ANNUAL PROGRESS REPORT

January 2022 to December 2022

KVK, GAJAPATI, ODISHA

PROFORMA FOR ANNUAL REPORT 2022 (January-December 2022)

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		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		registrarouat@gmail.com

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

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

1.4. Year of sanction of KVK: 2005

1.5. Staff Position (**as on 1st January, 2023**)

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-24170	17.5.2018	Permanent	Others
2	Subject Matter Specialist	Mr. Sanjib Kumar Mandi	Subject Matter Specialist	Agronomy	56100-177500 Basic-63100	20.08.2018	Permanent	ST
3	Subject Matter Specialist	Vacant						
4	Subject Matter Specialist	Vacant						
5	Subject Matter Specialist	Vacant						
6	Subject Matter Specialist	Vacant						
7	Subject Matter Specialist	Vacant						
8	Programme Assistant	Vacant						
9	Computer Programmer	Mr Manoj Kumar Sahu	Programme Assistant	Computer	35400-112400 Basic- 55200	27.01.2006	Permanent	Others
10	Farm Manager	Vacant						
11	Accountant / Superintendent	Vacant						
12	Stenographer	Vacant						
13.	Driver	Mr. Sampada Kumar Sethi	Driver cum Mechanic	-	19900-63200 Basic-28400	01.08.2007	Permanent	SC
14.	Driver	Mr. Ranjan Kumar Pattnaik	Driver cum Mechanic	-	19900-63200 Basic-26800	01.03.2011	Permanent	Others
15.	Supporting staff	Mr. Rama Chandra Behera	Peon cum watchman	-	16600-52400 Basic-22900	31.07.2008	Permanent	SC
16.	Supporting staff	Mr. Prakash Chandra Sethy	Peon cum watchman	-	4750-14680 GP-1700 Basic-5780	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	58599	Good Condition
Tractor	2023	750000	0 hrs	Newly Purchases
Motor Cycle	2010	49000	54000	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.	20.12.2022	23	Integrated Farming System may be popularized in convergence with line departments	IFS is promoted in various training programmes along with line departments to increase the income and better utilization of available resources of the farmers. No. of Farmers Benefited-50 Village- 6 (Nuagada, Jang Jang, Sauri, Luhangar, Karadasing, Rayagada)	
			One District One Product may be popularized (ODOP) - Pineapple Cultivation	Promoting pineapple cultivation and value addition through various training cum awareness programmes. No. of Farmers Benefited-75 Village- 4 (Subalada, Kurkur, Dihudisahi, Alama)	
			Training and demonstration of small poultry unit through SHG	Demonstrations and Training programme on small poultry has been conducted No. of Farmers - 25 Village- 10 (Attarsing, Rageijhuli, K. Jharsing, Manikpur, Nuagada, Jung Jung, P.Antarali, Badapada, Leoba)	

			Popularization of millet based intercropping system for nutritional security of tribal population.	Training Programme on Intercropping of Ragi + Pigeon pea (8:2) was conducted and Demonstration will be conducted in Kharif 2023 No. of Farmers -25 Village- 1 (Punjasargi)	
			Demonstration of mulches and micro-irrigation systems may be introduced in vegetable crops	Demonstration of mulches and micro-irrigation is maintained in KVK Demo units for Dissemination of technology among the farmers. Area-0.01 ha No. of Farmers Visited-125	
			Awareness and training programme on organic fertilizer may be undertaken	Awareness programme on Organic fertilizer was undertaken. No. of Farmers - 475 Village- 9 (Kankandaguda, Phatachanchada, Atarsing, Tuman, R.Udayagiri, Sinising, Lubursing, Rumunda, Ghodakana)	
			Demonstration on use of drudgery reduction implements	On Farm Trial on wet land power weeder in Paddy, Demonstration on single row vegetable transplanter, maize sheller and use of power weeder in maize, OUAT ragi thresher cum pearler has been conducted and small farm tools like maize sheller, knapsack sprayer, improved sickle, Cycle weeder, Rose cane, Hand Sprayer distributed to farmers under TSP (STC) programme. Area- 2 ha, No. of Farmers Benefited-40 Village- 4 (Phatachanchada, Kaithapada, Kankadaguda, R.Udayagiri)	
			Awareness on zero budget natural farming	Training and awareness programme on zero budget natural farming was conducted No. of Farmers -150 Village- 7 (Attarsing, Ghodakana, Lubursing, Leoba, Tumana, R.Udayagiri Kanakadaguda,)	
			Soil test and soil health card distribution	Awareness programme on soil health card was taken up by training programmes and No. of KMAS -10 No. of Farmers -104 Village- 4 (Religuda, Narayanpur, Dihudisahi, Balibandha)	

			Demonstration on guava and dragon fruit	Demonstration of Guava and Dragon fruit was taken up in KVK, Demo Field and Demonstration of dragon fruit was conducted in farmers' fields. Guava -0.01 ha (KVK) No. of Farmers -2 Area- 0.5 ha Village- 2 (Narayanpur, Rajaamba)	
			Maize dehusker cum sheller may be demonstrated	Training and demonstration programme on maize dehusker cum sheller was conducted at Kaliapeta Village of Mohana Block. No. of farmers-10	

** 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. S.P. Sangramsingh Joint Director, Directorate of Extension Education, O.U.A.T, Bhubaneswar
2	Dr. S.K. Mondal Principal Scientist, ICAR-ATARI, Kolkata
3	Mr. Kailash Chandra Behera CDAO, Gajapati, Paralakhemundi
4	Dr. Susanta Ranjan Dash DDH, Gajapati, Paralakhemundi
5	Dr. Girish Kumar Mohanty CDVO, Gajapati, Paralakhemundi
6	Mr. Suresh Kumar Pattnayak PD, Watershed, Gajapati, Paralakhemundi
7	Mrs. Lisha Behera District Fishery Officer, Gajapati

8	Mr. Pratik Panda DDM, NABARD, Gajapati, Paralakhemundi
9	Mr. Maheswar Mandal LDM, Gajapati, Paralakhemundi
10	Mr. Rajib Tudu I/C Senior Scientist and Head, KVK Ragayada,
11	Mr. S.R. Singh General Manager, DIC, Gajapati
12	Dr. Susmita Mohanty Senior Scientist and Head, KVK Ganjam-II
13	Mrs. Priyanbada Bisoi DPM, OLM, Gajapati
14	Mr. Ashok Kumar Behera ACF, Paralakhemundi Forest Division, Gajapati
15	Mr. Surendra Kumar Sahoo ADO, R.Udayagiri, Gajapati
16	Mr. Ajit Kumar Sahoo CEO, Taptapani FPCL, Chandiput, Mohana, Gajapati
17	Mrs. Bijoylaxmi Pradhan Farm Woman, R.Udayagiri
18	Mr. Aruna Chandra Pradhan Farmer, R.Udayagiri
19	Mr. Manmatha Dalapati Bisoyi Farmer, R.Udayagiri
20	Mr. Sanjib Kumar Mandi Subject Matter Specialist (Agronomy)
21	Mr. Jayashankar Pradhan Subject Matter Specialist (Agrometeorology)
22	Er. Amit Jyoti Majhi Subject Matter Specialist (Agril. Engg.)
23	Dr. Sangram Paramaguru Senior Scientist and Head, KVK, Gajapati

2.a. District level data on agriculture, livestock and farming situation (2022)

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 (2022)

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	R.Udayagiri	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, Kankadagud a	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	P.Govindpur, 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	Kesara	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	Akili, Jubagaon, Kharidhepa, Manikpur, Govindpur	Rice, Maize, Ragi, 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	Titising	Rice, Ragi, 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	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	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 (2021-22) for its development and action plan

Name of village	**Block**	**Action taken for development**
R.Udayagiri	R.Udayagiri	OFT, FLD, Training
Alama	R.Udayagiri	OFT, FLD, Training
Phuka	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
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
Titisingh	Nuagada	OFT, FLD, Training
Landusahi	Rayagada	OFT, FLD, Training
Koinpur	Rayagada	FLD, Training
Padampur	Gumma	FLD, Training
Kujasing	Gumma	CFLD, Training
Adamguda	Gumma	CFLD, Training
S.Kurlunda	Gumma	CFLD, Training
Tarava	Gumma	CFLD, Training
Vanna	Gosani	FLD, Training
Budura	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
2	2	47	0	0	42	5	0	0	42	5	47	4	4	40	0	0	36	4	0	0	36	4	40

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

15	18	400	0	0	271	115	29	14	300	129	429	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
20	24	0	0	21	1	2	0	23	1	24	Mass	Mass									

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
		105000	109496

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
		45	48

* 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							

Books	9	4500	-	-	-	-	-
Bulletins							
News letter	1	500	-	-	-	-	-
Popular Articles							
Book Chapter							
Extension Pamphlets/ literature							
Technical reports							
Electronic Publication (CD/DVD etc)							
TOTAL	16	Mass	6.29	5.5	-	-	-

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of Wet Land Power Weeder in Paddy
2.	Problem diagnosed	High Weeding cost,time consuming and drudgerious operation in manual weeding
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP-Use of spade for weeding (manual weeding) TO_1-Weeding using Mandwa weeder TO_2-Weeding using wet land power weeder
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO_1- AICRP on ESA, CAET, OUAT, 2011 TO_2- AICRP on FIM, CAET, OUAT , 2013
5.	Production system and thematic area	Farm mechanization
6.	Performance of the Technology with performance indicators	Cost savings (%), Labour savings (%), Cost of intervention. Additional income over additional investment, Yield (q/ha), B:C ratio

7.	Final recommendation for micro level situation	to reduce weeding cost, time consuming and drudgery
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Performance of this equipment was appreciated by the farmers and are interested to adopt this equipment.

Thematic area: Farm mechanization

Problem definition: High Weeding cost, time consuming and drudgerious operation in manual weeding

Technology assessed: Assessment of Wet Land Power Weeder in Paddy

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP-Use of spade for weeding (manual weeding)	7	-	-	-	-	38.7	62578.00	78948.00	16370.00	1.26
TO1-Weeding using Mandwa weeder	7	-	-	-	-	38.9	61512.00	79356.00	17844.00	1.29

TO2-Weeding using wet land power weeder	7	-	-	-	-	40.6	58010.00	82824.00	24814.00	1.43

Results:

OFT-2

1.	Title of On farm Trial	**Assessment of the performance of FPOs with varied levels of task and commodity to enhance profitability**
2.	Problem diagnosed	Unorganized farmers fetching low price due to distress sale of farm produce
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP-Farmers marketing their produce through intermediaries **(10 F)** TO_1-FPO dealing with a single commodity with a single task i.e., Vegetable-Marketing **(10 F)** TO_2-FPO dealing with multi-commodity with single task i.e., Pulses, Vegetable, Enterprises-Marketing **(10 F)** TO_3-FPO dealing with multi-commodity with multi-task i.e., Pulses, Crops Vegetable, Enterprises- sorting, grading, packing, value addition, branding, leveling and marketing **(10 F)**
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT, Bhubaneswar
5.	Production system and thematic area	Marketing

6.	Performance of the Technology with performance indicators	A farmer interested to become a member , Better business planning in FPO, Better marketing of produce (collective)
7.	Final recommendation for micro level situation	To gain higher return and profitability a FPO should deal with multi-commodity with multi-task i.e., Pulses, Crops Vegetable, Enterprises-sorting, grading, packing, value addition, branding, leveling and marketing
8.	Constraints identified and feedback for research	Satisfied with this technology
9.	Process of farmers participation and their reaction	Farmers are interested to join the FPOs for their better return of the crops.

Thematic area: marketing

Problem definition: Unorganized farmers fetching low price due to distress sale of farm produce

Technology assessed: Assessment of the performance of FPOs with varied levels of task and commodity to enhance profitability

Table:

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

Results:

Parameters					
Farmers Opinion on Statement	**Percentage**	**FP**	**TO1**	**TO2**	**TO3**
A farmer interested to become a member	%	31.20	89.89	93.22	95.44
Contribution to share capital	%	13.44	86.67	88.89	92.11
Better business planning in FPO	%	17.67	87.78	88.89	95.56
Easy to produce the crops	%	18.78	88.89	87.78	92.22
Easy to manage the portfolio	%	22.00	74.56	90.00	91.00
Easy to sell produce	%	18.78	82.11	82.22	93.33
Better marketing of produce (collective)	%	20.11	85.56	84.44	92.22
Farmers participation in FPO	%	19.78	87.56	89.78	94.33

Please provide all the OFTs in same format

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.															
2.															

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					

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

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

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

Pulses

Frontline demonstration on pulse crops

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

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

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Ragi	Farm mechanization	Power operated OUAT ragi thresher cum pearler	10	2.0	9.5	9.5	0	Capacity (kg/hr)- 75.7 Cost of threshing (Rs./q)- 200	Capacity (kg/hr)- 6 Cost of threshing (Rs./q)- 650	14725.00	32082.00	17357.00	2.17	19000.00	32082.00	13082.00	1.68

Maize	Farm mechanization	Octagonal hand maize sheller	10	2.0	37.0	37.0	0	Capacity=21 kg /hr, Heart Rate =109 beats/ min, Oxygen consumption=0.67 lit./min	Capacity=09 kg /hr, Heart Rate= 105 beats/ min, Oxygen consumption=0.66 lit./min	30600.00	69190.00	38590.00	2.26	38000.00	69190 .00	31190 .00	1.82
		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.)			
					Demonstration	Check		Demonstration	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			
				Demonstration	Check		Demonstration	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)	Field observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demonstration	Check									
Mini dry land Power Weeder	Maize	Demonstration of Mini dry land Power Weeder in Maize	10	2.0	-	-	-	45	8	37		6375	-	-	-
Single Row Vegetable Transplanter	Vegetable	Demonstration on Single Row Vegetable Transplanter	10	2.0	-	-	-	40	22	18		5400	-	-	-

* 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										
Green gram										
Black gram										
Bengal gram										
Red gram										
Others (Pl. specify)										

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

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Ragi	Farmers' were satisfied with this thresher it was less time consuming, cost of threshing and drudgery reduction process as compared to traditional method.
2	Maize	Shelling of maize @ 21 kg/hr. by octagonal hand maize sheller while a labourer can manually shell by hand @ 09 kg/hr.
3	Vegetable	There is requirement of 8MD/ha for weeding by Power weeder instead of 45MD/ha for conventional method to reduce weeding cost, time consuming and drudgery.

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	27.09.2022, 12.10.2022, 28.10.2022, 10.11.2022	4	100	Farmers were really appreciated with the demonstrated technologies
2.	Farmers Training				
3.	Media coverage				
4.	Training for extension functionaries				

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2022 and Rabi 2021-22:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Groundnut	Devi	13.2	17.48	17.96	25.0	1.Seed treatment with Carbendazim 12% + Mancozeb 63% WP @ 2g/kg, 2. 2% foliar spray of water soluble NPK	25	10	20.3	17.8	19.05	8.98	6.07	31.23

							(19:19:19) at 30-35 DAS, 3. to control Tikka disease spraying of Carbendazim 12% + Mancozeb 63% WP @ 2 g/kg, 4. To control Aphid/Jassid spraying of Neem oil 1500 ppm @ 5ml/l and Imidacloprid 17.8% SL @ 03.ml/l, 5. To control population of insect pests application of Trichogramma chilonis @ 5 cards/ha, yellow sticky trap @ 20 pcs/ha, Pheromone trap @ 25 pcs/ha, 6. To control weed spraying of post emergence herbicide								

							Imazethapyr 10% SL @ 1.5 ml/l at 20-25 DAS 7. Foliar spray of ZnSO4 (12% Zn) @ 5ml/l and Boron (20%B) @ 1g/l for better pod Development stage								
2	Pigeon pea	Desi Kandula	8.6	7.88	10.22	20	1. Seed treatment with Rhizobium sp. @ 25g/kg, 2. Pigeon pea var. LRG-52 @ 15 kg/ha, 3. Pre-emergence application of Pendimethalin 30%EC @ 1.5ml/l within 24 hrs. of sowing followed by post emergence application of Imazethapyr 10% SL @1ml/l at 21-25 DAS for controlling weed flora, 4. Use of Yellow Sticky Trap @ 10 pcs/ha for controlling pest population,	50	20	11.38	10.92	11.15	41.49	9.10	20.63

							5. Foliar spray of water Sol. NPK (19:19:19) @ 2g/l at 30 DAS for better growth, 6. Spraying of Carbendazim 12% + Mancozeb 63% WP @ 2g/l for controlling Fusarium wilt, 7. Application of Emamectin Benzoate 5% SG @ 0.4 g/l to control pod borer, 8. Spraying of Boron (20% B) @ 1g/l at flowering for better fruit setting.								
3	Sesame	Desi Til	4.7	4.18	3.99	8.0	1.Sesame var. Smarak @ 2 kg/ac, 2.Carbendazim 12% + Mancozeb 63% WP @ 2 g/l, 3.Imidaclo prid 17.8% SL @ 0.3 ml/l, 4.Propiconazole 25% EC @1ml/l, 5. 2% foliar spray of Water Soluble	25	10	6.8	5.9	6.35	51.91	59.15	25.98

							NPK (19:19:19), 6. 0.5% spray of Zinc Sulphate 12%, 7. 0.1% spray of Boron (20%B) at reproducti ve 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	Groundnut var. Dharani 1.Seed treatment with Carbendazim 12% + Mancozeb 63% WP @ 2g/kg, 2. 2% foliar spray of water soluble NPK (19:19:19) at 30-35 DAS, 3. to control Tikka disease spraying of Carbendazim	46500	92400	45900	1.99	48600	133350	84750	2.74

	12% + Mancozeb 63% WP @ 2 g/kg, 4. To control Aphid/Jassid spraying of Neem oil 1500 ppm @ 5ml/l and Imidacloprid 17.8% SL @ 03.ml/l, 5. To control population of insect pests application of Trichogramma chilonis @ 5 cards/ha, yellow sticky trap @ 20 pcs/ha, Pheromone trap @ 25 pcs/ha, 6. To control weed spraying of post emergence herbicide								

	Imazethapyr 10% SL @ 1.5 ml/l at 20-25 DAS 7. Foliar spray of ZnSO4 (12% Zn) @ 5ml/l and Boron (20%B) @ 1g/l for better pod Development stage								
2	1. Seed treatment with Rhizobium sp. @ 25g/kg, 2. Pigeon pea var. LRG-52 @ 15 kg/ha, 3. Pre-emergence application of Pendimethalin 30%EC @ 1.5ml/l within 24 hrs. of sowing followed by post emergence application of Imazethapyr 10% SL @1ml/l at 21-25 DAS for controlling weed	26458	43000	16542	1.63	27145	55750	28605	2.05

	flora, 4. Use of Yellow Sticky Trap @ 10 pcs/ha for controlling pest population, 5. Foliar spray of water Sol. NPK (19:19:19) @ 2g/l at 30 DAS for better growth, 6. Spraying of Carbendazim 12% + Mancozeb 63% WP @ 2g/l for controlling Fusarium wilt, 7. Application of Emamectin Benzoate 5% SG @ 0.4 g/l to control pod borer, 8. Spraying of Boron (20% B) @ 1g/l at flowering for better fruit setting.								
3	1.Sesame var. Smarak @ 2 kg/ac, 2.Carbendazim 12% +	19184	35280	16096	1.84	21520	47190	25670	2.19

	Mancozeb 63% WP @ 2 g/l, 3.Imidaclo prid 17.8% SL @ 0.3 ml/l, 4.Propico nazole 25% EC @1ml/l, 5. 2% foliar spray of Water Soluble NPK (19:19:19) , 6. 0.5% spray of Zinc Sulphate 12%, 7. 0.1% spray of Boron (20%B) at reproducti ve stage								
4									

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	Groundnut var. Dharani	1905	450	70	80	150	Health, Homed and Education	3
2	Pigeon pea var. LRG-52	1115	210	50	8	30	Education, Cultivation, Food & Medical and Home	2
3	Sesame var. Smarak	635	42	75	3	18	Family, Education and Health	2

D. 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	1.Seed treatment with Carbendazim 12% + Mancozeb 63% WP @ 2g/kg, 2. 2% foliar spray of water soluble NPK (19:19:19) at 30-35 DAS, 3. to control Tikka disease spraying of Carbendazim 12% + Mancozeb 63% WP @ 2 g/kg, 4. To control Aphid/Jassid spraying of Neem oil 1500 ppm @ 5ml/l and Imidacloprid 17.8% SL @ 03.ml/l, 5. To control population of insect pests application	Yes	9.3 out of 10 (High yielder, drought tolerant, uniform maturity)	85%	-	Yes	Tikka disease resistant variety should be introduced

	of Trichogramma chilonis @ 5 cards/ha, yellow sticky trap @ 20 pcs/ha, Pheromone trap @ 25 pcs/ha, 6. To control weed spraying of post emergence herbicide Imazethapyr 10% SL @ 1.5 ml/l at 20-25 DAS 7. Foliar spray of ZnSO4 (12% Zn) @ 5ml/l and Boron (20%B) @ 1g/l for better pod Development stage						
2	1. Seed treatment with Rhizobium sp. @ 25g/kg, 2. Pigeonpea var. LRG-52 @ 15 kg/ha, 3. Pre-emergence application of Pendimethalin 30%EC @ 1.5ml/l within 24 hrs. of sowing followed by	Yes	9.5 out of 10 (Good yielder & indeterminate, semi spreading, resistant to wilt and moderately resistant to sterility mosaic disease)	80%	-	Yes	Pod borer resistant variety of Pigeon pea should be introduced

	post emergence application of Imazethapyr 10% SL @1ml/l at 21-25 DAS for controlling weed flora, 4. Use of Yellow Sticky Trap @ 10 pcs/ha for controlling pest population, 5. Foliar spray of water Sol. NPK (19:19:19) @ 2g/l at 30 DAS for better growth, 6. Spraying of Carbendazim 12% + Mancozeb 63% WP @ 2g/l for controlling Fusarium wilt, 7. Application of Emamectin benzoate 5% SG @ 0.4 g/l to control pod borer, 8. Spraying of Boron (20% B) @ 1g/l at flowering for better fruit setting.						

3	1.Sesame var. Smarak @ 2 kg/ac, 2.Carbendazim 12% + Mancozeb 63% WP @ 2 g/l, 3.Imidacloprid 17.8% SL @ 0.3 ml/l, 4.Propiconazole 25% EC @1ml/l, 5. 2% foliar spray of Water Soluble NPK (19:19:19), 6. 0.5% spray of Zinc Sulphate 12%, 7. 0.1% spray of Boron (20%B) at reproductive stage	Yes	9.5 out of 10.0 (Quality seeds, high yielder, moderately resistant to aphids)	85	N	95	Timely supply of seeds

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Groundnut var. Dharani is high yielder (25q/ha), mature within 105 days, high oil content (49%), 75-77% shelling percentage	Drought tolerant – withstands up to 35 days dry spell, uniform maturity, high SMK%, attractive pods, moderate stature and tolerant to low light conditions	High yield and oil content	Good
LRG 52 is yield potential Pigeon pea variety (20 quintals per ha). It reaches maturity in 150 days and is moderately tolerant to Helicoverpa, Maruca,	High yielding & moderately tolerant to Helicoverpa, Maruca, Pod fly, Fusarium wilt and Sterility mosaic diseases	Good seed quality and higher yield	Satisfied

Pod fly, Fusarium wilt and Sterility mosaic diseases			
Smarak variety of Sesame is high yielder (8-8.5 quintals per ha). It takes 80-85 days to mature	High yielding, drought tolerant and moderately tolerant to Aphid,	Good yielder and oil content	Satisfied

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Training – Groundnut	07.01.2022 Basidhar	25
2	Field Day – Groundnut	25.03.2022 Basidhar	50
3	Training – Pigeon pea	02.08.2022 at Dihudisahi	50
4	Field Day – Pigeon pea	01.12.2022 at Dihudisahi	50
5	Training – Sesame	03.08.2022 Balibandha	25
6	Field Day – Sesame	01.11.2022 Balibandha	50

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

1. CFLD on Oilseeds (Groundnut)

	
Vegetative stage	**Reproductive stage**

2. CFLD on Pulses (Pigeon pea)

	
Vegetative stage	**Reproductive stage**

3. CFLD on Oilseeds (Sesame)

	
Vegetative stage	**Reproductive stage**

H. Farmers' training photographs

Training photographs of CFLD on Oilseeds (Groundnut), CFLD on Pulses (Pigeon pea) and CFLD on Oilseeds (Sesame)

		
Groundnut	**Pigeon pea**	**Sesame**

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

Field visit and Field Day of CFLD on Oilseeds (Groundnut)

Field visit and Field Day of CFLD on Pulses (Pigeon pea)

Field visit and Field Day of CFLD on Oilseeds (Sesame)

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Groundnut (Rabi 2021-22)	i) Critical input	1,08,000	1,08,000	0
	ii) TA/DA/POL etc. for monitoring	12,000	10,000	2000
	iii) Extension Activities (Field day)			
	iv)Publication of literature v. Audit			
	Total	1,20,000	1,18,000	2000

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Pigeon pea (Kharif 2022)	i) Critical input	1,62,000	1,62,000	0
	ii) TA/DA/POL etc. for monitoring	18,000	18,000	0
	iii) Extension Activities (Field day)			
	iv)Publication of literature v. Audit			
	Total	1,80,000	1,80,000	0

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Sesame (Kharif 2022)	i) Critical input	45,000	45,000	0
	ii) TA/DA/POL etc. for monitoring	5,000	3800	1200
	iii) Extension Activities (Field day)			
	iv)Publication of literature v. Audit			
	Total	50,000	48,800	1200

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	2	0	3	3	0	0	0	12	35	47	12	38	50
Resource Conservation Technologies													
Cropping Systems	2	1	4	5	0	0	0	36	9	45	37	13	50
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total	4	1	7	8	0	0	0	48	44	92	49	51	100
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off0season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
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													

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 and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
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													

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
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	2	0	0	0	0	0	0	29	21	50	29	21	50
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total	2	0	0	0	0	0	0	29	21	50	29	21	50
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													

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
Biofertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics	1	0	0	0	0	0	0	18	7	25	18	7	25
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Record keeping	1	0	0	0	0	0	0	21	4	25	21	4	25
Total	2	0	0	0	0	0	0	39	11	50	39	11	50
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	8	1	7	8	0	0	0	116	76	192	117	83	200

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													
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													

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
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													
Farm Machinery	1	0	0	0	0	0	0	23	2	25	23	2	25
Group Dynamics	2	0	0	0	0	0	0	21	14	35	21	14	35
Total	3	0	0	0	0	0	0	44	16	60	44	16	60

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													

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 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	1	18	6	24	0	0	0	0	0	0	18	6	24
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other	1	10	1	11	0	0	0	6	3	9	16	4	20
Total	2	28	7	35	0	0	0	6	3	9	34	10	44

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													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management	1	0	0	0	0	0	0	14	11	25	14	11	25
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off0season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)	1	0	0	0	0	0	0	14	11	25	14	11	25
b) Fruits													
Training and Pruning													

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
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													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													

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													
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	2	0	0	0	0	0	0	44	6	50	44	6	50
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total	2	0	0	0	0	0	0	44	6	50	44	6	50
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
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													
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													
Formation and Management of SHGs	1	0	0	0	0	0	0	22	3	25	22	3	25
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total	1	0	0	0	0	0	0	22	3	25	22	3	25
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													

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
XII. Others (Pl. Specify)													
GRAND TOTAL	4	0	0	0	0	0	0	80	20	100	80	20	100

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													

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
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Entrepreneurship Development	1	0	0	0	0	0	0	25	0	25	25	0	25
Total	1	0	0	0	0	0	0	25	0	25	25	0	25

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													

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	0	0	0	0	0	0	0	0	0	0	0	0	0
Weed Management	2	0	3	3	0	0	0	12	35	47	12	38	50
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Cropping Systems	2	1	4	5	0	0	0	36	9	45	37	13	50
Crop Diversification	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro irrigation/irrigation	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	1	0	0	0	0	0	0	14	11	25	14	11	25
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	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	5	1	7	8	0	0	0	62	55	117	63	62	125
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
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)													

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
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
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													

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
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	4	0	0	0	0	0	0	73	27	100	73	27	100
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total	4	0	0	0	0	0	0	73	27	100	73	27	100
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Bio-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	0	0	0	0	18	7	25	18	7	25
Formation and Management of SHGs	1	0	0	0	0	0	0	22	3	25	22	3	25
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others	1	0	0	0	0	0	0	21	4	25	21	4	25
Total	3	0	0	0	0	0	0	61	14	75	61	14	75
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	12	1	7	8	0	0	0	196	96	292	197	103	300

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													
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													

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
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													
Farm machinery	1	0	0	0	0	0	0	23	2	25	23	2	25
Other	3	0	0	0	0	0	0	46	14	60	46	14	60
Total	4	0	0	0	0	0	0	69	16	85	69	16	85

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	1	18	6	24	0		0	0	0	0	18	6	24
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other	1	10	1	11	0	0	0	6	3	9	16	4	20
Total	2	28	7	35	0	0	0	6	3	9	34	10	44

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of ST		
					Male	Female	Total	Male	Female	Total
Agronomy	F/FW	Relay cropping of pulses in rice based cropping system	1	On	20	5	25	20	5	25
	F/FW	Production technology of Greengram	1	Off	14	11	25	14	11	25
	F/FW	Weed management in pulses	1	On	12	13	25	12	11	23
	F/FW	Integrated farming system for doubling farmers income	1	On	17	8	25	16	4	20
	F/FW	Weed management in Groundnut	1	On	1	24	25	0	24	24
Agril Extension	F/FW	Farm record keeping and its management	1	Off	21	04	25	21	04	25
	F/FW	Formation and advantages of farmers club	1	On	18	07	25	18	07	25
	F/FW	Mobilization and management of SHG savings	1	Off	22	03	25	22	03	25

Agril Engg	F/FW	Use of manual vegetable transplanter	1	On	23	2	25	23	2	25
	F/FW	Use of power operated OUA tragi thresher cum pearler	1	Off	10	15	25	10	15	25
	F/FW	Use of fruits harvestor	1	Off	17	08	25	17	08	25
	F/FW	Use of bullock drawn puddler for puddling in paddy	1	On	19	6	25	19	6	25
	F/FW	Use of different plant protection euipments	1	On	10	15	25	10	15	25
	F/FW	Use of wetland power weeder in rice	1	Off	20	5	25	20	5	25
	F/FW	Use of bullock drawn millets seed drill and weed removar	1	Off	24	01	25	24	01	25
Agronomy	IS	New generation pesticides	1	On	16	4	20	6	3	9
Agril Extn	IS	Enterprenurship Development through preparation of different organic product	1	Off	25	0	25	25	0	25
	IS	Participatory Tools and Techniques in Agriculture planning	1	On	18	6	24	0	0	0
Agril Engg	RY	Use and maintenance of battery operated sprayer	1	On	25	0	25	25	0	25
	RY	Use of fruits harvestor	1	On	23	2	25	23	2	25
Agril Extension	RY	Conflict management in Rural youth club	2	On	6	14	20	6	14	20
	RY	Conflict management in Rural youth club	2	On	15	0	15	15	0	15

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 elsewhere
				Male	Female	Total	Type of units	Number of units	Number of persons employed	

*training title should specify the major technology /skill transferred

b) Details of participation

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Crop production and management													
Commercial floriculture													
Commercial fruit production													
Commercial vegetable production													
Integrated crop management													
Organic farming													
Other													
Total													
Post harvest technology and value addition													
Value addition													
Other													
Total													
Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting													
Production of bioagents, biopesticides,													
biofertilizers etc.													

Repair and maintenance of farm machinery & imlements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation													
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para-vet training													
Other													
Total													
Agricultural Extension													
Capacity building and group dynamics													
Other													
Total													
Grand Total													

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

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

b) Details of participation

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Crop production and management													
Increasing production and productivity of crops													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													

Methods of protective cultivation													
Other													
Total													
Post harvest technology and value addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other													
Total													
Livestock and fisheries													
Livestock production and management													
Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security													
Economic empowerment of women													
Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total													

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	4	182	18	200	95	3	1	4	185	19	204
Kisan Mela	4	Mass	Mass	Mass	-	Mass	Mass	Mass	Mass	Mass	Mass
Kisan Ghosthi	1	37	13	50	75	2	0	2	39	13	52
Exhibition	1	Mass	Mass	Mass	-	Mass	Mass	Mass	Mass	Mass	Mass
Film Show	47	357	123	480	95	14	5	19	371	128	499
Method Demonstrations	7	114	61	175	92	3	0	3	117	61	178
Farmers Seminar	3	110	40	150	70	2		2	112	40	152
Workshop	0	0	0	0	0	0	0	0	0	0	0
Group meetings	6	112	38	150	84	3	0	3	115	38	153
Lectures delivered as resource persons	15	286	89	375	76	7	4	11	293	93	386
Advisory Services	52	788	462	1250	65	12	5	17	800	467	1267
Scientific visit to farmers field	56	963	487	1450	76	32	16	48	995	503	1498
Farmers visit to KVK	290	1246	204	1450	68	26	8	34	1272	212	1484
Diagnostic visits	56	963	487	1450	76	32	16	48	995	503	1498
Exposure visits	5	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	30	0	30	40	4	2	6	34	2	36
Animal Health Camp	4	184	66	250	95	8	0	8	192	66	258
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	3	64	11	75	70	3	0	3	67	11	78
Self Help Group Conveners meetings	2	0	50	50	40	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				0				0	0	0	0
Mahila Kisan Divas	1	0	50	50	60	2	1	3	2	51	53
Any Other (Celebration of important days (World bee day, World milk day, World water day, Kisan and Vigyan day, Vigillance awareness week, International womens day, Women in Agriculture Day, World Food Day, , World Soil Day, OUAT foundation day, ICAR foundation day)	23	Mass	Mass	Mass	-	Mass	Mass	Mass	Mass	Mass	Mass
Total	581	Mass	Mass	Mass	73	Mass	Mass	Mass	Mass	Mass	Mass

B. Other Extension activities

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

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											

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	2063	4595	10	4	56	30	2	2	68	36
Cabbage	Green gold, Hare Krishna, Rare ball	1806	4209	10	4	56	30	2	2	68	36
Tomato	Arka Rakshak	14620	28825	50	25	500	225	40	30	590	280
Brinjal	Swarna Shyamali, B-5	12070	25000	40	10	420	190	8	2	468	202
Chilli	Arka Harita	7486	15914	46	9	420	190	8	2	474	201
Onion	Arka Kalyan, Nasik red	65570	9835			7				7	
Knol Khol	White Vienna, Winner	300	450			2				2	
Broccoli	Sisira	300	450			3				3	
Capsicum	Bharat, Greengold	120	480			2				2	
Marigold	Seracole, Inca hybrid	946	4080			10				10	
Fruits											
Mango	Amrapalli, Langra, Bombay Green	914	12560	10	8	70	50	10	8	90	66
Papaya	Red lady, Pusa Nanha	1727	27975	20	10	400	200	10	10	430	220
Litchi	Muzaffarpur	220	8800			160	40			160	40
Drum stick	PKM1, ODC-3	1354	11310	88	12	328	60	25	5	441	77
Total		109496	154483	274	82	2432	1015	105	61	2811	1158

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefited							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers	1378	20670	20	10	400	200	10	10	430	220
Bio-pesticide										
Bio-fungicide										
Bio-agents										
Earthworm	3	1500			3				3	
Total		22170	20	10	403	200	10	10	433	220

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefited							
				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	Vanaraj	2.5 kg	875			1				1	
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		2.5 kg	875			1				1	

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 2022						
Rabi 2020-21						
Summer/Spring 2022						
Kharif 2022						
Rabi 2021-2022						

iii) Financial Progress

Fund received (2019-20, 2020-21, 2021-22 and 2022-23)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2019-20				
2020-21				
2021-22				
2022-23				

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper				
Seminar/conference/ symposia papers				
Books (4)	Chinabadam Chasa Rashi Chasa Nagafeni phala Chasa Prakrutika Chasa	Dr. Sangram Paramaguru, Mr Sanjib Kumar Mandi, Mr	2000	2000

		Jayashankar Pradhan, Er. Amit Jyoti Majhi		
Bulletins				
News letter	Sabujagiri	Dr. Sangram Paramaguru, Mr Sanjib Kumar Mandi, Mr Jayashankar Pradhan, Er. Amit Jyoti Majhi	500	500
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature				
Technical reports				
Electronic Publication (CD/DVD etc.)				
TOTAL			2500	2500

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.					
2.					

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

Name of farmer	Mr. Jayanata Raika
Address	Vill- Ghodakana, GP- Attarsing, Block- Nuagada, Dist- Gajapati
Contact details (Phone, mobile, email Id)	Mob: +91 8480128092
Landholding (in ha.)	0.8 ha
Name and description of the farm/ enterprise	Bee Keeping
Economic impact	<table><tr><th>Used Practice</th><th>Honey Yield (kg/annum)</th><th>Gross cost (Rs/ha)</th><th>Gross income (Rs/ha)</th><th>Net income (Rs/ha)</th><th>B:C ratio</th></tr><tr><td>Farmer practices</td><td>2.0</td><td>3200</td><td>600</td><td>-2600</td><td>0.18</td></tr><tr><td>Demonstration</td><td>42</td><td>4840</td><td>12600</td><td>7760</td><td>2.60</td></tr></table>
Social impact	Mr. Jayanta Raika is now become a better farmer & trainer of the district. Even some of the farmers have now started bee keeping and supplying honey to the nearby market. He is identified as a very progressive and

	receptive farmer who could mobilize the beneficiaries for systematic and scientific cultivation by his own interest. He has practiced sweet corn, okra, tomato, Raikia beans, other offseason vegetables and flowers round the year in his field.
Environmental impact	There is increase in about 32% crop yield due to better pollination in crops
Horizontal/ Vertical spread	Farmers from near by villages visited the Bee Keeping unit of Sri Raika and show their interest towards scientic bee cultivation for increase their family income. Mr Raika is also become a resource person for honey production and many farmers go for exposure visit to his farm and learn how to rear bee in scientific way
Good quality photographs (2-3)	 

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
1	Demonstration on Maize + Cowpea intercropping (2:2)	Manoj Raika S/o- Dana Raika Phone no.- 8763151712	Farmers facing low profit due to practice of mono cropping of maize. The productivity as well as income of the beneficiary was increased by adopting intercropping of maize with Cowpea seeds *var*. Kashi Kanchan in 2:2 ratio

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

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

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 (in Rs.)
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 benefited
1	Farmers Scientist interaction	44	1	Mr Lingaraj Panda, IAS	30	30

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

3.13. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Distribution of Seedlings	3	60	Cabbage, Cauliflower, Broccoli, Brinjal, Tomato, Capsicum, Mango grafts, Litchi graft, Papaya
Visit of Demo unit	10	55	Use of AMC in vegetables 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
23 (KUS Student)	1

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
17.8.2022	Dr R. K Panda Director ICAR-IIWM, Bhubaneswar	Official visit for conducting farmer/Farm women training
17.08.2022	Dr Ranurani Sethi Principal Scientist ICAR-IIWM, Bhubaneswar	Official visit for conducting training programme
07.12.2022	Dr S.K Rautray Principal Scientist ICAR-IIWM, Bhubaneswar	Official visit
07.12.2022	Dr D.C Sahoo Principal Scientist ICAR-IIWM, Bhubaneswar	Official visit
07.12.2022	Dr Shok Kumar Nayak Principal Scientist	Official Visit

	ICAR-IIWM, Bhubaneswar	
20.12.2022	Dr. Shibaprasad Sangramsingh Joint Director Extension DEE, OUAT, Bhubaneswar	Official visit for attending 18th SAC meeting
29.12.2022	Dr Sabyasachi Biswal Professor(Agronomy) OUAT, Bhubaneswar	Personnel visit
21.02.2023	Prof Pravat Roul Hon'ble Vice Chancellor OUAT, Bhubaneswar	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)
Cultivation of Sweet corn	62	100	62,000/-	94,500/-
Rice var. Bina Dhan-11	32	100	22,500/-	29,250/-
Rice var. CRDhan-310	15	100	24,000/-	33,760/-
Adoption of improved farm machinery	30	90	80,750/-	13,035/-
Ragi variety-Arjuna	20	100	13,290/-	27,500/-

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	110 ha
Rice var. CR Dhan 310	130 ha
Rice var. Hasanta	90 ha
Small farm mechanization	324 number
Ragi var. Arjuna	30 ha
Maize variety-Kalinga Raj	10 ha

Give information in the same format as in case studies

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

4.4. Details of innovations recorded by the KVK

Thematic area	
Name of the Innovation	
Details of Innovator	
Back ground of innovation	
Technology details	
Practical utility of innovation	

4.5. Details of entrepreneurship development

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

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
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
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 2022 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq .mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Poly house	2010	100	Vegetable Seedlings and sapling	Planting Material	108362	-	133123	Renovation of the structure should be required
2	Poultry Unit	2010	20	Vanaraj, Kadaknath, Rainbow rooster	Poultry bird and egg	2.5 kg Bird 490 egg	-	5775	Needs more infrastructure for extension
3	Grafting unit	2007	200	Bombay green, Amrapali, Lengda, Daseri, Mallika	Mango and Litchi	1134	-	21360	Need fund for orchard cleaning and management
4.	Vermicompost unit	2010	30	*Eiesenia foetida*	Vermicompost	1378kg	-	20670	
5.	Vermicompost unit	2010	30	-	Vermiworm	3kg	-	1500	
	Total							182428	

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	-	27.05.2022 , 09.06.2022	10 ha	Langada, Bombay Green,	Fruit	2.15	-	2400	

		, 18.06.2022		Amrapalli, Mallika					
Litchi	-	27.05.2022 , 09.06.2022	0.4	Muzaffarpur	Fruit	1.4	-	5600	
Guava	-	-	0.01	VNR Bihi	Fruit	0.2	-	2000	

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	1378	-	20670	
2	Vermiworm	3	-	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.	Poultry	Vanaraj	Meat	2.5 kg	-	875	
2.	Poultry	Kadaknath	Egg	490	-	4900	
3.							

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for shortfall (if any)
March	25	7	
November	25	1	
December	50	1	
Total :	100	9	

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed: No
No. of staff quarters:
Date of completion:

Occupancy details:

Months	Q I	Q II	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

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		0
Groundnut		120000		120000	0
Sunflower					

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2023
	Kharif	Rabi	Kharif	Rabi	
Pigeon pea	180000		180000		Nil

2019.5. Utilization of KVK funds during the year 2022-23 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	6270000	6270000	4388787
2	Traveling allowances	120000	120000	120000
3	HRD	30000	30000	1500
3	Contingencies			
A	Office Expenditure	1050000	1000600	1000600
B	POL			
C	FLD			
D	OFT			
E	Training/Training material			
F	TSP	850000	850000	850000
G	Kisan Bhagidari Prathmikta Hamari	100000	100000	100000
H	Garib Kalyan Sammelan	111985	111985	111985
I	Agri start up conclave & PM Kisan Sammelan	14060	14060	14060
J	Swachhta Expenditure	17250	17250	17250
TOTAL (A)		**8563295**	**8513895**	**6604182**
B. Non-Recurring Contingencies				
1	Information Technology	30000	30000	30000
2	Office furniture and Equipment	45000	45000	45000
3	Library	10000	10000	10000
4	Tractor	750000	750000	750000
TOTAL (B)		**835000**	**835000**	**835000**

C. REVOLVING FUND	-	-	178372
GRAND TOTAL (A+B+C)	**9398295**	**9348895**	**7617554**

7.5. Status of revolving fund (Rs. in lakh) for last three 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)
2018-19	376439	255807	155678.5	374608
2019-20	374608	331227	246282	459553 (Rs. 250000 Refunded to DEE, OUAT, BBSR)
2020-21	209553	599550	184008	618689
2021-22	618689	435690	148637	573977 (Rs. 400000 Refunded to DEE, OUAT, BBSR)
2022-23	573977	301803	123431	752349 (Rs. 200000 Refunded to DEE, OUAT, BBSR)

7.6. (i) Number of SHGs formed by KVKs : 8
(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

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
Diagnostic field visit	24	Kharif & Rabi	Agriculture	9	9
Diagnostic field visit	8	Kharif & Rabi	Horticulture	-	-
Animal health camp	4	Kharif & Rabi	Animal Husbandry	-	-

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

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

9.1. Nehru Yuva Kendra (NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

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

Type of message	No. of messages	No. of farmers covered
Crop	37	14225
Livestock		
Fishery		
Weather	1	14225
Marketing		
Awareness	12	14225
Training information		
Other		
Total	50	14225

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	8625
2.	No. of farmers registered in the portal	1308
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
17.09.2022	Awareness Campaign, Planting of trees
28.09.2022	Swachhta Campaign, Cleaning of school
30.09.2022	Cleaning of Road sides and collecting plastics
17.10.2022	Vermicomposting, Cleaning of office premices
18.12.2022	Awareness on use of farm waste and compost preparation. Natural farming
22.12.2022	Promote Natural farming, Planting more trees
27.12.2022	Cleaning of village premises, roads and awareness on less use of chemical fertilizer and more use of compost
30.12.2022	Cleaning of demo units, office premices

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	14	
2. Basic maintenance	15	
3. Sanitation and SBM	18	16950
4. Cleaning and beautification of surrounding areas	10	
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	8	
6. Used water for agriculture/ horticulture application	4	
7. Swachhta Awareness at local level	14	
8. Swachhta Workshops	2	
9. Swachhta Pledge	2	
10. Display and Banner	2	
11. Foster healthy competition	0	
12. Involvement of print and electronic media	2	
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	43	
14. No of Staff members involved in the activities	8	
15. No of VIP/VVIPs involved in the activities	0	
16. Any other specific activity (in details)	0	
Total	**95**	**16950**

9.6. Observation of National Science day

Date of Observation	Activities undertaken
28.02.2022	Awareness on why this day is important for all. 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
Mahendra Tanaya Higher Secondary School	03.12.2022	Students motivated for agriculture, horticulture education and how it helps their future	Laptop, Projector, Power point presentation, Short videos
			

Give good quality 1-2 photograph(s)

9.9. Details of '*Pre-Rabi 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 Doordarshan (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		

9.10. Details of Swachhta Hi Suraksha 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	-	-

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Celebration of Mahila Kisan Diwas	4	50	-	-

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

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

9.13. Revenue generation

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

9.14. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	Construction of farm road	Construction of road inside the KVK instructional farm	State Government	5	Farm Road

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
21.04.2021	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	350 farmers through FAP, 400 farmers through WhatsApp groups and 19180 farmers through SMS.	FAP, Diagnostic field visit, Review meeting in view of deficient rainfall in kharif 2022

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

a) Year:
b) Introduction / General Information:

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

11. Details of TSP

a. Achievements of physical output under TSP during 2022-2023

Programmes	**Physical achievements**
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	150
On-farm trials (Number)	3
Frontline demonstrations (Number)	10
Farmers training (in lakh)	0.00625
Extension personnel training (in lakh)	0.00046
Participants in extension activities (in lakh)	0.0303

Seed production (in tonnes)	0
Planting material production (in lakh)	1.0191
Livestock strains and fingerlings production (in lakh)	0
Soil, water, plant, manures samples testing (in lakh)	0.00048
Provision of mobile agro – advisory to farmers (in lakh)	6.103
No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	131

b. Fund received under TSP in 2022-23 (Rs. In lakh): 8.5

c. Achievements of physical outcome under TSP during 2022-2023

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	4
2	Change in family consumption level	%	3
3	Change in availability of agricultural implements/ tools etc.	No. per household	6

d. Location and Beneficiary Details during 2022-2023

1. Location and Beneficiary Details 4th Quarter (1st January to 31st March, 2022)

Sl. No.	***Name of KVK***	***District***	***Sub-district***	***No. of Village***	***Name of village (s)***	***Village-wise total amount spent (Rs.)***	***ST population benefitted (No.)***
1	KVK, Gajapati	Gajapati	Gumma	1	Basidar	118800	25
2			R.Udayagiri	4	Rumunda, Phatachanachada, Lubursing, Sureikhamar	161000	46
3			Nuagada	3	Souri, Luhangar, Jungjung	122500	55
4			Mohana	3	Pindiki, Kesara, Kaliapata	119000	34
Total				**11**		**521300**	**160**

2. Location and Beneficiary Details during 1st Quarter of 2022-23 (1st April to 30th June, 2022)

Sl. No.	***Name of KVK***	***District***	***Sub-district***	***No. of Village***	***Name of village (s)***	***Village-wise total amount spent (Rs.)***	***ST population benefitted (No.)***
Trainings (On-Campus)							
1	Gajapati	Gajapati	R.Udayagiri	06	Phatachanachada, Kankadaguda, Lubursing, R.Udayagiri,	7500	50

					Sabarapalli, Sinising		
2	Gajapati	Gajapati	Nuagadaa	01	Tumana		
TSP Activities							
1	Gajapati	Gajapati	Mohana	05	Paniganda, Bhaliasahi, Dimiripanka, Chadiapada, Kirting,	40320	28
2	Gajapati	Gajapati	R.Udayagiri	02	Arsis ahi, R.Udayagiri	1680	4
Total				***14***		***49500***	***82***

3. Location and Beneficiary Details during 2nd Quarter of 2022-23 (1st July to 30th Sept., 2022)

a)

Sl. No.	***Name of KVK***	***District***	***Sub-district***	***No. of Village***	***Name of village (s)***	***Village-wise total amount spent (Rs.)***	***ST population benefitted (No.)***
1	Gajapati	Gajapati	Nuagada	4	Dagharia	38500	11
					Ukarsing	3500	1
					Rogalsing	7000	2
					Bagam	3500	1
Total						***52500***	***15***

4. Location and Beneficiary Details during 3rd Quarter (Oct, 2022 to Dec 2022) of 2022-23

Sl. No.	***Name of KVK***	***District***	***Sub-district***	***No. of Village***	***Name of village (s)***	***Village-wise total amount spent (Rs.)***	***ST population benefitted (No.)***
1	Gajapati	Gajapati	R.Udayagiri	1	R.Udayagiri	8000	108
				2	Phatachanchada	16450	146
				3	Munising	46500	25
				4	Dihudisahi	178000	50
				5	Kankadaguda	20080	169
				6	Rumunda	3405	35
				7	Badapur	3750	50
				8	Sininsing	600	5
				9	Tubursing	720	6
			Nuagada	1	Rumboul	6454	25
				2	Attarsing	4790	50
				3	Ghodakana	1905	15
				4	Leoba	1270	10
				5	Jang jang	70000	20
				6	Tuman	1200	10
				7	Rangamunda	240	2
				8	Rajamba	240	2
				9	Parimala	1800	15
				10	Goli	480	4
				11	Badapada	240	2
				12	K.Jhalarsingh	360	3

			Mohana	1	Balibandha	48800	25
				2	Dhimirijholi	3750	50
				3	Mohana	120	1
				4	Mahulapada	240	2
			Rayagada	1	Krushnapur	60000	15
Total						**479394**	**845**

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

Natural Resource Management

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

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

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

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

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

15. 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

16. 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	a) 60000 b) 40000 c) 7000	a) 150000 b) 100000 c) 15000	10	7

			material vegetable and fruits=200000 per annum b. Vegetables production: 80 quintals per annum c. Vermi compost production=10 quintals per annum				

17. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	1	Demonstration on Maize + Cowpea intercropping M	The productivity as well as income of the beneficiaries was increased by adopting intercropping maize with Cowpea seeds *var*. Kashi Kanchan in 2:2 ratios	95,000/-	
2					

18. Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service

	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
Phase	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2018)					
II (up-to 24.04.218)					
Total					

19. Information on Visit of Ministers to KVKs, if any

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

20. a) Information on ASCI Skill Development Training Programme, if undertaken during 2022

Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants						Whether uploaded to SIP Portal (Y/N)	Fund utilized for the training (Rs.)
				SC		ST		Other			
				M	F	M	F	M	F		

b) Information on Skill Development Training Programme (Other than ASCI or less than 200 hrs., if any) if undertaken during 2022

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	

21. Information on NARI Project (if applicable)

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

22. Information on Krishi Kalyan Abhiyan Phase-III, if applicable

a) Training achievements

Name of KVK	***Period***	***No. of Training on diversified farming practices for doubling farmers' income organized***	***No. of farmers trained***	
			Male	***Female***
	01.01.2022 to 31.12.2022	15	365	85

b) Other achievements

Sl. No.	Particulars	January, 2022 to December, 2022
1	Number of demonstrations other than oilseeds and pulses	2
2	Number of demonstrations on oilseed crops	3
3	Number of demonstrations on pulse crops	-
4	Number of farmers trained	225
5	Number of participants in Extension activities	547
6	Number of farmers for Mobile Advisory	42375
7	Production of seeds (in quintal)	-
8	Production of planting material (Number)	38380
9	Number of soil sample tested	13
10	Number of farmers covered in Climate Resilient villages	-
11	Number of farm families covered in Farmer FIRST project	-
12	ARYA project: Number of youth trained	-
13	ARYA project: Number of entrepreneurial activities started	-
14	Number of farm families in DFI villages	32

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)

Assessment of Wet Land Power Weeder in Paddy

Assessment of the performance of FPOs with varied levels of task and commodity to enhance profitability

Demonstration of Mini dry land Power Weeder in Maize

Demonstration on Single Row Vegetable Transplanter

Demonstration on Herbicides for Weed Management in Groundnut

Demonstration of INM in Sesame

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