ANNUAL PROGRESS REPORT

January 2024 to December 2024

KVK, GAJAPATI, ODISHA

ODISHA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

PROFORMA FOR ANNUAL REPORT 2024 (January 2024-December 2024)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Gajapati At/Po -R.Udayagiri, Pin-761016, Dist-Gajapati, Odisha	06817291283	-	kvk.gajapati@ouat.ac.in kvkgajapati.ouat@gmail.com gajapatikvk@yahoo.co.in

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

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture and Technology Bhubaneswar, Odisha	0674-2397970	-	registrar@ouat.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Sangram Paramaguru	9937888736	9437492769	kvk.gajapati@ouat.ac.in kvkgajapati.ouat@gmail.com gajapatikvk@yahoo.co.in

1.4. Year of sanction of KVK:2005

1.5. Staff Position (**as on 1st January, 2025**)

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 Sangram Paramaguru	Senior Scientist & Head	Agril. Extension	79800-182400 Basic-95300	17.05.2018	Permanent	Others
2	Subject Matter Specialist	Dr. Sanjib Kumar Mandi	Subject Matter Specialist	Agronomy	56100-177500 Basic-67000	20.08.2018	Permanent	ST
3	Subject Matter Specialist	Dr. Sushree Choudhury	Scientist (Horticulture)	Horticulture	57700-182400 Basic-95300	05.07.2023	Permanent	Others
4	Subject Matter Specialist	Mr Januarius Kujur	Subject Matter Specialist	Agriculture Engineering	56100-177500 Basic-56100	03.10.2024	Permanent	ST
5	Subject Matter Specialist	-	-	-	-	-	-	-
6	Subject Matter Specialist	-	-	-	-	-	-	-
7	Subject Matter Specialist	-	-	-	-	-	-	-
8	Programme Assistant	-	-	-	-	-	-	-
9	Computer Programmer	Mr Manoj Kumar Sahu	Programme Assistant	Computer	35400-112400 Basic- 62200	27.01.2006	Permanent	Others
10	Farm Manager	Vacant	-	-	-	-	-	-
11	Accountant / Superintendent	Vacant	-	-	-	-	-	-
12	Stenographer	Sri Pradeep Kumar Nayak	Jr. Steno-cum-Computer Operator	-	25,500- 81100 Basic-43500	07.07.2023	Permanent	Others
13.	Driver	Mr. Sampada Kumar Sethi	Driver cum Mechanic	-	19900-63200 Basic-31100	01.08.2007	Permanent	SC
14.	Driver	Mr. Simanchal Sahu	Driver cum Mechanic	-	19900-63200 Basic-31100	05.07.2023	Permanent	Others
15.	Supporting staff	Mr. Rama Chandra Behera	Peon cum watchman	-	16600-52400 Basic-25000	31.07.2008	Permanent	SC
16.	Supporting staff	Mr. Prakash Chandra Sethy	Peon cum watchman	-	16600-52400 Basic-21600	01.12.2015	Permanent	SC

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1
2.	Under Demonstration Units	0.2
3.	Under Crops	1.8
4.	Orchard/Agro-forestry	11.75
5.	Others with details	9.86
	Total	**24.61**

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.	Administrative Building	-	-	-	-	Totally completed	330	Under use	ICAR
2.	Farmers Hostel	-	-	-	-	Totally completed	250	Under Use	ICAR
3.	Staff Quarters (6)	Not yet started	-	-	-	-	-	-	-
4.	Piggery unit	-	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-	-
6	Rain Water harvesting structure	-	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-	-
9.	Dairy unit	-	-	-	-	-	-	-	-
10.	Poultry unit	-	-	-	-	Totally completed	24	Under Use	RKVY
11.	Goatary unit	-	-	-	-				
12.	Mushroom Lab	-	-	-	-	Totally completed		Yet to start	State Govt.
13.	Mushroom production unit	-	-	-	-	-	-	-	-
14.	Shade house	-	-	-	-	-	-	-	-
15.	Soil test Lab	-	-	-	-	Totally completed	-	Under use	ICAR

16	Poly House	-	-	-	-	Totally completed	100	Under use	RKVY
17	Training hall	-	-	-	-	Totally completed	120	Under use	State Govt.
18	Vermicompost unit	-	-	-	-	Totally completed	22	Under use	RKVY

* 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
Mahindra Bolero	2017	800000	116911	Good Condition
Tractor	2023	750000	77 hrs	Good Condition
Motor Cycle	2010	49000	58600	Good Condition

C) Equipment & AV aids

a. Lab equipment				
Equipment's of soil lab	2016	3200000	Working	ICAR
Mushroom Spawn Unit	2010	2500000	Not working	RKVY
b. Farm machinery				
Pumpset	2016	10530	Working	ICAR
Self pumping pump	2016	3755	Working	ICAR
Bottom MB Plough	2017	17868	Working	ICAR
5 tyne Cultivator	2017	21635	Working	ICAR
Straight Tyne	2017	4354	Working	ICAR
Power Sprayer	2017	9685	Working	ICAR
c. AV Aids				
Amplifier, Mixer, Microphone, Speaker	2017	39802	Working	ICAR
Projector	2017	33937	Working	ICAR
Projector screen	2017	3580	Working	ICAR
Semi SLR camera	2017	20043	Working	ICAR
Display Board	2017	5028	Working	ICAR
White Board	2017	1885	Working	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Mini Tractor	2017	428425	Working	ICAR

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.	18.12.2024	27	Drought tolerant, medium duration rice varieties should be introduced	Assessment of medium duration rice varieties under rainfed condition has been carried out during kharif, 2024 No. of Farmers Benefited- 10 Village-2 (Jang Jang, Attarsing) Area covered: 2 ha Field Day: 1 Awareness programme- 60 farmers	
			Weed management practices in hybrid maize to be undertaken	Demonstration on weed management in maize has been under taken during kharif, 2024 No. of Farmers Benefited- 10 Village-2 (Jang Jang, Attarsing) Area covered: 2 ha Field Day: 1 Awareness programme- 60 farmers	
			Popularization of improved little millets varieties	Assessment of little millet varieties has been conducted No. of Farmers Benefited- 10 Village-1 (Dhimirijholi) Area covered: 1 ha Group discussion : 1 Awareness programme- 60 farmers	
			Integrated crop management to be carried out in oilseed crops.	Demonstration to be conducted during Rabi 2024-25	
			Foliar application of growth promoters may be undertaken for improving flower and fruit retention in mango.	Training programme and On farm trial on Foliar application of growth promoters have been conducted to check flower and fruit drop in mango No. of Farmers Benefited- 50 Village- 6 (Parisala, Lobarsing, Mangarajpur, Ramagiri, Dihudisahi, Tai) Area covered: 4ha Training - 2	

			Focus should be given for yield enhancement of Pineapple	Training and awareness programme conducted on scientific cultivation of pineapple OFT on "ICM practices on flowering and fruit yield of pineapple" has been conducted No. of Farmers Benefited- 60 Village-5 (Parisala, Sinising, Gamangasahi, Subulada, Phuka) Area Covered – 3 ha Awareness Programme-1, Training -1	
			Demonstration and popularisation of Natural farming.	Training and demonstration of natural farming has been conducted. Demo unit of Natural Farming has been developed at KVK campus for creation of awareness among farmers No. of Farmers Benefited- 35 Village-4 (Atarali A, Lubursing, Tungru, Nuasahi) Area covered: 2 ha Training: 2 Awareness programme- 60 farmers	
			Popularization of multiple disease resistant tomato hybrid varieties may be taken up	Popularization of multiple disease resistant tomato hybrid variety ArkaAbhed has been taken up through Demonstration No. of Farmers Benefited- 50 Village-7 (Tuman, Dihudisahi, Alam, Kandulasahi, Antarali , Atarsing) Area covered: 6 ha Field Day -1	

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

SAC Members Present:

Sl. No.	Name & Designation
1	Dr, Prasanjit Mishra Dean, Directorate of Extension Education, O.U.A.T, Bhubaneswar
2	Dr. P.K.Mohanty DeputyDirector,UEBP, Directorate of Extension Education, O.U.A.T, Bhubaneswar
3	Dr. S.K. Mondal Principal Scientist, ICAR-ATARI, Kolkata

4	Dr. Gyanalok Das ADR,RRTTS. G Udyagiri
5	Mr. Suresh Kumar Pattnayak PD, Watershed, Gajapati, Paralakhemundi
6	Dr. Susanta Ranjan Dash DDH, Gajapati, Paralakhemundi
7	Mr. Pratik Panda DDM, NABARD, Gajapati, Paralakhemundi
8	Mr. Maheswar Mandal LDM, Gajapati, Paralakhemundi
9	Mrs Bishnupriya Gouda Asst. Agril. Officer, Nuagada
10	Mr Mrutaunjaya Sabat Asst.Fishery Officer Nuagada
11	Mr. Subham Biswal Asst. Veterinary Officer R Udayagiri
12	Mr. RajibTudu Scientist (PP) KVK Rayagada
13	Mr Pawan Kumar Sahoo CEO ,TFPCL
14	Dr. Sujit Kumar Nath Senior Scientist and Head, KVK Ganjam-II
15	Mrs. Roji Dalai Progressive Farm Woman, R.Udayagiri
16	Mrs. Rasmita Dalai Progressive Farm Woman, R.Udayagiri
17	Mr. Aruna Chandra Pradhan Progressive Farmer, R.Udayagiri
18	Mr. ManojRaika Progressive Farmer, R.Udayagiri
19	Mr. Bhajana Dalai Progressive Farmer, R.Udayagiri
20	Mr. Sandeep Mohanty Scientist (Plant Protection) KVK Ganjam-II
21	Dr. Sidhartha Sankar Das Scientist (Fishery) KVK Ganjam-II

22	Dr. Debasis Sarangi Scientist (Soil Science) KVK Ganjam-II
23	Dr. Sanjib Kumar Mandi Subject Matter Specialist (Agronomy)
24	Mr. Jayashankar Pradhan Subject Matter Specialist (Agrometeorology)
25	Dr Sushree Choudhury Scientist(Horticulture)
26	Dr. Sangram Paramaguru Senior Scientist and Head, KVK, Gajapati
27	Mr Januarius Kujur Subject Matter Specialist Agriculture Engineering KVK, Gajapati

2.a. District level data on agriculture, livestock and farming situation (2024)

Sl. no.	Item	Information
1	Major Farming system/enterprise	Rice-fallow, Rice-Paira Greengram/Blackgram, Maize –fallow, Ragi-Fallow
2	Agro-climatic Zone	North Eastern Ghat Zone
3	Agro ecological situation	AES-I - Red loam soil, Low rainfall, moderate elevation (300-500 m) Moderate irrigation AES-II-Black forest & red loam soil, Moderate rainfall, high irrigation AES-III-Laterite soil, moderate rainfall, high irrigation
4	Soil type	Red Loamy soils, Laterite Soils, Black soils
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Rice-39.81 q/ha, Maize-35 q/ha, Ragi-15 q/ha Greengram-15 q/ha, Blackgram-16 q/ha, Arhar-25 q/ha Groundnut -40 q/ha, Sesame-8q/ha Brinjal-152 q/ha, Cauliflower-145.6 q/ha, Chilli-8.1
6	Mean yearly temperature, rainfall, humidity of the district	Max Temp -39^0 C Minimum Temp-10^0 C Rainfall-1423 mm, Relative Humidity-78-85%
7	Production of major livestock products like milk, egg, meat etc.	Milk-20.70 MT, Egg-154 Lakhs, Meat-1923 MT

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	-	R.Udayagiri	Tai, Dihudisahi, Mangarajpur	Rice, Maize, Ragi, Mango	Acidic Soil, Rice-stem borer, Gall midge, BPH, Blast, Sheath Blight Maize-Imbalanced use of fertilizer Mango-Stone weevil	Soil Health Management, Varietal replacement with high yielding varieties Integrated disease and pest management, Integrated nutrient Management,
2		R.Udayagiri	Alama, Phuka	Rice, Maize, vegetables, mango , marigold, poultry	Acidic Soil, Rice-stem borer, Gall midge, BPH, Blast, Sheath Blight Maize-Imbalanced use of fertilizer Mango-Stone weevil Vegetable-Imbalance fertilizer application, Disease and pest incidence, Mite infestation in marigold and not following GAP(pinching), RD disease low body weight in poultry	Soil Health Management, Varietal replacement with high yielding varieties Integrated disease and pest management, Integrated nutrient Management, Crop diversification to high value vegetables, Scientific production technology for commercial flower, vaccination & Feed management
3		R.Udayagiri	Sabarpalli, Anukampa, Phatachencheda Kankadaguda	Rice, Ragi Vegetable, Cashew nut , Mango, Poultry	Acidic Soil, Rice-stem borer, Gall midge, BPH, Blast, Sheath Blight Vegetable-Imbalance fertilizer application, Disease and pest incidence, Mango-Stone weevil, Fruit drop and fruit fly, Tea mosquito bug in cashew, RD disease low body weight in poultry	Soil Health Management, Varietal replacement with high yielding varieties Integrated disease and pest management, Integrated nutrient Management, Crop diversification to high value vegetables, Orchard management vaccination & Feed management
4		Mohana	Merapalli, Madhuramba Kaithpada	Rice, Maize, Ragi, Blackgram, Greegram vegetables	Acidic Soil, Rice-stem borer, Gall midge, BPH, Blast, Sheath Blight Maize-Imbalanced use of fertilizer, Pod borer and powdery mildew in greengram & blackgram, Vegetable-Imbalance fertilizer application, Disease and pest incidence	Soil Health Management, Varietal replacement with high yielding varieties Integrated disease and pest management, Integrated nutrient Management, Crop diversification to high value vegetables,
5		Mohana	Betarsing	Rice, Maize, Ragi, Arhar, Vegetables	Acidic Soil, Rice-stem borer, Gall midge, BPH, Blast, Sheath Blight Maize-Imbalanced use of fertilizer, Pod borer in Arhar Vegetable-Imbalance fertilizer application, Disease and pest incidence	Soil Health Management, Varietal replacement with high yielding varieties Integrated disease and pest management, Integrated nutrient Management, Crop diversification to high value vegetables

6		Mohana	Madhuramba, Akili, Jubagaon, Kharidhepa, Manikpur, Govindpur	Rice, Maize, Ragi, Pigeonpea, Blackgram, Greegram vegetables, mango, Poultry	Acidic Soil, Rice-stem borer, Gall midge, BPH, Blast, Sheath Blight Maize-Imbalanced use of fertilizer, Pod borer and powdery mildew in greengram & blackgram, Vegetable-Imbalance fertilizer application, Disease and pest incidence Mango-Stone weevil, Fruit drop and fruit fly, RD disease low body weight in poultry	Soil Health Management, Varietal replacement with high yielding varieties Integrated disease and pest management, Integrated nutrient Management, Crop diversification to high value vegetables, Orchard Management, vaccination & Feed management
7		Nuagada	Kendupada, Analaguda, Titising	Rice, Ragi, Pigeonpea, Vegetables, mango, Sunflower	Acidic Soil, Rice-stem borer, Gall midge, BPH, Blast, Sheath Blight Vegetable-Imbalance fertilizer application, Disease and pest incidence Mango-Stone weevil, Fruit drop and fruit fly, Head borer infestation & Imbalance fertilizer application	Soil Health Management, Varietal replacement with high yielding varieties Integrated disease and pest management, Integrated nutrient Management, Crop diversification to high value vegetables, Orchard Management
8		Rayagada	Landusahi, Koinpur	Rice, Maize, Vegetables, Mango, Cashew nut, Poultry	Acidic Soil, Rice-stem borer, Gall midge, BPH, Blast, Sheath Blight Maize-Imbalanced use of fertilizer, Vegetable-Imbalance fertilizer application, Disease and pest incidence Mango-Stone weevil, Fruit drop and fruit fly, Tea mosquito bug in cashew RD disease low body weight in poultry	Soil Health Management, Varietal replacement with high yielding varieties Integrated disease and pest management, Integrated nutrient Management, Crop diversification to high value vegetables, Orchard Management, vaccination & Feed management
9		Gumma	Padampur, Kujasing, Adamguda, S.Kurlunda	Rice, Greengram, Blackgram, Groundnut, Sesame,poultry	Acidic Soil, Rice-stem borer, Gall midge, BPH, Blast, Sheath Blight Pod borer and powdery mildew in greengram & blackgram, RD disease low body weight in poultry	Soil Health Management, Varietal replacement with high yielding varieties Integrated disease and pest management, Integrated nutrient Management, vaccination and Feed management
10		Gumma	Ragidi,Tarabha	Rice, Greengram, Blackgram, Groundnut, Sesame, poultry , Vegetable	Acidic Soil ,Rice-stem borer, Gall midge, BPH, Blast, Sheath Blight Pod borer and powdery mildew in greengram & blackgram, Vegetable-Imbalance fertilizer application, Disease and pest incidence RD disease low body weight in poultry,	Soil Health Management, Varietal replacement with high yielding varieties Integrated disease and pest management, Integrated nutrient Management, vaccination and Feed management, Vegetable- Crop diversification to high value vegetables

11		Gosani	Uppalada, Vanna, Budura	Rice, Greengram, Blackgram, Groundnut, Sesame, Vegetable	Acidic Soil, Rice-stem borer, Gall midge, BPH, Blast, Sheath Blight Pod borer and powdery mildew in greengram & blackgram, Vegetable-Imbalance fertilizer application, Disease and pest incidence	Soil Health Management, Varietal replacement with high yielding varieties Integrated disease and pest management, Integrated nutrient Management, Vegetable- Crop diversification to high value vegetables

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2024) for its development and action plan

Name of village	**Block**	**Action taken for development**
Dihudisahi	R.Udayagiri	OFT, FLD, Training
Bidydharpur	R.Udayagiri	OFT, FLD, Training
Sundruba	R.Udayagiri	OFT
Sabarpalli	R.Udayagiri	OFT, FLD, Training
Anukampa	R.Udayagiri	FLD, Training
Phatachanchada	R.Udayagiri	FLD, Training
Kankadaguda	R.Udayagiri	OFT, FLD, Training
Gamangasahi	R.Udayagiri	OFT, FLD, Training
Parisal	R.Udayagiri	OFT, , Training
Pratappur	Mohana	CFLD, Training
Madhuramba	Mohana	CFLD, Training
P.Govindpur	Mohana	OFT, FLD, Training
Kaithapada	Mohana	OFT, FLD, Training
Kesara	Mohana	OFT, FLD, Training
Jubagaon	Mohana	OFT, FLD, Training
Akili	Mohana	FLD, Training
Govindpur	Mohana	Training
Manikpur	Mohana	FLD, Training
Kharidhepa	Mohana	FLD, Training
Pindiki	Mohana	OFT, FLD, Training
Titisingh	Nuagada	OFT, FLD, Training
Landusahi	Rayagada	OFT, FLD, Training
Koinpur	Rayagada	FLD, Training

Padampur	Gumma	FLD, Training
Adamguda	Gumma	CFLD, Training
S.Kurlunda	Gumma	CFLD, Training
Tarava	Gumma	CFLD, Training
Vanna	Gosani	FLD, Training
Tuman	Gosani	FLD, Training
Atarsing	Nuagada	FLD, OFT, Training
Titising	Nuagada	FLD, OFT, Training
Sinising	R.Udayagiri	Training
Lubursing	R.Udayagiri	OFT, FLD, Training
Dhimirijholi	Mohana	OFT, FLD, Training
Sureikhamar	R.Udayagiri	OFT, FLD, Training
Jang Jang	Nuagada	OFT, FLD, Training

2.1 Priority thrust areas

S. No	Thrust area
1.	Acid soil management
2.	Organic cultivation
3.	Integrated weed management
4.	Varietal replacement with high yielding varieties
5.	Integrated Nutrient management
6.	Integrated pest management
7.	Seed and seedling production
8.	Crop intensification
9.	Value addition and preservation
10.	Crop diversification
11.	Entrepreneurship development
12.	Postharvest management
13.	Management of fruit orchard
14.	Livestock management
15.	Small Farm Mechanization
16.	Mushroom cultivation
17.	Apiculture
18.	Water management

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
6	6	60	0	0	32	8	0	0	32	8	40	6	6	60	0		45	15	0	0	45	15	60

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
48	48	1114	0	0	468	312	218	116	686	428	1114	500	581	2500									Mass

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
25	31	0	0	25	1	4	0	25	4	29	Mass	Mass									

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
-	-	75,000	1,46,810

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

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	6	Mass	5	6.29	5.5		
Seminar/conference/ symposia papers	3	Mass					
Books	9	4500	-	-	-	-	-
Bulletins							
News letter	2	1000	-	-	-	-	-
Popular Articles							
Book Chapter							
Extension Pamphlets/ literature							
Technical reports							
Electronic Publication (CD/DVD etc)							
TOTAL	20	Mass	5	6.29	5.5	-	-

3.1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	**Assessment of Medium Duration Rice Varieties under Ranifed Condition**
2.	Problem diagnosed	Low yield due to less growth of panicle
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP-Cultivation of rice varLalat (IET 9947) TO_1-Cultivation of rice var. Kalinga Dhan 1203 TO_2-Cultivation of rice var. Kalinga Dhan 1204 TO_3-Cultivation of rice var. Kalinga Dhan 1205
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-NRRI, 2019
5.	Production system and thematic area	Rainfed medium, extensive culture, Crop production
6.	Performance of the Technology with performance indicators	Effective tillers/hill, no. of grains/panicle, test weight, crop duration, Yield, Economics
7.	Final recommendation for micro level situation	To increase No of pods/plant,to increase fruit yield,
8.	Constraints identified and feedback for research	Farmers satisfied with this technology
9.	Process of farmers participation and their reaction	Rice var. Kalinga Dhan 1205 matured the earliest (5-7 days) and produced the highest yield with medium slender grain & good cooking quality.

Thematic area: crop production

Problem definition: Low yield due to less growth of panicle

Technology assessed : Assessment of Medium Duration Rice Varieties under Ranifed Condition

Table:

Technology option	No. of trials	Crop component		**Yield (q/ha)**	**Net Return (Rs./ha)**	**B:C Ratio**
		Plant height (cm)	**Effective tillers/hill**			
FP	7	102.8	12.1	36.17	48700	2.05
TO_1	7	124.6	14.3	39.59	84750	2.74
TO_2	7	116.9	13.7	38.45		
TO_3	7	132.4	15.4	40.92	79700	2.65

OFT-2

1.	Title of On farm Trial	**Assessment of Little Millet Varieties**
2.	Problem diagnosed	Low yield due to local variety
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Cultivation of Little millet var. Bada Suan **TO_1** : : Cultivation of Little millet var. OLM 208 **TO_2**: Cultivation of Little millet var. Bada 217 **TO_3**:: Cultivation of Little millet var. Kalinga Suan 18
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT, SLREC Proceedings 2013
5.	Production system and thematic area	Rainfed upland, extensive culture Varietal Introduction
6.	Performance of the Technology with performance indicators	Effective tillers/hill, no.of grains/panicle, test weight, crop duration, Yield, Economics
7.	Final recommendation for micro level situation	To increase little Millet production
8.	Constraints identified and feedback for research	Farmers satisfied with the increase in little Millet production
9.	Process of farmers participation and their reaction	**Little millet var. Kalinga Suan 18 performed the best in respect of productivity as well as profitability**

Thematic area: Varietal Introduction

Problem definition: Low yield due to local variety

Technology assessed : **Assessment of Little Millet Varieties**

Table:

Technology option	No. of trials	**Plant height (cm)**	**Effective tillers/hill**	**Yield (q/ha)**	**Net Return (Rs./ha)**	**B:C Ratio**
FP		159.8	3.1	7.55	13,940	1.76
TO_1	10	141.8	3.6	8.44	18,148	2.01
TO_2	10	149.5	3.9	8.85	19,657	2.07
TO_3	10	150.6	4.1	9.06	20,557	2.12

OFT-3

1.	Title of On farm Trial	**Assessment of use of plant growth regulators to check flower and fruit drop in mango**
2.	Problem diagnosed	Low yield in mango due to fruit drop
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP-No application of plant growth regulator TO_1-Application of NAA 20 ppm at pea size and marble fruit size. TO_2-Application of triacontanol @ 3ppm at pea size and marble fruit size
5.	Production system and thematic area	Irrigated medium land , extensive culture, Plant growth regulators application
6.	Performance of the Technology with performance indicators	Fruit Weight, Fruit size, No of Fruits/plant, Fruit yield(q/ha). Cost of intervention. Additional income over additional investment, , B:C ratio
7.	Final recommendation for micro level situation	To reduce flower and fruit drop in mango
8.	Constraints identified and feedback for research	Farmers satisfied with the yield performance
9.	Process of farmers participation and their reaction	Application of NAA 20 ppm increases the number of fruits per plant and also increases the fruit yield by 42.43%

Thematic area: Varietal Introduction

Problem definition: Low yield due to flower and fruit drop in mango

Technology assessed: **Assessment of use of plant growth regulators to check flower and fruit drop in mango**

Table:

Technology option	No. of trials	**Fruit yield(t/ha)**	**% increase in Yield**	**No of Fruits/plant**	**Fruit Weight(gm)**	**Fruit yield/plant (kg)**	**Gross return**	**Gross cost**	**Net return (Rs./ha)**	**B:C ratio**
FP	7	6.48		79.94	202.77	16.21	226800	126000.0	100800.0	1.80
TO_1	7	9.23	42.43	89.33	263.84	23.57	323050	132942.4	190107.6	2.43
TO_2	7	8.61	32.87	84.60	254.42	21.52	301350	131071.1	170278.9	2.28

OFT-4

1.	Title of On farm Trial	Assessment of integrated crop management on yield of pineapple
2.	Problem diagnosed	Low yield due to poor crop management
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP-No poor crop management TO_1-Foliar application of NAA 200mg/lit + B 100mg/lit + Zn 100 mg/lit at flower initiation stage TO_2-Foliar application of GA 100mg/lit + B 100 mg/lit+ Zn 100 mg/lit flower initiation stage
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-IIHR-2021
5.	Production system and thematic area	Irrigatedmedium land , extensive culture , Integrated crop management
6.	Performance of the Technology with performance indicators	Fruit Weight, Fruit size, No of Fruits/plant, Fruit yield(q/ha). Cost of intervention. Additional income over additional investment, , B:C ratio
7.	Final recommendation for micro level situation	To increase fruit yield in pineapple
8.	Constraints identified and feedback for research	Farmers satisfied with the yield performance
9.	Process of farmers participation and their reaction	Application of NAA 20 ppm increases the number of fruits per plant and also increases the fruit yield by 42.43%

Thematic area: Varietal Introduction

Problem definition: Low yield due to poor crop management

Technology assessed : Assessment of integrated crop management on yield of pineapple

Table:

Technology option	No. of trials	CONTIUNING STAGE
FP	7	
TO_1	7	
TO_2	7	

OFT-5

1.	Title of On farm Trial	Assessment of drip and fertigation in tomato for enhancing yield and water productivity
2.	Problem diagnosed	Low yield due to improper nutrient management and irrigation method
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP- Surface application + RDF (soil application) TO_1- Drip + RDF (soil application) TO_2- Drip + RDF (Fertigation)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-IIWM, Bhubaneswar, 2017-18
5.	Production system and thematic area	Irrigated medium land , extensive culture , Integrated nutrient and water management
6.	Performance of the Technology with performance indicators	Water requirement, ET rate, Water use efficiency (%), Fruit Weight, Fruit size, No of Fruits/plant, Fruit yield(q/ha). Cost of intervention. Additional income over additional investment, , B:C ratio
7.	Final recommendation for micro level situation	Continued
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	-

Thematic area: Micro-irrigation system

Problem definition: Low yield due to improper nutrient management and irrigation method

Technology assessed :Assessment of integrated crop management on yield of pineapple

Table:

Technology option	No. of trials	CONTIUNING STAGE
FP	10	
TO_1	10	
TO_2	10	

OFT-6:

1.	Title of On farm Trial	Assessment of effectiveness of various sources of inforemation for pest management in rice
2.	Problem diagnosed	Poor accessibility to accurate and timely information on technological knowledge
3	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined	FP- No proper information near farmer TO_1 : Information from input dealers (Information to be collected through identified dealers) TO_2 : Technological backstopping from Extension functionaries (Information through VAWs/e-pest surveillance) TO_3 : Technological backstopping from KVK
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Source : AICRP
5.	Production system and thematic area	Irrigated medium land , extensive culture , Integrated nutrient and water management
6.	Performance of the Technology with performance indicators	. Timeliness of the Message, Accuracy of the Information , Usability of the Information , Effectiveness of the Information
7.	Final recommendation for micro level situation	Technological backstopping from KVK
8.	Constraints identified and feedback for research	Farmers not getting proper information
9.	Process of farmers participation and their reaction	In case of TO_3 farmers are getting information timely which is very much accurate in comparison with others

PERFORMANCE INDICATORS	TO_1 (N=30)		TO_2 (N=30)		TO_3 (N=30)	
	MS	GAP (%)	MS	GAP (%)	MS	GAP (%)
Timeliness of the Message	3.9	22	3.8	24	**4.5**	**10**
Accuracy of the Information	3.5	30	4.2	14	**4.3**	**14**
Relevance of Farming situation	3.7	26	3.8	24	**3.8**	**22**
Usability of the Information	3.8	26	3.4	32	**3.7**	**22**
Effectiveness of the Information	4.6	8	4.5	10	**4.7**	**6**

Good quality photographs of different treatments:

Assessment of Medium Duration Rice Varieties under Ranifed Condition(Harvesting stage)	**Assessment of Medium Duration Rice Varieties under Ranifed Condition(Vegetative stage)**
Assessment of Little Millet Varieties (Vegetative stage)	Assessment of Little Millet Varieties (Ripening stage)

Assessment of use of plant growth regulators to check flower and fruit drop in mango	Assessment of effectiveness of various sources of information for pest management in rice

Please provide all the OFTs in same format

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

a. 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.	Maize	Weed Management	Demonstration on Weed Management in maize	1	1	0	0	7	3	0	0	7	3	10	
2	Rice	Varietal Introduction	Demonstration of High Protein Rice Variety CR Dhan 310	1	1	0	0	8	2	0	0	8	2	10	

. b. Oilseeds:

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.	Sesame	Integrated Nutrient Management	Demonstration of Integrated Nutrient Management in Sesame	1	1	0	0	7	3	0	0	7	3	10	
2	Groundnut	Weed management	Demonstration on Herbicides for Weed Control in Groundnut	1	1	0	0	6	4	0	0	6	4	10	

. c. Pulses:

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.	Pigeon pea	Weed management	Demonstration of Weed Management in Pigeon pea	1	1	0	0	7	3	0	0	7	3	10	

B. Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Maize	Kharif 2024	Rainfed	Red and Laterite	202.5	17.4	317.1	Fallow	24.06.2024	12.10.2024	707	58

Rice	Kharif 2024	Rainfed	Red and Laterite	236.4	15.2	305.8	Fallow	27.06.2024	15.10.2024	707	58
Sesame	*Summer 2024*	Irrigated	Red and Laterite	222.5	17.4	327.1	Rice	28.01.2024	20.4.2024	144	3
Groundnut	Rabi, 2023-24	Irrigated	Sandy soil	208.5	18.9	327.1	Rice	15.01.2024	25.4.2024	154	4
Pigeon pea	*Kharif*, 2024	Rainfed	Red and Laterite	216.4	21.5	305.8	Fallow	6.7.2024	16.1.2025	669	55

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.

C. Performance of FLD

Frontline demonstrations on Cereals

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
Maize	Weed management	Demonstration on Weed Management in maize	10	1	45.4	35.3				56,473	2.27			36,319	1.86
Rice	Varietal Introduction	Demonstration of High Protein Rice Variety CR Dhan 310	10	1	39.5	35.4				34,740	1.79			25,998	1.58
Total			20	2	84.9	70.7	0	0	0	91213	4.06	0	0	62317	3.44

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
Sesame	Integrated Nutrient Management	Demonstration of Integrated Nutrient Management in Sesame	10	2	6.08	4.33				24,320	2.14			13,013	1.67

Groundnut	weed management	Demonstration on Herbicides for Weed Control in Groundnut in rabi	10	2	18.35	15.26	20.25	43290	128478	85188	2.97	52980	106834	53854	2.02
Total			20	4	24.43	19.59	20.25	43290	128478	109508	5.11	52980	106834	66867	3.69

* 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
Pigeon pea	Weed management	Demonstration of Weed Management in Pigeon pea	10	2	-	-	-	Crops in flowering stage							
	Total														

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

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters (ymv%)		*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
Onion	INM	Demonstration on nutrient management in onion	10	1	129.8	96.5	26.3	107.85 Bulb weight (g)	68.57 Bulb weight(g)	99421	233640	134219	2.35	85990	173700	87710	2.02

Brinjal	Crop management	Demonstration of mulching in brinjal	10	1	239.2	186.4	28.3%	Weed density (Total no. of weed/ m2) 23	Weed density (Total no. of weed/m2) 128	183050	478400	295350	2.61	175850	372800	196950	2.12
Yard long bean	Varietal Introduction	Demonstration on yard long bean variety for tolerance to YMV	10	0.4	187.3	156.1	19.5%	YMV (%) 4.3%	23.2%	136928	280920	143992	2.10	134428	234210	99782	1.74
Chilli	Crop management	Demonstration on Polythene mulching in chilli for higher yield and profitability	10	1	163.7	128.6	27.3	Number of fruits/plant 210.5	Number of fruits/plant 193.7	209800	572950	363150	2.73	204500	450100	245600	2.20
Groundnut	Weed management	Demonstration on Herbicides for Weed Control in Groundnut	10	2	18.31	14.28		Weed Density (No./m^2) 45 DAS 11.45	18.84	43290	128478	85188	2.97	52980	106834	53854	2.02
Sesamum	INM	Demonstration of Integrated Nutrient Management in Sesame	10	2	6.08	4.33		No. of capsules/plant 40.4	No. of capsules/ plant 34.2			24,320	2.14			13013	1.67
Rice	Varietal Introduction	Demonstration of High Protein Rice Variety CR Dhan 310	10	2	39.5	35.4		Protein content (%) 9.6	Protein content (%) 6.8			34,740	1.79			25998	1.58

Maize	weed management	Demonstration on Weed Management in maize	10	2	45.4	35.3		Weed Control Efficiency (%) 91.24	Weed Control Efficiency (%) 60.28			56473	2.27			36319	1.86
Vegetable crop	Crop management	Demonstration of usefulness of crop calendar	Continuing														
	Total																

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	
Total																	

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

Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demons ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps																	
Mussels																	
Ornamental fishes																	
Others (pl. specify)																	
		Total															

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

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demons ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl. specify)																
	Total															

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

Women empowerment

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women					

Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demons ration	Check									

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

Demonstration details on crop hybrids

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

Groundnut										
Soybean										
Others (Pl. specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl.specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Chilli	Arka harita	10	0.8	163.7	128.6	27.3%	209800	572950	363150	2.73
Brinjal	Akshita	10	0.4	239.2	186.4	28.3%	183050	478400	295350	2.61
Okra										
Onion	Agri found light red	10	0.8	129.8	96.5	26.3%	99421	233640	134219	2.35
Potato										
Field bean	ArkaMangala	10	0.4	187.28	156.14	19.94%	136928	280920	143992	2.10
Others (Pl. specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl.specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										

Others (Pl.specify)										
Total										

Good quality photographs of FLDs

Demonstration of Integrated Nutrient Management in Sesame	Demonstration on Herbicides for Weed Control in Groundnut in rabi
Demonstration of High Protein Rice Variety CR Dhan 310	Demonstration on Weed Management in maize

Demonstration of Weed Management in Pigeon pea	Demonstration on nutrient management in onion
Demonstration of mulching in brinjal	Demonstration on yard long bean variety for tolerance to YMV
Demonstration on Polythene mulching in chilli for higher yield and profitability	Demonstration on nutrient management in onion

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Onion	Foliar application of ZnSO4 @0.5 percent at 45 and 60 days after transplanting of onion along with soil application of NPKS@110:40:60:30 kg per ha enhanced the yield by 26.3 %
2	Brinjal	Farmers are interested for use of polythene mulching as it reduced the weed density and increases the yield
3	Yard long bean	Farmers preferred to grow variety Arka mangla for its higher productivity and less disease incidence.
4	Chilli	Farmers are interested for use of polythene mulching as it reduced the weed density and increases the yield by 27.3%
5	Groundnut	Post emergence application of Imazethapyr 10% SL @ 0.75 kg /ha at 20 DAS recorded lower weed density and higher return as compared to hand weeding.
6	Sesame	Integrated nutrient management practices recorded higher productivity and profitability in sesame
7	Rice	Rice var. CR Dhan 310 yielded more than Lalat with medium slender grain and good cooking quality
8	Maize	Pre-emergence application of Atrazine followed by post emergence application of Tembotrione 34.4 SC @ at 20-25 DAS recorded very low weed population and higher maize yield
9	Pigeon pea	Pre-emergence application of Pendimethalin 30% EC @2500 ml/ha at 3 DAS and post-emergence application of Imazethapyr 10% SL @ 1000 ml/ha with one hand weeding at 50 DAS decreases the weed density and increases yield

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	30.1.24, 5.2.24, 28.7.2024, 17.08.2024 11.2.2024, 21.4.2024 08.10.2024, 30.10.2024, 07.11.2024	9	225	Farmers really appreciated with the demonstrated technologies
2.	Farmers Training	10.1.2024. 23.2.2024, 1.3.2024 , 26.2.2024, 11.4.2024. 3.7.2024, 8 .8.2024 14.8.2024, 19.11.2024	4	100	Farmers were really appreciated with the demonstrated technologies
3.	Media coverage	19.10,2024, 29.10.2024	2	58	Joint field visit with line Dept. for insect pest and disease surveillance Joint field visit with CDAO for wild rice infested paddy field
4.	Training for extension functionaries	18.10.2024. 1.11.2024	2	20	The technology transferred by extension funcctionaries

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2024 and Rabi 2023-24:

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				Max.	Min.	Av.	D	S	P

						yield (P)									
1.	Sunflower (Summer, 2024)	DSH-1	11.35	12.64	12.53	22	Yellow sticky trap @ 4 /ac, Nano Urea @ 800 ml/ac, *Tichogramma chilonis* card @ 1.72 /ac, Emamectin Benzoate 5% SG @ 80g/ac, Propiconazole 25% EC @ 200ml/ac, Boron (20% B) @ 200g/ac and NAA @ 100 ml/ac, Zinc Sulphate @ 2 kg/ac and Neem Oil 1500 ppm @ 520 ml/ac	50	20	14.3	13.25	13.78	8.98	9.94	59.71
2	Sesame (Summer, 2024)	Local Til	4.5	4.18	3.99	8	Sesame var. Smarak @ 2 kg/ac, installation of yellow sticky trap @ 4 pc/ac, release of *Trichogramma chilonis* card @ 1 pc./ac, Imidacloprid 17.8% SL @ 0.3 ml/l, spraying of Emamection Benzoate 5% SG @ 0.4g/l, Propiconaz	25	10	6.41	5.8	6.11	46.05	53.01	31.04

							ole 25% EC @1ml/l, Foliar spray of Nano Urea @ 4ml/l, 0.5% spray of Zinc Sulphate 23% Zn @ 5g/l, 0.1% spray of Boron (20%B) @ 1 g/l at reproductive stage								
3	Sesame (Kharif 2024)	Local Til	4.29	4.18	3.99	8	Sesame var. Kalinga Sesame 3-1 @ 2 kg/ac, installation of yellow sticky trap @ 4 pc/ac, release of *Trichogramma chilonis* card @ 1 pc/ac, post emergence application of Imazethapyr 10% SL @ 1.5ml/l at 20-25 DAS, Foliar spray of Nano Urea @ 4 ml/l at 30 DAS, spraying of Neem oil 1500 ppm @ 5ml/l and Imidacloprid 17.8%	200	80	6.4	4.7	5.55	32.78	39.10	33.33

							SL @ 0.3 ml/l to control aphid/white fly, spraying of Emamection Benzoate 5% SG @ 0.4g/l, Propiconazole 25% EC @1ml/l, 0.5% spray of Zinc Sulphate 23% Zn @ 5g/l, 0.1% spray of Boron (20%B) @ 1 g/l at reproductive stage								

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	Sunflower	38380	68148	29768	1.78	40078	82152	42074	2.05
2	Sesame	19428	33750	14322	1.74	21512	45825	24313	2.13
3	Sesame	19378	32175	12797	1.66	21500	44810	23310	2.08

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	Sunflower	68460	60	60	2	36	Family, Education, Home	2
2	Sesame	15275	35	75	2	20	Family, House, Education	2
3	Sesame	119495	40	75	2	16	Family, Education, Home	2

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	Sunflower	Yes	8.35	82.5	No	Yes	NA
2	Sesame	Yes	8.5	75	No	Yes	NA
3	Sesame	Yes	8.2	70	No	Yes	NA

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
KBSH-53 is yield potential Sunflower hybrid (22 quintal per ha). It reaches maturity in 100 days and is moderately tolerant to drought	High yielding & oil content, moderately tolerant to drought and 21-22 cm head diameter	Good seed quality and higher yield	Satisfied
Sesame var. Smarak is high yielding (8 quintal per ha), golden yellow bold seed, tolerant to *Macrophomina* and drought	High yielding & good oil content, tolerant to drought	Higher yield and good oil quality	Satisfied
Kalinga Sesame 3-1 (OSC-79) is a medium-maturing (85 days) sesame variety with a medium plant height. It is resistant to *Alternaria* leaf spot	High yielding and resistant to *Alternaria* leaf spot	Higher yield and drought tolerant	Satisfied

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Training	27.02.2024 at Tarabanga	25
	Training	28.02.2024 at Paikarai	25
	Field Day	12.03.2024 at Paikarai	25
	Field Day	14.03.2024 at Tarabanga	25
2	Training	20-02-2024 at Sirida	25
	Field Day	13-03-2024 at Sirida	50
3	Training	13-08-2024 at Pratappur	25
	Training	13-08-2024 at Chemekunda	25
	Training	14-08-2024 at Karalapankal	25
	Training	14-08-2024 at Bhalipanka	25
	Training	16-08-2024 at Kanchimul	50
	Training	17-08-2024 at Basriguda	50
	Field Day	08-11-2024 at Kanchimul	100
	Field Day	12-11-2024 at Chemakunda	50
	Field Day	18-11-2024 at Karalapankal	50

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

a. Sunflower

Seedling Stage	**Vegetative Stage**
Vegetative Stage	**Flowering stage**
Flowering stage	**Maturity stage**

b. Sesame

Training and seed distribution of Sesame under CFLD on oilseeds programme	**Distribution of inputs at Sirida village**

Seedling stage	Vegetative stage
Vegetative stage	Flowering stage
Field Day	Flowering stage

c. Sesame

Seedling stage	Vegetative stage

Vegetative stage

Flowering stage

Capsule development stage

Harvesting stage

H. Farmers' training photographs

a. Sunflower

Training programme on seed production and primary processing of Sunflower

b. Sesame

Training and seed distribution under CFLD on Oilseeds during Summer, 2024

c. Sesame

Training and seed distribution of Sesame under CFLD on oilseeds programme at Kanchimul	Distribution of inputs at Karalapankal village

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

a. Sunflower

Field Day of CFLD on Oilseeds (Sunflower) during summer, 2024	

b. Sesame

Field Day of CFLD on Oilseeds (Sesame) during summer, 2024	

c. Sesame

Field Day	

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Sunflower (Summer, 2024)	i) Critical input	108000	108000	Nil
	ii) TA/DA/POL etc. for monitoring	12000	12000	Nil
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	120000	120000	Nil
Sesame (Summer, 2024)	i) Critical input	45000	45000	Nil
	ii) TA/DA/POL etc. for monitoring	5000	5000	Nil
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	50000	50000	Nil
Sesame (Kharif, 2025)	i) Critical input	576000	576000	Nil
	ii) TA/DA/POL etc. for monitoring	64000	64000	Nil
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	640000	640000	Nil

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

A) Farmers and farm women (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	0	0	0	0	0	0	19	6	25	19	6	25
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management	6	0	0	0	0	0	0	75	75	150	75	75	150
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total	7	0	0	0	0	0	0	94	81	175	94	81	175
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops	1	5	4	9	1	0	0	11	5	16	15	10	25
Off0season vegetables	1	5	4	9	1	0	0	11	5	16	15	10	25
Nursery raising	1	4	0	4	0	0	0	18	3	21	22	3	25
Exotic vegetables													

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
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)	3	14	8	22	2	0	0	40	13	53	52	23	75
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards	1	4	0	4	0	0	0	18	3	21	22	3	25
Export potential fruits	1	1	4	5	1	0	1	11	8	19	13	12	25
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)	2	5	4	9	1	0	1	29	11	40	35	15	50
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants	1	2	4	6	1	0	1	11	8	19	13	12	25
Propagation techniques of Ornamental Plants													
Others													
Total (c)	1	1	4	5	0	0	1	12	8	20	13	12	25
d) Plantation crops													
Production and Management technology	1	1	4	5	0	0	1	12	8	20	13	12	25
Processing and value addition													
Others													
Total (d)	1	1	4	5	0	0	1	12	8	20	13	12	25
e) Tuber crops													
Production and Management technology	1	0	8	8	0	0	0	9	8	17	9	16	25
Processing and value addition													
Others													
Total (e)	1	0	8	8	0	0	0	9	8	17	9	16	25
f) Spices													
Production and Management technology	1	1	4	5	1	0	1	11	8	19	13	12	25
Processing and value addition													
Others													
Total (f)	1	1	4	5	1	0	1	11	8	19	13	12	25
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)	**10**	**22**	**40**	**62**	**5**	**0**	**4**	**121**	**64**	**185**	**144**	**106**	**250**
III. Soil Health and Fertility Management													
Soil fertility management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development	1	1	4	5	1	0	1	11	8	19	13	12	25
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital	1	2	4	6	1	0	1	11	8	19	13	12	25
Entrepreneurial development of farmers/youths	2	4	8	12	2	0	2	22	16	38	26	24	50

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
WTO and IPR issues													
Others													
Total	5	7	16	23	4	0	4	63	38	101	71	54	125
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	22	29	56	85	9	0	8	278	183	461	309	241	550

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	0	0	0	0	0	0	16	4	20	16	4	20
Training and pruning of orchards													
Protected cultivation of vegetable crops	1	1	3	4	5	0	5	11	3	14	17	3	20
Commercial fruit production	1	0	0	0	0	0	0	15	5	20	15	5	20
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
High value vegetable	1	4	2	6	0	0	0	12	2	14	16	4	20
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition	1	0	0	0	0	0	0	3	17	20	3	17	20
Small scale processing													
Post Harvest Technology	1	0	0	0	0	0	0	0	20	20	0	20	20
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others	5	0	0	0	0	0	0	61	39	100	61	39	100

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	11	5	5	10	5	0	5	118	90	208	128	92	220

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	1	7	3	10	0		0	5	0	5	12	3	15
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology	1	8	2	10	0		0	5	0	5	13	2	15
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization	1	7	3	10	0		0	5	0	5	12	3	15
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other	3	17	4	21	3	0	3	20	1	21	40	5	45
Total	6	39	12	51	3	0	3	35	1	36	77	13	90

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems	1			0			0	17	8	25	17	8	25
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management	1			0			0	14	11	25	14	11	25
Integrated Crop Management	2			0			0	36	14	50	36	14	50
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others	1			0			0	17	8	25	17	8	25
Total	5	0	0	0	0	0	0	84	41	125	84	41	125
II. Horticulture													

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
a) Vegetable Crops													
Production of low volume and high value crops													
Off0season vegetables	2			0			0	36	14	50	36	14	50
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)	2			0			0	36	14	50	36	14	50
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													

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 (g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													

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
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics	1			0			0	14	11	25	14	11	25
Formation and Management of SHGs													
Mobilization of social capital													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	8	0	0	0	0	0	0	134	66	200	134	66	200

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0

G) Consolidated table (ON and OFF Campus)

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	0	0	0	0	0	0	19	6	25	19	6	25
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Cropping Systems	1	0	0	0	0	0	0	17	8	25	17	8	25
Crop Diversification	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro irrigation/irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	1	0	0	0	0	0	0	14	11	25	14	11	25
Integrated Crop Management	8	0	0	0	0	0	0	111	89	200	111	89	200
Soil & water conservation	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated nutrient Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Others	1	0	0	0	0	0	0	17	8	25	17	8	25

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	12	0	0	0	0	0	0	178	122	300	178	122	300
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops	1	5	4	9	1	0	0	11	5	16	15	10	25
Off0season vegetables	1	5	4	9	1	0	0	11	5	16	15	10	25
Nursery raising	1	4	0	4	0	0	0	18	3	21	22	3	25
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)	3	14	8	22	2	0	0	40	13	53	52	23	75
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards	1	4	0	4	0	0	0	18	3	21	22	3	25
Export potential fruits	1	1	4	5	1	0	1	11	8	19	13	12	25
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)	2	5	4	9	1	0	1	29	11	40	35	15	50
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants	1	2	4	6	1	0	1	11	8	19	13	12	25
Propagation techniques of Ornamental Plants													
Others													
Total (c)	1	1	4	5	0	0	1	12	8	20	13	12	25
d) Plantation crops													
Production and Management technology	1	1	4	5	0	0	1	12	8	20	13	12	25
Processing and value addition													
Others													
Total (d)	1	1	4	5	0	0	1	12	8	20	13	12	25
e) Tuber crops													
Production and Management technology	1	0	8	8	0	0	0	9	8	17	9	16	25
Processing and value addition													
Others													
Total (e)	1	0	8	8	0	0	0	9	8	17	9	16	25
f) Spices													
Production and Management technology	1	1	4	5	1	0	1	11	8	19	13	12	25
Processing and value addition													
Others													
Total (f)	1	1	4	5	1	0	1	11	8	19	13	12	25
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Post harvest technology and value addition													
Others													
Total(a-g)	**10**	**22**	**40**	**62**	**5**	**0**	**4**	**121**	**64**	**185**	**144**	**106**	**250**
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													

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
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Leadership development	1	1	4	5	1	0	1	11	8	19	13	12	25
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital	1	2	4	6	1	0	1	11	8	19	13	12	25
Entrepreneurial development of farmers/youths	2	4	8	12	2	0	2	22	16	38	26	24	50
WTO and IPR issues													
Others													
Total	5	7	16	23	4	0	4	63	38	101	71	54	125
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others													
GRAND TOTAL													

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	0	0	0	0	0	0	16	4	20	16	4	20
Training and pruning of orchards													
Protected cultivation of vegetable crops	1	1	3	4	5	0	5	11	3	14	17	3	20
Commercial fruit production	1	0	0	0	0	0	0	15	5	20	15	5	20
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
High value vegetable	1	4	2	6	0	0	0	12	2	14	16	4	20
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition	1	0	0	0	0	0	0	3	17	20	3	17	20
Small scale processing													
Post Harvest Technology	1	0	0	0	0	0	0	0	20	20	0	20	20
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													

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													
Fry and fingerling rearing													
Others	5	0	0	0	0	0	0	61	39	100	61	39	100
Total	11	5	5	10	5	0	5	118	90	208	128	92	220

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	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	1	7	3	10	0		0	5	0	5	12	1	7
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology	1	8	2	10	0		0	5	0	5	13	1	8
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	1	8	2	10	0		0	5	0	5	13	2	1
Women and Child care	0	0	0	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	1	7	3	10	0		0	5	0	5	12	3	1
Information networking among farmers	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	3	17	4	21	3	0	3	20	1	21	40	5	3
Total	7	47	14	61	3	0	3	40	1	41	90	7	47

Please furnish 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
Agronomy	Extension Functionaries	New Generation Pesticides	1 day (7/2/2024)	On Campus	12	3	15	6	1	7
Agronomy	Extension Functionaries	Nano fertilizers	1 day (6/3/2024)	On Campus	13	2	15	9	0	9
Agronomy	Extension Functionaries	Nano fertilizers	1 day (4/9/2024)	On Campus	15	0	15	8	0	8
Horticulture	Extension Functionaries	IPM in vegetables	1day	On Campus	11	4	15	7	1	8

Horticulture	Extension Functionaries	Post harvest management of horticultural crops	1day	On Campus	13	2	15	9	1	10
Agriculture Extension	Extension Functionaries	Importance of social media for extension worker	1day	On Campus	12	3	15	9	1	10
Agriculture Extension	Extension Functionaries	Formation and Management of SHGs	1day	On Campus	8	7	15	5	7	12

H) Vocational training programmes for Rural Youth

a) Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Vermi compost	Income generating activity	Vermicomposting	5 day	8	2	10	vermicompost unit	2	3	-
Vermi compost	Income generating activity	Vermicomposting	5 day	7	3	10	vermicompost unit	7	6	-
Fruit & vegetable	Income generating activity	Quality planting material production	5 day	6	4	10	Nursery	2	7	-
Vegetable &flowere	Income generating activity	Nursery management	5 day	8	2	10	Nursery	2	5	

*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	2	17	3	20	0	0	0	17	3	20	17	3	20
Commercial floriculture													
Commercial fruit production													
Commercial vegetable production													
Integrated crop management													
Organic farming													
Other													
Total													
Post harvest technology and value addition													
Value addition													
Other													
Total													
Livestock and fisheries													
Dairy farming													

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

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

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

b) Details of participation

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Crop production and management													

Increasing production and productivity of crops													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total													
Post harvest technology and value addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other													
Total													
Livestock and fisheries													
Livestock production and management													
Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security													
Economic empowerment of women													
Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													

Total													
Grant Total													

Good quality photographs of training activity:

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	5	135	15	150	95	3	1	4	138	16	154
Kisan Mela	4	Mass	Mass	Mass	-	Mass	Mass	Mass	Mass	Mass	Mass
Kisan Ghosthi	1	35	15	50	75	2	0	2	37	13	52
Exhibition	8	Mass	Mass	Mass	-	Mass	Mass	Mass	Mass	Mass	Mass
Film Show	88	417	292	709	80	6	3	9	423	295	718
Method Demonstrations	27	284	178	462	81	7	3	10	291	188	479
Farmers Seminar	5	135	35	160	70	2		2	137	35	162
Workshop	0	0	0	0	0	0	0	0	0	0	0
Group meetings	6	100	109	209	92	3	0	3	103	109	212
Lectures delivered as resource persons	27	486	95	581	79	22	5	27	393	100	593
Advisory Services	87	1103	716	1819	84	18	8	1121	724	703	1875
Scientific visit to farmers field	87	1103	716	1819	84	18	8	1121	724	703	1875
Farmers visit to KVK	241	950	626	1576	78	15	12	27	965	638	1603
Diagnostic visits	87	1103	716	1819	84	18	8	1121	724	703	1875
Exposure visits	3	176	74	250	75	12	3	15	188	77	265
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0	0
Soil health Camp	1	35	0	35	80	4	2	6	39	2	41
Animal Health Camp	4	187	75	262	80	8	0	8	195	75	270
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	4	64	11	75	70	3	0	3	67	11	78
Self Help Group Conveners meetings	2	0	50	50	46	1		1	1	50	51
Mahila Mandals Conveners meetings				0				0	0	0	0
Celebration of important days (specify)				0				0	0	0	0
Sankalp Se Siddhi				0				0	0	0	0
Swatchta Hi Sewa	1	Mass	Mass	Mass	-	Mass	Mass	Mass	Mass	Mass	Mass
Mahila Kisan Divas	1	0	50	50	70	2	1	3	2	51	53
Any Other (Celebration of important days (Parthenium Week, Akshya Tritiya, PM KIsan Day World bee day, World milk day, World water day, Kisan and Vigyan day, Vigillance awareness week, International womens day, Women in Agriculture Day,	24	Mass	Mass	Mass	-	Mass	Mass	Mass	Mass	Mass	Mass

World Food Day, , World Soil Day, OUAT foundation day, ICAR foundation day, Agri educational fair)											

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	5
Radio talks	-
TV talks	4
Popular articles	4
Extension Literature	3
Other, if any	-

Good quality photographs of Extension activity:

3.5 a. Production and supply of Technological products

Village seed

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

KVK farm

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

Good quality photographs of seed production:

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Vegetable seedlings											
Cauliflower	Snow ball, Megha, Fujiyama, White Treasure	3630	9075	10	4	60	30	2	2	70	36
Cabbage	Green gold, Hare Krishna, Rare ball	2682	6705	10	10	56	30	2	2	68	36
Tomato	Arka Rakshak	19918	49795	50	30	500	225	40	30	590	280
Brinjal	Swarna Shyamali, B-5	5160	12900	40	20	420	190	8	2	468	202
Chilli	Arka Harita	23950	59875	46	30	420	190	8	2	474	201

Onion	Arka Kalyan, Red-4	55560	8334	12	15	30	20	12	31	30	20
Knolkhol	White Vienna, Winner	2050	5125	2	2	30	40	14	11	30	40
Broccoli	Sisira	2300	5750	4	5	40	40	10	36	40	40
Capsicum	Bharat, Green gold	1100	4400	0	0	20	10	4	22	20	10
Marigold	Seracole	500	1000	0	0	20	23	12	11	32	23
Fruits											
Mango	Amrapalli, Langra, Bombay Green	576	25920	10	8	70	50	10	8	90	66
Papaya	Red lady, Pusa Nanha	1204	30100	20	10	400	200	10	10	430	220
Litchi	Muzaffarpur	230	9200	12	3	160	40	12	4	160	40
Drumstick	PKM1, ODC-3	944	14160	5	15	328	60	25	15	441	77
Total		119804	242339	173	152	2554	1148	179	186	2953	1291

Good quality photographs of planting materials:

Polyhouse

Production of vegetable seedlingd

Production of fruit saplings

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers	1353	18660	20	10	400	200	10	10	430	220
Bio-pesticide										
Bio-fungicide										
Bio-agents	3kg	1500			4				4	
Others, please specify.										
Total		13000	20	10	403	200	10	10	433	220

Good quality photographs of bio-products:

Production of vermicompost

Azolla unit

Vermicompost unit

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F

Dairy animals											
Cows											
Buffaloes											
Calves											
Others (Pl. specify)											
Small ruminants											
Sheep											
Goat											
Other, please specify											
Poultry											
Broilers											
Layers											
Duals (broiler and layer)											
Japanese Quail											
Turkey											
Emu											
Ducks											
Others (Pl. specify)											
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings											
Spawn											
Others (Pl. specify)											
Grand Total											

Good quality photographs of livestock and fisheries:

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

i) Name of Seed Hub Centre: NA

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

ii) Quality Seed Production Reports :NA

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: NA

Fund received	Expenditure (Rs. in lakhs)	Unspent balance	Remarks

(2020-21, 2021-22, 2022-23 and 2023-24)	Infrastructure	Revolving fund	(Rs. in lakhs)	
2020-21				
2021-22				
2022-23				
2023-24				

iv) Infrastructure Development: NA

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Publisher	Year of Publication and Number of Pages
Research paper	A cross sectional study on a cohort of tribal groups in the Malkangiri District of Odisha,on their knowledge, attitudes and practices about COVID-19 Yield and Economic Evaluation of Medicinal Plants in Horti silvi Agroforestry Systems Influence of Micronutrient Application on Nutrient Content, Uptake and Residual Soil Nutrient Status in Rice (Oryza sativa L.) in Western Uttar Pradesh Condition	SangramParamaguru, Kankan Kumar Biswas,Susmita panda, Rosalin Das M R Nayak,B.Sahoo, S R Das, SParamaguru and P.JMishra Mohapatra, Vivek, AkshayUjjwal, Trayambak Gurjar, Jyotiprakash Mishra, Tarini Prasad Das, SanghamitraPattnaik, SubratKumar Mahapatraand JayashankarPradhan	- The Pharma Innovation Journal Multilogic in Science International Journal ofPlant & Soil Science	The Pharma Innovation Journal 2022 SP-11(11): 1475-1482 Multilogic in Science Vol-XII, Issue XXXXIV, Oct 22 International Journal ofPlant & Soil Science Volume 35, Issue 2, Page 108-113, 2023; Article no.IJPSS.99188 ISSN: 2320-7035
Seminar/conference/ symposia papers (3 no.)	Effect of foliar application of biostimulants and pinching on growth, flowering and shelf life of African marigold (Targets Potential and importance of underutilized cucurbitaceous crop spine gourd for food and nutritional security Performance of weed	Sushree Choudhury, D. Sarangi, K. Mishra		6 th CWSS International Conference on Agricultural Innovations for Sustainable Development Goals with Special Focus on Natural Farming (AISDGONF-2023)

	management practices on growth, yield and economics of green gram (Vigna radiata (L.) Wilczek Evaluation of performance of cowpea varities for sustainable vegetable production in Gajapati District of Odisha	Sushree Choudhury Sangram Paramaguru		International conference On BuildingSmall Holder ClimateResilience for Achieving Sustainable Food System
Book	Climate Smart Agriculture for Sustainable Tomorrow	Sangram Paramaguru, Ajaya Kumar Prusty,Suvalaxmi Palei and Vineeta Chandra	International Books and Periodicals Supply Service	2024 254 pages
News letter(4 no.)	Sabujagiri (January –March 2024) Sabujagiri (April- June 2024) Sabujagiri (July-Sept 2024) Sabujagiri (Oct-Dec. 2024)	Dr. Sangram Paramaguru, Dr Sushree Choudhury, Dr Sanjib Kumar Mandi, Mr Jayashankar Pradhan,	OUAT Publication No 2024030222 OUAT Publication No 2024080297 OUAT Publication No. 2025010416	2000
Popular Articles(3No.)	Labhajanaka Masala Chasa Golamaricha Jibika Arjana Nimenta Mahumachhi Chasa Baigyanika Pranalire Surymukhi Chasa	Dr. SangramParamaguru, Dr Sushree Choudhury, Dr Sanjib Kumar Mandi, Mr Jaya Shankar Pradhan	OUAT Publication No 2024030253 OUAT Publication No 2024030254 OUAT Publication No 2024030255	500 500 500
Booklet(3 No.)	Unnata pranalire gladiolus phula chasa Maka phasala re roga poka parichalana Pustikara surakhya painni poshan bagicha	Dr. SangramParamaguru, Dr Sushree Choudhury, Dr Sanjib Kumar Mandi, Mr Jayashankar Pradhan, Mr JanuariusKujur	OUAT Publication No 2024120393 OUAT Publication No 2024120394 OUAT Publication No 2024120395	500 500 500
Technical reports				
Electronic Publication (CD/DVD etc.)				
TOTAL				

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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Resdiential Training cum Exposure Visit programme for Master Trainers on Natural Farming	Training for Master Trainers on Natural Farming at EEI, Anand, Gujurat	Dr Sanjib Kumar Mandi Subject Matter Specialist(Agronomy)	18th to 22nd March 2024	MANAGE, Hyderabad
2.	Refresher Training	Climate resilient practices for horticultural crops	Dr Sushree Choudhury Scientist (Horticulture)	6th -7th March 2024	DEE, OUAT, BHUBANESWAR
3.	Refresher Training	Recent advances in Fruit production	Dr Sushree Choudhury Scientist (Horticulture	17th -18th Dec.2024	College of Horticulture, Chipilima, OUAT
4.	Refresher Training	Live Stock Husbandary: A promising avenue for livelihood enhancment	Dr Sushree Choudhury Scientist (Horticulture	6th- 8th November 2024	College of Veterinary Science, OUAT, BHUBANESWAR
5.	Management Development Programme	Management Development Programme	Dr Sangram Paramaguru Senior Scientist & Head	24th June -8th July 2024	ICAR=NAARM, HYDERABAD
6.	Exposure VisitProgramme	Exposure Visit to IGKV, Raipur	Dr Sushree Choudhury Scientist (Horticulture	22nd-23rd March 2024	IGKV, Raipur

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

SUCCESS STORY

Name of Farmer- Jakub Gamango

Village- Tai, GP- Dabaraguda, Block- R.Udayagiri, District : Gajapati

BPL card holder

7 member in the family

Land holding – 4acre

Introduction:

Sri Jakub Gamango a small farmer of village Tai G.P- Dabaraguda Block-R.Udayagiri. is heading a 7 member family. He owns 4 acre of land in which he usually cultivate rice, ragi and maize in Kharif season and having half acre of cashew plants in upland . He was producing maize given by Sahukar along with all the inputs from which he was earning very low profit. In rabi season he cultivate greengram in 2 acres of land. . Due to lack of knowledge and poor resources he was unable to cultivate the rest of land and kept his land fellow during the Rabi season. From all this he gets only Rs 56850 and face many difficulties to manage his family and started going as migrant labour to outside Odisha.

KVK intervention:

KVK, Gajapati conducted training programme on scientific production technology of cereals, pulses, oilseeds , vegetables and fruit production to train the farmer in villages . Sri Jakub Gamango has been identified as a hard working and adoptive farmer during the training programme. After getting training from KVK he has been motivated to change the cropping pattern and cultivate rice ,maize and ragi during Kharif and green gram in 1acre land and sunflower in 1 acre land along with vegetable in small patch of land in rabi season.

During different OFT and FLD programme he has been provided with high value vegetable (Broccoli, Cauliflower, Tomato, Brinjal, Onion) seedlings , seeds of Sunflower var. KBSH-53 and other inputs and described the improved package and practices of sunflower cultivation. Cultivation of Sunflower var. KBSH-53 @ 2 kg/ac, installation of yellow sticky trap @ 4 /ac, Nano Urea @ 800 ml/ac, *Tichogrammachilonis* card @ 1.72 /ac, Emamectin Benzoate 5% SG @ 80g/ac, Propiconazole 25% EC@ 200ml/ac, Boron (20% B) @ 200g/ac and NAA @ 100 ml/ac, Zinc Sulphate @ 2 kg/ac and Neem Oil 1500 ppm @ 520 ml/ac. He also described the crop management practices for cashewnut plants.

Output- Profit-Share Analysis:

crop	area	Gross cost (Rs.)	Gross return (Rs.)	Net return (Rs.)
Hyb. Maize	1 acre	18000	38616	20616
Ragi	1 acre	9000	21306	12306
Rice	1 acre	13000	27676	14676
Sunflower	1 acre	15,880	34,560	18,680
Vegetable	0.2 acre	10000	38000	28000
Cashew nut	0.5 acre	5000	35840	30840
Total		**70880**	**187998**	**125118**

Outcome:

Gain in Knowledge	Before	After
Technology: Improved cultivation techniques of different crops	No technical knowledge	higher level of knowledge gained
Skill: Use of Sunflower var. . KBSH-53 @ 2 kg/ac, Seed treatment with fungicide, installation of yellow sticky trap @ 4 /ac, application of Nano Urea @ 800 ml/ac, use of *Tichogrammachilonis* card, Boron (20% B) @ 200g/ac, Zinc Sulphate @ 2 kg/ac and Neem Oil 1500 ppm @ 520 ml/ac	Low level of skill for unflower cultivation	Skill developed upto moderate level
Role in technology dissemination	Very low	Self motivated and in guidance with KVK
Involvement of women farmers	Shy and hiding nature	Skill developed and better oriented towards participation in capacity building programmes organized by KVK

Impact:

As a small tribal farmer Sri Jakub Gamango became a role model for all the other farmers of Tai and nearby villages of R.Udayagiri block. By adopting improved cultivation practices like HYVs, seed treatment, disease pest management , nutrient management in vegetable etc. his annual income raise from Rs 56850 to Rs 125118 **.**By seeing his field other farmers also interest to cultivate by adopting improved management practices

Good Quality Photographs:

Vegetable cultivation	Sunflower cultivation
Weed Management in maize	Mulching in brinjal
Improved Ragi Variety cultivation	Cultivation of rice var. Kalinga Dhan 1205

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
	Demonstration on yard long bean variety in single line trellis system using bamboo and wire	Mr. Jaganath Raita Viil: Tikamala Block: R.Udayagiri District: Gajapati	Farmers facing low profit due to high cost as practice of growing bean on bamboo staking as the bamboos become rotten after one year. the trellis system developed by using plastic thread which is durable and cost effective and also the crops get more air and light and better vegetative growth and the fruit yield increase. The productivity as well as income of the beneficiary was increased by adopting growing of yard long bean variety in single line trellis system

Good Quality Photographs

Trellis line with bamboo and rope	Harvesting of yard long bean

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	Enterprise	Cleaning of ragi in Natural wind with KULA	Use of Mechanical Ragi winnower cum cleaner
2	Crop (Rakia beans)	Use of unmanaged Trellising structure	Use of line trellising with plastic net
3	Tamarind	Drying of Tamarind under sun and Manual deseeding	Use of solar dryer and use of Tamarind seed deseeder
4	Crop (Mahua)	Breaking of Mahua seeds manually	Use of Mahua Seed decorticator

Good Quality Photographs

Use of unmanaged Trellising structure	Use of line trellising with plastic net

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	Ragi	30	7000 kg	30	Y
2	Aromatic rice	40		50	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	Use of power point presentation for theory and hands on practice for practical and demonstration activities	For gaining detailed knowledge on a technology and make the topic more interested and easily understandable

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

Sl. No	Name of the Equipment	Qty.
1.	Flame Photometer With Pc Software	1
2.	Electronic Precision Balance	1
3.	Electronic Precision Balance	1
4.	Refrigerated Centrifuge	1
5.	Physical Balance	1
6.	Hydrometer	1
7.	Thermometer	1
8.	Horizontal Rotary Shaker	1
9.	Hot Air Oven Digital	1
10.	Distilled Water Unit	1
11.	Ph Meter Micro Controller Based	1
12.	Ec Meter	1
13.	Mechanical Stirrer	1
14.	Magnetic Stirrer with Hot Plate	1
15.	Soil Moisture Meter	1
16.	Kel Plus Automatic Nitrogen Estimation System	1
17.	Kel Plus Automatic Scrubber System	1
18.	Kel Plus Automatic Distillation System	1
19.	Titration System	1
20.	Mridaparikshak	2

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (inRs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
48		48	154	9	-

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	Farmers Scientist interaction	100	1	Sri Bijay Kumar Dash, IAS, (Collector of Gajapati District)	50	50

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
3	Demonstration of cowpea under drip irrigation system	Mass	40	8

3.13. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Distribution of Seedlings	4	100	Cabbage, Cauliflower, Broccoli, Brinjal, Tomato, Capsicum, Mango grafts, Litchi graft, Papaya
Visit of Demo unit	10	55	Cultivation of vegetables I trellis system Protected cultivation of vegetable using drip and polymulching Nursery raising of vegetables Vermicompost production Marigold cultivation Capsicum cultivation Azolla cultivation Backyard poultry rearing Mango and Litchi graft production unit NADEP Compost Pit
Distribution of Literature	8	120	News Letter, Booklets

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

No of student trained	No of days stayed
50 (Students of School of Agriclture, Centurian University)	1
21(Students of OUAT)	1

ARS trainees trained	No of days stayed
NA	NA

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**
22.02.2024	Dr P.Sial,ADR ,RRTTS, Semiliguda	Official Visit
19.4.2024	Vuningoma Faustin, Coodinator HELP CHILD,Uganda	Official Visit
3.9.2024	Bijaya Kumar Dash, Collector, Gajapati	To discuss about KVK activities
21.10.2024	Mr. Suresh Kumar Pattnaik, PD, Watershed Gajapati	Official visit for scientific bee keeping training
21.10.2024	Dr. SusantaRanjan Dash, DDH Gajapati	Official visit for scientific bee keeping training
10.11.2024	Dasarathi Gomango, MLA, Mohana	Official Visit
18.12.2024	Dr. P..K..Mohanty Deputy Director Extension UEBP,DEE, OUAT, Bhubaneswar	Official visit for attending 20th SAC meeting
18.12.2024	Dr Sujit Nath, Senio Scientist and Head , KVK GanjamII	Official visit for attending 20th SAC meeting
19.12.2024	Dr. Gyanaloka Das ADR, RRTTS, G.Udayagiri	Official visit

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)
Weed Management in maize	20	100	36319/-	56473/-

Integrated Nutrient Management in Sesame	15	100	13013/-	24320/-
Cultivation of Sunflower var. KBSH-53 with improved package of practices	75	100	32661	43888
Rice var. CRDhan-310	15	100	27610/-	36690/-
Use of Herbicides for Weed Control in Groundnut in rabi	30	90	53854/-	85188/-
Ragi variety-Arjuna	20	100	15230/-	30827/-
Cultivation of yard long bean Arkamangala for tolerance to YMV	20	100	49783/-	905010/-
Polythene mulching in chilli for higher yield and profitability	10	100	45600/-	73150

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
Rice var. CR Dhan 311	10 ha
Rice var. CR Dhan 310	10 ha
Small farm mechanization	150 number
pigeon pea variety LRG 52	140 ha
Groundnut variety Dharani	220 ha
Sun flower variety KBSH-53	120 ha
Maize variety-Kalinga Raj	10 ha

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	Demonstration of Improved crop verities	Enhancement in crop yield	Increase in farmers' income
2	Soil Test based fertilizer application and INM	Improvement in production and soil health	Sustainability of crop production and soil health
3	Demonstration on chemical weed management	Limit the farm labour use	Increase the farmers income
4	Training and Demonstration on scientific crop management practices	Enhancement of yield and quality of produce	Increase in famers' income and sustainability
5	Training and demonstration on farm mechanization	Precision use of inputs and increase in net return	Reduction of cost of cultivation, drudgery reduction, Maintaining Gender equality, Timely farm operation

.4. Details of innovations recorded by the KVK

Sl. No.	Name/ Title of the technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology
	Demonstration on yard long bean variety in single line trellis system using maize stalk and rope	Jaganath Raita Viil: Tikamala Block: R.Udayagiri District: Gajapati	Farmers facing low profit due to high cost as practice of growing bean on bamboo staking as the bamboos become rotten after one year. The trellis system developed by using maize stalk and rope which is durable and cost effective and also the crops get more air and light and better vegetative growth and the fruit yield increase. The productivity as well as income of the

			beneficiary was increased by adopting growing of yard long bean variety in single line trellis system

Thematic area	Crop management
Name of the Innovation	Single line trellis using maize stalk and rope
Details of Innovator	Jaganath Raita, Viil: Tikamala, Block: R.Udayagiri District: Gajapati
Back ground of innovation	Sri Jaganath Raita , a small farmer of village Tikamalais heading a 5 member family. He owns 2 acre of land in which he usually cultivate rice, ragi and maize in Kharif season .He was producing maize given by Sahukar along with all the inputs from which he was earning very low profit. In rabi season he cultivate bean,cowpea, cauliflower,tomato in this land . Due to lack of knowledge he left the maize stalks in the field and burnt. The he utilize to grow bean on these maize stalks by making trellis with rope.
Technology details	The trellis system developed by using maize stalk and rope which is durable and cost effective and also the bean crops get more air and light and better vegetative growth with more number of flower andyield increase.
Practical utility of innovation	After harvest of cob maize stalks are used for growth of bean ,cowpea .This is cost effective as well as enhance productivitty

44.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Bee keeping
Name & complete address of the entrepreneur	Mr. Dayanidhi Karjee Address: (At/Po/Block/Dist/PIN): At- Dihudisahi,, GP- Mangarajpur, Block- R.Udayagiri, District- Gajapati
Role of KVK with quantitative data support:	KVK, Gajapati helps in enhancing the knowledge of farmer by training and technical support
Timeline of the entrepreneurship development	4 to 5 year
Technical Components of the Enterprise	

Crop	Technology intervention	Season	Area (Ha)
Sweet corn	Packages of practices	*Kharif + Rabi*	0.4
Vegetables	Packages of practices	*Kharif + Rabi*	0.2
Bee Keeping	Training, Demonstration & Exposure visit	Round the year	-
Cashewnut	Packages of practices	*Kharif + Rabi*	0.4
Rce	Packages of practices	*Kharif + Rabi*	0.4

Status of entrepreneur before and after the enterprise	Before-he earned an income of Rs. 59,000/but after adopting the enterprise he earned an income of - Rs. 1,08540/- and there is an Increase of income upto 176%
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Improved cultivation practices, Scientific Bee Keeping, cultivation of flowering plants, dev. of honey extractor, Bee box making , technology dissemination
Horizontal spread of enterprise	Six other farmers of the village and farmers of nearby four villages have adopted scientific bee keeping after availing training from KVK following the footsteps of Mr. Dayanidhi Karjee

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-IIWM, Bhubaneswar	Conducting Training Programme, Demonstration and supply of good quality planting material

ATMA, Gajapati & others line departments	Monthly RE Linkage meeting, Diagnostic field visit,
Horticulture Department	Planting material certification, Diagnostic field visit Resource person in various demonstration and training programme
Agriculture Department	Diagnostic field visit, Resource person in various demonstration and training programme
Department of Animal Husbandry	Diagnostic field visit, Resource person in various demonstration, Animal health camp and training programme
AICRPS	Collaborative Training and demonstration

5.2. List of special programmes undertaken during 2024by 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 :NA

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Poly house	2010	100	Vegetable Seedlings and sapling	Planting Material	1474210	-	105511	Renovation of the structure should be required
2	Poultry Unit	2010	20	Vanaraj, Kadaknath, Rainbow rooster	Poultry bird and egg	2.5 kg Bird 410 egg	-	5120	Needs more nfrastructure for extension
3	Grafting unit	2007	200	Bombay green, Amrapali, Lengda, Daseri, Mallika	Mango and Litchi	240	-	9600	Need fund for orchard cleaning and management
4.	Vermicompost unit	2010	30	*Eieseniafoetida*	Vermi compost	800kg	-	12000	
5.	Vermicompost unit	2010	30	-	Vermi worm	2kg	-	1000	
	Total							133231	

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Mango	-	-	8 ha	Langada, Bombay Green, Amrapalli, Mallika	Fruit	3.8	-	4560	
Litchi	-	-	0.4	Muzaffarpur	Fruit	1.4	-	5600	
Guava	-	-	0.01	VNR Bihi	Fruit	0.5		5000	

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.	vermicompost	1353kg		18660	
2.	vermin	3kg		1500	

6.4. Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.							
2.	Poultry	Vanaraj	Meat	2.5 kg	-	875	
3.	Poultry	Kadaknath	Egg	200	-	2000	

6.5. Utilization of hostel facilities

Accommodation available (No. of beds) : 15

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
November	25	7	
November	25	7	
December	25	7	
Total :	75	21	

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed: Construction work Not yet started

No. of staff quarters:

Date of completion:

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current –Flexi	State Bank of India	R.Udayagiri	11570672119
Current –Flexi	State Bank of India	R.Udayagiri	39333724711
Current –Flexi	State Bank of India	R.Udayagiri	30450420961
Saving	State Bank of India	R.Udayagiri	41542787186
Saving	State Bank of India	R.Udayagiri	42677690445
Saving	State Bank of India	R.Udayagiri	42227118833

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

Item	Released by ICAR		Expenditure		Unspent balance as on
	Kharif	Rabi	Kharif	Rabi	
Sesame		50000		50000	Nil
Sunflower		120000		120000	Nil

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2024
	Kharif	Rabi	Kharif	Rabi	
Pigeon pea	167400		270000		-102600

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	-	7452000	7452000
2	Traveling allowances	150000	112500	112500
3	HRD	30000	22500	14000
4	Contingencies			
A	POL & Vehicle Maintenance		432500	432500
B	Office stationary	240000		
C	Meals & Refreshment for resident and non-resident training			
D	Training Material	180000		
E	Frontline demonstration	90000		
F	On farm Testing	90000		
G	TSP	1500000	1127000	100000
H				
I				
J	Swachhta Expenditure	16000	16000	16000
TOTAL (A)		2296000	9162500	9027000
B. Non-Recurring Contingencies				
1	Library	10000	10000	10000
2				
3				
4				
TOTAL (B)		10000	10000	10000
C. REVOLVING FUND		-	-	
GRAND TOTAL (A+B+C)		2306000	9172500	9037000

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2019-20	3,74,608/-	66,908/-	2,25,013/-	2,09,553/-
2020-21	2,09,553/-	4,15,542/-	1,84,008/-	1,84,089/-
2021-22	1,84,089/-	3,62,953/-	1,26,307/-	5,73,977/-
2022-23	5,73,977/-	1,78,372/-	1,23,431/-	7,47,694/-
2023-24	7,47,694/-	4,92,970/-	1,45,581/-	10,95,083/-
2024-25	10,95,083/-	-	-	-

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:
(iii) Details of marketing channels created for the SHGs: SHGs procure the raw millets, and prepare different product like millet flour, millet cookies, millet mixture and marketed in different local haats and also participated in different exhibitions with in district to sell their products

7.7. Joint activity carried out with line departments and ATMA

Name of activity	**Number of activity**	**Season**	**With line department**	**With ATMA**	**With both**
Turmeric seed verification	3	Summer 2024	with horticulture department	-	
Pineapple sucker verification	3	Kharif 2024	with horticulture department		
Potato seed verification	4	Rabi2024	with horticulture department		
Field visit on insect pest surveillance	3	Kharif 2024	with horticulture department	With ATMA	With both
Field visit of wild rice infestation in paddy field	1	Kharif 2024		With ATMA	

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)
Fall Armyworm	Maize	25th August to 15th September	2000 ha	5%	Spraying of Emamectin Benzoate 5% SG @ 4gm/10 litre

8.2. Prevalent diseases in Livestock/Fishery: NA

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

9.1. Nehru Yuva Kendra(NYK) Training:NA

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

9.2. PPV & FR Sensitization training Programme: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	38	16225
Livestock		
Fishery		
Weather		
Marketing		
Awareness	15	16225
Training information		
Other		
Total	53	16225

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	14059
2.	No. of farmers registered in the portal	1402
3.	Mobile Apps developed by KVK	0
4.	Name of the App	0
5.	Language of the App	0
6.	Meant for crop/ livestock/ fishery/ others	0
7.	No. of times downloaded	0

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
17.09.2024	Swachhata Pledge
17.09.2024	Tree Plantation –Ek Ped Maa Ke Naam
18.09.2024	Cleaning of temple at Village Kanchimula
19.09.2024	Engagement with School Children (Essay, Painting and Debate Competition) of Govt. High School, R.Udayagiri
20.09.2024	Best out of waste (Reuse of old plastic water bottles) at KVK, Gajapati
21.09.2024	Kitchen Garden Development with Tree Plantation programme with School Children in Govt. High School, R.Udayagiri
22.09.2024	Mega cleanliness Drives
23.09.2024	Cleaning of Religious Places in village Kanchimula
26.09.2024	Awareness and cleaning drive with Farmers
27.09.2024	Cleaning drive in village at village Karadapankal
30.09.2024	Cleaning of Road sides of town and collecting plastics
02.10.2024	Celebration of Swachh Bharat Divas
8.10.2024	Cleaning of office premises and awareness about use of vermicompost
14.10.2024	Record management practice
18.10.2024	Cleaning of office premices for proper use of office space
24.10.2024	Reviewing of old files and records
29.10.2024	Swachhta Awareness campaign

2.11.2024	Cleaning of demo units
21.11.2024	Cleaning of office premices
22.11.2024	Cleaning of demo units
13.11.2024	Awareness on use of farm waste and compost preparation. Natural farming
02.12.2024	Promote Natural farming, Planting more trees
17.12.2024	Cleaning of village premises, roads and awareness on less use of chemical fertilizer and more use of compost
24.12.2024	Cleaning of demo units, office premises

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	-	-
2. Basic maintenance	3	--
3. Sanitation and SBM	12	--
4. Cleaning and beautification of surrounding areas	8	-
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	2	-
6. Used water for agriculture/ horticulture application	1	-
7. Swachhta Awareness at local level	5	-
8. Swachhta Workshops	4	-
9. Swachhta Pledge	2	-
10. Display and Banner	15	2640
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)	3	-
14. No of Staff members involved in the activities	11	-
15. No of VIP/VVIPs involved in the activities	4	-
16. Any other specific activity (in details) Cleaning of Village	Mass	-
Total		

9.6. Observation of National Science day

Date of Observation	Activities undertaken
28.02.2024	National Science day is observed on **February 28th every year** to pay tribute to Bharat Ratna Dr. C.V. Raman for his discovery of "Raman Effect" **Objective of National science day**

	• This day is celebrated to spread the message about the significance of science and how it improves the daily lives of the common folk. • To foster and encourage interest in science and technology **Topic Discussed.** • Discuss on theme Integrated Approach in Science and Technology for a Sustainable Future. • Discuss with farmers how science change in their life and way of cultivation.

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
Govt Girls High school R Udayagiri	4.7.2024	Plantation of tree and its benefit	Laptop, white board, Marker
Govt Girls High school R Udayagiri	2.10.2024	Swachatta Diwas	Broom, Dust bin cleaning equipment,

Give good quality 1-2 photograph(s)

Ek pad ma ke nam

Swachatta hi Seva

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

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

Please provide good quality photographs:

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

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Cleaning of office premises	2	36	-	-
2	Cleaning of road sides and collection of plastic wastes	2	25	-	-

3	Cleaning of school campus and create awareness among students	1	35	-	-

Please provide good quality photographs:

Cleaning of office premises	Cleaning of road side of R,Udayagiri town
Cleaning of office rooms	Cleaning of office premises
Competition among school children	Tree Plantation programme among school children
Celebration of Swachh Bharat Divas	Village Cleaning Programme

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)
	Celebration of Mahila Kisan Diwas	6	75		

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. Dambaru Sabar	AT- Dhimirijholi, GP- Dhadiamba, Block- Mohana, District- Gajapati	Mushroom Cultivation
2	Mr Manoj Raika	At: Atar sing, Block : Nuagada District- Gajapati	Poultry Farming
3	Mr Dayanidhi Karjee	At: Dihudi sahi, Block RUdayagiri	Honey bee rearing

9.13. Revenue generation

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

9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
21.4.2021	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	KVK, Gajapati	Contingency crop planning for deficient rainfall situation, IDM, IPM	04	400 farmers through WhatsApp groups and 20230 farmers through SMS.	Diagnostic field visit, Review meeting in view of deficient rainfall in kharif 2024

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 2024-25

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.	43	33	900	830
	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.	5	5	100	100
3	**Front Line Demonstrations (FLDs) and other demonstrations**		No.	9	7	100	80
4	**Awareness camps, exposure visits etc.**		No.	20	20	500	500
5	**Input Distribution**						
	5.1	Seeds (Field Crops)	Tonnes	0.066	0.066	20	20
	5.2	Seeds (High Value Crops, spices etc.)	kg	NA	NA	NA	NA
	5.3	Seeds (Root & Tuber Crops)	tonnes	NA	NA	NA	NA
	5.4	Nursery plants	No.	150000	149065	1000	975
	5.5	Cutting , slips, suckers, etc	No.	NA	NA	NA	NA
	5.6	Mushroom Spawns/ Bio-Fertilizers (in Packets)	Packets	NA	NA	NA	NA
	5.7	Honey Bee Colonies	No.	NA	NA	NA	NA

	5.8	Animals-large (Cattle/ Buffalo/ camel/horse/donkey/Mithun/Yak etc.)	No.	NA	NA	NA	NA
	5.9	Animals-small (pig, sheep, goat etc.)	No.	NA	NA	NA	NA
	5.1	Poultry chicks / duckling etc	No.				
	5.11	Fish Spawns/ fingerlings	No.				
	5.12	Small equipment's (uptoRs 2000)	No.	400	430	350	356
	5.13	Medium Equipment's/ machinery (uptoRs 25000)	No.	40	40	40	40
	5.14	Large Equipment's / machinery (>Rs. 25000)	No.				
	5.15	Infrastructure / Civil Works/ Ponds etc	No.				
	5.16	Setting up plant nursery/ seed farm/ hatchery	No.				
	5.17	Land development/ Reclamation / Conservation	hectares				
	5.18	Fertilizers (NPK)/ Secondary fertilizers	tonnes				
	5.19	Micro nutrients	tonnes				
	5.2	FYM/ Vermicompost	tonnes	8quintal	8 quintal	80	90
	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	0.3	0.3	12	12
	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.	2	2	50	50
	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.	72	72	360	360
	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.	4000	4500	800	925
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	Awareness programme on Natural Farming)	No.	76	76	9000	10055

b. Fund received under TSP in 2024-25 (Rs. In lakh): 11.27

12. Details of DAPSC/ SCSP

a. Achievements of physical output under SCSP during 2023

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/ Skill Development etc.)**		No.				
	1.1	1-3 days	No.				
	1.2	4-10 days	No.				
	1.3	2-4 weeks	No.				
	1.4	More than 4 weeks	No.				
2	**On Farm Trials (OFTs)**		No.				
3	**Front Line Demonstrations (FLDs) and other demonstrations**		No.				
4	**Awareness camps, exposure visits etc.**		No.				
5	**Input Distribution**						
	5.1	Seeds (Field Crops)	Tonnes				
	5.2	Seeds (High Value Crops, spices etc.)	kg				
	5.3	Seeds (Root & Tuber Crops)	tonnes				
	5.4	Nursery plants	No.				
	5.5	Cutting , slips, suckers, etc	No.				
	5.6	Mushroom Spawns/ Bio-Fertilizers (in Packets)	Packets				
	5.7	Honey Bee Colonies	No.				
	5.8	Animals-large (Cattle/ Buffalo/ camel/horse/donkey/Mithun/Yak etc.)	No.				
	5.9	Animals-small (pig, sheep, goat etc.)	No.				
	5.1	Poultry chicks / duckling etc	No.				
	5.11	Fish Spawns/ fingerlings	No.				
	5.12	Small equipment's (uptoRs 2000)	No.				
	5.13	Medium Equipment's/ machinery (uptoRs 25000)	No.				

	5.14	Large Equipment's / machinery (>Rs. 25000)	No.				
	5.15	Infrastructure / Civil Works/ Ponds etc	No.				
	5.16	Setting up plant nursery/ seed farm/ hatchery	No.				
	5.17	Land development/ Reclamation / Conservation	hectares				
	5.18	Fertilizers (NPK)/ Secondary fertilizers	tonnes				
	5.19	Micro nutrients	tonnes				
	5.2	FYM/ Vermicompost	tonnes				
	5.21	Soil amendments (Gypsum, lime etc.)	tonnes				
	5.22	Plant protection chemicals	kg				
	5.23	Plant growth Promoter	kg				
	5.24	Animal Feed	tonnes				
	5.25	Animal Fodder	tonnes				
	5.26	Animal medicines	doses				
	5.27	Any other (Liquid PSB etc.)	Litre				
6	**Services/Facilitation**						
	6.1	Animal Health Camps	No.				
	6.2	Artificial Insemination / Vaccination	No.				
	6.3	Veterinary Services (Hospitalization, on-site treatment, PD, surgery etc)	No.				
	6.4	Testing samples of Soil, plant, water, feed, fodder and livestock	No.				
	6.5	Promotion of agri-entrepreneurship	No.				
	6.6	Promotion of IFS, IOFS, Natural Farming, Nutrigarden, kitchen garden, orchards etc	No.				
	6.7	Creation of market links of farm produces	No.				
	6.8	Use of Institute Facilities (Processing etc.) (in Hours)	Hours				
	6.9	Subsidies/ Assistance (50% of Project cost, Max. Rs 10,000/beneficiary)	No.				
7	Distribution of Literature		No.				
8	Employment generation for livelihood		(Man-months)				
9	Fellowship, Stipends or Scholarship		No.				
10	Area oriented R&D Activity (project addressing the problems of agri. Sector faced by the SC/STs and benefit directly, which is measurable and identifiable		No. of projects				
11	Monitoring & Evaluation of DAPSC/ST (upto 3%)						
12	Any other (specify)						

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

13.Progress report of NICRA KVK (Technology Demonstration component) during the period

(Applicable for KVKs identified under NICRA): NA

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted									Remarks
		SC		ST		Other		Total			
		M	F	M	F	M	F	M	F	T	

Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	

Capacity building

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

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:NA

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

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

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

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

17. Integrated Farming System (IFS)

Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1	Horticulture based IFS	1 acre	a.Production of planting material vegetable and fruits=200000 per annum b. Vegetables production: 80 quintals per annum c.Vermi compost production=10 quintals per annum	a) 60000 b) 40000 c) 7000	a) 150000 b) 100000 c) 15000	10	7

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 technolo	One high resolution 'Photo' in 'jpg' format for each technology

				gy in the district	
1	1	**Demonstration of Integrated Nutrient Management in Sesame**	The productivity as well as income of the beneficiaries was increased by adopting the technology Application of 30-15-15 kg N, P2O5, K2O/ha + ZnSO4 @ 25 kg/ha + Borax @10 kg/ha + Azotobacter seed inoculation Net Return **24,320**	10	

19. Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service: NA

	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 15.03.2024)					
II (up-to 24.04.2024)					
Total					

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

Date of Visit	Name of VIP	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)
03.09.2024	Sri Bijaya Kumar Dash	Collector cum District Magistrate GAJAPATI.	• Discussion regarding current ongoing programmes • Visited the instructional Farm • Instructed the line department to provide as much support to KVK
04.09.2024	Mr Maheswar Sahoo	Kisan Morcha President, Odisha	• Programme on Ek Ped Maa Ke Naam • Benefits of tree Plantation
13.12.2024	Mr Dasarathi Gomago	MLA,Mohana Constituency	• Discussion on KVK Programme • How to enrich the farmers to cultivate in scientific way

21. a) Information on ASCI Skill Development Training Programme, if undertaken during 2023

Name of the Job role	Name of the certified Trainer of	Date of start of training	Date of completion of training	No. of participants						Whether uploaded to SIP	Fund utilized for
				SC		ST		Other			
				M	F	M	F	M	F		

	KVK for the Job role									Portal (Y/N)	the training (Rs.)

(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 2023: NA

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

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

Demonstration of Integrated Nutrient Management in Sesame	Demonstration of High Protein Rice Variety CR Dhan 310	Demonstration on Polythene mulching in chilli
Assessment of Medium Duration Rice Varieties under Ranifed Condition	Assessment of Little Millet Varieties	Seed distribution of Sesame under CFLD on oilseeds programme

Assessment of ICM practices on flowering and fruit yield of pineapple	Cultivation of Sunflower var. KBSH-53	Seedling production under poly house of KVK
Visit of Students of Centurian university	Cleaning of office premises	Ek Ped Maa Ke Naam Programme
Distribution of inputs under CFLD	World soil day	Distribution of seedling under TSP

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