2025, Lokapal	50






Demonstration of Groundnut under Oilseed Model Village Programme



Demonstration of Sesame under Oilseed Model Village Programme

G. Sequential good quality photographs (as per crop stages i.e. growth & development)

H. Farmers' training photographs

I. Quality Action Photographs of field visits/field days and technology demonstrated.

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input			

	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total			

3.3 Achievements on Training (Including the sponsored and FLD training programmes):

A) Farmers and farm women (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	24	4	28	2	0	2	0	0	0	26	4	30
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management	1	10	17	27	2	1	3	0	0	0	12	18	30
Soil & water conservation													
Soil Health Management	1	17	10	27	1	2	3	0	0	0	18	12	30
Integrated nutrient Management	4	89	20	109	6	5	11	0	0	0	95	25	120
Production of organic inputs													
Varietal evaluation													
Others													
Total	**7**	**140**	**51**	**191**	**11**	**8**	**19**	**0**	**0**	**0**	**151**	**59**	**210**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Vegetable cultivation	6	106	65	171	7	2	9	0	0	0	113	67	180
Off season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)	**6**	**106**	**65**	**171**	**7**	**2**	**9**	**0**	**0**	**0**	**113**	**67**	**180**
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total I													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total I													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)	**6**	**106**	**65**	**171**	**7**	**2**	**9**	**0**	**0**	**0**	**113**	**67**	**180**
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 fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Household food security through bio-fortified varieties													
Natural farming													
Processing & cooking													
Income generation	1	0	29	29	0	1	1	0	0	0	0	30	30
Climate-Resilient Farming													
Value addition													
Mushroom Production	2	4	53	57	1	2	3	0	0	0	5	55	60
Drudgery Reduction													
Others													
Total	**3**	**4**	**82**	**86**	**1**	**3**	**4**	**0**	**0**	**0**	**5**	**85**	**90**
VI. Agril. Engineering													
Farm machinery & its maintenance	1	25	5	30							25	5	30
Installation and maintenance of micro irrigation systems													
Use of farm implements for drudgery reduction													
Repair and maintenance of farm machinery and implements	1	30	0	30							30	0	30
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total	**2**	**55**	**5**	**60**							**55**	**5**	**60**
VII. Plant Protection													
Integrated Pest Management	1	10	19	29	1	0	1	0	0	0	11	19	30
Integrated Disease Management	4	71	43	114	5	1	6	0	0	0	76	44	120
Biocontrol of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	**5**	**81**	**62**	**143**	**6**	**1**	**7**	**0**	**0**	**0**	**87**	**63**	**150**
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													
Disease management													
Pen culture of fish and prawn													
Shrimp farming													
Pond management													
BW aquaculture													
Fish processing and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Biofloc fish farming													
Disease management													
Feeding Management													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
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													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**23**	**386**	**265**	**651**	**25**	**14**	**39**	**0**	**0**	**0**	**411**	**279**	**690**

a) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	14	14	28	1	1	2	0	0	0	15	15	30
Training and pruning of orchards													
Protected cultivation of vegetable crops	1	17	3	20	0	0	0	0	0	0	17	3	20
Production of bio control agents and	1	14	13	27	1	2	3	0	0	0	15	15	30

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
bio pesticides													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	3	38	35	73	5	2	7	0	0	0	43	37	80
Planting material production													
Vermiculture										0			
Mushroom Production	1	15	15	30	0	0	0	0	0	0	15	15	30
Beekeeping	1	11	9	20	0	0	0	0	0	0	11	9	20
Sericulture													
Repair and maintenance of farm machinery and implements	1	0	18	18	0	2	2	0	0	0	0	20	20
Custom hiring of farm machineries	1	19	0	19	1	0	1	0	0	0	20	0	20
Value addition	1	0	20	20	0	0	0	0	0	0	0	20	20
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	2	35	19	54	6	0	6	0	0	0	41	19	60
Fish seed production	1	18	12	30	4	0	4	0	0	0	18	12	30
Others													
Total	**14**	**181**	**158**	**339**	**18**	**7**	**25**	**0**	**0**	**0**	**195**	**165**	**360**

a) Extension Personnel (on campus)

Thematic Area	No. of	No. of Participants	Grand Total

	Courses	Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Physiological disorders in vegetables	1	15	4	19	1	0	1	0	0	0	16	4	20
Integrated Pest Management	1	18	2	20	0	0	0	0	0	0	18	2	20
Integrated Nutrient management													
Integrated Pest & Disease Management	1	19	1	20	0	0	0	0	0	0	19	1	20
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													
Promotion of millets	1	0	18	18	0	2	2			0	0	20	20
Farmwomen empowerment	1	20	0	20	0	0	0			0	20	0	20
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Resource Conservation	1	19	0	19	1	0	1	0	0	0	20	0	20
Safety & measures while using farm machineries	1	20	0	20	0	0	0	0	0	0	20	0	20
Fish Seed Production in biofloc	1	6	13	19	1	0	1	0	0	0	7	13	20
Recent advances in aquaculture	1	18	1	19	0	1	1	0	0	0	18	2	20
Use of new generation herbicide	1	13	6	19	1	0	1	0	0	0	14	6	20
Soil health problem in district	1	18	1	19	0	1	1	0	0	0	18	2	20
Total	**11**	**166**	**46**	**212**	**4**	**4**	**8**	**0**	**0**	**0**	**170**	**50**	**220**

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	27	3	30	0	0	0	0	0	0	27	3	30
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Soil Health Management													
Integrated nutrient Management	3	71	14	85	5	0	5	0	0	0	76	14	90
Production of organic inputs													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Varietal Evaluation	1	29	0	29	1	0	1	0	0	0	30	0	30
Others													
Total	**5**	**127**	**17**	**144**	**6**	**0**	**6**	**0**	**0**	**0**	**133**	**17**	**150**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Vegetable cultivation	4	89	26	115	5	0	5	0	0	0	94	26	120
Off season vegetables													
Nursery raising	1	3	26	29	0	1	1	0	0	0	3	27	30
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)	**5**	**92**	**52**	**144**	**5**	**1**	**6**	**0**	**0**	**0**	**97**	**53**	**150**
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													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total I													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total I													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)	**5**	**92**	**52**	**144**	**5**	**1**	**6**	**0**	**0**	**0**	**97**	**53**	**150**
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 fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	0	28	28	0	2	2	0	0	0	0	30	30
Household food security through bio-fortified varieties	1	0	27	27	0	3	3	0	0	0	0	30	30
Natural farming	1	0	28	28	0	2	2	0	0	0	0	30	30
Processing & cooking	1	0	30	30	0	0	0	0	0	0	0	30	30
Income generation	2	17	29	46	4	0	4	0	0	0	21	29	50
Climate-Resilient Farming	1	0	26	26	0	4	4	0	0	0	0	30	30
Value addition	1	0	30	30	0	0	0	0	0	0	0	30	30
Mushroom Production													
Drudgery Reduction	1	0	28	28	0	2	2	0	0	0	0	30	30
Others													
Total	**9**	**17**	**226**	**243**	**4**	**13**	**17**	**0**	**0**	**0**	**21**	**239**	**260**
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems	3	78	12	90	0	0	0	0	0	0	78	12	90
Use of farm implements for drudgery reduction	2	44	28	72	2	0	2	0	0	0	46	28	74
Repair and maintenance of farm machinery and implements	3	40	49	89	1	1	2	0	0	0	41	50	91
Small scale processing and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Post Harvest Technology	1	22	8	30	0	0	0	0	0	0	22	8	30
Others	1	30	0	30	0	0	0	0	0	0	30	0	30
Total	**10**	**214**	**97**	**311**	**3**	**1**	**4**	**0**	**0**	**0**	**217**	**98**	**315**
VII. Plant Protection													
Integrated Pest Management	6	80	97	177	3	0	3	0	0	0	83	97	180
Integrated Disease Management	1	1	29	30	0	0	0	0	0	0	1	29	30
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	**7**	**81**	**126**	**207**	**3**	**0**	**3**	**0**	**0**	**0**	**84**	**126**	**210**
VIII. Fisheries													
Integrated fish farming	1	25	5	30	0	0	0	0	0	0	25	5	30
Carp breeding and hatchery management	1	25	4	29	1	0	1	0	0	0	26	4	30
Carp fry and fingerling rearing													
Composite fish culture	3	71	15	86	4	0	4	0	0	0	75	15	90
Hatchery management and culture of freshwater prawn	1	28	0	28	2	0	2	0	0	0	30	0	30
Breeding and culture of ornamental fishes													
Disease management													
Pen culture of fish and prawn													
Shrimp farming													
Pond management													
BW aquaculture	1	24	6	30	0	0	0	0	0	0	24	6	30
Fish processing and value addition													
Biofloc fish farming	1	12	16	28	2	0	2	0	0	0	14	16	30
Disease management	1	26	0	26	4	0	4	0	0	0	30	0	30
Feeding Management	1	26	2	28	2	0	2	0	0	0	28	2	30
Total	**10**	**237**	**48**	**285**	**15**	**0**	**15**	**0**	**0**	**0**	**252**	**48**	**300**
IX. Production of Input 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													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**46**	**768**	**566**	**1334**	**36**	**15**	**51**	**0**	**0**	**0**	**804**	**581**	**1385**

E)RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Production of bio control agents and bio pesticides													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Custom hiring of farm machineries													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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													
Others													
Total													

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Physiological disorders in vegetables													
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													
Promotion of millets													
Farmwomen empowerment													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Resource Conservation													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Safety & measures while using farm machineries													
Fish Seed Production in biofloc													
Recent advances in aquaculture													
Use of new generation herbicide													
Soil health problem in district													
Total													

G) Consolidated table (ON and OFF Campus)

a. Farmers& Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	2	51	7	58	2	0	2	0	0	0	53	7	60
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro irrigation/irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	1	10	17	27	2	1	3	0	0	0	12	18	30
Soil & water conservation	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil Health Management	1	17	10	27	1	2	3	0	0	0	18	12	30
Integrated nutrient Management	7	160	34	194	11	5	16	0	0	0	171	39	210
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Varietal Evaluation	1	29	0	29	1	0	1	0	0	0	30	0	30
Others	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**12**	**267**	**68**	**335**	**17**	**8**	**25**	**0**	**0**	**0**	**284**	**76**	**360**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Vegetable cultivation	10	195	91	286	12	2	14	0	0	0	207	93	300
Off-season vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery raising	1	3	26	29	0	1	1	0	0	0	3	27	30
Exotic vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0	0	0	0
Protective cultivation	0	0	0	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0	0	0	0
Total (a)	**11**	**198**	**117**	**315**	**12**	**3**	**15**	**0**	**0**	**0**	**210**	**120**	**330**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)	**11**	**198**	**117**	**315**	**12**	**3**	**15**	**0**	**0**	**0**	**210**	**120**	**330**
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	0	28	28	0	2	2	0	0	0	0	30	30
Household food security through bio-fortified varieties	1	0	27	27	0	3	3	0	0	0	0	30	30
Natural farming	1	0	28	28	0	2	2	0	0	0	0	30	30
Processing & cooking	1	0	30	30	0	0	0	0	0	0	0	30	30
Income generation	3	17	58	75	4	1	5	0	0	0	21	59	80
Climate-Resilient Farming	1	0	26	26	0	4	4	0	0	0	0	30	30
Value addition	1	0	30	30	0	0	0	0	0	0	0	30	30
Mushroom cultivation	2	4	53	57	1	2	3	0	0	0	5	55	60
Drudgery Reduction	1	0	28	28	0	2	2	0	0	0	0	30	30
Others	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	**12**	**21**	**308**	**329**	**5**	**16**	**21**	**0**	**0**	**0**	**26**	**324**	**350**
VI. Agril. Engineering													
Farm machinery & its maintenance	1	25	5	30	0	0	0	0	0	0	25	5	30
Installation and maintenance of micro irrigation systems	3	78	12	90	0	0	0	0	0	0	78	12	90
Use of farm implements for drudgery reduction	2	44	28	72	2	0	2	0	0	0	46	28	74
Repair and maintenance of farm machinery and implements	4	70	49	119	1	1	2	0	0	0	71	50	121
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	1	22	8	30	0	0	0	0	0	0	22	8	30

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others	1	30	0	30	0	0	0	0	0	0	30	0	30
Total	**12**	**269**	**102**	**371**	**3**	**1**	**4**	**0**	**0**	**0**	**272**	**103**	**375**
VII. Plant Protection													
Integrated Pest Management	7	90	116	206	4	0	4	0	0	0	94	116	210
Integrated Disease Management	5	72	72	144	5	1	6	0	0	0	77	73	150
Bio0control of pests and diseases	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	12	162	188	350	9	1	10	0	0	0	171	189	360
VIII. Fisheries													
Integrated fish farming	1	25	5	30	0	0	0	0	0	0	25	5	30
Carp breeding and hatchery management	1	25	4	29	1	0	1	0	0	0	26	4	30
Carp fry and fingerling rearing													
Composite fish culture	3	71	15	86	4	0	4	0	0	0	75	15	90
Hatchery management and culture of freshwater prawn	1	28	0	28	2	0	2	0	0	0	30	0	30
Breeding and culture of ornamental fishes													
Disease management													
Pen culture of fish and prawn													
Shrimp farming													
Pond management													
BW aquaculture	1	24	6	30	0	0	0	0	0	0	24	6	30
Fish processing and value addition													
Biofloc fish farming	1	12	16	28	2	0	2	0	0	0	14	16	30
Disease management	1	26	0	26	4	0	4	0	0	0	30	0	30
Feeding Management	1	26	2	28	2	0	2	0	0	0	28	2	30
Total	**10**	**237**	**48**	**285**	**15**	**0**	**15**	**0**	**0**	**0**	**252**	**48**	**300**
IX. Production of Input 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													
Total													
X. Capacity Building and Group Dynamics													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**69**	**1154**	**831**	**1985**	**61**	**29**	**90**	**0**	**0**	**0**	**1215**	**860**	**2075**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	14	14	28	1	1	2	0	0	0	15	15	30
Training and pruning of orchards													
Protected cultivation of vegetable crops	1	17	3	20	0	0	0	0	0	0	17	3	20
Production of bio control agents and bio pesticides	1	14	13	27	1	2	3	0	0	0	15	15	30
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	3	38	35	73	5	2	7	0	0	0	43	37	80
Planting material production													
Vermiculture										0			
Mushroom Production	1	15	15	30	0	0	0	0	0	0	15	15	30
Beekeeping	1	11	9	20	0	0	0	0	0	0	11	9	20
Sericulture													
Repair and maintenance of farm machinery and implements	1	0	18	18	0	2	2	0	0	0	0	20	20
Custom hiring of farm machineries	1	19	0	19	1	0	1	0	0	0	20	0	20
Value addition	1	0	20	20	0	0	0	0	0	0	0	20	20
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	2	35	19	54	6	0	6	0	0	0	41	19	60
Fish seed production	1	18	12	30	4	0	4	0	0	0	18	12	30
Others													
Total	**14**	**181**	**158**	**339**	**18**	**7**	**25**	**0**	**0**	**0**	**195**	**165**	**360**

iii.Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Physiological disorders in vegetables	1	15	4	19	1	0	1	0	0	0	16	4	20
Integrated Pest Management	1	18	2	20	0	0	0	0	0	0	18	2	20
Integrated Nutrient management													
Integrated Pest & Disease Management	1	19	1	20	0	0	0	0	0	0	19	1	20
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													
Promotion of millets	1	0	18	18	0	2	2			0	0	20	20
Farmwomen empowerment	1	20	0	20	0	0	0			0	20	0	20

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Resource Conservation	1	19	0	19	1	0	1	0	0	0	20	0	20
Safety & measures while using farm machineries	1	20	0	20	0	0	0	0	0	0	20	0	20
Fish Seed Production in biofloc	1	6	13	19	1	0	1	0	0	0	7	13	20
Recent advances in aquaculture	1	18	1	19	0	1	1	0	0	0	18	2	20
Use of new generation herbicide	1	13	6	19	1	0	1	0	0	0	14	6	20
Soil health problem in district	1	18	1	19	0	1	1	0	0	0	18	2	20
Total	**11**	**166**	**46**	**212**	**4**	**4**	**8**	**0**	**0**	**0**	**170**	**50**	**220**

Please furnish the details of training programmes as Annexure in the proforma given below (Attached in annexure-1):
Attached in Annexure-I

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total

H) Vocational training programmes for Rural Youth

a) Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	

*training title should specify the major technology /skill transferred

b) Details of participation

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Crop production and management													
Commercial floriculture													
Commercial fruit production													
Commercial vegetable production													
Integrated crop management													

Organic farming													
Other													
Total													
Post harvest technology and value addition													
Value addition													
Other													
Total													
Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting													
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery & imlements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation													
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para-vet training													
Other													
Total													
Agricultural Extension													
Capacity building and group dynamics													
Other													
Total													

Grand Total													

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

Sl.No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of participants	Sponsoring Agency
					PF/RY/EF			

b) Details of participation

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
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													
Other													
Total													
Post harvest technology and value addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other													

Total													
Livestock and fisheries													
Livestock production and management													
Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security													
Economic empowerment of women													
Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total													

Good quality photographs of training activity:

3.4. A. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	**No. of activities**	**Farmers**				**Extension Officials**			**Total**		
		M	**F**	**T**	**SC/ ST (% of total)**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
Field Day	18	712	80	792	5.7	46	2	48	758	82	840
Kisan Mela	0	0	0	0	0	0	0	0	0	0	0
Kisan Ghosthi	5	74	14	88	12	12	0	12	86	14	100
Exhibition	8	3307	638	3945	1.4	23	32	55	3330	670	4000
Film Show	98	2840	88	2928	0.4	4	8	12	2844	96	2940
Method Demonstrations	16	252	57	309	6.4	18	3	21	270	60	330
Farmers Seminar	0	0	0	0	0	0	0	0	0	0	0
Workshop	4	268	27	295	7.8	19	6	25	287	33	320
Group meetings	6	41	76	117	2.5	2	1	3	43	77	120
Lectures delivered as resource persons	140	5512	1298	6810	2.7	142	48	190	5654	1346	7000

Scientific visit to farmers field	382	5700	15	5715	0.3	15	0	15	5715	15	5730
Farmers visit to KVK	1280	1126	154	1280	0	0	0	0	1126	154	1280
Diagnostic visits	82	192	19	211	8.3	12	7	19	204	26	230
Exposure visits	4	74	6	80	0	0	0	0	74	6	80
Animal Health Camp	0		0	0	0	0	0	0		0	0
Soil test campaigns	2	53	4	57	5	1	2	3	54	6	60
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	14	23	249	272	2.9	0	8	8	23	257	280
Plant health clinic	6	127	8	135	0	0	0	0	127	8	135
Celebration of important days	10	798	8	806	4	14	20	34	812	28	840
Others (Specify if any)	0	0	0	0	0	0	0	0	0	0	0
Total	**2075**	**21099**	**2741**	**23840**	**59.4**	**308**	**137**	**445**	**21407**	**2878**	**24285**

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	
Radio talks	
TV talks	
Popular articles	
Extension Literature	
Other, if any	

Good quality photographs of Extension activity:

3.5 a. Production and supply of Technological products

Village seed

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Number of farmers to whom seed provided							
					SC		ST		Other		Total	
					M	F	M	F	M	F	M	F
Total												

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Rice	Kalachampa	377									
Grand Total											

Good quality photographs of seed production:

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Vegetable seedlings											
Brinjal	Akshita, JK 8031	28470	42705	9				48		57	
Chilli	Shyama	13900	20850	7				21		28	
Tomato	Arka Rakshak	24850	37275	16				74		90	
Papaya	Sinta, Sapna, Vinayak	235	5875	5				27		32	
Drumstick	ODC-3	56	840	3				9		12	
Pineapple sucker	Queen	200	2000	2				13		15	
Marigold	Seracola	2825	5650	4				28		32	
Cauliflower	Fuzizyama	300	750					7		7	
Brocoli	Sishira	100	250					2		2	
Capsicum	Indira	100	250					2		2	
Onion	NHO 920	75000	7500	9				59		68	
Dragon fruit saplings	American Beauty	31	1550	2				21		23	
Sweet potato vine cutting	Bhu Sona	6600	3300	2				8		10	
Fruits											
Mango											
Guava											
Lime											
Papaya											
Banana											
Others											
Ornamental plants											
Medicinal and Aromatic											
Plantation											
Spices											

Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Mushroom Spawn	PSM/Oyster	3550									
Total											

Good quality photographs of planting materials:

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers										
Bio-pesticide										
Bio-fungicide										
Bio-agents										
Vermicompost										
vermin										
Total										

Good quality photographs of bio-products:

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Dairy animals											
Cows											
Buffaloes											
Calves											
Others (Pl. specify)											
Small ruminants											
Sheep											
Goat											
Other, please specify											
Poultry											
Broilers											
Layers											
Duals (broiler and layer)											
Japanese Quail											
Turkey											
Emu											
Ducks											
Others (Pl. specify)											
Piggery											

Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings	IMC	426280									
Spawn											
Others (Pl. specify)											
Grand Total											

Good quality photographs of livestock and fisheries:

3.5. b. Seed Hub Programme-*"Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India"*

i) Name of Seed Hub Centre:

Name of Nodal Officer :	
Address :	
e-mail :	
Phone No. : Mobile :	

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2023						
Rabi 2021-22						
Summer/Spring 2023						
Kharif 2023						
Rabi 2022-2023						

iii) Financial Progress

Fund received (2020-21, 2021-22, 2022-23 and 2023-24)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2020-21				
2021-22				
2022-23				
2023-24				

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

3.6.

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

Item	Title	Author's name	Number	Circulation
Research paper	Community based sequential rice–cum–fish farming in NICRA village Jatipura of Puri district, Odisha.	Paramjita, D., Nayak, A. P., Acharya, S., Mishra, S. N., & Pradhan, P.	*Plant Archives*, 25(Special Issue ICTPAIRS-JAU, Junagadh), 829–836	
	Enhancing Livelihood Security via Mushroom Production: A Case Study of Technological Support and Farmers' Ingenuity	Acharya, S. and Sarangi, D.N.	*Int. J. Soc. Sci.*, 13(02): 81-89.	
Seminar/conference/ symposia papers	*Elevating farmers' livelihoods: A strategy for doubling income through KVK interventions in integrated farming systems in Puri District, Odisha*	Acharya, S., Paramjita, D., Mishra, P., & Mishra, S. N.	In the 7th International Conference on Agriculture for Food Security & Nutrition, January 17–19, 2025, OUAT, Bhubaneswar, Odisha, India. *Volume 03, Issue 01*	
	Advancing agricultural sustainability: Community initiatives in Jatipur village under the NICRA project, Puri District, Odisha	Acharya, S., Paramjita, D., & Mishra, S. N.	International Conference on Building Smallholder Climate Resilience for Achieving Sustainable Food Systems.	
	Optimizing oyster mushroom cultivation in smallholder farms: Evaluating plant-based substrates for sustainable agriculture in	Patra, D., Acharya, S., & Roy, P. L	International Conference on Building Smallholder Climate Resilience for Achieving Sustainable Food Systems, OUAT, Bhubaneswar.	

	Odisha — A comprehensive study on sustainable substrates for smallholder farmers in Odisha			
Books				
Bulletins				
News letter				
Popular Articles	*Empowering women through mushroom farming in Puri district, Odisha*.	Acharya, S.	Jibika Magazine. Published at the 13th Conference of the Mushroom Growers Federation of Odisha	
Book Chapter	Empowering women farmers through KVK interventions: Pathways to income enhancement and sustainable agriculture in Odisha. In *Women Empowerment in Agriculture – A Pathway Towards Sustainable Development*	Acharya, S. and Roy, P.L.	Published by ICAR-Agricultural Technology Application Research Institute, Zone-IV, Patna, Bihar; Birsa Agricultural University, Ranchi, Jharkhand; and National Agriculture Development Cooperative Ltd., Baramulla, J&K, pp. 394–411	
Extension Pamphlets/ literature	*Khadya Nirapatta Udesyare Pusthikar Bagichha*	Acharya, S., Giri, B., & Mishra, S. N	500	
	Krushi jantrapati	Dipsika Paramjita Surya Narayan Mishra	500	
	Mushroom value addition and preservation.	Acharya, S., & Mishra, S. N	500	
Technical reports				
Electronic Publication (CD/DVD etc.)	ARYA Entrepreneurs	Dr.S.N.Mishra Dr.S.Acharya Dr.A.P.Nayak	02	-
TOTAL				

N.B.: Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

(B) Details of HRD programmes undergone by KVK personnel:

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	National seminar	Resource management for climate resilient	Dr. Surya Narayan Mishra, Sr. Scientist & Head	06.03.25 to 07.03.25	OUAT, Bhubaneswar

		sustainable food production systems			
2.	Management Development Programme	Management Development Programme	Dr. Surya Narayan Mishra, Sr. Scientist & Head	24.06.24 to 08.07.24	NAARM Hyderabad, KVK Ranchi & ICAR-ATARI Kolkata
3.	National seminar	Resource management for climate resilient sustainable food production systems	Dr. B. Giri, Scientist, (Horticulture)	06.03.25 to 07.03.25	OUAT, Bhubaneswar
4.	Training	Natural Farming	Dr. B. Giri, Scientist, (Horticulture)	14.05.24 to 18.05.24	MNAGE, Hyderabad
5.	Refresher Training	Advances in Fruit Production	Dr. B. Giri, Scientist, (Horticulture)	17.12.24 to 18.12.24	CH, Ciplima, OUAT
6.		Soil care under Natural Farming	Dr. B. Giri, Scientist, (Horticulture)	11.03.25 to 12.03.25	Dept. of Soil Science, CA, OUAT
7.	Refresher training programme	Appropriate technologies on farm mechanization and post-harvest processing for sustainable development	Dr. D. Paramjita, Scientist (Ag. Engg.)	03.03.25 to 04.03.25	CAET, OUAT
	Training cum workshop	Dronetechnology and its applications in agriculture	Dr. D. Paramjita, Scientist (Ag. Engg.)	02.12.24 to 03.12.24	IIWM, Bhubaneswar
	Workshop	Annual Zonal Review Workshop of ARYA Project	Dr. Sumita Acharya, Scientist (Home Science)	20.03.2025	Nimpith, KVK, West Bengal
	Refresher Training	Appropriate technologies on farm mechanization and post-harvest processing for sustainable development	Dr. Sumita Acharya, Scientist (Home Science)	03.03.2025 to 04.03.2025	CAET, OUAT
	Refresher Training	New Cutting-Edge Technology in the Mushroom Sector	Dr. Sumita Acharya, Scientist (Home Science)	24.02.2025 to 25.02.2025	AICRP on Mushroom, OUAT
	International Conference	7th International Conference on Agriculture and Food Security & Nutrition	Dr. Sumita Acharya, Scientist (Home Science)	17.02.2025 to 19.02.2025	OUAT, Bhubaneswar
	Conference	13th Annual Conference of Odisha Mushroom Growers Federation	Dr. Sumita Acharya, Scientist (Home Science)	18.12.2024	Bhanja Kala Mandap

	International Conference	International Conference on Building Smallholder Climate Resilience for achieving sustainable food systems	Dr. Sumita Acharya, Scientist (Home Science)	17.09.2024 to 19.09.2024	OUAT, Bhubaneswar
	State-level training	State-level training for Cook-cum-Helpers under PM Poshan	Dr. Sumita Acharya, Scientist (Home Science)	15.07.2024	Mission Shakti Bhawan, Bhubaneswar
	Training	Training as a Master Trainer, for State-level Nodal Training Institutes for FPOs	Dr. Sumita Acharya, Scientist (Home Science)	13.05.2024 to 17.05.2024	BIRD, Lucknow
	Consultation programme	Regional consultation programme on Natural Farming	Dr. Sarthak Pattanayak, Scientist (Agronomy)	14.06.24	MANAGE, Hyderabad
	International Conference	International Conference on Raifed Agriculture: Building pathways for resilience and sustainable livelihood	Dr. Sarthak Pattanayak, Scientist (Agronomy)	29.01.25 to 31.01.25	CRIDA, Hyderabad
	International Conference	International Conference on Building Smallholder Climate Resilience for achieving sustainable food systems	Dr. Sarthak Pattanayak, Scientist (Agronomy)	17.09.2024 to 19.09.2024	OUAT, Bhubaneswar
	National seminar	National seminar on Resource management for climate resilient sustainable food production systems	Dr. Sarthak Pattanayak, Scientist (Agronomy)	06.03.25 to 07.03.25	OUAT, Bhubaneswar
	Winter School	International Winter School on Navigating Agricultural Transformations for upliftment of Rural excellence	Dr. Sarthak Pattanayak, Scientist (Agronomy)	02.12.24 to 31.12.24	Virtual mode
	Training programme	Waste management	Dr. Sarthak Pattanayak, Scientist (Agronomy)	06.01.25 to 10.01.25	EEI, Hyderabad
	Summer School	Summer School cum training on NewAdvancements	Dr. Sarthak Pattanayak, Scientist (Agronomy)	15.08.24 to 04.09.24	Virtual mode

		in Agricultural Sciences: From the Green Revolution to Viksit Bharat 2047			

3.7. Success stories/Case studies, if any (two or three pages write-up on 1-2best case(s) with suitable action photographs)

Name of farmer	Santosh Kumar Bastia
Address	Suhagpur village, Pipili Block, Puri District
Contact details (Phone, mobile, email Id)	7873143978
Landholding (in ha.)	0.56-acre
Name and description of the farm/ enterprise	Santosh Kumar Bastia, a young and dynamic entrepreneur from the Suhagpur village of the Pipili block, has emerged as an inspiring figure in the field of mushroom cultivation. Harnessing scientific methods, institutional support, and sheer determination, he transformed a modest 0.56-acre land into a highly productive mushroom unit that now serves as a model for rural entrepreneurship.
Economic impact	Recognizing the potential of mushroom farming, Santosh adopted innovative interventions under expert guidance: • Construction of a shade net house for optimal growing conditions • Temperature and humidity regulation for year-round cultivation • Introduction of Oyster Mushroom (*Hypsizygous ulmarius*) cultivation in winter • Value addition through dry mushroom production • Establishment of a quality spawn production unit for paddy straw mushrooms. With the implementation of focused interventions, Santosh's integrated mushroom unit achieved remarkable production levels, including 24,000 bottles of spawn, 200 quintals of paddy straw mushrooms, 100 quintals of oyster mushrooms, and 5 quintals of dry mushrooms annually. This diversified model resulted in a total production cost of ₹46,40,000 and a gross return of ₹70,00,000, yielding a net income of ₹ 21,20,000. Notably, the dry mushroom component recorded the highest benefit-cost ratio of 2.66, highlighting its superior profitability.
Social impact	The mushroom unit not only transformed Santosh's livelihood but also emerged as a hub of local employment, currently engaging 15 SHG women

	members and 8 rural youths, thereby fostering empowerment and economic stability within the village. Its success story and innovative model drew international recognition, with dignitaries such as Dr. U.S. Nagothu (NIBIO, Norway), Dr. I.H. Kristensen (NIBIO, Norway), and Dr. T.N. Bwana (TARI, Tanzania) visiting the unit and commending its impactful contribution to rural development and sustainable livelihood generation.
Environmental impact	Santosh Kumar Bastia's journey showcases how scientific interventions, training, and dedication can turn challenges into opportunities. His story serves as a beacon of hope and a replicable model for rural youth and SHG women seeking sustainable livelihoods through climate-resilient agriculture.
Horizontal/ Vertical spread	47 Youths adoted this enterprise in Pipili Block
Good quality photographs (2-3)	

Oyster Mushroom in Winter

Paddy straw Mushroom production

Dr. U. S. Nagothu, Director, Centre for International Development, NIBIO, Norway; Dr. I. H. Kristensen, DG, NIBIO, Norway; Dr. T. N. Bwana, DG, TARI, Tanzania visited Suhagpur of Pipili Block

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

Sl. No.	Name/ Title of the technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology

3.9. a. 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)

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)

3.10. Indicate the specific training need analysis tools/methodology followed by KVKs

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed

3.11. a. Details of equipment available in Soil and Water Testing Laboratory: NIL

Sl. No	Name of the Equipment	Qty.

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
500	0	500	781	27	2500

3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted

3.12. Activities of rain water harvesting structure and micro irrigation system

No of training programme	No of demonstrations	No of plant material produced	Visit by the farmers	Visit by the officials
1	3	Irrigation to demo units		

3.13. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology

3.14. RAWE/ FETprogramme - is KVK involved? (Y/N)

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

3.15. List of VIP visitors (Minister/ MP/MLA/DM/VC/ZilaSabhadipati/Other Head of Organization/Foreigners)

Date	Name of the person	Purpose of visit
21.04.24	Dr. R. C. Agrawal, DDG(Ag. Education), ICAR, New Delhi	Visited KVK Puri
18.05.24	Sagar Maitra, Prof & HOD Agronomy & Agroforestry, CUTM, Paralakhemundi	Visited KVK Puri
18.06.24	Dr. Sambit Patra, MP, Puri Lokasabha, Puri	Visited KVK Puri
27.06.24	Prof. Indra Mani Mishra, Vice Chancellor, VNMKV, Prabhari, Maharastra	Visited KVK Puri
27.06.24	Prof. Punjab Singh, Ex-Secretary DARE & DG (ICAR), New Delhi	Visited NICRA village
27.06.24	Dr. V. K. Singh, Director, ICAR-CRIDA, Hyderabad	Visited NICRA village
27.06.24	Dr. J. V. N. S. Prasad, Project Coordinator, AICRP for Dryland Agriculture, ICAR-CRIDA, Hyderabad	Visited NICRA village
04.07.24	Dr. Avijit Haldar, Principal Scientist, ICAR-ATARI, Kolkata	Visited Natural farming demonstrated village
24.08.24	Dr. V. K. Singh, Director, ICAR-CRIDA, Hyderabad	Visited NICRA village
18.09.24	Dr. U. S. Nagothu, Director, Centre for International Development NIBIO Norway	Visited NICRA village
18.09.24	I. H. Kristensen, DG, NIBIO, Norway,	Visited NICRA village
18.09.24	R V Pedersen, Director (Communication), NIBIO, Norway	Visited NICRA village
18.09.24	H. Sorlie, Senior Advisor, Dept. of Research, NIBIO, Norway	Visited NICRA village
18.09.24	Dr. M. Tesfai, Research Scientist, Division of Environment and Natural Resources, NIBIO, Norway	Visited NICRA village
18.09.24	Ms. Gouri, Norwegian Embassy, New Delhi	Visited NICRA village
18.09.24	Dr. T. N. Bwana, DG, TARI, Tanzania	Visited NICRA village
18.09.24	Dr. A. Bilaro, Head of Crop Research & Postharvest management, TRAI, Tanzania	Visited NICRA village
29.08.24	Dr. Trilochan Das, Chaiman PPV & FRA, EX-DG ICAR	Attended PPV & FRA workshop at KVK Puri
29.08.24	Dr. R. R. Burman, ADG(Ag. Extension), ICAR, New	Attended PPV & FRA

	Delhi	workshop at KVK Puri
30.08.24	Dr. U S Goutam. DG ICAR	Attended Zonal Workshop of KVKs at Puri
01.10.24	Maheswar Sahoo, State President, BJP Kisan Morcha, Odisha	Visited KVK Puri
09.10.24	Dr. P. K. Mohanty, Joint Director (Video project), Directorate Extension Education, OUAT, Bhubaneswar	Attended training cum workshop on Gender Sensitization
19.10.24	Dr. Richa Sharma, Deputy Director, National Institute of Labour Economics Research and Development (NILERD), New Delhi	Visited KVK Puri
19.10.24	Marshal Biruwa, Assistant Director, National Institute of Labour Economics Research and Development (NILERD), New Delhi	Visited KVK Puri
30.10.24	Gita Saha, Scientist, ICAR-CIWA, Bhubaneswar	Visited KVK Puri
30.10.24	Dr. Sarbani Das, JDE(Information), Directorate Extension Education, OUAT, Bhubaneswar	Attended the Dist. Level Launching Workshop – Center of Excellence for FPOs
18.11.24	Dr. Rajbir Singh, ADG (AAF & CC), NRM Division, ICAR, New Delhi	Visited KVK Puri
19.11.24	Dr. S. D. Mohapatra, Head, Crop protection Division, ICAR-NRRI, Cuttack	Attended the SAC meeting
29.11.24	Er. Pratik Nayak, Director Physical Plant, OUAT, Bhubaneswar	Visited KVK Puri
10.12.24	Dr. F. H. Rahaman, Head, ICAR-NBSS&LUP, RC Kolkata	Visited KVK Puri
10.12.24	Dr. S. Bandopadhaya, Director, NCFC, ICAR	Visited KVK Puri
10.12.24	Dr. S. Chatterji, Principal Scientist,	Visited KVK Puri
14.12.24	Prof. K. Narayana Gowda, Former Vice Chancellor, UAS, Bengalur	Visited KVK Puri
15.01.25	Prof. Dharmendra Saswat, Dept. of Agricultural & Biological Engineering, Purdue University, USA	Visited KVK Puri
17.01.25	Dr. A. R. Rao, ADG(PIM), ICAR, New Delhi	Visited KVK Puri
18.01.25	Dr. Dilip Jain, FNAAS Ex-Head, ICAR, CAZRI, Jodhpur	Visited KVK Puri
25.01.25	Dr. H. K. Senapati, Chairman, NICRA ZMC, ICAR	Visited NICRA village
25.01.25	Dr. Krishnendu Das, Principal Scientist, ICAR-ATARI, Kolkata	Visited NICRA village
25.01.25	Dr. S. Mandal, Principal Scientist, ICAR-ATARI, Kolkata	Visited NICRA village
01.02.25	Dr. R. K. Negi, Dept. of Horticulture, Himachal Pradesh	Visited KVK Puri
07.02.25	Dr. U. S. Nagothu, Director, Centre for International Development NIBIO Norway	Visited Resilience project village
07.02.25	Ine Sofie Kristiansen, Norwegian Embassy, New Delhi	Visited Resilience project village
07.02.25	Rajkumar, Scientist, MS Swaminathan Research Foundation	Visited Resilience project village
20.02.25	Prof. Rajesh Kumar Singh, Dept. of Agronomy, BHU, Varanasi	Visited KVK Puri

18.03.25	Dr. S. S. Singh, Ex-Director ICAR-ATARI Kolkata	Visited KVK Puri
24.03.25	Dr. Sarat Chandra Mohapatra, ADM(Rev) Puri	Visited KVK Puri

4. IMPACT

4.1. 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)

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

4.2. Cases of large scale adoption
(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread

Give information in the same format as given below

Name of farmer	
Address	
Contact details (Phone, mobile, email Id)	
Landholding (in ha.)	
Name and description of the farm/ enterprise	
Economic impact	
Social impact	
Environmental impact	
Horizontal/ Vertical spread	
Good quality photographs (2-3)	

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

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms

4.4. Details of innovations recorded by the KVK

Thematic area	
Name of the Innovation	

Details of Innovator	
Back ground of innovation	
Technology details	
Practical utility of innovation	

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	
Name & complete address of the entrepreneur	
Role of KVK with quantitative data support:	
Timeline of the entrepreneurship development	
Technical Components of the Enterprise	
Status of entrepreneur before and after the enterprise	
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	
Horizontal spread of enterprise	

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
i) Agriculture Department	RE Linkage, Monitoring BGREI Programme, ATMA Capacity building, ATMA Participatory Research, Soil Day Celebration, In-service Training, DLMT Meeting, Strategy Meeting, Farmer Scientist Interaction, Participation in field day of CFLD, District level Kisan Mela
ii)Horticulture Department	QPM Verification, RE Linkage, Farmer Scientist Interaction, Project Proposal preparation for entrepreneurs, , In-service Training
iii)Fishery Department	RE Linkage, Farmer Scientist Interaction, Project Proposal preparation for entrepreneurs, , In-service Training
iv)Veterinary Department	RE Linkage, Farmer Scientist Interaction, Project Proposal preparation for entrepreneurs, , In-service Training, Active support both in terms of man power and inputs during organization of Animal Health camp
v) Forest Department	Procurement of forest plants
vi) SWAD- NGO	Supply of Paddy Seeds, Capacity building
vii) IRRI-OUAT Collaborative project	Head to Head trials on Stress tolerant rice varieties, screening of stress tolerance varieties
Viii) DSWO,Puri	In-service training programme for AWWs & Extension Functionaries
ix) CIFA, Bhubaneswar	Procurement of IMC spawn & fry
x)OUAT, Bhubaneswar	Procurement of Paddy seeds, Planting Materials, Tricho cards, Poultry,

	mushroom mother spawn
xi)CHES, Bhubaneswar	QPM of fruits & Vegetables
xii)OSSC, Bhubaneswar	Sale of foundation seed of paddy, supply of breeder seeds

5.2. List of special programmes undertaken during 2024 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)

(b) Programme for other activities (training, FLD, OFT, Mela, Exhibition etc.)

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1. Performance of demonstration units (other than instructional farm)

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/bred	Produce	Qty.	Cost of inputs	Gross income	
1.	Polyhouse	2019	50	HYV, Hybrids of fruit and vegetables	Seedling Saplings	152667 NO.	61500	128795	
2.	Tulasi garden	2024	800	Local	Tulasi twigs	1260		4040	
3.	Lotus Pond					322		1610	
4.									
5.									
6.									
7.									
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Rice	4.7.2024	26.12.24	10.0	Kalachampa	FS	377.0	700,000	13,27,040	

6.3. Performance of Production Units (bio-agents / bio-pesticides/ bio-fertilizers etc.,)

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.					

6.4. 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.							
2.							
3.							

6.5. Utilization of hostel facilities: NIL

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Total :			

(For whole of the year)

6.6. Utilization of staff quarters: NIL

Whether staff quarters has been completed:

No. of staff quarters:

Date of completion:

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number

Current	SBI	Sakhigopal, Puri	11346446097
Current	SBI	Sakhigopal, Puri	30356069907
Current	SBI	Sakhigopal, Puri	39580900261

7.2. Utilization of funds under CFLD on Oilseed *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	

7.3. Utilization of funds under CFLD on Pulses *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2013
	Kharif	Rabi	Kharif	Rabi	

7.4. Utilization of KVK funds during the year 2024-25(Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances			
2	Traveling allowances	2.5	2.5	2.5
3	Contingencies			
a	Stationary, telephone, postage and other exp. On office running	5.2	5.2	5.2
b	POLs, repair of vehicles, tractor & equipment			
c	Meals/refreshment for residential and non-residential trainings	3.9	3.9	3.9
d	Training material			
e	Frontline demonstrations	1.95	1.95	1.95
f	On farm testing	1.95	1.95	1.95
g	SCSP	10.0	10.0	10.0
TOTAL (A)		**25.8**	**25.8**	**25.8**
B. Non-Recurring Contingencies				
1	Works (IFS)	6.5	6.5	6.5
2	Library	0.4	0.1	0.1
TOTAL (B)		**6.6**	**6.6**	**6.6**
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**32.4**	**32.4**	**32.4**

7.5. Status of revolving fund (Rs. in lakh) for last five years

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 (Kind + cash)
2020-21	6.93	10.06	16.16	0.83
2021-22	0.83	28.78	18.94	9.84

2022-23	9.84	11.87	16.88	4.83+1.19 (Kind-Rice seeds)
2023-24	4.83	19.30	12.53	11.61 + 12.8(kind- Fingerlings & rice seeds)
2024-25	11.61	5.87	14.83	2.65

7.6. (i) Number of SHGs formed by KVKs
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities
(iii) Details of marketing channels created for the SHGs

Activities organized	**Details of FPO attended**	**Nature of support by KVK**
• District Level Launching Programme of the Centre of Excellence, OUAT • Exposure Visit - 02 • Training-02 • Convergence Meeting-02	• Number of FPO attended-30 • Number of participating members -237 • Commodities or products the FPO focuses on (e.g., mushrooms, vegetables, dairy, pulses, Paddy, vermicompost, Fish, Poultry, Honey Bee)	• Technical guidance on crop/livestock production and management • Input support • Market linkage support • Linking with government schemes (e.g., SFAC, NABARD, MSME, APICOL, and Line Departments) • Awareness programme for branding, packaging, and marketing. • Formation of a WhatsApp group named "Centre of Excellence FPOs Puri" to facilitate coordination, knowledge sharing, and regular communication among member FPOs.

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both

8. Other information

8.1. Prevalent diseases in Crops

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond

					(in ha)

9.1. Nehru Yuva Kendra(NYK) Training

Title of the training programme	Period		No. of the participant		Amount of Fund Received (Rs)
	From	To	M	F	

9.2. PPV & FR Sensitization training Programme

Date of organizing the programme	Resource Person	No. of participants	Registration (crop wise)	
			Name of crop	No. of registration

9.3. *mKisan*Portal (National Farmers' Portal/ SMSPortal)

Type of message	**No. of messages**	**No. of farmers covered**
Crop	15	92538
Livestock		
Fishery	7	90528
Weather	12	94668
Marketing		
Awareness	2	94668
Training information		
Other		
Total	36	94668

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	
2.	No. of farmers registered in the portal	
3.	Mobile Apps developed by KVK	Yes
4.	Name of the App	Mushroom app
5.	Language of the App	
6.	Meant for crop/ livestock/ fishery/ others	
7.	No. of times downloaded	

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office		
2. Basic maintenance		
3. Sanitation and SBM		
4. Cleaning and beautification of surrounding areas		
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste		
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level		
8. Swachhta Workshops		
9. Swachhta Pledge		
10. Display and Banner		
11. Foster healthy competition		
12. Involvement of print and electronic media		
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)		
14. No of Staff members involved in the activities		
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)		
Total		

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used

Give good quality 1-2 photograph(s)

9.9. Details of '*Pre-Rabi Campaign'* / '*Pre-Kharif Campaign'* Programme

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/ Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Door Darshan (Yes/No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		

Please provide good quality photographs:

9.10. Details of Swachhta Hi Suraksha/ Swachhta Pakhwada programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)

Please provide good quality photographs:

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Training on women friendly equipment, supply of seedlings to women for nutritional gardening	3	50		

Please provide good quality photographs:

9.12. No. of Progressive/Innovative/Lead farmer identified (category wise)

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise

9.13. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.			
2.			
3.			

9.14. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created

9.15. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning

9.16. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK

10. Report on Cereal Systems Initiative for South Asia (CSISA)

a) Year:
b) Introduction / General Information:

	Title	Objective	Treatment details	Date of sowing	Replication	Result with photographs
Experiment 1						
Experiment 2						
Experiment 3						
…						
..						
Others (If any)						

Please provide good quality photographs:

11. Details of DAPST/ TSP

a. Achievements of physical output under TSP during 2024

Progress of DAPST for the year 2024 (Jan. to Dec., 2024)

Name of KVK							
Sl.No.	***Item/Activity***		***Units***	***Targets/Achievements***		***No. of Beneficiaries***	
				Annual Targets	***Achievements***	***Annual Targets***	***Achievements***
1	**Trainings (Capacity building/ Skill Development etc.)**		No.				
	1.1	1-3 days	No.				

	1.2	4-10 days	No.				
	1.3	2-4 weeks	No.				
	1.4	More than 4 weeks	No.				
2	**On Farm Trials (OFTs)**		No.				
3	**Front Line Demonstrations (FLDs) and other demonstrations**		No.				
4	**Awareness camps, exposure visits etc.**		No.				
5	**Input Distribution**						
	5.1	Seeds (Field Crops)	Tonnes				
	5.2	Seeds (High Value Crops, spices etc.)	kg				
	5.3	Seeds (Root & Tuber Crops)	tonnes				
	5.4	Nursery plants	No.				
	5.5	Cutting , slips, suckers, etc	No.				
	5.6	Mushroom Spawns/ Bio-Fertilizers (in Packets)	Packets				
	5.7	Honey Bee Colonies	No.				
	5.8	Animals-large (Cattle/ Buffalo/ camel/horse/donkey/Mithun/Yak etc.)	No.				
	5.9	Animals-small (pig, sheep, goat etc.)	No.				
	5.1	Poultry chicks / duckling etc	No.				
	5.11	Fish Spawns/ fingerlings	No.				
	5.12	Small equipment's (upto Rs 2000)	No.				
	5.13	Medium Equipment's/ machinery (upto Rs 25000)	No.				
	5.14	Large Equipment's / machinery (> Rs. 25000)	No.				
	5.15	Infrastructure / Civil Works/ Ponds etc	No.				
	5.16	Setting up plant nursery/ seed farm/ hatchery	No.				
	5.17	Land development/ Reclamation / Conservation	hectares				
	5.18	Fertilizers (NPK)/ Secondary fertilizers	tonnes				
	5.19	Micro nutrients	tonnes				
	5.2	FYM/ Vermicompost	tonnes				
	5.21	Soil amendments (Gypsum, lime etc.)	tonnes				
	5.22	Plant protection chemicals	kg				
	5.23	Plant growth Promoter	kg				
	5.24	Animal Feed	tonnes				
	5.25	Animal Fodder	tonnes				
	5.26	Animal medicines	doses				
	5.27	Any other (Liquid PSB etc.)	Litre				
6	**Services/Facilitation**						
	6.1	Animal Health Camps	No.				
	6.2	Artificial Insemination / Vaccination	No.				

	6.3	Veterinary Services (Hospitalization, on-site treatment, PD, surgery etc)	No.				
	6.4	Testing samples of Soil, plant, water, feed, fodder and livestock	No.				
	6.5	Promotion of agri-entrepreneurship	No.				
	6.6	Promotion of IFS, IOFS, Natural Farming, Nutrigarden, kitchen garden, orchards etc	No.				
	6.7	Creation of market links of farm produces	No.				
	6.8	Use of Institute Facilities (Processing etc.) (in Hours)	Hours				
	6.9	Subsidies/ Assistance (50% of Project cost, Max. Rs 10,000/beneficiary)	No.				
7	**Distribution of Literature**		No.				
8	**Employment generation for livelihood**		(Man-months)				
9	**Fellowship, Stipends or Scholarship**		No.				
10	**Area oriented R&D Activity (project addressing the problems of agri. Sector faced by the SC/STs and benefit directly, which is measurable and identifiable**		No. of projects				
11	**Monitoring & Evaluation of DAPSC/ST (upto 3%)**						
12	**Any other (specify)**						

b. Fund received under TSP in 2024-25 (Rs. In lakh):

12. Details of DAPSC/ SCSP

a. Achievements of physical output under SCSP during 2024

Progress of DAPSC for the year 2024 (Jan. to Dec., 2024)

Name of KVK						
Sl.No.	***Item/Activity***	***Units***	***Targets/Achievements***		***No. of Beneficiaries***	
			Annual Targets	***Achievements***	***Annual Targets***	***Achievements***
1	**Trainings (Capacity building/ Skill Development etc.)**	No.				
	1.1 1-3 days	No.	4	4	120	120
	1.2 4-10 days	No.				
	1.3 2-4 weeks	No.				
	1.4 More than 4 weeks	No.				
2	**On Farm Trials (OFTs)**	No.				
3	**Front Line Demonstrations (FLDs) and other demonstrations**	No.	8	8	55	55
4	**Awareness camps, exposure visits etc.**	No.				
5	**Input Distribution**					

	5.1	Seeds (Field Crops)					
	5.2	Seeds (High Value Crops, spices etc.)					
	5.3	Seeds (Root & Tuber Crops)					
	5.4	Nursery plants	No.	10000	8060	10	10
	5.5	Cutting , slips, suckers, etc	No.				
	5.6	Mushroom Spawns/ Bio-Fertilizers (in Packets)	Packets	700	700	30	30
	5.7	Honey Bee Colonies	No.				
	5.8	Animals-large (Cattle/ Buffalo/ camel/horse/donkey/Mithun/Yak etc.)	No.				
	5.9	Animals-small (pig, sheep, goat etc.)	No.				
	5.1	Poultry chicks / duckling etc	No.				
	5.11	Fish Spawns/ fingerlings	No.				
	5.12	Small equipment's (upto Rs 2000)	No.				
	5.13	Medium Equipment's/ machinery (upto Rs 25000)	No.				
	5.14	Large Equipment's / machinery (> Rs. 25000)	No.				
	5.15	Infrastructure / Civil Works/ Ponds etc	No.				
	5.16	Setting up plant nursery/ seed farm/ hatchery	No.				
	5.17	Land development/ Reclamation / Conservation	hectares				
	5.18	Fertilizers (NPK)/ Secondary fertilizers	tonnes				
	5.19	Micro nutrients	tonnes				
	5.2	FYM/ Vermicompost	tonnes				
	5.21	Soil amendments (Gypsum, lime etc.)	tonnes				
	5.22	Plant protection chemicals	kg				
	5.23	Plant growth Promoter	kg				
	5.24	Animal Feed	tonnes				
	5.25	Animal Fodder	tonnes				
	5.26	Animal medicines	doses				
	5.27	Any other (Liquid PSB etc.)	Litre				
6	**Services/Facilitation**						
	6.1	Animal Health Camps	No.				
	6.2	Artificial Insemination / Vaccination	No.				
	6.3	Veterinary Services (Hospitalization, on-site treatment, PD, surgery etc)	No.				
	6.4	Testing samples of Soil, plant, water, feed, fodder and livestock	No.				
	6.5	Promotion of agri-entrepreneurship	No.				
	6.6	Promotion of IFS, IOFS, Natural Farming, Nutrigarden, kitchen garden, orchards etc	No.				
	6.7	Creation of market links of farm produces	No.				

	6.8	Use of Institute Facilities (Processing etc.) (in Hours)	Hours				
	6.9	Subsidies/ Assistance (50% of Project cost, Max. Rs 10,000/beneficiary)	No.				
7	**Distribution of Literature**		No.				
8	**Employment generation for livelihood**		(Man-months)				
9	**Fellowship, Stipends or Scholarship**		No.				
10	**Area oriented R&D Activity (project addressing the problems of agri. Sector faced by the SC/STs and benefit directly, which is measurable and identifiable**		No. of projects				
11	**Monitoring & Evaluation of DAPSC/ST (upto 3%)**						
12	**Any other (specify)**						

b. Fund received under SCSP in 2024-25 (Rs. In lakh):

13.Progress report of NICRA KVK (Technology Demonstration component) during the period (Applicable for KVKs identified under NICRA)

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
Sequential Rice fish farming	1	1	6.8					17		17		17	To utilized the land which remains fallow for six months during kharif
Mulching in vegetable crops(Brinjal, Chilli, tomato, Pointedgourd)	3	5	1.0					5		5		5	Use of mulching to control weed and decrease the frequency of irrigation
Vermicomposting	1	5	5 nos					5		5		5	Vermi compost production using spent mushroom substrate- waste to wealth
Demonstration of Dhaincha for green manuring	1	10	2.0					10		10		10	Green manuring improves soil structure, increases water

													retention and adds nitrogen to the soil
Mechanized line transplanting of Paddy	1	10	4.0					10		10		10	Mechanized line transplanting saves labour and time. It ensures timeliness in operation.
Roof top rain water harvesting	1	2						2		2		2	Water stored will be used for irrigation

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted									Remarks
		SC		ST		Other		Total			
		M	F	M	F	M	F	M	F	T	
Demonstration of salt tolerant rice variety CR Dhan 412	2.4	2				4		6		6	This variety is appreciated by farmers
Demonstration of flood tolerant Rice variety .	7.7					37		37		37	This variety is very much appreciated by farmer as it is resistant to lodging.
Demonstration of colocasia variety Muktakesi	0.8					20		20		20	Colocasia can grow in submergence condition.
Demonstration of Tomato variety Arka rakhyak	0.4					10		10		10	This variety is a triple disease resistant variety.
Demonstration of Yam variety “Odisa Elite”	0.8	8				12		20		20	

Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
Stocking of IMC yearlings and prawn		1	6.8					17		17		17	Sequential Rice fish farming
Rearing of poultry bird	500	8		20				20		20		20	

"Rhode Island Red"													
Improved cowshed	8	2						2		2		2	
Hydroponics for fodder production	2	2		1				1		2		2	

Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	
Paddy straw mushroom production	1		4				12		16		16	Community mushroom unit

Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
Farm mechanization	1	6				24		30		30
Water conservation	1					30		30		30
Income generation	1		12				18	30		30
Fish feed management	2	21				39		60		60
Crop production technology	1					30		30		30

Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
Field Day	1	26	17			34	13	60	40	100
Visit to the NICRA village by delegates	4					22		22		22
Group meeting	12	55	35		40	110		165	75	240
Interaction of VCRMC with ZMC	1	11			10	39		50	10	60

Technology (ies) popularized/ scaled up during the year

a)Sequential Rice cum fish farming
b) Flood tolerant Rice variety Bina Dhan 11
c) Mulching in vegetable crops

d) Bittergourd cultivation in single line trellis
e) Backyard poultry rearing
f) Cultivation of Banana variety " Patkapura"

14. Awards/Recognition received by the KVK

Sl. No.	Name of the Award	Year	Conferring Authority	Amount	Purpose
1	1st Position in Dist. Agriculture Farm Mechanization Fair, Puri	2024-25	District Agriculture Engineering Dept., Puri, Govt. of Odisha	Nil	-
2	1st Position in Dist. level Matsya O Prani Sampad Mela, Puri	2024-25	Dept of Animal Husbandry and Fishery Puri, Govt. of Odisha	Nil	-
3	Best Extension Scientist	2024-25	OUAT	Rs.10000/-	

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose

15. Any significant achievement of the KVK with facts and figures as well as quality photograph

16. Number of commodity based organizations/ farmers' cooperative society/ FPO formed/ associated with during last one year (Details of the group/society may be indicated)

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator

17. Integrated Farming System (IFS)
Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year

18. Information on Visit of Ministers to KVKs, if any (Please provide good quality photographs)

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)

19. a) Information on ASCI Skill Development Training Programme, if undertaken during 2024

Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants						Whether uploaded to SIP Portal (Y/N)	Fund utilized for the training (Rs.)
				SC		ST		Other			
				M	F	M	F	M	F		
Mushroom Growersr	Dr. Sumita Acharya	24.03.2025	26.03 2025	5	1	0	0	33	11	Y	250000

Photographs:

b) Information on Skill Development Training Programme (Other than ASCI or less than 200 hrs., if any) if undertaken during 2024

Thematic area of training	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	

20. Information on NARI Project(if applicable)

Name of Nodal Officer	No. of OFT on specified aspects	Title(s) of OFT	No. of FLD on specified aspects	No. of capacity development programme on specified aspects	Total no. of farm women/ girls involved in the project	Details of Issues related to gender mainstreaming addressed through the project

21. Any other programme organized by KVK, not covered above

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants

22. Good quality action photographs of overall achievements of KVK during the year (best 10)

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