

ANNUAL PROGRESS REPORT 2024

(January 2024 to December 2024)



କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର
कृषि विज्ञान केन्द्र
KRISHI VIGYAN KENDRA
NAYAGARH



ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY

At: Panipoila, P.O.: Balugaon, Dist.: Nayagarh, PIN : 752070, Odisha.

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	
KrishiVigyan Kendra At-Panipoila, Po- Balugaon, Dist, Nayagarh, Pin-752070		-	kvk.nayagarh@ouat.ac.in kvknayagarh.ouat@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture & Technology, Bhubaneswar, Odisha	0674- 239736 2	0674-2397362	deanextensionouat@yahoo.com deanextension_ouat@rediffmail.co m, dee@ouat.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Anil Kumar Swain	-	9439024040 9438615702	anilkumarswainouat@gmail.com

1.4. Year of sanction of KVK:2004

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. Anil Kumar Swain	Sr. Scientist & Head	Fishery Science	1,31,400-2,17,100 Rs. 1,66,400	19.10.2019	Temporary	Other
2	Subject Matter Specialist	Mrs. Gitanjali Subudhi	Scientist	Home Science	57700-182400 Rs. 95300	04.06.2021	Temporary	Other
3	Subject Matter Specialist	Mr. Pramod Ku Prusti	Scientist	Plant Protection	57700-182400 Rs. 82200	24.05.2018	Temporary	Other
4	Subject Matter Specialist	Dr. Gyana Ranjan Sahoo	Scientist	Forestry	57700-182400 Rs. 84700	04.07.2023	Temporary	Other
5	Subject Matter Specialist	Dr Madhumita Jena	Scientist	Agril. Extension	57700-182400 Rs.82200	01.08.2022	Temporary	Other
6	Subject Matter Specialist	Er. (Mrs.) Suchismita Dwivedy	Scientist	Agri. Engg.	15600-39100 +AGP 6000/- Rs.21390	22.01.2016	Temporary	Other
7	Subject Matter Specialist	Vacant	Scientist		-			
8	Farm Manager	Mr. Debasish Nayak	Farm Manager	Agronomy	-	31.01.2019	Temporary	Other
9	Programme Assistant	Vacant	Programme Assistant	-	35400-112400 Rs.56900	-	Temporary	Other
10	Computer Programmer	Mrs. Sangita Panda	Programme Assistant	Computer	35400-112400 Rs.50500	10.07.2023	Temporary	Other
11	Accountant / Superintendent	Vacant	Ofc Superintendent Cum- Accountant	-	-	-	-	-
12	Stenographer	Mrs. T. Chhualasingh	Stenographer	Jr. Steno-cum-CO	25500-81100 Rs.32300	11.11.2016	Temporary	Other
13	Driver-cum-Mechanic	Mr. Pramod Ku Lenka	Driver-cum-Mechanic	-	21700-69100 Rs.30200	04.06.2021	Temporary	Other
14	Driver-cum-Mechanic	Mr. Dillip Pradhan	Driver- Cum-Mechanic	-	21700-69100 Rs. 28400	18.02.2019	Temporary	Other
15	Supporting staff	Mr. Harihar Pradhan	Peon-cum-Watchman	-	16600-52400 Rs.25800	01.12.2014	Temporary	Other
16	Supporting staff	Mr. Gunanidhi Bauta	Peon-cum-Watchman	-	16600-52400 Rs.25800	04.06.2021	Temporary	Other

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1.	Under Buildings	1.0
2.	Under Demonstration Units	0.4
3.	Under Crops	2.16
4.	Orchard/Agro-forestry	1.2
5.	Others with details	1.97
6.	Ponds	0.8
	Total	7.53 ha

Total area should be matched with breakup

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.	Adm. Building					Yes			ICAR
2.	Farmers Hostel					Yes			ICAR
3.	Staff Quarters (6)					Not Available			
4.	Piggery unit					Not Available			
5.	Fencing					Yes			
6.	Rain Water harvesting					Not Available		Required	
7.	Threshing floor					Yes			RKVY
8.	Farm Godown					Not Available		Required	
9.	Dairy unit					Not Available		Required	
10.	Poultry unit					Yes			ARYA
11.	Goatary unit					Not Available			

12.	Mushroom Lab					Yes			RKVY
13.	Mushroom prod unit					Yes			ICAR
14.	Shade house					Not Available			
15.	Soil test Lab					Yes			ICAR
16.	Vermicompost unit					Yes			ICAR
17.	Poly house					Yes			ICAR

* 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
Bolero	2020	8,00,000	47380	Good
Tractor	2023	6,55,297	125 hrs	New
Motor Cycle	2005	51,000	83475	Good

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Soil testing lab equipment	2017-18	17,00,000	Workable condition	ICAR
Autoclave	2017-18	1,20,000	Workable condition	ICAR
Digital refractometer	2017-18	15000	Workable condition	ICAR
Drying cabinet	2017-18	20000	Workable condition	ICAR
Crown cap sealing machine	2017-18	6000	Workable condition	ICAR
Food processor	2017-18	5000	Workable condition	ICAR
Vacuum sealing machine	2017-18	2000	Workable condition	ICAR
Plant Health Clinic lab equipments	2022-23	25,00,000	Workable condition	GoO
b. Farm machinery				
Water pump (1.5 hp)	2017-18	10,000	Workable condition	ICAR
Drum Seeder	2017-18	3000	Workable condition	ICAR

Paddle Paddy Thresher	2017-18	6225	Workable condition	ICAR
Electric Paddy Thresher	2017-18	7225	Workable condition	ICAR
Tractor drawn Sugarcane ridger	2022-23	14,800	Workable condition	ICAR
Agricultural spray Drone	2022-23	8,45,728	Workable condition	ICAR
Tractor	2022-23	6,55,297	Workable condition	ICAR
Solar Nano Pump(0.1hp)	2022-23	14,500	Workable condition	ICAR
Power Weeder(1.5hp)	2022-23	14,800	Workable condition	ICAR
Solar surface Pump(0.5hp)	2023-24	88,000	Workable condition	GoO
Solar submissible pump(0.5hp)	2023-24	80,000	Workable condition	GoO
Lux Meter	2023-24	10,000	Workable condition	GoO
Mini Oil Mill	2023-24	15,000	Workable condition	ICAR
Grain Moisture Meter	2024-25	6999	Workable condition	ICAR
Soil Moisture meter	2024-25	5000	Workable condition	GoO
c. AV Aids				
Computer	2017-18	38,000	Workable condition	ICAR
Inverter	2017-18	40000	Workable condition	ICAR
DSLR camera	2017-18	42000	Workable condition	ICAR
LCD Projector	2019-20	64,000	Workable condition	ICAR
Laptop	2022-23	35,354	Workable condition	ICAR(ARYA)

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Cultivator	-	-	Good	ICAR
M.B. Plough	2013	30,000	Good	ICAR
Land Leveler	2014	19500	Good	ICAR
Disc plough	2013	64000	Good	ICAR
Sugarcane Ridger	2020	14000	Good	ICAR
Power Weeder(5 hp)	2023	88000	Good	MIDH(GoO)
Cage Wheel	2023	14,950	Good	ICAR
Post Hole Digger	2023	14,800	Good	GoO

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.	11.11.2024	35	IPM on stem borer and leaf folder management in rice	• Front Line Demonstration conducted at Kantabania, Laxmi prasad, Nachhipur village of Nayagarh, Bhapur and Daspalla blocks respectively involving 10 farmers • F/FW training on IPM on stem borer and leaf folder management in rice conducted at Nacchipur village on 05th July 2024.	
2			Intercropping technology in teak based Agroforestry system	• OFT conducted on Assessment of Spices in Teak based Agroforestry system in Kharif 2024 at Badibari village of Nuagaon block • F/FW training on Horti-silvi Agroforestry model conducted at Laxmiprasad village of Bhapur block on 29th July 2024.	
3			Promotion of Floriculture with marketing through SHGs	• Marigold plantation at KVK farm as Demonstration unit in Ridge furrow technology for promotion in the district. • OFT on 'Assessment of cultivation of different marigold varieties for income generation through SHGs' has executed at Radhanathpur (Maa Chakrabauti, Gramadevati, Tarini, Mahavir-A, Mahavir-B) & Viruda(Maa Mangala) village of Nuagaon block involving 06 SHGs.	

				• FW training on 'Scientific technique of marigold cultivation' imparted at Kendupalli village of Gania block involving 25 no of participants.	
4			Proper Packaging and marketing of Kanteimundi brinjal	• Different packaging materials like cardboard packing, Fruit Covering & Packaging Foam Net, thermocol roll have been selected for packing of the brinjal through OFT Program. • Marketing channel discussed with APEDA through Neelamadhav Krishi Sanghathana in collaboration with FPO to outside the state	
5			Solar based irrigation system and Agri Spray Drone technology in rice	• Lifesaving irrigation for paddy field through Solar Surface pump(0.5hp) in the KVK farm • Installation of Solar Submersible pump(0.5hp) for drip Irrigation for vegetable in KVK farm under MIDH project. • Agri Spray Drone demonstration conducted during Rabi 2024 at farmers field covering 250ha area involving 600 farmers of 8 blocks. • FLD on Agri drone Spraying in rice conducted at Kantabania village of Nayagarh block covering 4 ha involving 10 famers field. • Demonstration of Agri drone Spraying under SCSP activity conducted at Kantabania village (Model village) covering 12ha area of rice.	

6			Cultivation of high value crops like pointed gourd and spine gourd	• Mother Plant unit of Pointed Gourd(Var-Swarna aulokik) and Spine Gourd(Var-Arka Neelachala shanti) has been developed at KVK farm for QPM production on mass basis to promote as high value crop under MIDH project. • FLD conducted on Cultivation of Pointed Gourd(Var-Swarna aulokik) through fish net in trellies system conducted at Chhamundia vill of Gania block	
7			Control measures for Argulosis in fish	• OFT (Refinement) conducted at 3 different blocks (Nayagarh, Odogaon, Gania) involving 10 farmers. • As per suggestions during SLREC 2024 all the KVKs has taken this OFT • TANDAV the ICAR-CIFRI product performance is better with ZERO reoccurrence. • Details technology for control of Argulosis circulated to farmers through Matshya Bandhu Mobile App developed by OUAT	
8			Promotion of New Poultry Breeds among small and marginal farmers for backyard farming	• Under Revolving fund seven poultry breeds were reared i.e Banaraja, Aseel, Kaveri, Kadaknath, RIR, Rainbow Rooster, White leg horn, Kalinga-Pallishree. • Total of 3846 numbers of 21 days old chicks were sold during 2023-24. • Under SCSP: 110 number of farm households were supported with 1028 no. of chicks (Rainbow Rooster, Aseel,	

				Kadaknath & Banaraja) to awareness on backyard poultry. • FLD of Japanese quail farming at homestead is conducted involving 13 no. of beneficiaries of Odogaon, Ranpuar & Nayagarh block • Under ARYA Youth are trained and supported start up incentives for income generation. • 1 Vocational training for youth conducted	
9			Documentation of KVK activities	• Publication of Booklet on Natural Farming for promotion among the farmers. • Publication of Booklet on Shri Arna Millet for promotion among the farmers. • Documentation of KVK activities through KVK quarterly Newsletter "Sabujaswarna" • KVK ranking 88 with documentations of 2220 activities in KVK, ICAR portal • Today we will launch the KVK Video in Our Youtube Channel	

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

Agenda – III: Interaction among the members of SAC:

After completion of the presentation the chairman requested the members to comment on activities conducted and invited suggestions.

The Suggestions made by the members were as follows:

- The Principal Scientist, ICAR-ATARI, Kolkata praised for the external fund received and utilized by the KVK for the holistic development farming community and also suggested to take up activities related to cost reduction technologies, exotic fruit crops, forest conservation as well as stressed on statistical data analysis of OFTs conducted.
- The Principal Scientist, ICAR-CIFA, Bhubaneswar appreciated the diversified activities conducted by the KVK. The capacity building activities can bridge the gap between skill & technology which should be transferred to the targeted clientele channelized by district department.
- The Officer In-charge, Sugarcane Research Station, Nayagarh focused to popularize short duration sugarcane varieties for the sugarcane grower and to promote 3-pan jaggery production system for marketing and better acceptability.
- The Chief District Agriculture Officer, Nayagarh appreciated the activities taken by KVK for the year 2022 besides he suggested to take up a trial on chickling pea production under rice- fallow areas to promote rice-pulses cropping system. Further, he stressed upon for area expansion under sugarcane cultivation and ways to promote farm mechanization in the field of agriculture.
- Study on relative benefits and advantages of Environmental control farm Vs deep litter farm to be conducted by the KVK scientist for promoting and popularizing the technology among the poultrypreneurs was suggested by ADVO, Nayagarh
- As major portion of area is under horticultural crops and moreover there is higher demand for cultivation of green banana among the growers. Therefore, Deputy Director of Horticulture stressed upon farmers participatory research on performance of different varieties of tissue culture Green Banana under irrigated medium land besides, he suggested for best fitted Integrated Pest Management (IPM) technologies to be promoted among vegetable growers.
- Additional District Fishery Officer, Nayagarh suggested to develop a demonstration unit on Bio floc at KVK campus which will act as a model unit and requested for a standard technology to control important fish diseases.
- Smt. Sini Jena, Farmer representative suggested for an organized market channel for bulk collection and selling of mushroom and capacity building of growers for processing and value addition for fetching better prices.
- Mr. S. K. Mohanty Farmer, stressed upon proper packaging & marketing of sweetcorn and promotion of wilt resistance vegetable varieties for higher productivity.

Recommendation of XVII SAC meeting of KVK, Nayagarh

1. Emphasis on Soil Conservation Activities
 2. Promotion of Natural farming among the farmers
 3. Focus on Sugarcane Jaggery packaging and marketing through SHGs
 4. Value addition of Millets
 5. Bio-floc technology with different species
 6. Integrated pest Management (IPM) of important crops
 7. Documentation of outreach, accomplishment of KVK activities
- The meeting ended with a vote of thanks by Senior scientist & Head.

Sr Scientist and Head
KVK, OUAT, Nayagarh
Senior Scientist & Head
KRISHI VIGYAN KENDRA
O.U.A.T., Nayagarh-752070

JOINT DIRECTOR EXTENSION
(DISTANCE EDUCATION)
O.U.A.T., BHUBANESWAR

DEAN
Extension Education
OUAT, Bhubaneswar

ANNEXURE-I

List of Members attended the SAC Meeting held on 16.01.2023 at 10.30 AM.

S.N	Name of participant	Address	Status
1.	Dr M.P Nayak	Joint Director (Info), DEE, OUAT, Bhubaneswar	Chairman
2.	Dr H.F Rehman	Principal Scientist, ICAR-ATARI, Kolkata	Member
3.	Dr H.K. Dey	Principal Scientist, ICAR-CIFA, Bhubaneswar	Member
4.	Prof. C.M Khanda	ADR, RRTTS(CZ), OUAT, Bhubaneswar	Member
5.	Prof. P.K Nayak	OIC, SRS, OUAT, Nayagarh	Member
6.	Sri. S.C Mohapatra	CDAO, Nayagarh	Member
7.	Sri. L.K Panda	DDH, Nayagarh	Member
8.	Dr A.K Jena	ADVO, Nayagarh	Member
9.	Mr Mohitosh Giri	EE (Agril), Nayagarh	Member
10.	Mr Sudhanshu Satpathy	PD, Watershed, Nayagarh	Member
11.	Dr. Pratap Kumar Pradhan	Nodal Officer, O/O CDVO, Nayagarh	Member
12.	Mrs. Subhashree Mishra	ADFO, Nayagarh	Member
13.	Mrs. Trupti Tapasi	DDM, NABARD, Nayagarh	Member
14.	Mr S. Pattnaik	LDM, SBI, Nayagarh	Member
15.	Mr B.P Pattnaik	DD Representative, Nayagarh	Member
16.	Mr Chakradhar Jena	Farmer, Nayagarh (Small farmer)	Member
17.	Mr Swaraj Mohanty	Farmer, Nayagarh (Big farmer)	Member
18.	Mrs Sini Jena	Women Farmer Representative, Nayagarh	Member
19.	Mrs Janaki Pradhan	Women Farmer Representative, Nayagarh	Member
20.	Mr Sanjay Das	OLM, Nayagarh	Invitee
21.	Mrs. Gitanjali Subudhi	Scientist (Home Science), KVK, Nayagarh	Invitee
22.	Dr. Lata Mallick	Scientist (Soil Science), KVK, Nayagarh	Invitee
23.	Dr. Madhumita Jena	Scientist (Agril. Extn.), KVK, Nayagarh	Invitee
24.	Mrs. Suchismita Dwivedy	Scientist (Agril. Engg), KVK, Nayagarh	Invitee
25.	Mrs. Snigdha Pattnaik	SMS(Agrometeorology), KVK, Nayagarh	Invitee
26.	Dr. Jyoti Rekha Pattnaik	Jr. Scientist (Agronomy), SRS, Nayagarh	Invitee
27.	Ms. Swagatika Mohanty	Jr. Scientist (Plant Pathology), SRS, Nayagarh	Invitee
28.	Sj. Debashis Nayak	Farm Manager, KVK, Nayagarh	Invitee
29.	Dr. Anil Kumar Swain	Senior Scientist and Head, KVK, Nayagarh	Secretary

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

Sl. no.	Item	Information
1	Major Farming system/enterprise	Rice – Greengram
2	Agro-climatic Zone	East and South Eastern Coastal Plain Zone
3	Agro ecological situation	Rainfed Laterite
4	Soil type	Mixed red, alluvial
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Paddy-45q/ha, Greengram-4.68q/ha, sugarcane-69.95ton/ha
6	Mean yearly temperature, rainfall, humidity of the district	1354mm, 38°C, 87%
7	Production of major livestock products like milk, egg, meat etc.	21.76 TMT milk 120 lakh egg + 0.136 TMT

Note: Please give recent data only

2.b. Details of operational area / villages (2024)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Nayagarh	Gania	Kendupalii	Paddy, Pigeon pea, Vegetables, Mushroom & Poultry	• Labour problem in different agricultural operation in pulses. • Poor productivity of Pigeon pea due to disease complex • Non-commercialization of organic wastage • Low productivity of country birds	• Farm mechanization in pigeon pea • IPDM in greengram • Promotion of Renewable energy • Vermi-compostproduction • Rearing management of improved poultry • Cultivation of Paddy straw mushroom with threshed straw
2	Nayagarh	Bhapur	Laxmiprasad	Paddy, Greengram, Vegetables, Mushroom	• Severe yield loss due to attack of BPH in paddy • Low price of vegetables in Rabi season • Under utilisation of threshed	• IPDM measures in paddy • Off season vegetable cultivation & Promotion of floriculture • Varietal evaluation &

					paddy straw	production management offish • Cultivation of Paddy straw mushroom with threshed straw
3	Nayagarh	Nayagarh	Sarapada	Paddy, Greengram Vegetables, Groundnut Sesamum, Fishery,	• Severe infestation of insect pest and disease in paddy, pulses, oilseed & vegetables • Imbalance use of manures and fertilizers with weed problem in Paddy, pulses & oilseeds leading to low productivity • Poor yield due to disease Complex in vegetables & fruits. • Potato chips through open sun drying is more time consuming and poor hygienic process • Low growth rate of normal Rohu with low availability of natural plankton leading to less fish yield	• Organic farming in paddy, oilseeds & vegetables • Integrated weed management in pulses & mango • INM & IDM in vegetables • Value addition of vegetables • Introduction of improved fish variety with feed management
4	Nayagarh	Ranapur	Malisahi	Paddy, Greengram Mustard,	• Use of excessive nitrogenous fertilizer in rice leads to degradation of soil fertility & more incidence of pest & disease. • Low growth rate and yield of green gram due to sowing during (low temp) 4th week of Dec. • Labour problem in sowing of greengram • Less return from paddy fallow areas • Low milk yield due to poor feeding	• INM & IPDM in paddy • ICM in Rabi greengram • Farm mechanization. • Introduction of short duration oilseed crops • Feeding management of dairy animals.
5	Nayagarh	Nuagaon	Dimiripalli	Paddy, Greengram, vegetables Poultry	• Labourer problems for different farm activities • Low price of vegetables in Rabi season • Low productivity of country birds.	• Farm mechanization in vegetables • Introduction of high yielding varieties • Off season cultivation of onion & cauliflower • Rearing management of improved breed of Poultry

2. c. Details of village adoption programme:

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

Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Kendupalii	2021-22	Gania	120	755	114
Laxmiprasad	2021-22	Bhapur	30	5103	254
Sarapada	2021-22	Nayagarh	30	1577	235
Malisahi	2021-22	Ranapur	42	1028	261
Dimiripalli	2021-22	Nuagaon	50	895	244

2.1 Priority thrust areas

S. No	Thrust area
1.	Varietal substitution in rice, particularly for rain-fed upland and medium land types.
2.	Crop diversification from rice to pulse (Arhar), oilseed (Sunflower, ground nut) sugarcane and tuber crop based cropping systems.
3.	Integrated nutrient management by incorporation of crop residues/forest litters, green manuring, improvised composting and balanced use of inorganic and bio-fertilizers.
4.	Popularizing ecofriendly pesticides and bio-control agents and IPM practices for borers in sugarcane, rice and brinjal.
5.	Revolutionizing fresh water fish farming by including freshwater prawn (Scampi) in composite pisciculture system.
6.	Empowerment of rural youth and SHGs through remunerative agro based enterprises like value addition of fruits and vegetables, mushroom production, bee keeping, floriculture, poultry farming and nursery raising.
7.	Rejuvenating mango and cashew orchards and developing Alternative Land Use system models.
8.	Scientific method of fish production with freshwater prawn culture, integrated farming system research and stunted fingerlings & yearlings stocking.
9.	Income generation from backyard poultry for economic upliftment.
10.	Raising of fuel wood, timber and fodder yielding species to meet the local demand and production, value addition of minor forest products.
11.	Varietal substitution in rice, particularly for rain-fed upland and medium land types.
12.	Popularization of Farm implements to reduce drudgery as well as cropping intensity.
13.	Post harvest processing

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD											
No. of technologies tested:												No. of technologies demonstrated:											
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	164	12	9	11	0	3	30	125	39	164	21	21	253	50	22	23	23	49	53	14	99	253

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
68	68	1585	198	162	155	167	558	345	911	674	1585	230	195	1500	120	120	95	79	505	162	720	361	181

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
80	80	1	0	0	0	3	1	4	1	5	80	80	1	0	0	0	2	1	3	1	4

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
50	48	1.0	1.22

Livestock strains and fish fingerlings produced (in lakh) *		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
0.50000	0.20000	0.00500	0.0400

* 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	-	-	-	-	-	-	-
Seminar/conference/ symposia papers	5	1000	-	-	-	-	-
Books	1	30	-	-	-	-	-
Bulletins	-	-	-	-	-	-	-
News letter	4	2000	-	-	-	-	-
Popular Articles	-	-	-	-	-	-	-
Book Chapter	-	-	-	-	-	-	-
Extension Pamphlets/ literature	5	5000	-	-	-	-	-
Technical reports	6	600	-	-	-	-	-
Electronic Publication (CD/DVD etc)	12	1000	-	-	-	-	-
TOTAL	33	9630	-	-	-	-	-

3.1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of IPM Modules for the management of Brinjal fruit and shoot borer
2.	Problem diagnosed	Low yield due to infestation of fruit and shoot borer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO₁ - Erection of Pheromone traps @ 20 nos./ha, release of <i>T. chilonis</i> @ 50,000/ha 6 times from 21 DAT at weekly interval, spraying of <i>Bt</i> at flowering @ 2ml/l two times in 10 days interval. Spraying of Emamectin benzoate 5% SG @ 200 g/ha at ETL > 5%, Source : OUAT, AR, 2018 TO₂ : Clipping of infested shoots & fruits regularly, pheromone traps @ 25/ha at 30 DAT, spraying of Azadiractin 1500 ppm @ 3 ml/l at 20 DAT, spraying of <i>Bt</i> @ 2 ml/l twice at 30 DAT and 45 DAT, spraying of Chlorantraniliprole 18.5% SC @ 0.25 ml/l at 60 DAT, Source : OUAT, AR, 2019
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT, AR, 2018 and OUAT, AR, 2019
5.	Production system and thematic area	IPM
6.	Performance of the Technology with performance indicators	Crop is in the field
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: IPM

Problem definition: Low yield due to infestation of fruit and shoot borer

Technology assessed: Assessment of IPM Modules for the management of Brinjal fruit and shoot borer

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
		Result Awaited								

OFT-2

1	Title of On farm Trial	Assessment of Integrated Management of sucking pests in Okra
2	Problem diagnosed	Reduction of yield of okra due to infestation of sucking pest like white fly, jassid and white fly
3	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO₁: Seed treatment with Imidacloprid 600 FS @ 5ml/kg of seed, Installation of Yellow Sticky trap @50/ha at 25 DAS, alternate spraying of Afidopyropen 5% DC @ 600 ml/ha and Neem oil 300 PPM @ 2.5 l/ha starting from 30 DAS at 10 days interval TO₂: Seed treatment with Imidacloprid 600 FS @ 5ml/kg of seed, Installation of Yellow Sticky trap @ 50 nos./ha, Alternate spraying of Tolfe nypyrad 15% EC @ 1000 ml/ha and Neem oil 300 ppm@ 2.5 l/ha starting from 30 DAS at 10 days interval
4	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	GAU, Anand, 2022 and RVSKVV, Gwalior, 2021
5	Production system and thematic area	IPM
6	Performance of the Technology with performance indicators	F.P.: Mean population of Jassids /6 leaves: 11.5, Mean population of aphids /6 leaves: 10.7, Mean population of white fly /6 leaves: 8.4, Yield :94.6 q/ha, B:C ratio :2.42, TO₁: Mean population of Jassids /6 leaves :4.8, Mean population of aphids /6 leaves: 4.2, Mean population of white fly /6 leaves :2.9, Yield: 108.3 q/ha, B:C ratio: 2.64 TO₂: Mean population of Jassids /6 leaves :3.2, Mean population of aphids /6 leaves: 2.5, Mean population of white fly /6 leaves :1.8, Yield: 110.8 q/ha, B:C ratio :2.68
7	Final recommendation for micro level situation	TO₁: Seed treatment with Imidacloprid 600 FS @ 5ml/kg of seed, Installation of Yellow Sticky trap @ 50 nos./ha, Alternate spraying of Tolfe nypyrad 15% EC @ 1000 ml/ha and Neem oil 300 ppm @ 2.5 l/ha starting from 30 DAS at 10 days interval
8	Constraints identified and feedback for research	Pre-Harvest Interval (PHI) to be calculated for both the insecticide i.e. Afidopyropen 5% DC and Afidopyropen 5% DC
9	Process of farmers participation and their reaction	One to one way discussion with farmers

OFT-3

1.	Title of On farm Trial	Assessment of packaging methods for kanteimundi brinjal
2.	Problem diagnosed	Difficulties in plucking of brinjal and transportation of brinjal to long distances
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed TO ₁ : Packing with bubble wrap TO ₂ : Packing with foam sheet
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on PHT, CAET, OUAT,2021
5.	Production system and thematic area	Rice-Vegetable and Post Harvest Technology
6.	Performance of the Technology with performance indicators	Shelf Life(days) At 25-30°C-FP: 4, Firmness: Very Soft, Colour: Yellowish, Overall Acceptability: Very Low Quality, Shelf Life(days) At 25-30°C in TO ₁ - Soft, Colour: Light Yellow, Overall Acceptability: Low Quality, Shelf Life(days) At 25-30°C in TO ₂ - Slightly Firm, Colour: Light Yellow, Overall Acceptability: Low Quality
7.	Final recommendation for micro level situation	The trial will be conducted again for the acceptable range of physical properties of brinjal.
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Training, OFT

Thematic area: Aquaculture Engineering

Problem definition: Difficulties in plucking of brinjal and transportation of brinjal to long distances

Technology assessed: Assessment of packaging methods for kanteimundi brinjal

Table:

Technology option	No. of trials	Monitoring Parameters				Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Shelf Life(days) At 25-30°C	Sensory Analysis						
FP	10	4	Firmness	Colour	Overall Acceptability	Result Awaited			
TO ₁		5	Very Soft	Yellowish	Very Low Quality				
TO ₂		5	Soft	Light Yellow	Low Quality				

OFT-4

1.	Title of On farm Trial	Assessment on Tractor Operated Seed drill for green gram sowing
2.	Problem diagnosed	Broadcasting seeds with higher seed rate
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed TO ₁ : Tractor operated Seed drill with Zero tillage TO ₂ : Happy seeder
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on FIM, CAET, OUAT
5.	Production system and thematic area	Rice-green gram and Farm Mechanization
6.	Performance of the Technology with performance indicators	Labour Requirement (MDs/ha), Yield(q/ha), Depth of sowing(cm) Seed rate (Kg/ha)
7.	Final recommendation for micro level situation	Less time consuming, utilization of straw lying on the field after harvest of paddy crop and proper maintaining of soil moisture and mulching for green gram germination
8.	Constraints identified and feedback for research	For happy seed drill State Govt subsidy fascity is not there.
9.	Process of farmers participation and their reaction	Training, OFT

Thematic area: Farm Mechanization

Problem definition: Low yield due to delayed sowing and less net return due to high cost of cultivation, more labour and time consumption. To avoid burning of paddy straw by farmers left by combine harvester

Technology assessed: **Assessment on Tractor Operated Seed drill for green gram sowing**

Table:

Technology option	No. of trials	Yield component			Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Yield(q/ha)	Seed rate (kg/ha)	Labour (m.d./ ha.)				
FP	10	3.4	50.0	24.0	17100	27200	10100	1.59
TO ₁		4.5	31.5	3.0	18650	36000	17350	1.93
TO ₂		5.2	30.0	3.0	17580	41600	24020	2.36

OFT-5

1.	Title of On farm Trial	Assessment of suitable marketing strategies for better marketing of high value crops
2.	Problem diagnosed	Lack of market intelligence and existing marketing channels form low return from high value crops.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessment
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	--
5.	Production system and thematic area	Vegetable-Maize cropping system. Agri-marketing strategy
6.	Performance of the Technology with performance indicators	Price pf the green cob(Rs.), Size of the cob., quantity sold (no.)
7.	Final recommendation for micro level situation	Fixing catchy banner for effective marketing channel in connection with high value crops definitely create a positive impact on growers as well as traders.
8.	Constraints identified and feedback for research	Bumper production and surplus availability of produce lower the price of the commodity.
9.	Process of farmers participation and their reaction	High value crops pays off well when the crop is marketed to nearby districts through direct marketing or spot marketing.

Thematic area: Agri-marketing strategy

Problem definition: Lack of market intelligence and existing marketing channels form low return from high value crops.

Technology assessed: **FP:** Sell of produce at local market/*haat*, **TO₁** : Sell to local traders at the farm gate, **TO₂**: Fixing a banner at suitable place
Table:

Technology option	No. of trials	Price of green cob.(1000 pc)	Size of green cob.	Quantity sold	No. of traders	Feed back
FP	30	7500	Smaller size	500pc	Local haat/mandi	Low price in local market due to price volatilization.
TO₁		10000	Bigger size	More than 2000	Regular traders	Higher price realization through direct marketing.
TO₂		10000	Bigger size	More than 3000	Attract new trader/ traders of neighboring district to the farm	Complete crop is been sold by the purchaser/trader with a fixed negotable price..

OFT-6

1.	Title of On farm Trial	Assessing efficacy of different channels to get appropriate technology from reliable sources
2.	Problem diagnosed	Non availability of appropriate technology at farmers door step which needs immediate attention in non-accessible areas
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessment
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	--
5.	Production system and thematic area	Information dissemination
6.	Performance of the Technology with performance indicators	Timely availability of the technology (%), understandability of technology (%), easy to use(%), retention and retrieval of the information(%), Knowledge gain (%) change in production(%)
7.	Final recommendation for micro level situation	Black board technology is one of the productive medium of accessing real-time information to the farmers
8.	Constraints identified and feedback for research	Applicability of the technology is not always feasible due to many biotic and abiotic factors.
9.	Process of farmers participation and their reaction	Getting technical inputs in the form of black board advisory is much useful and informative.

Thematic area: Information dissemination

Problem definition: Non availability of appropriate technology at farmer's door step which needs immediate attention in non-accessible areas

Technology assessed: **FP: F-F extension, TO₁ : Print media, TO₂ : Blackboard technology**

Technology option	No. of trials	Timely availability of the technology		understandability of technology		Easy to use		retention and retrieval of the information		Knowledge gain		change in production	
		Mean score	Gap(%)	Mean score	Gap(%)	Mean score	Gap(%)	Mean score	Gap(%)	Mean score	Gap(%)	Mean score	Gap(%)
FP	30	0.92	54	1.1	45	1.14	43	1.11	44.5	0.97	51.5	1.15	42.5
TO1		0.66	67	0.89	55.5	1.22	39	1.17	41.5	1.43	28.5	1.2	40
TO2		1.33	33.5	1.21	39.5	1.31	34.5	1.53	23.5	1.46	27	1.33	33.5

OFT-7

1.	Title of On farm Trial	Refinement of improved techniques for cultivation of Paddy straw mushroom (<i>Volvariella Volvacea</i>) using crumpled straw.
2.	Problem diagnosed	1.Unutilization of crumbled paddy straw 2. High labour cost & low yield from rectangular size crumpled paddy straw mushroom bed.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-I: Square compact bed size (30x30 cm ²) mushroom production by using crumbled paddy straw 5 kg, soaking of straw in water for 5 hrs. in 2% CaCO ₃ , 14-20 days age spawn at 2% of dry substrate weight and horse gram powder (at 3% dry substrate weight). TO-II: Circular compact bed size (45 cm diameter) mushroom production by using crumbled paddy straw 5 kg, soaking of straw in water for 5 hrs. in 2% CaCO ₃ , 14-20 days age spawn at 2% of dry substrate weight and horse gram 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	Homestead, Income Generation
6.	Performance of the Technology with performance indicators	Very Good; Average weight/fruit body, Pin head appearance(days), Bio efficiency(%),Yield (kg/bed), Days of 1 st flush, Cost of intervention, Net profit, B C ratio.
7.	Final recommendation for micro level situation	Circular compact bed size (45 cm diameter) mushroom production by using crumbled paddy straw provides higher yield of Paddy straw mushroom than square/rectangular compact bed
8.	Constraints identified and feedback for research	1. The findings of the assessment is made for Kharif season. Hence to ascertain the findings it should be repeated during Summer and Rabi season.
9.	Process of farmers participation and their reaction	Training, awareness, group discussion.

Thematic area: Income Generation

Problem definition: Un-utilization of crumbled paddy straw

Technology assessed: Assessment of improved techniques for cultivation of Paddy straw mushroom (*Volvariella Volvacea*) using crumpled straw.

Table:

Technology option	No. of trials	Yield component				Yield (kg/bed)	Cost of cultivation (Rs./ha)	Gross return (Rs/bed)	Net return (Rs./bed)	% Increase in Income	BC ratio
		Bio efficiency (%)	Pin head appearance (days)	Days of 1 st flush	Ave. wt. of fruiting body						
FP	10	10.2	13	16	26	0.510	58/-	81.60	23.60	-	1.40
TO ₁		10.7	13	16	26	0.535	55/-	85.60	30.60	29.6	1.55
TO ₂		12.1	13	16	27	0.605	55/-	96.80	41.80	77.1	1.76

OFT-8

1.	Title of On farm Trial	Assessment of humidity management in paddy straw mushroom production.
2.	Problem diagnosed	Low yield of Paddy straw mushroom during extreme summer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-I: : Mushroom production by using bundled paddy straw substrate (3 layers) with covering the floor with 2-inch sand in moist condition and spreading wet gunny bag along the windows/ walls. TO-II: Mushroom production by using bundled paddy straw substrate (3 layers) with Installation of Fogger and hanging of folding type of Gunny bag outside the shade net.
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	CTMRT, OUAT, 2014.
5.	Production system and thematic area	Paddy straw mushroom- Oyster mushroom, Income Generation
6.	Performance of the Technology with performance indicators	Very Good; Pinhead appearance (days), Average fruit body weight (g), Biological efficiency (%) Net Return (Rs.), B:C ratio Average weight/fruit body, Pin head appearance(days), Bio efficiency(%),Yield (kg/bed), Days of 1 st flush, Cost of intervention, Net profit, B C ratio.
7.	Final recommendation for micro level situation	Mushroom production by using bundled paddy straw substrate (3 layers) with Installation of Fogger and hanging of folding type of Gunny bag outside the shade net (T2) provides higher yield of Paddy straw mushroom than Mushroom production by using bundled paddy straw substrate (3 layers) with covering the floor with 2-inch sand in moist condition and spreading wet gunny bag along the windows/ walls(T1).
8.	Constraints identified and feedback for research	1. The finding of the assessment is made for Kharif season. Hence to ascertain the findings it should be repeated during Summer and Rabi season.
9.	Process of farmers participation and their reaction	Training, awareness, group discussion.They are very much satisfied with their increase in yield during summer due to installation of fogger and hanging of folding type of Gunny bag outside the shade net(T2)

Thematic area: Income Generation

Problem definition: Low yield of Paddy straw mushroom during extreme summer

Technology assessed: Assessment of humidity management in paddy straw mushroom production

Table:

Technology option	No. of trials	Yield component				Yield (kg/bed)	Cost of cultivation (Rs./ha)	Gross return (Rs/bed)	Net return (Rs./bed)	% Increase in Income	BC ratio
		Bio efficiency (%)	Pin head appearance (days)	Days of 1 st flush	Ave. wt. of fruiting body (gm)						
FP	10	6.90	09	12	26	0.553	75/-	99.54	24.54	-	1.32
TO ₁		7.87	09	11	26	0.630	80/-	113.40	33.40	36.1	1.41
TO ₂		9.75	09	11	27	0.780	90/-	142.20	52.20	112.7	1.58

OFT 9

1.	Title of On farm Trial	Assessment of Sweet corn hybrids in Mango farming System
2.	Problem diagnosed	Mono-cropping of tree species which remained vacant
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Different sweet corn varieties are planted in the interspaces of Mango plantation
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	ICAR-CAFRI, Jhansi, 2021
5.	Production system and thematic area	Agri-Horti Agroforestry system, Agroforestry management
6.	Performance of the Technology with performance indicators	Gives additional income to the farmers within 3 months besides mango fruits
7.	Final recommendation for micro level situation	Seed treatment should be done by farmers. Need base use of fungicide with mulching should be followed by the farmers for better result.
8.	Constraints identified and feedback for research	Whether cash crops are to be sown or planted in any agroforestry system
9.	Process of farmers participation and their reaction	At first, they were unwilling to do the task but later on they did to some extent

Thematic area: Agroforestry management

Problem definition: Un-utilization of interspaces in different mango plantations

Technology assessed: Sweetcorn seeds are sown at a spacing of 90x60 cm with proper seed treatment and land preparation. These seeds are sown in mango plantation leaving 2ft. from mango tree base.

Table: 1

Technology option	No. of trials	Yield component		Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of cobs/plant	Test wt. (100 grain wt.)						
CMVL SC 1	5	2.00	32.8		84.2	80,560	1,86,140	1,05,580	2.31

Results: sweetcorn is successfully intercropped in mango plantation gives an additional income of (84.2 q/ha) with net profit of Rs. 1,05,580/-

OFT-10

1.	Title of On farm Trial	Assessment of Spices in Teak based Agroforestry System
2.	Problem diagnosed	Most of the teak plantations are remain vacant and no intercropping is practised in this farming system
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed the spices like Ginger and Black turmeric which are intercropped in between teak plantation
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	ICFRE, Dehradun Report, 2020
5.	Production system and thematic area	Agri-silvi Agroforestry system, Agroforestry management
6.	Performance of the Technology with performance indicators	Gives additional income to the farmers within 3 months besides mango fruits
7.	Final recommendation for micro level situation	seed treatment should be done by farmers. Need base use of fungicide with mulching should be followed by the farmers for better result.
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: Agroforestry Management

Problem definition:

Technology assessed: Assessment of Spices in Teak based Agroforestry System

Technology option	No. of trials	Fresh rhizome weight/plant (g)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Ginger	10	270	94.5	2,36,470	5,23,050	2,86,580	2.21
Black turmeric	10	317	56.5	5,05,360	12,15,880	7,10,520	2.41

OFT-11

1.	Title of On farm Trial	Assessment of different anti-ectoparasitic formulation for control of Anchor worm & carp lice					
2.	Problem diagnosed	Less production					
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessment TO ₁ : Ivermectin 2% w/w@ 250g/ 1 ton feed TO ₂ : CIFRIARG (TANDAV)					
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	ICAR-CIFA (2018), BENFISH (2018), CIFRI, Barrackpore					
5.	Production system and thematic area	Culture based system and Fish Health Management					
6.	Performance of the Technology with performance indicators	Treatments	Control (%)	Reoccurrence	Yield (q/ha.)	Plankton (ml/100l)	
		FP	85	YES	24.53	2.3	
		TO ₁	65	YES	24.41	3.1	
		TO ₂	95	NIL	28.23	4.1	
7.	Final recommendation for micro level situation	-					
8.	Constraints identified and feedback for research	-					
9.	Process of farmers participation and their reaction	On farm Trial					

Thematic area: Health Management

Problem definition: Less production

Technology assessed: Refinement of management practices for control of Argulus in Fishes in carp polyculture

Table:

Technology option	No. of trials	Yield component			Argulus Population / Fish	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Fish Mortality (%)	Plankton (ml/100l)	Avg. Body wt. (gm)						
FP	10	8	4	650	7	20.69	155805	268225	115500	2.15
TO ₁	10	0	2	700	0	24.53	179105	297255	125300	2.35
TO ₂	10	0	2	730	0	28.23	191000	325200	135000	2.40

OFT -12

1.	Title of On farm Trial	Assessment on Natural Aqua Farming
2.	Problem/Thrust diagnosed	Availability of water resources for natural aqua farming
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessment TO ₁ : IMC with Puntius TO ₂ :IMC with Mola TO ₃ : IMC with Puntius + Mola
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	--
5.	Production system and thematic area	Natural Aqua
6.	Performance of the Technology with performance indicators	Result Awaited
7.	Final recommendation for micro level situation	Addition of natural formulated ingredients for enhancing natural plankton Addition of naturally available fishes
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	On farm Trial

Thematic area: Natural Aqua Framing

Problem/Thrust definition: Availability of water resources for natural aqua farming

Technology assessed: Assessment on Natural Aqua Farming

Table:

Technology option	No. of trials	Yield component	Maturity (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Result Awaited						
FP	10							
TO ₁								
TO ₂								
TO ₃								

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	Paddy	IPM	Nursery treatment with Chlorantraniliprole 0.4G @ 400 g/40m², Fixing of Pheromone traps 25 nos./ha at 15 to 20 DAT, Alternate spraying of Fipronil 5SC @ 1250 ml/ha and Cartap hydrochloride 50 SP @ 750 g/ha starting from 25 DAT	1	1					10	0	10	0	10		
2	Greengram	Information dissemination through print media	Demonstration of usefulness of Crop calendar for improving technical knowledge of farmers and application of technology	30	30	10	0	0	0	20	0	30	0	30		
3	Human Values	Management of human value	Demonstration on transfer of technology through harnessing human values in agriculture	30	30	8	0	6	0	11	5	25	5	30		

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 ₂ O ₅	K ₂ O					
paddy	Kharif	RF					green gram	02.07.2024 to 04.07.2024	13.11.2024 to 17.11.2024		

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**Oilseeds:****Frontline demonstrations on oilseed 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

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
Green gram	IDM	Demonstration on IDM (MYMV, Wilt & Powdery Mildew) strategies in Green gram	10	1	4.93	3.21	53.58	19645	36975	17330	1.88	15265	24075	8810	1.57
	Total		10	1	4.93	3.21	53.58	19645	36975	17330	1.88	15265	24075	8810	1.57

* 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
Pointed Gourd	Application of Plastics in Agriculture	Trellis System in pointed gourd using Fish Net as staking material	10	10 units	212.28	175.08	21.24	-	-	10,61,400	5,08,590	5,52,810	1.92	437200	165648	271552	1.62

Drumstick	Nutri-rich vegetables	Demonstration on backyard drumstick cultivation to address malnutrition (Spacing: 5 ft. x 7 ft.; plant height: 8-10 ft; Harvested at 6 months; Fruits are fleshy & tasty; Fruits & leaves are rich in vitamins & minerals) (Variety: OD C3) (Source- Indian Agri Farm, 2017)	10	10 units	i. Pods -85.3 kg./unit ii. Leaves-48.8 bunches	i. Pods-41 kg/unit ii. Leaves-27.4 bunches	108 % 78%			1350/-	3047/-	1697/-	2.25	1050/-	1504/-	454/-	1.43
Bitter gourd	IPM	Integrated management of fruit fly in bitter gourd	10	1	94.8	82.6	14.76	--	--	68820	170640	101820	2.47	64485	148680	84195	2.30

Brinjal	IPM	Demonstration on integrated management of sucking pest in Brinjal	10	1	240.6	217.4	10.67	--	--	95225	240600	145375	2.52	92480	217400	125900	2.37
Mango	IPM	Demonstration on management of fruit fly in mango	10	2		Crop is in the field											
	Total		50	4,20 unit													

Livestock

[illegible]

[illegible]

Duckery																	
Others (Japanese quail)	Diversification in poultry farming	Demonstration on performance small scale Japanese quail farming at homestead.	13	13	Avg. Body weight (4 weeks): 132 Avg. Body weight (6 weeks): 169 Avg. Body weight (10 weeks): 212	--	--	Avg. age of egg laying: 47 days Egg wt. (gm):11	--	1920	4300	2380	2.23	--	--	--	--
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	Them atic area	Name of the technology demonstrated	No. of Farm er	No. of uni ts	Major parameters		% change in major parame ter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demo ns ration	Che ck		Demo ns ration	Che ck	Gro ss Cost	Gros s Retu rn	Net Retu rn	** BC R	Gro ss Cost	Gros s Retu rn	Net Retu rn	** BC R
Common carps																	
Mussels																	
Freshwater Prawn		GI Scampi PL@10000/ Ha with Catla@3000 Nos, Rohu@2000 nos., Grass Carp@500no s.)	10	10	34g in 4mont h DOC	nil	-	-	-	Result Awaited							
Ornament al fishes																	
Others (pl. specify)																	
	Total		20	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

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters (Yield)		% 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
Paddy Straw mushroom																
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Value Addition	Sugarcane Jaggery	10	10	Golden Yellow	Black	-	-	-	780	570	670	1.73	900	390	510	1.10

38																
Value Addition	Demonstration on preparation of dried Oyster mushroom to address distress sale (Blanching; It was done in boiling water for 2-3 minutes. Immediately, the blanched mushrooms were cooled under running tap water for 10 minutes and dried under sun light at 38-40°C with	10	10	Shelf life-152 days	Shelf life-123 days	23.58	Colour-White; Flavour-Good; Taste-Palatable	Colour-Light brown; Flavour-Good; Taste-Palatable	72.00	81.60	9.60	1.13	70.00	75.80	5.80	1.08

Value Addition	Demonstration on preparation of Ragi malt powder (Soaking (4 hour), germination at room temperature in moist cloth, drying(50 degree Centigrade for 8 hours), roasting, milling). (Source: AICRP on Post Harvest Technology, OUAT, BBSR 2012)	10	10	Income-Rs.58/-per kg product	Income-Rs.17/-per kg product	241	Sensory Evaluation- Palatability: very nice to taste, Flavour: Appealing, Looks: Light grey	Sensory Evaluation- Palatability: Tasty to be cooked, Flavour: Mild, Looks: Dark grey	110/-	168/-	58/-	1.53	63/-	80/-	17/-	1.27
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	Demonstration on transfer of technology through harnessing human values in agriculture	30		Increased social recognition:1.2	Increased social recognition:0.79	34.1	Seek information from Designated Farmer:1.32	Seek information from fellow farmer:1.03	--	--	--	--	--	--	--	--
				Horizontal spread of tech:1.1	Horizontal spread of tech:0.81	26.3										
				Technology adoption by others:1.24	Technology adoption by others:0.92	25.8	Horizontal spread of tech. Through Designated Farmer:1.16	Horizontal spread of tech. Through fellow farmer:0.88								
				Knowledge sharing to fellow farmers:1.8	Knowledge sharing to fellow farmers:1.12	33.3	Income enhancement:1.02	Income enhancement:0.79								
							Interested to adopt the tech:1.24	Interested to adopt the tech:1.11								
	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

Impact Study: Adoption study of technology intervention and upscaling under ARYA

Thematic Area	Title of the study	No. of respondents	Parameters			
			Change in Technological dimensions	Change in Socio-physical dimensions	Change in Economic dimensions	Change in Marketing dimensions
Impact Study	Adoption study of technology intervention and upscaling under ARYA (Study is covered taking the beneficiaries of ARYA from the period 2016 -21 of backyard poultry rearing, mushroom production & fingerling production. Sample is collected through systematic random sampling.)	60	Knowledge gained after ARYA training:4.6 Skilfully managing the enterprise: 4.27 Risk bearing ability has increased: 4.13 Decision making ability has increased: 4.0 Adoption of recommended practices:4.4 Permanency in information flow: 4.33 Linkage developed with experts: 4.27 Better use of resources:3.87 Able to run the firm in case of any epidemic/ unpredictable situation:4.2	Purchasing power has increased: 3.8 Spending more on recreation:3.73 Social identity increased: 4.33 Business unit /scale has expanded: 4.13 Purchased new farm implements/ machinery/tool: 3.6 Afford to purchase any vehicle/household article: 3.4 Enable to educate children: 4.13	Firm is making reasonable profit: 4.27 Firm is expanded/upscale in due course of time: 3.6 Employment generation: 3.27 Financial position increased: 3.87 Dependability from other sources has minimized: 4.13 Self-dependent to meet own requirement: 4.07	Access to marketing network and information: 4.2 Access to financial institutions: 4.27 Timely disposal of produce: 4.33 Getting remunerative price of the produce: 3.93 Assured payment of the produce: 4.2 Timely payment of the produce:4.4

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)	Filed observation (Time Requirement(min/ha)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demons ration	Check		Demons ration	Check			Demons ration	Check		
Agri Spray Drone	Rice	Agriculture Drone Spraying height-3 meter above the crop	10	1.0	225	25	8	2	5	3		4500	3750	750	

* 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

[illegible]

[illegible]

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Paddy	Very good technology for control of stem borer and leaf folder and pheromone trap is working very well for trapping male moth of stem borer
2	Bitter gourd	Using trap for control of fruit fly is very good and increased the yield of bitter gourd
3	Brinjal	Application of neem oil controlled the initial pest attack and installation of pheromone trap controlled shoot and fruit borer to a great extent
4	Greengram	Application of Trichoderma controlled various diseases and installation of yellow sticky trap reduced the attack of sucking pest and thereby reduced YVM in greengram
5	Poultry	Aseel poultry breed is characterized by multi-coloured plumage, solid feather patterns normal feather distribution, compact upright bodies, stronger shanks, majestic gait and red coloured pea combs which can grow up to 1.480 kg in the 20 th week.
6	Oyster mushroom	Preparation of dried Oyster mushroom avoids distress sale, improves shelf life and increases market value. Blanching restores original colour and increases consumer preference & ultimately market value.
7	Ragi	When Ragi malt powder is prepared ready to be served with luke warm water, it becomes more palatable and more nutritious.

Extension and Training activities under FLD

Sl. No	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	03.08.2024; 12.09.2024; 02.11.2024; 17.12.2024 29.07.24, 22.08.24, 08.10.24, 18.01.25, 03.02.25, 25.03.25 05/07/2024, 25/07/2024, 22/10/2024, 04/02/2025	10	100	--
3.	Media coverage				--
4.	Training for extension functionaries	21.01.2025 & 22.01.2025 11-12/03/2025	01	20	--
5	Training for extension functionaries	13.03.25	1	20	--

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

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

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/household)
1.								

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
1.							

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
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F.

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.			
2.			
3.			
4.			
5.			
6.			
7.			

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)

[illegible]

[illegible]

[illegible]

[illegible]

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			
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	1	0	1	1	8	16	24	0	0	0	8	17	25
Total	1	0	1	1	8	16	24	0	0	0	8	17	25
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	4	48	51	99	1	0	1	0	0	0	49	51	100
Total													
XII. Others (Pl. Specify)	1	25	0	25	0	0	0	0	0	0	25	0	25
GRAND TOTAL	7	83	67	150	9	16	25	0	0	0	92	83	175

[illegible]

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			
Fish harvest and processing technology	1	02	15	20	3	0	05	0	0	0	05	15	20
Fry and fingerling rearing	1	16	0	20	2	0	2	4	0	4	20	0	20
Others (Nursery Management of Medicinal and Aromatic plants)													
IDM	1	19	0	19	1	0	1	0	0	0	20	0	20
Agroforestry managment	1	19	0	19	1	0	1	0	0	0	20	0	20
Total	12	130	97	237	11	3	16	5	2	5	143	97	240

C) Extension Personnel (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			
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing	01	0	15	15	0	05	05	0	0	0	0	20	20
Group Dynamics and farmers organization	02	20	20	40	0	0	0	0	0	0	20	20	40
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other(Scientific way od composite fish culture)	01	16	04	20	7	3	10	0	0	0	16	04	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
Total	4	36	39	75	7	8	15	0	0	0	36	44	80

D) Farmers and farm women (off campus)

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

F) Extension Personnel (Off Campus)

[illegible]

i. 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	1	8	1	9	0	0	0	7	9	16	15	10	25
Resource Conservation Technologies	1	7	9	16	6	6	12	0	0	0	13	15	28
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop	1	20	10	30	0	0	0	0	0	0	20	10	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			
Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others	1	9	16	25	1	2	3	0	0	0	10	18	28
Total	4	44	36	80	7	8	15	7	9	16	58	53	111
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards	1	5	2	7	3	0	3	9	6	15	17	8	25
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)	1	5	2	7	3	0	3	9	6	15	17	8	25
c) Ornamental Plants													
Nursery Management	1	13	7	20	4	0	4	1	0	1	18	7	25
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)	1	13	7	20	4	0	4	1	0	1	18	7	25

[illegible]

[illegible]

[illegible]

[illegible]

ii. RURAL YOUTH (On and Off Campus)

[illegible]

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
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													
Others(Entrepreneurship development, (Agroforestry Management))	01	20		32	5	0	5	0	0	0	20	21	41
IDM	1	19	0	19	1	0	1	0	0	0	20	0	20
Total	12	103	108	224	21	8	23	0	0	0	108	133	241

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													
Integrated Pest Management	1	17	2	19	0	0	0	1	0	1	18	2	20
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm	01	12	8	20	3	2	5	0	0	0	12	8	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
machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing	01	0	15	15	0	05	05	0	0	0	0	20	20
Group Dynamics and farmers organization	2	14	22	36	2	2	4	0	1	1	16	25	41
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other(Scientific way of composite fish culture)	01	16	04	20	7	3	10	0	0	0	16	04	20
Tree Management	1	13	7	20	0	0	00	0	0	0	13	7	20
Total	7	72	58	130	12	12	24	1	1	2	75	66	141

Please furnish the details of training programmes as Annexure in the proforma given below

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
Plant Protection	F/FW	Integrated management of stem borer and leaf folder in rice	1	Off	14	11	25	8	2	10
		Integrated management of fruit fly in vegetables	1	Off	12	13	25	0	0	25
		Integrated Management of wilt disease in solanaceous crops	1	Off	25	0	25	0	0	0

		Integrated disease management in sugarcane	1	Off	25	0	25	0	0	0
		Integrated management of Fall Army Worm in sweet corn	1	Off	25	0	25	0	0	0
		Integrated disease management of greengram	1	Off	24	1	25	0	0	0
		Integrated pest management of BPH in rice	1	Off	16	9	25	0	0	0
		Integrated management of sucking pest in vegetables	1	Off	8	17	25	6	15	21
		Management of Viral disease in vegetable crops	2	Off	20	0	20	1	0	1
Ag.Engg	RY	IPDM in protected cultivation	2	On	20	0	20	0	0	0
		Non chemical method of pest management in vegetable and pulse crop	2	On	18	2	20	1	0	1
	F/FW	Different staking methods for pointed gourd cultivation	1	Off	18	7	25	6	2	8
		Use of Agricultural Drone sprayer for control of stem borer in paddy	1	Off	12	13	25	4	3	7
		Use of plastics in farming practices	1	Off	14	11	25	3	2	5

		Use of small tools and implements for vegetable crops	1	Off	12	13	25	2	1	3
		Packaging methods for kanteimundi brinjal	1	Off	16	9	25	1	1	2
		Preparation of quality sugarcane Jaggery.	1	Off	17	8	25	0	1	1
		Use of Tractor Operated Seed drill for sowing of greengram	1	Off	11	14	24	2	1	3
		Mechanized threshing of pulses	1	Off	5	15	20	3	2	5
	RY	Hi-Tech horticulture	2	On	13	7	20	6	3	9
		Small scale processing and value addition of Sugarcane	2	On	12	8	20	3	2	5
	IS	Care and maintenance of farm machinery and implements	2	Off	13	7	20	3	2	5
Agril Extn	F/FW	Importance of seed treatment for enhancing pulse productivity	01	Off	10	18	28	3	0	3
		Management of weed infestation in kharif pulses.	01	Off	15	10	25	7	9	16
		Application of mobile based agriculture app for technology dissemination and adoption	01	Off	15	10	25	18	0	18
		Production of high value crops in underutilized wasteland	01	Off	5	21	26	21	0	21
		Importance of micronutrients in oilseed crops	01	Off	15	10	25	6	0	6
		Moisture conservation practices for sustainable agriculture.	01	Off	13	15	28	12	0	12
		Suitable high	01	Off	20	10	30	0	0	0

		yielding Greengram varieties in rice-fallow cropping system.								
		Post-harvest practices to manage storage grain pest in pulses	01	Off	9	17	26	6	10	16
	RY	Entrepreneurship development in agriculture & allied sector	02	On	15	6	21	5	0	5
	IS	Role and responsibilities of grass root workers in technology transfer.	01	Off	0	21	21	0	3	3
		Resource mobilization and development of business plan for smooth management of FPOs	02	On	16	4	20	2	0	2
Home Sc	F/FW	Scientific techniques on cultivation of Paddy straw mushroom using crumpled straw.	01	Off	0	25	25	0	01	01
		Household food security by kitchen gardening and nutrition gardening	01	Off	0	25	25	0	19	19
		Scientific technique of backyard drumstick cultivation to address malnutrition.	01	Off	0	25	25	0	10	10
		Techniques of humidity management in paddy straw mushroom production	01	Off	0	25	25	0	0	0
		Scientific methods of vermicomposting from spent mushroom	01	Off	0	25	25	0	16	16

		substrate								
		Rearing of poultry bird in backyard	01	Off	0	25	25	0	25	25
		Preparation of Ragi Malt powder	01	Off	0	25	25	0	25	25
		Scientific process of preparation of dried Oyster mushroom	01	Off	0	25	25	0	06	06
	RY	Value addition of fruits & vegetables	02	On	0	20	20	0	0	0
		Value addition of mushroom	02	On	0	20	20	0	09	09
	IS	Low cost and nutrient efficient diet designing (Enhancement of Ragi to combat malnutrition)	02	On	0	20	20	0	05	05
Forestry	F/FW	Preparation and management of Horti-silvi Agroforestry model	1	Off	8	17	25	0	0	0
		Silvicultural operations in fruit-based Agroforestry model	1	Off	7	18	25	0	0	0
		Vermicomposting and its preparation	1	Off	10	15	25	0	0	0
		Management of aromatic plants in the nursery	1	On	18	7	25	5	0	5
		Collection and processing of forest leaves for income generation	1	Off	8	17	25	8	16	24
		Propagation techniques of important forest trees	1	Off	25	0	25	0	0	0
		Adaptability of different medicinal herbs in forest plantation	1	Off	18	7	25	1	0	1
		Agroforestry practices for soil	1	Off	16	9	25	0	0	0

		conservation								
	R/Y	Management of cultivation practices of different agroforestry models	2	On	7	13	20	0	1	1
		Identification of different aromatic plants and their management	2	On	13	7	20	4	0	4
	IS	Tree management in agroforestry system	1	Off	13	7	20	0	0	0
Fishery Sc	F/FW	Different anti-ectoparasitic formulations for control of Anchor worm & carp lice	1	Off	01	2	25	0	25	0
		Suitable combination for natural fish farming	1	Off	01	1	24	1	25	0
		Fish diseases and its management	1	Off	01	7	22	3	25	22
		Genetically Improved (GI) catla in composite carp culture	1	Off	01	5	11	14	25	16
		Polyculture of CIFA-GI Scampi/ Freshwater Prawn with Carps	1	Off	13	07	20	5	4	9
	R/Y	Integrated fish farming	2	On	13	07	20	8	2	10
	IS	Scientific ways of Composite fish culture	1	On	16	04	20	7	3	10

H) Vocational training programmes for Rural Youth

a) Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration	No. of Participants	Self employed after training	Number of persons employed elsewhere
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			(days)	Male	Female	Total	Type of units	Number of units	Number of persons employed	
Enterprise	Bee keeping	Scientific bee keeping	5	19	1	20	Honey bee box with colony	55	4	0
Enterprise	Income generation through landless based enterprises	Small scale poultry rearing unit for income generation	05	20	0	20	Small scale	01	05	--
Mushroom	Income Generation	Scientific method of mushroom spawn production	05	0	20	20	Mushroom spawn production unit	01	01	08
Bamboo		Identification, propagation and management of bamboo species for income generation	5	15	5	20	Small scale	01	02	--
Seedling production	protected cultivation	Production of off-season vegetable seedling in protected cultivation	5	20	0	20	Seedling production	01	02	--

Fish Seed production	Fish Seed production	Fish seed production	5	20	0	20	Fish seed production	01	02	--
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*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	05	15	5	20	0	0	0	0	0	0	15	5	20
Integrated crop management													
Organic farming													
Other(Apiculture)	05	15	05	20	0	0	0	0	0	0	15	5	20
Total	10	30	10	40	0	0	0	0	0	0	30	10	40
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	05	19	0	19	0	0	0	1	0	1	20	0	20
Other(Fish seed production)	05	02	16	18	0	02	02	0	0	0	02	18	20

Total	11	21	16	37	0	2	2	0	1	1	22	18	40
Income generation activities													
Vermicomposting													
Production of bioagents, biopesticides, biofertilizers etc.													
Repair and maintenance of farm machinery & implements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom Spawn	01	0	20	20	0	0	0	0	0	0	0	20	20
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para-vet training													
Other													
Total	05	02	16	18	0	02	02	0	0	0	02	18	20
Agricultural Extension													
Capacity building and group dynamics													
Other													
Total													
Grand Total	25	40	55	95	0	4	4	0	1	1	40	60	100

a) Details of Sponsored Training Programme

b) Details of participation

[illegible]

reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other	2	60	40	100	0	0	0	0	0	0	0	0	100
Total													
Grant Total	2	60	40	100	0	0	0	0	0	0	0	0	100

Good quality photographs of training activity:

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

Nature of Extension Activity	N o. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	5	75	25	100	10	3	4	7	78	29	336
Kisan Mela	5	575	425	1000	20	5	3	8	578	428	3047
Kisan Ghosthi	0	0	0	0	-	0	0	0	0	0	0
Exhibition	6	78	105	183	12	87	33	120	165	138	303
Film Show	0	0	0	0	0	0	0	0	0	0	0
Method Demonstrations	10	210	10	220	10	10	12	22	210	45	255
Farmers Seminar	4	524	178	702	25	12	10	22	536	188	724
Workshop	2	73	27	100	10	10	0	0	110	0	110
Group meetings	5	75	25	100	10	17	8	25	92	33	125
Lectures delivered as resource persons	55	208	220	428	15	30	22	55	238	242	480
Advisory Services	50	2000	1250	3250	45	102	58	160	2102	1308	3410

[illegible]

Pledge on Vigilance Awareness Week involving FPO shareholders, Line department officials and KVK staff • Celebration of Women in Agriculture Day • Vanamahotshav Week Celebration • Poshana Abhiyan • World Soil Day • Jal Shakti Abhiyan • PM Kisan Sammelan(4 nos) • National Fish Farmers Day • World Fishery Day • Ek Ped Maa ke Naam • Parthenium Awareness • ICAR Foundation Day											
• PM KISAN Mela	4	157 2	1 2 5 0	28 22	30	85	55	140	1657	1305	2962
• Swatchta Hi Sewa	5	62	3 2	94	21	12	8	20	74	40	114
• Mahila Kisan Divas	1										
• Any Other (Specify) • (i) Awareness programme on Nutritional Gardening	0 1	0	4 0	40	7.5	0	1	1	0	41	41

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	10
Radio talks	04
TV talks	00
Popular articles	00
Extension Literature	04
Other, if any	02

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	Hasant	48		2	1	0	0	15	2	17	3
Ragi	Arjun	1.4		25	5	25	5	40	0	90	10
Grand Total		49.4		27	6	25	5	55	2	107	13

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											
Cauliflower	Dhawal	2110	5275	39	48	117	204	39	48	117	204
Cabbage	Green cabbage	2500	6225	12	18	105	135	12	18	105	135
Tomato	Arka Rashkhyak	3200	8000	25	28	136	189	25	28	136	189
Brinjal	Swarna shyamali	2800	7000	4	7	13	24	4	7	13	24
Chilli	VNR 108	1900	4750	19	25	119	163	19	25	119	163
Others	Ceracole	800	2000	17	25	55	97	17	25	55	97
Fruits											
Mango		240	--								
Guava		--									
Lime		--									
Papaya	Red lady	800	20000	12	18	105	135	12	18	105	135
Banana											
Others	ODC 3	700	10500	25	28	136	189	25	28	136	189
Ornamental plants											
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Pointed Gourd	Swarna aulokik	10750	50,000	40	48	117	204	39	48	119	207
Spine Gourd	Arka Neelachala shanti	8200	40,000	25	28	136	189	25	28	136	189
Total		116700	153750	218	273	1039	1529	217	273	1041	1532

Good quality photographs of planting materials:

Production of Bio-Products

Name of product	Quantity	Value (Rs.)	No. of Farmers benefitted							
	Kg		SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers	400	8000	17	25	55	97	17	25	55	97
Bio-pesticide										
Bio-fungicide										
Bio-agents	5	2500	10	2	1	3	12	7	23	12
Others, please specify										
Total	405	10500	27	27	56	100	29	32	78	109

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											
Duals (broiler and layer)	Banaraja	385	26950	6	3	0	3	10	0	16	6
	Aseel	1141	79870	10	2	4	3	8	0	22	5
	Palishree	533	37310	2	3	3	0	5	0	10	3
	Kadaknath	180	18000	0	0	0	0	9	0	9	6
	Kaveri	460	32200	5	2	2	2	6	0	13	3
	Rainbow Rooster	790	55300	6	8	3	0	4	0	13	8
Others (Pl. specify)											
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings	Amur carp, Grass carp, Jayanti Rohu	35000	70000	25	-	50	-	100	15	175	15
Spawn											
Others (Pl. specify)											
Grand Total		38489	319630	54	18	62	8	142	15	258	46

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: NA

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				
2024-25				

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				
Seminar/conference/symposia papers	Study on Production	Madhumita Jena, Gitanjali	1	--

	Performances of Climate Resilient Smart Pulses in East & South Eastern Coastal Plain zone of Odisha	Subudhi, Pramod Kumar Prusti and Gyana Ranjan Sahoo		
	Bio-intensive pest management in controlling brinjal shoot and fruit borer <i>Leucinodes orbonalis</i> Guenee (Lepidoptera: Crambidae)	Pramod Kumar Prusti, Madhumita Jena, Gyanaranjan Sahoo, Gitanjali Subudhi	1	--
	Efficacy of mechanized direct seeded rice to improve crop resilience	Suchismita Dwivedy, Prasannajit Mishra, Anil Kumar Swain, Debahsis Nayak	1	--
	Effect of stocking density in polyculture of freshwater prawn with grass carp	Anil Kumar Swain, Suchismita Dwivedy, Bipin Pradhan, Anshuman Samantaray	1	--
Booklets	Compendium on Harvest and Post Harvest Machine Assistant Technician	Anil Kumar Swain, Suchismita Dwivedy & Ansuman Samantaray	30	30
Bulletins				
News letter	Sabuja Swarna : Quarterly Newsletter	Scientific/ Technical team of KVK, Nayagarh	Edition:1 & 2	Farm households District departments
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature				
Technical reports				
Electronic Publication (CD/DVD etc.)	Short Technology Video	KVK, Nayagarh	05 no.	Farm households District departments
	Fish fingerlings production, backyard poultry	Dr. A.K Swain Mrs. G. Subudhi Dr. (Ms.) M.Jena		

	rearing, mushroom production	Er. (Mrs.) S. Dwivedy		
Technical reports	Annual progress Report & Annual Action Plan	All staff	5	5

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.	Annual Zonal Workshop	Annual Zonal Workshop 2024	Dr Anil Kumar Swain	27-29.08.2024	KVK, Puri
2.	International Conference	International Conference on "Building Small Holder Climate Resilience for Achieving Sustainable Food System	Dr Anil Kumar Swain	17-19-09.2024	OUAT, Bhubaneswar
3.	National Workshop	National Workshop of ARYA	Dr Anil Kumar Swain	22-23.01.2025	BAMETI, Patna, Bihar
4.	Zonal Workshop	Zonal Workshop of ARYA	Dr Anil Kumar Swain	20.03.2025	RAKVK, Nimpith
5	Refresher training	Recent advances in implementable pest management technologies	Pramod Kumar Prusti	11-12.02.2025	OUAT, Bhubaneswar
6	Refresher training	Advance Pest Management	Pramod Kumar Prusti	06-07.03.2025	OUAT, Bhubaneswar
7	Seminar	Seminar on Natural & Organic Farming	Dr. (Mrs.) Gitanjali Subudhi	23.10.2024	CDAO Office, Nayagarh
8	Workshop	District Level Launching Workshop for FPOs (Under the project 'Center of Excellence for FPOs at DEE, OUAT')	Dr. (Mrs.) Gitanjali Subudhi	30.10.2024	KVK Nayagarh
9	State Level Conference	13th Annual State Level Conference on Odisha Mushroom Growers'	Dr. (Mrs.) Gitanjali Subudhi	18.12.2024	Bhanjakalamandap, Bhubaneswar

		Federation'			
10	Refresher training	Refresher training on 'New Cutting-Edge Technology in Mushroom Sector' for Scientists & Technical staff of KVKs of Odisha	Dr. (Mrs.) Gitanjali Subudhi	24-25.02 2025	CTMRT, OUAT, BBSR
11	Refresher training	Refresher training on 'Appropriate Technologies on farm mechanization & post-harvest processing for sustainable development' for Dr.(Mrs.) Gitanjali Subudhi Scientist s/SMS (Agril. Engg. & Home Sc.) Discipline of KVK, OUAT	Dr. (Mrs.) Gitanjali Subudhi	03-04.03.2025	CAET, OUAT, BBSR
	Workshop	Workshop-cum-awareness programme on PPVFRA, 2001'	Dr. (Mrs.) Gitanjali Subudhi	25.03.2025	KVK, Khordha
	Refresher training	Livestock Husbandry: A promising avenue for livelihood enhancement	Dr. Madhumita Jena	6 - 8 .11.2024	C.VS & AH, OUAT, Bhubanes war
	Refresher training	Effective writing of extension literature & Managing extension activities.	Dr. Madhumita Jena	26.03.2025	DEE, OUAT, BBSR
	International Conference	International Conference on "Building Small Holder Climate Resilience for Achieving Sustainable Food System	Dr Gyana Ranjan Sahoo	17.19.09.20 24	OUAT, Bhubaneswar

	Workshop	Consultation workshop on preparation of district Drought management plan	Dr Gyana Ranjan Sahoo	04.01.2025	Collectorate conference hall, Nayagarh
	Workshop	Workshop on Agroforestry for carbon markets: Unlocking economic value through ecosystem services	Dr Gyana Ranjan Sahoo	27-28.02.2025	OUAT, Bhubaneswar
	National seminar	National seminar on Resource management for climate resilient sustainable food production system	Dr Gyana Ranjan Sahoo	6-7.03.2025	OUAT, Bhubaneswar
	Refresher training	ToT on Mechanized DSR and associated technology	Er. Suchismita Dwivedy	22-24.07.2024	New Marion, Bhubaneswar
	International Conference	International Conference on "Building Small Holder Climate Resilience for Achieving Sustainable Food System	Er. Suchismita Dwivedy	17-19-09.2024	OUAT, Bhubaneswar
	Refresher training	Training cum Workshop on Drone Technology	Er. Suchismita Dwivedy	02-03.12.2024	IIWM, Bhubaneswar
	Refresher training	Refresher training on 'Appropriate Technologies on farm mechanization & post-harvest processing for sustainable development' for Dr.(Mrs.) Gitanjali Subudhi Scientist s/SMS (Agril. Engg. & Home	Er. Suchismita Dwivedy	03-04.03.2025	CAET, OUAT, BBSR

		Sc.) Discipline of KVK, OUAT			
--	--	---------------------------------	--	--	--

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

Name of farmer	Miss Sunita Dasgupta 
Address	Village: Daspalla, Block: Daspalla, Dist.: Nayagarh.
Contact details (Phone, mobile, email Id)	Mobile No.7978597972
Landholding (in ha.)	0.04 acre
Name and description of the farm/ enterprise	Value Added Products of her WSHG Members: A) Value added products from ragi: Ragi powder, Ragi chhatua, Ragi malt powder, Ragi mudki, Ragi ladu, Ragi cake, Ragi biscuits, Ragi seu, Ragi mixture B) Value added products from Fruits & vegetables: Bel squash, Lemon squash, Orange squash, Mango RTS, Jack fruit RTS, Tomato chutney, Tomato sauce, Chilli sauce C) Value added products from Dal: Local moong dal, Local blackgram dal.
Technological Intervention and KVK Support	1.Training on value addition of fruits, vegetables, mushroom, pulses and ragi. 2.FLD on preparation of ragi malt powder. 3. Awareness programme on Nutritional Gardening.
Economic impact	She earned around Rs.25000/- per month from her leadership in 1) Samaleswari WSHG, Nuagaon, 3) Parbati WSHG Nuagaon, 3) Purostama WSHS, Sikrida, 4) Shibani WSHG, Sikrida for actively involvement in the value addition activities
Social impact	She is the i.Project Coordinator of HAMS(Harijan Adibasi Mangal Samittee), NGO, Nayagarh; ii.leadership in 1) Samaleswari WSHG, Nuagaon, 3) Parbati WSHG Nuagaon, 3) Purostama WSHS, Sikrida, 4) Shibani WSHG, Sikrida.
Environmental impact	Being the leader of four WSHSs namely- 1) Samaleswari WSHG, Nuagaon, 3) Parbati WSHG Nuagaon, 3) Purostama WSHS, Sikrida, 4) Shibani WSHG, Sikrida, she involved the members in value addition activities and their marketing.

		Miss Sunita is now leading the activities of Millet Mission of Nuagaon block which includes land selection, seed distribution, transplanting, harvesting, procurement with marketing, etc. Also, organizing the training, demonstration and awareness programmes of the Mission.
Horizontal/ spread	Vertical	Marketing: The products are being marketed at the NGO, office, Nuagaon as well as in different Pallishree melas of the district. Observing the prosperity of Sunita, other WSHGS are interested in value addition and marketing of different locality available fruits, vegetables, cereals and pulses.



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
1	Paddy	Use of rotten snail for	Less costly eco-friendly

		Gandhi hog	
2	Paddy	Alley cropping for BPH management	Low cost technology
3	Greengram	Use of colourful pots for Pest management	Low cost technology

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)
1	Vegetable crop	6	130q	6	Y

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
1	Focused group discussion	To find out location specific problems/ emerging issues encountered by the farmers.
2	Checklist	To find out the present condition/ status of the villages in terms of agricultural development
3	Participatory rural appraisal (PRA)	A series of mapping and methods to draw a clearcut picture of Resource inventory and possible interventions for holistic development.
4	Problem Tree & Root cause Analysis	A participatory tool of mapping out main problems, along with their causes and effects and strategies to identify achievable goals.

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

Sl. No	Name of the Equipment	Qty.
1	Mridaparikshak (Soil testing kit)	3
2	Flame photometer	1
3	Visible Spectrophotometer	1
4	Double distillation unit with distillation apparatus	1
5	Rotary Shaker	1
6	N-analyzer	1
7	Soil moisture meter	1
8	PH, EC, TDS combined meter	1
9	Magnetic stirrer with hot plate	1
10	Precision analytical balance	1
11	Electronic micro-processor with scrubber	1
12	Hydrometer Boycos (Hot plate rectangular)	1
13	Soil sample collection Agar	1
14	Digital Balance	1

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			
	50	50	85	18	-

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
1.	World Soil Day	50	-	-	10	10

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
Jala Shakti Abhiyan	3	2000	90	Forest Dept.officials

3.13. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Farmers-scientists interaction	2	200	Crop Related
Exhibition	1	100	Crop and Allied sector
Distribution of Literature (No.)	1	100	Vegetable Nursery
Distribution of Planting materials (No.)	2	565	Papaya, chilly, tomato, cabbage, Drumstick
Bio Product distribution (Kg)	1	45	Vermicompost
Parthenium Awareness week	1	30	Parthenium grass

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

No of student trained	No of days stayed
20 no	No

ARS trainees trained	No of days stayed
----------------------	-------------------

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

Date	Name of the person	Purpose of visit
18.06.2024	Prof. Pravat Kumar Roul, Hon'ble VC, OUAT	Celebration of PM Kisan Samman Nidhi
	Prof Prasannajit Mishra, Dean, DEE	
	Sj Rabinarayan Nayak, Hon'ble Minister, GoI	
	Mrs Surama Padhi, Hon'ble MLA, Ranapur	
	Mr Dushmant Swain, Hon'ble MLA, Khandapada	
	Mr Sunil Akhsya Agarwal, Collector & DM, Nayagarh	
24.02.2025	Mr Dushmant Swain, Hon'ble MLA, Khandapada	Celebration of PM Kisan Sammelan
	Mr Sunil Akhsya Agarwal, Collector & DM, Nayagarh	
05.10.2024	Sj. Sukant Kumar Panigrahi, Hon'ble MP, Kandhamala	Celebration of PM Kisan web telecast program
	Mr Dushmant Swain, Hon'ble MLA, Khandapada	
	Mr Sunil Akhsya Agarwal, Collector & DM, Nayagarh	
22.10.2024	Mr Ashok Das, SANKALPA TV	Visit to KVK
22.10.2024	Dr Binay	Visit to KVK
11.11.2024	Dr (Mrs) Sarbani Das, DDE, DEE, OUAT	SAC meeting
09.07.2024	Mr Bipin Pradhan, DDE, DEE, OUAT	Review & Monitoring KVK activities
10.10.2024	Dr Sushant Swain	Review & Monitoring KVK activities

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)
Installation of Pheromone trap for mass trapping of male pod borer (<i>Helicoverpa armigera</i>) infestation in	23	33	19500	25750

chickpea				
Installation of Sprinkler on pond dyke for off season fish seed production and vegetable production as well.	20	12%	92563	128500
Fish Fingerlings Production	20	38%	102600	586721
Backyard poultry rearing	20	25%	25000	225000
Mushroom Production	20	48%	12000	480000

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
Installation of yellow sticky trap for management of whitefly in Greengram.	625 ha
Semi-scavenging dual purpose backyard poultry birds	300 households
Bacterial wilt resistant brinjal variety Swarna shyamali	42%
Triple resistant Tomato variety Arka rshakhyak	43%

Give information in the same format as given below

Name of farmer	Batakrushna Swain
Address	At- Bausnagada, Bl- Ranapur, Dist-Nayagarh
Contact details (Phone, mobile, email Id)	9178742013
Landholding (in ha.)	5
Name and description of the farm/ enterprise	Nursery raising with Fish farming, Poultry, Quail, Vegetable farming
Economic impact	His cost of production for 1 lakh seedlings in conventional nursery was Rs. 55,000/- whereas in tray seedling production it is Rs. 33,000/-. The net profit in raising the tray seedlings is Rs. 22,000/- per 1 lakh seedlings apart from considerable saving in irrigation water.
Social impact	Mr. Swain becomes a successful entrepreneur and recognizes as the role model for other youth in the district
Environmental impact	Farm waste is utilized for preparation of organic manures
Horizontal/ Vertical spread	Nursesey raising enterprise is preferred by all the segment of the society due to profitability and higher demand.



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
1.	Installation of sprinkler on the farm pond dyke	Off season fish seed production	Productivity increased by 12.3%
2	Demonstration on preparation of sugarcane jaggery	Good quality jaggery production	Good market Value
3	Demonstration of drumstick for nutritional security of farm family	Good income generating activity for rural farm women	Good market value
4	Demonstration on poultry bird Aseel in backyard rearing	The new breed seeks attention of farmers due to fast body growth, low cholesterol content, high iron content and good market value.	Body weight in 6 month is 1.55kg
5	Demonstration on Polyculture of Prawn with carp	Good income generating activity for fish farmers	Good market value

4.4. Details of innovations recorded by the KVK

Thematic area	Farm Mechanization
Name of the Innovation	Transplanter driven trolley
Details of Innovator	The innovator is basically a progressive innovative farmer of the district. He owns about 7 ha of cultivatable land. He is an advance farmer cultivating rice in 5 ha of land.
Back ground of innovation	He got the technical support from KVK scientist as well as the line department to develop the machine .
Technology details	Basically the trolley attached to the rice transplanter with detaching the plates of transplanter.
Practical utility of innovation	Use of transplanter in the off season by carrying farm inputs to the farm for doing other different farming activities,

Thematic area	Farm Mechanization
Name of the Innovation	Rotary Tiller
Details of Innovator	The innovator is basically a progressive farmer of the district. He owns about 2 ha of cultivatable land. He cultivates paddy, pulses, maize, groundnut and vegetables.
Back ground of innovation	He got the technical support from KVK scientist as well as the line department to modify the rotary tiller.
Technology details	The implement is run by a 2hp motor using kerosene to start the motor. The implement is attached with the motor by belt and pulley system to get the power to run. The machine is used for intercropping operation having 2-3ft spacing. It can be used for Vegetable crops like brinjal, tomato, lady's finger etc. It can only suitable for soft soil condition. The width of the implement is 2 ft.
Practical utility of innovation	1 acre of land can be covered in 1 hr by using the machine. It reduces time as well as labour requirement. The machine can be also used to pulverize the soil for groundnut,maize crop cultivation.

4.5. Details of entrepreneurship development

Name of farmer	Sri Malaya Kumar Sahoo
Age	34
Aadhaar No	-
Address	At- Solapata, Block-Odogaon, Dist-Nayagarh
Contact details (Phone, mobile, email)	9337159571
Landholding (in ha.)	3 acre
Education	+2
Family member	2nos
House hold income (before ARYA)	Rs. 1.0lakhs /annum
Training received from KVK	Yes
ARYA interventions taken	Training, Exposure visit, Start-Up Incentive
Present Production	1,00,000 no of fish fingerling/ annum from 1.0 acre pond
Marketing linkage developed	Local market selling
Labour involved	Family Member-3 Nos., Labour-2 Nos.
Cost of cultivation	Rs. 1,29,560/unit
Average net income after intervention per month	Rs. 2,44,440/year
Social and Environmental impact	Now he is maintaining a good social life and he has excavated another 7 ha of pond for fish and fingerlings production.
Horizontal/Vertical spread	33%
Name of farmer	Suraja Parida
Age	35
Aadhaar No	705260048518
Address	At-Maskabari, Block-Nuagaon, Dist-Nayagarh
Contact details (Phone, mobile, email)	8658046249
Landholding (in ha.)	5.0ha
Education	Graduation

Family member	4nos
House hold income (before ARYA)	Rs.1.5akhs /annum
Training received from KVK	Yes
ARYA interventions taken	Training, Exposure visit
Present Production	98,000 no of stunted fingerling production/ annum from 1.0-acre pond
Marketing linkage developed	Local market selling
Labour involved	1 no
Cost of cultivation	Rs.98,585/-
Average net income after intervention per month	Rs.1,25,412/-
Social and Environmental impact	He has developed an IFS unit and owned a poultry unit containing around 500 no. of Vanaraja birds.
Horizontal/Vertical spread	23%

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
ICAR-CIFA, BBSR	Exposure visit for Fish production
ICAR-NRRI, Cuttack	Procurement of agro-ecosystem based paddy varieties for popularization
CTMRT-OUAT, BBSR	Exposure visit Mushroom production
ICAR-CARI	Procurement of day poultry chicks
CPDO, GoI	Procurement of day poultry chicks
IPDP, GoO	Procurement of day poultry chicks
CIMMYT	Popularization of climate resilient maize hybrids
IRRI, BBSR	Demonstration of stress tolerant paddy varieties
Odisha Livelihood Mission	FPO Group Formation, Technical support
NFDB, BBSR	Exposure visit, Fish seed
Dept. of Veterinary and Animal Husbandry, GoO	Joint verification of newly established poultry units
Dept. of Horticulture, GoO	Resource person on Mushroom & vegetable cultivation & value addition in different blocks of Nayagarh district Joint physical verification of banana sucker and lemon seedling
Dept. of Fisheries, GoO	Joint field visit for Fish production, Establishment of hatching unit Resource Person for HRD training
Mission Shakti	Training Programme
ATMA, Nayagarh	BGREI Monitoring and Field visit
Dept. of Agriculture, Nayagarh	Creating awareness for BPH control, collaborative celebration of special days, Resource Person for HRD training
Watershed & Soil Conservation	Participated in Exhibition organized by the Watershed Dept.
District Administration, Nayagarh	For taking up initiative measures to control pest & disease incidence

Odisha State Seed Corporation, Nayagarh	Production of foundation & certified seed under instructional farm
All India Radio, Cuttack	Radio talks, Participation in Farm & Home programme
Doordarshan, BBSR	TV talk, SAC meeting
NABARD, Nayagarh	Field visit under different funded project
NGOs	Promotion of organic farming, Exposure visit

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.)
District level Fram Mechanization & Pallishree Fair	Method Demonstration of various Fram Implements during the fair	24-28.12.2024	Deptt. of Agriculture, Goo	--
OUAT Farmers Fair	Exhibition and Demonstration	18-19.02.2025	OUAT	--
Awareness cum Exhibition under SCSP	Demonstration of various agricultural implements		OUAT	--
Workshop on Agri clinic & Agri business center	To create awareness about the importance of FPO in marketing of farm produce.		NABARD	--

1. 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.m t)	Details of production			Amount (Rs.)		Remarks
				Variety/ breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Poly house	2010-11	120	VNR B5, Dhawal, ceracola, Arka rashkhy	Brinjal tomato cauliflower, Marigold, ChilliBr	100000	62510	178770	

				ak, Arka Samrat, VNR 405, Kailash	ocoli, papaya, drumsti ck				
2	Vermic ompost	2010 -11	1 un it		Vermic ompost	10.55 q	78 20	9460	
3	Mushro om spawn producti on	2010 -11	50	OSM- 11	PSM and Oyester Spawn	3000	38 26 0	67626	
5	Fish Pond	2016 -17	1 ac re	Amur, Jva punti, Rohu,M rigal	Fish fingerli ngs	5000 0	20 00 0	50000	
	IFS	2021 -22	40 00	Pond based					
6	Shed net house	2022 -23	14 0	Kantei mundi, Swarna Aulokik , Shanti	QPM producti on	1000 00			
7	Spinego urd/ Pointed gourd	2022 -23	20 00	Swarna Aulokik , Shanti	QPM producti on	1000 00			
	Dragon unit	2022 -23	20 00	-		1000 00			
	Aqua Tech park	2022 -23	1u nit	Orname ntal fish	Orname ntal fish	3000	29 45	16839 4	
8	Poultry unit	2019 -20	1u ni	Kadakh ath, RIR, Aseel, Banaral a, Whitele g horn	Poultry chicks				
	Total							474250	

6.2. Performance of Instructional Farm (Crops)

Name Of the	Date of sowing	Date of harvest	Ar ea (ha)	Details of production	Amount (Rs.)	Remarks
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crop									
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Rice	18.07.2024	24.12.2024	1.0	Hasant	FS	48.0	22,000	1,10,000	Sample not drawn
Finger Millet	24.01.2024	19.04.2024	1.0	Arjun	TL	1.4	2630	9800	Seed sold

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.	Vermocompost	4000	5000	38500	

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.	Poultry birds	Banaraja	21 days old chicks	930	15000	26634	Sold to farmers
		White leg horn		40			
		Kadakhnath,		40			
		Rainbow Rooster		527			
		Aseel		360			
		RIR		35			
2	Farm Pond	Amur, Jva punti, Rohu, Mrigal	Fish Fingerlings	35000	21000	65000	

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
December 2023	120	30	
Total :	120	30	

(For whole of the year)

6.6. Utilization of staff quarters:NA

Whether staff quarters has been completed:

No. of staff quarters:

Date of completion:

Occupancy details:

Months	Q I	Q II	Q III	Q IV	Q V	Q VI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current and Saving account	SBI, Main branch, Nayagarh	Nayagarh	11383056681:-Contingency 36473719407:- ARYA 33991533548:- Revolving Fund 42231454711-Natural Farming 42791467787-ASCI 42261059170-CFLD(P) 41564250363-CFLD(O)

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

Item	Released by ICAR		Expenditure		Unspent balance as on -31.03.2025
	Kharif	Rabi	Kharif	Rabi	
Mustard	2.7		0		2.7

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 2025
	Kharif	Rabi	Kharif	Rabi	

2019.5. Utilization of KVK funds during the year 2024-25 (Not audited)

Sl. No	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	141.80	139.80	-
2	Traveling allowances	1.5	1.5	1.5
3	Contingencies			

A	OE&POL	3.00	3.00	3.00
B	Training	2.25	2.25	2.25
C	FLD	1.13	1.13	1.13
D	OFT	1.12	1.12	1.12
E	SCSP	10.00	9.81	9.81
F	HRD	0.03	0.03	0.03
G	Swachhta Expenditure	0.32	0.32	0.32
TOTAL (A)		161.15	158.96	19.16
B. Non-Recurring Contingencies				
1	Library	0.10	0.10	0.10
TOTAL (B)		0.10	0.10	0.10
C. REVOLVING FUND				5.21088
GRAND TOTAL (A+B+C)				24.47088

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2020-21	1,40,185	13,60,554	10,26,771	1,74,810
2021-22	1,77,810	5,35,456	4,27,037	2,86,229
2022-23	2,62,913	8,55,097	5,24,369	3,30,728
2023-24	1,59,318	6,97,303	526856	81333
2024-25	81,333	6,89,047	5,21,088	1,67,959

7.6. (i) Number of SHGs formed by KVKs:10

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities Mushroom production, Vermi-composting, Value addition, Fish fingerlings production, Nursery raising, Apiary

(iii) Details of marketing channels created for the SHGs: Through ORMAS and OLM

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With department line	With ATMA	With both
FIAC	21	Kharif, 2024	-	21	-
Field Day	05	Kharif and Rabi 2024	05	-	-
QPM verification	01	Rabi 2024	01	-	-
Horticulture crop verification (Organic	02	Kharif and Rabi 2024	03	-	-

Cashew production, Potato Mission)					
PM Kisan Mela	04	Kharif and Rabi 2024	04		

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)
BLB	Paddy	2 nd week of August	1000	-	Field visit and recommendation of suitable control measures
Sheath Blight	Paddy	1 st week of Sept.	800	-	Conducted demonstration, field visit and recommended of suitable control measures
BPH	Paddy	2 nd week of October	100	-	Field visit and recommendation of suitable control measures
Root rot	Green gram	1 st week December	300	-	Field visit and recommendation of suitable control measures
BLB	Paddy	2 nd week of August	1000	-	Field visit and recommendation of suitable control measures

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)
Argulous	Rohu, Mrigal	2 nd week of December	20	-	Application of cypermethrin and deltamethrin and TANDAV to control argulous in pond

9.1. Nehru Yuva Kendra (NYK) Training:NA

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

9.2. PPV & FR Sensitization training Programme:NA

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/ SMS Portal)

Type of message	No. of messages	No. of farmers covered
Crop	12	95694
Livestock	5	25410
Fishery	4	2140
Weather	5	96698
Marketing		
Awareness		
Training information		
Other	15	6520
Total	41	226462

9.4. KVK Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	48250
2.	No. of farmers registered in the portal	2,60,000
3.	Mobile Apps developed by KVK	1
4.	Name of the App	Matstya Bandhu
5.	Language of the App	English/Odiya
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
11.09.2024	Digitization of office records/ e-office
19.09.2024 to 21.09.2024	Swachhta Awareness at local level
22.09.2024 to 28.09.2024	Cleaning and beautification of surrounding areas
01.10.2024	Plantation Program at School premises

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
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1. Digitization of office records/ e-office	1	-
2. Basic maintenance	-	-
3. Sanitation and SBM	3	3000
4. Cleaning and beautification of surrounding areas	6	17000
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	2	6000
6. Used water for agriculture/ horticulture application	-	-
7. Swachhta Awareness at local level	6	6000
8. Swachhta Workshops	-	-
9. Swachhta Pledge	2	
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)	150	-
14. No of Staff members involved in the activities	15	-
15. No of VIP/VVIPs involved in the activities	-	
16. Any other specific activity (in details)	-	-
Total	20	32000

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
Kridaspur High School,	01.10.2024	--	Laptop and Picco

Nayagarh			Projector

Give good quality 1-2 photograph(s)

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

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Lok Sabha/Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Door Darsan (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)
01	'Swachha Bhatat Abhiyan' activities held at KVK, Nayagarh campus on dt.22.09.2024	05	25	-	-
02	Organised 'Swachha Bharat Abhiyan' activities at Mahaveer Mandir campus of Laxmiprasad village Bhapur block on dt.24.09.2024.	02	30	-	-

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)
01	Celebration of 'Mahila Kisan Divas 2024' on date.15.10.2024 at village Laxmiprasad of Bhapur block.	01	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
1	Mr Malaya Kumar Sahoo	At- Solapata Bl- Odogaon, 9439689459	IFS
2	Mr Jayakrushna Swain	At-Godipalli, Bl-Odogaon, 9178591598	Vegetable Farming
3	Mr Suresh Rout	At-Subarnadeipur, Bl-Nayagarh, 9938803002	Mushroom farming
4	Mr. Batakrushna Swain	At- Bausnagada, Bl-Ranapur, 9178742013	IFS

9.13. Revenue generation

Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
1.	Training hall, Farmers hostel and Audio-Visual charge	38750	Dept. of Agriculture, Nayagarh ASCI, GoI Dept. of Watershed and Soil Conservation, Nayagarh Dept. of Fishery, Nayagarh

9.14. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	Construction of Research Laboratory	Research and Method Demonstration	GoO	1.5 crore	Yet to construct

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
12.11.2021	IMD	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
Odisha	Nayagarh	ICM	5	63	1. KVK Nayagarh has organized 5 no. of group meetings in flood affected areas of Khandapada, Bhapur block involving the local farmers. It was

					suggested to cultivate maize, Blackgram & vegetable crops due to damage of the rice crop in flood. 2. Community Vegetable nursey raising.
--	--	--	--	--	--

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

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:NA

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)	Packet s				
	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	hectare s				
	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 /	No.				

	Vaccination					
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 2023 (Jan. to Dec., 2023)

Name of KVK						
Sl.No	Item/Activity	Units	Targets/Achievements		No. of Beneficiaries	
			Annual Targets	Achievements	Annual Targets	Achievements
1	Trainings (Capacity building/	No.				

Skill Development etc.)						
1.1	1-3 days	No.	24	24	600	600
1.2	4-10 days	No.	5	5	100	100
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.		20	20	200
4	Awareness camps, exposure visits etc.	No.		7	7	200
5	Input Distribution					
5.1	Seeds (Field Crops)	Tonnes	20q	12q	100	90
5.2	Seeds (High Value Crops, spices etc.)	kg				
5.3	Seeds (Root & Tuber Crops)	tonnes				
5.4	Nursery plants	No.	5000 0	50000	750	650
5.5	Cutting , slips, suckers, etc	No.	1050 0	10500	120	100
5.6	Mushroom Spawns/ Bio-Fertilizers (in Packets)	Packets	1000	850	60	55
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.	2500	800	75	85
5.11	Fish Spawns/ fingerlings	No.	2000 0	20000	50	47
5.12	Small equipment's (upto Rs 2000)	No.	20	20	20	20
5.13	Medium Equipment's/ machinery (upto Rs 25000)	No.	5	1	20	20
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.	2	1	4	4
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	50	25	100	25
	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.	300	200	50	50
	6.5	Promotion of agri-entrepreneurship	No.	5	2	2	2
	6.6	Promotion of IFS, IOFS, Natural Farming, Nutrigarden, kitchen garden, orchards etc	No.	5	3	5	5
	6.7	Creation of market links of farm produces	No.	1	1	10	10
	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.		500	500	1220
8	Employment generation for livelihood		(Man-months)		8	8	2
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%)		0	-	-	-	-
12	Any other (specify)		0	-	-	-	-

b. Fund received under SCSP in 2024-25 (Rs. In lakh):**9.81**

Natural Resource Management

[illegible]

Crop Management

[illegible]

Livestock and fisheries

[illegible]

Institutional interventions

[illegible]

Capacity building

[illegible]

Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC	ST	Other			Total			
		M	F	M	F	M	F	M	F	T

Detailed report should be provided in the circulated Performa

14. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1.	Best progressive Vegetable farmer	Mr Jayakrushna Swain	2024	KVK, OUAT	-	Progressive farmer
2	Progressive FPO	Shree Balunkeswar FPO	2024	KVK, OUAT	-	Progressive FPO

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
	Pvfarm Krushak Krish-E Farmer Producer Company Limited	Incorporation Date: 07-12-2022 CIN: U01100OR 2022PTC04 1363,	Village bhograward, no 12 gp khamarsahi block daspalla, daspalla, nayagarh, orissa, 752091.	Production Processing Marketing	Blackgram, Greengram, Cashew & seasonal Vegetables	230	14.4	Shareholders mobilization, equity collection Upscaling business

		TAN: BBNP0460 4F PAN: AANCP41 41M GST: 21AANCP 4141M1ZB	CONTACT NO- +91- 7091833222, +91- 8637212625 Email: Vickram.Kumar @dvara.com pvfarmkkefpcl @gmail.com					activities, promoting producer groups, institution al linkage for marketing of the produce, conductin g AGM meeting & Board of Director's meet.
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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
1	Vermicomposting	0.2 h	5q/bed	3020	7500	10	30
2	Farm pond	0.2 ha	50000 (Fry)	25000	50,000	20	55
3	Apiary	5 box	25 Kg	3200	7500	06	38
4	Duckery unit	13 nos	200 eggs	5400	3000	05	25

18. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology

1	Demonstration on performance of small-scale japanese quail farming at homestead		2380	10	
2	Demonstration on backyard drumstick cultivation to address malnutrition (Variety: OD C3).	Cultivation of drumstick	0.97	10	
3	Demonstration on backyard or Low Input Technology (LIT) poultry Farming (Aseel)	Rearing LIT birds (Aseel) under semi-intensive system with proper brooding management.	274/bird	10	
4	Demonstration on preparation of Quality Sugarcane Jaggery	Vegetable clarificants like 500 ml. of ladies finger stem extract per 400 liters of cane juice will be used to clear the juice with addition of Sodium hydro-	805	10	

		sulphite (Hydros) @ 0.15g/400 litr			
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19. Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service

	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
Phase	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2018)					
II (up-to 24.04.2018)					
Total					

20. 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)
18.06.2024	Sj Rabinarayan Naik	Rural Dev., PR & DW	Praised the KVK activities

21. 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		
Harvest & Post Harvest Machine Assistant Technician	Er Suchismita Dwivedy	20.11.2024	18.01.2025	0	0	0	0	17	8	Y	2,77,250

(Please provide good quality 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		

22. Information on NARI Project (if applicable):NA

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

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

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants
1					

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



Assessment of Integrated Management of sucking pest in okra



Assessment of Packaging Methods for Nayagarh kanteimindi brinjal



Assessment of Mechanical seed drill for green gram sowing



Assessment of Humidity Mgt for PSM cultivation



Demonstration GI Scampi



Demonstration on Japanese Quail



Demonstration of Agriculture Spray Drone



Demonstration on Preparation of Quality jaggery



Demonstration of Lemon Grass



Demonstration on Ragi Malt Powder



Visit of Minister to KVK Exhibition Stall



Visit of Ho'ble Minister, RD, PR &DW



ASCI Training



Natural Farming Activity



Jal Shakti Abhiyan



Mahila Kisan Diwas

Sd/-
(ANIL KUMAR SWAIN)
Sr. Scientist & Head
KVK, OUAT, Nayagarh