ANNUAL PROGRESS REPORT

January 2023 to December 2023

OUAT, BHUBANESWAR

KRISHI VIGYAN KENDRA, JAJPUR

PROFORMA FOR ANNUAL REPORT 2023 (January-December 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
KrishiVigyan Kendra, Jajpur PO: Badachana, Dist.: Jajpur (Odisha), PIN: 754296	Ph.: 06725-226005		jajpurkvk@yahoo.co.in kvkjajpur.ouat@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Orissa University of Agriculture & Technology, Bhubaneswar-751003	0674-2397362	9937563162	deanextensionouat@yahoo.com deanextension_ouat@rediffmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Sunil Kumar Mohapatra	KrishiVigyan Kendra, Jajpur PO: Badachana Dist.: Jajpur (Odisha),	9437460806	kvkjajpur.ouat@gmail.com jajpurkvk@yahoo.co.in

1.4. Year of sanction of KVK: **June 2002**

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. Sunil Ku. Mohapatra	Senior Scientist& Head	Horticulture	79800-211500 107200	04.06.2021	Temporary	Others
2	Subject Matter Specialist	Dr. Lalita Ku. Mohanty	Scientist	Agronomy	57700-182400 89800	12.06.2018	Temporary	Others
3	Subject Matter Specialist	Dr. Babita Mishra	Scientist	Horticulture	57700-182400 89800	13.08.2014	Temporary	Others
4	Subject Matter Specialist	Mr. Subrata Ku. Panigrahi	Scientist	Agril. Extension	57700-182400 92500	21.05.2018	Temporary	Others
5	Subject Matter Specialist	Mrs. Bijayalaxmi Mohanta	Scientist	Agril.Engg.	57700-182400 82200	-	Temporary	Others
6	Subject Matter Specialist	Mr. Subhasis Dash	Scientist	Soil Science	57700-182400 82200	11.06.2013	Temporary	Others
7	Subject Matter Specialist	Mr. Bijay Ku. Routray	Scientist	Plant Protection	57700-182400 89800	04.06.2021	Temporary	Others
8	Programme Assistant	Mr. Siba Prasad Mishra	Prog. Asst.	Horticulture	35400-167800 62200	08.02.2019	Temporary	Others
9	Computer Programmer	Mrs. Sangita Panda	Prog. Asst. (Computer)	Computer	35400-167800 55200	02.09.2014	Temporary	Others
10	Farm Manager	Mr. BipraCharan Swain	Farm Manager	Agronomy	35400-167800 49000	27.07.2013	Temporary	Others
11	Accountant / Superintendent	Vacant	-	-	-	-	Temporary	
12	Stenographer	Mr. TruptiRanjanBarik	Steno	Steno	25500-92300 41000	29.06.2012	Temporary	Others
13.	Driver	Mr. Pravat Ku. Naik	-	-	19900-63200 29300	5.11.2015	Temporary	Others
14.	Driver	Mr. Mamtaz Alli Khan	-	-	19900-63200 27600	08.07.2013	Temporary	Others
15.	Supporting staff	Sri BhagiraDalei	-	-	18000-92300 23600	08.07.2014	Temporary	Others
16.	Supporting staff	Vacant	-	-	-	-	-	-

1.6. Total land with KVK (in ha) :

Sl. No.	Item	Area (ha)
1	Under Buildings	0.051
2.	Under Demonstration Units	5.489
3.	Under Crops	6.0
4.	Orchard/Agro-forestry	-
5.	Others with details	-
	Total	11.54

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

Sl. 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	-	-	-	-	Completed	510	Use	ICAR
2.	Farmers Hostel	-	-	-	-	Completed	450	Use	ICAR
3.	Staff Quarters (6)	-	-	-	-	-	1	Use	ICAR
4.	Piggery unit	-	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-	-
6	Rain Water harvesting structure	-	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	completed	770	Use	ICAR
8	Farm godown		-	-	-	Completed	126	Use	ICAR
9.	Dairy unit	-	-	-	-	-	-	-	-
10.	Poultry unit	-	-	-	-	-	-	-	-
11.	Goatary unit	-	-	-	-	-	-	-	-
12.	Mushroom Lab	-	-	-	-	-	-	-	-
13.	Mushroom production unit	-	-	-	-	Completed	770	Use	ICAR
14.	Shade house		-	-	-	Completed	126	Use	ICAR

15.	Soil test Lab	-	-	-	-	-	-	-	-
16.	Others, Please Specify								
17.	Vermin compost unit					Completed	14.4 sq.m	Use	ICAR
18.	Boundary wall					Completed	6473 ft length	Use	ICAR
19.	Bore well					completed	-	Use	ICAR

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	Purchased on 17.03.2020	8,00,000/-	39000 km	Functioning
Tractor	Purchased on 31.03.2005	3,74,233	2458hr	Condemned
Motor Cycle	Purchased on 31.03.2011	50,000/-	18,320km	Functioning
Tractor	Purchased on 31.03.2023	7,00,000/-	107.7 hr	Functioning

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Nitrogen analyzer	2010-11	4,26,000	Working	ICAR
PH meter	2010-11	9,898	Working	ICAR
Hot were oven	2010-11	13,200	Working	ICAR
Spectro photo meter	2010-11	2,96,888	Working	ICAR
EC	2010-11	30,000	Working	ICAR
Flame photometer	2010-11	35,600	Working	ICAR
Auto clave	2010-11	62,000	Working	RKVY
Laminar Air flow	2010-11	49,000	Working	RKVY
Hot Air oven	2010-11	15,000	Working	RKVY
Electronic Balance	2010-11	21,000	Working	ICAR
Stabilizer	2013-14	19,860	Working	Contingency
Rotary flask shaker	2013-14	41,000	Working	Contingency
Flame photometer	2013-14	850	Working	Contingency

Quartzcuvette	2013-14	9,450	Working	Contingency
Mini Soil kit	2016-17	1,50,000	Working	ICAR
Moisture meter	2017-18			
b. Farm machinery				
MB Plough	2012-13	26,000	Working	RF
Nine tyne Cultivator	2012-13	20,500	Working	RF
Ninetyne seed cum fertilizer drill	2015-16	45,000/-	Working	ICAR
Axial flow thresher	2015-16	1,41,000	Working	ICAR
Land laveller	2015-16	14,000	Working	ICAR
Solar Dryer	2017-18	15,000	Working	ICAR
Tractor	2022-23	655297	Working	ICAR
c. AV Aids				
Laptop	2008-09	50,000	Not Working	ICAR
Honda Generator	2010-11	50.000	Not Working	ICAR
Digital Camera	2011-12	20,000	Working	ICAR
HP printer	2011-12	8000	Working	ICAR
Public address system	2011-12	25,000	Working	ICAR
Printer cum Xerox	2015-16	50,000	Working	ICAR
Laptop	2016-17	50,000	Working	ICAR
Desktop Computer	2016-17	50,000	Working	ICAR
Printer Cum Xerox	2016-17	15000	Working	ICAR
Micro phone	2020-21	2500	Working	ICAR
LCD multimedia projector	2021-22		Working	ICAR
LCD screen	2021-22	11000	Working	ICAR
Laptop (Dell)	2021-22		Working	ICAR
Desktop computer	2022-23	46500	Working	ICAR
HP laserjet printer	2022-23	18000	Working	ICAR
Head phone	2022-23	700	Working	ICAR
Speaker	2022-23	1100	Working	ICAR
Presenter (Logitech)	2022-23	1100	Working	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
MB Plough	2012-13	26,000	Working	RF
Nine tyne Cultivator	2012-13	20,500	Working	RF
Ninetyne seed cum fertilizer drill	2015-16	45,000/-	Working	ICAR
Axial flow thresher	2015-16	1,41,000	Working	ICAR
Land laveller	2015-16	14,000	Working	ICAR
Brush cutter	2020-21	22000	Working	ICAR
Lawn mower	2020-21	21000	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.	25.01.2023	22	Intervention on IFS model should be taken in action plan	❁ Training for Farmers & farm women on integrated farming system model has been conducted at Village- Fazilpur Block- Dharmasala comprising of 25 nos of farmers and farm women on Dt. 25.09.2023 ❁ Training for rural youth on integrated farming system model has been conducted at KVK campus comprising of 15 nos of rural youth on Dt. 09.01.2024 to 11.01.2024 ❁ Papaya (200no.) and tissue culture banana (200no.) saplings were distributed among ten SC farmers to plant on the pond dyke of integrated farming system during kharif-2023.	
			Intervention on bio pesticides to control leaf minor in tomato should be taken in action plan of 2023-24	❁ Training for farmers and farmwomen on bio control of leaf miner in tomato has been conducted at village-Karanjiari, Damodarpur Block-Rasulpur comprising of 50 nos of farmers and farm women ❁ Five nos of mobile advisory has been given in farmers group on application of bio control measures for control of leaf miner in tomato during Kharif .	
			Training programme on high value crop for the benefit of the farmer	❁ Training for farmers and farmwomen on improved management practices of capsicum has been	

				conducted in village: Damodarpur Block: Rasulpur comprising of 25 nos of farmers and farm women on Dt. 28.11.2023 • Training for farmers and farmwomen on Tissue culture Bananna has been conducted in village: Nuahat Block: Barchana dt. 23.08.2023 • 5 days capacity building training programme on protected cultivation of high value vegetables was conducted from 14th to 17th November 2023 and 20th to 24th December 2023 involving 40 field functionaries under CBSAE development project funded by OMBADC, Govt. of Odisha.. • Demonstration on capsicum var. Arka Athulya and seedless watermelon var. Shonima (Red seedless) and Swarna (Yellow seedless) has been conducted in the farmers field (20 nos) in collaboration with IIHR, Bangalor and KHU during Rabi 2022-23 and 2023-2024 .	
			Intervention mainly training programme on honeybee should be conducted in large scale to create awareness among the farmers	• Training programme on Bee keeping for farmers and field functionaries has been conducted in the KVK campus comprising of 60 nos of trainees each of duration 5 days and 4 days respectively under CBSAE development project, KVK, Jajpur and rural youth training programme of KVK. • Demonstration on Bee keeping has been conducted in Village: Artia Block: Rasulpur involving 15 no. of farmers.	
			Intervention on pointed gourd should be taken in the action plan	• FLD on INM in pointed gourd has been conducted at village-Kadampal Block-Barchana and Village-Dihakuransa Block-Rasulpur in an area of 1 ha comprising of 13 no. of farmers during 2023. • Training on cultivation techniques of pointed gourd conducted in village: Rampur Block: Dharmasala comprising 50 no. of farmers. • Rural youth training on planting material production techniques on pointed gourd conducted in KVK, Jajpur. • Single line trellis system was popularized in pointed gourd cultivation.	

			Climate resilient tuber crops i.e yam, elephant foot yam should be taken in the demonstration programme	❁Demonstration on yam var. Orissa Elite and elephant foot yam var. Gajendra, new Colocasia var. Sree Kiran conducted in Village: Karanjiari Block: Rasulpur involving 25no. of farmers in collaboration with CTCRI, Bhubaneswar during Kharif-2023 ❁Training on Improved cultivation techniques of tuber crops conducted in Village: Ranpur and cultivation techniques of root crop conducted in Village: Jenapur Block: Dharmasala involving 50 no. of farmers.	
			Intervention should be taken on Sweet potato variety Bhu krishna, Bhu swarna in the action plan	❁Demonstration on Sweet potato variety Bhu krishna, Bhuswarna conducted in Village: Karanjiari Block: Rasulpur involving 15nos of farmers in collaboration with CTCRI, Bhubaneswar. ❁Training on Improved cultivation techniques of tuber crops conducted in Village: Ranpur and cultivation techniques of root crop conducted in Village: Jenapur Block: Dharmasala involving 50 no. of farmers.	
			Intervention should be taken on Sweet potato variety Bhu krishna, Bhu swarna in the action plan	❁Demonstration on Sweet potato variety Bhu krishna, Bhuswarna conducted in Village: Karanjiari Block: Rasulpur involving 15nos of farmers in collaboration with CTCRI, Bhubaneswar . ❁Training on Improved cultivation techniques of tuber crops conducted in Village: Ranpur and cultivation techniques of root crop conducted in Village: Jenapur Block: Dharmasala involving 50 no. of farmers.	
			Intervention on scented Rice	❁OFT has been conducted on scented rice var.- Sitabhog at village-Dagarapada involving 7 nos of farmers during Kharif 2023 in an area of 1 ha. ❁ Training on INM in rice comprising 25 no. of farmers and farmwomen at village: Chakabadaghumuri Block: Barachana	
			Intervention on Organic pesticides in crops and vegetables	❁Training on application of bio-pesticides and bio agents has been conducted at Village-Sankha Badaghumuri, Gaudapatna of Dharmasala and	

				Barchana block respectively involving 75 no. of farmers. Method demonstration on Bordaux mixture and trichoderma viridea conducted in Village: Karanjiari Block: Rasulpur for application in beetlevine for control of fungal diseases.	
			Intervention on Bio-fertilizers in crops and vegetables	FLD on INM in pointed gourd using Bio-fertilizers i.e Azotobacter, Azospirillum and PSB @ 4kg/ha each to 13 no. of farmers held at Village-Kadampal of Barchana block and Village- Dihakuransa of Rasulpur block in an area of 1 ha. During Rabi 2023-2024.	
			Intervention on Boron should be taken in large scale in paddy crop	FLD on application of boron (0.25%) in low land rice has been conducted at Village-Achutpur and Niladeipur of Dharmasala block involving 13 nos of farmers in an area of 1 ha. During karif 2023. Training on Micronutrient deficiency control measures in rice has been conducted at Village: Achutpur and Niladeipur of Dharmasala bloc k involving 50 no. of farmers.	
			More dual purpose poultry bird demonstration in the campus	KVK, Jajpur demonstrated in his farm 2 nos of dual purpose poultry bird namely Kadaknath and Assel 100nos each during kharif 2023. KVK, Jajpur also demonstrated in his farm 2 nos of dual purpose ducks namely khakicambel and whitepeckin 20nos each during kharif 2023.	

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

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

Sl. no.	Item	Information
1	Major Farming system/enterprise	North Easter Coastal plain Zone mid central table land zone
2	Agro-climatic Zone	Low lying flood prone Saline Soil Red Laterite Rainfed

		Alluvial Rainfed River vally alluvial medium rainfall Light laterite (High rainfall)
3	Agro ecological situation	Alluvial, Saline soil Alluvial, Alluvial Red Laterite, Red Laterite Alluvial, Red Laterite
4	Soil type	Paddy-28.36qtl/ha, Groundnut-15.95qtl/ha Green gram-3.15qtl/ha
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Average rainfall-1559.9mm Min yearly temperature -14 ^{0}C to 43^0 C Average humidity-62% to 87%
6	Mean yearly temperature, rainfall, humidity of the district	North Easter Coastal plain Zone mid central table land zone
7	Production of major livestock products like milk, egg, meat etc.	Milk-78.92 milk TMT, Egg-334.93 lakh egg Meat-1099.97 MT

Note: Please give recent data only

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

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	Jajpur	Rasulpur	Kulakuransa	Paddy, groundnut Vegetables	Lack of proper crop management practice in field, vegetable and pulses and other cash crops Micronutrients deficiency in groundnut Deterioration of existing varieties use by the farmers in field and horticultural crops. Scarcity of labour	Improved crop management practices in cereals, Pulses, vegetables and cash crops. Micronutrient application in groundnut Varietals substitution in field and horticultural crops. Farm mechanisaiton
2	Jajpur	Jajpur	Kacherigaon	Paddy Greengram	Lack of proper crop management practice in field, vegetable and pulses and other	Improved crop management practices in cereals, Pulses, vegetables

				Vegetables groundnut	cash crops Deterioration of existing varieties use by the farmers in field and horticultural crops Unemployment problem of rural youth scarcity of labour	and cash crops. Varietals substitution in field and horticultural crops Entrepreneurship development poultry, Farm mechanization
3	Jajpur	Dharmasala	Choromuha	Paddy Greengram Vegetable	Lack of proper crop management practice in field, vegetable and pulses and other cash crops Deterioration of existing varieties use by the farmers in field and horticultural crops.	Improved crop management practices in cereals, Pulses, vegetables and cash crops. Varietals substitution in field and horticultural crops.
4	Jajpur	Sukinda	Sunsilo	Paddy Goatery Mushroom, maize	Lack of proper crop management practice in field, vegetable and pulses and other cash crops Local breed farming gives low farm income Unemployment problem of rural youth	Improved crop management practices in cereals, Pulses, vegetables and cash crops Entrepreneurship development in goatary, mushroom.
5	Jajpur	Dharmasala	Fazilpur	Paddy Greengram Vegetable, jute, groundnut	Lack of proper crop management practice in field, vegetable and pulses and other cash crops Deterioration of existing varieties use by the farmers in field and horticultural crops.	Improved crop management practices in cereals, Pulses, vegetables and cash crops. Varietals substitution in field and horticultural crops.

2. c. Details of village adoption Programme:
Name of the villages adopted by PC and SMS (2023) for its development and action plan

Name of village	Block	Action taken for development
Kulakuransa	Rasulpur	• Farmers producer group, SHGs formation& management. • Improved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm mechanization • Entrepreneurship development in poultry, duckery and mushroom cultivation Vermi-compost pits
Kacherigaon	Jajpur	• Farmers producer group, SHGs formation& management improved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm mechanization • Entrepreneurship development in poultry, duckery and mushroom cultivation Vermi-compost pits
Choromuha	Dharmasala	• Farmers producer group, SHGs formation& management improved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm mechanization • Entrepreneurship development in poultry, duckery and mushroom cultivation Vermi-compost pits
Sunsilo	Sukinda	• Farmers producer group, SHGs formation& management. • Improved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm Mechanization • Entrepreneurship development in poultry, duckery and mushroom cultivation Vermi-compost pits
Fazilpur	Dharmasala	• Farmers producer group, SHGs formation& management improved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm Mechanization • Entrepreneurship development in poultry, duckery and mushroom cultivation Vermi-compost pits

2.1 Priority thrust areas

S. No	Thrust area
1.	Varietal substitution in field and horticultural crops.
2.	Off-season vegetable cultivation.
3.	Popularization of energy rich, high value and cash crops.
4.	Commercial cultivation of fruit, flowers, medicinal and aromatic crops.
5.	Production of quality seed and planting materials in different major crops of the district.
6.	Improved crop management practices in cereals, pulses, vegetables and cash crops.
7.	Post harvest technology and value addition of cereals, pulses, oil seeds, vegetables and fruits.
8.	Farm resource management.
9.	Insect pest disease management.
10.	Drudgery reduction through use of farm implements.
11.	Creating avenues for self-employment through entrepreneurship development.
12.	Family food and nutritional security.
13.	Production and management of organic input.
14.	Farm mechanization
15.	Soil and water conservation.
16.	Poultry, duckery, goatery and dairy farming.
17.	Protected cultivation and precession farming.

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							
12	12	12	SC		ST		Others		Total			20	20	20	SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
12	12	12	10	15	3	8	50	44	63	67	130	20	20	20	10	5	8	9	162	100	180	114	294

Training												Extension activities										
Number of Courses		Number of Participants										Number of activities		Number of participants								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
90	90	90	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
90	90	90	241	46	66	11	1226	509	1488	562	2050	2556	2404	-	68	20	23	6	1728	962	1819	988	2807

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
6	6	1	0	0	0	3	1	4	1	5	120	120	1	0	0	0	2	1	3	1	4

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
240q	240qtl	164934	1.46001

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

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	-	-	-	-	-	-	-
Seminar/conference/ symposia papers	-	-	-	-	-	-	-
Books	-	-	-	-	-	-	-
Bulletins	-	-	-	-	-	-	-
News letter	1	500	-	-	-	-	-
Popular Articles	6	3000	-	-	-	-	-
Book Chapter	-	-	-	-	-	-	-
Extension Pamphlets/ literature	5	5000	-	-	-	-	-
Technical reports	6	600	-	-	-	-	-
Electronic Publication (CD/DVD etc)	12		-	-	-	-	-
TOTAL	36	9100	-	-	-	-	-

3.1 Achievements on technologies assessed and refined

OFT-1

1.	**Title of On farm Trial**	**Assessment of INM in scented rice**
2.	Problem diagnosed	Low yield due to poor nutrient management in scented rice
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: Recommended dose of fertilizer (60-30-30 kg NPK/ha + FYM 2.5 t/ha + Zn 5kg/ha+ S 20kg/ha) TO2: - Recommended dose of fertilizer (60-30-30 kg NPK/ha + FYM 5 t/ha + Zn 5kg/ha+ S 20kg/ha + Azospirilum 5kg/ha + PSM 5kg/ha)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	RRTTS, Bahawanipatna, OUAT 2017
5.	Production system and thematic area	Rice-pulse, INM
6.	Performance of the Technology with performance indicators	Plant height, No. of grains/panicle, No. of tillers, panicle length
7.	Final recommendation for micro level situation	Continued for farm trial in the second year
8.	Constraints identified and feedback for research	Use of FYM, biofertiliser secondary and micronutrients along with RDF enhanced the yield of local scented rice
9.	Process of farmers participation and their reaction	Directly involved in conducting OFT, participated in training, field day, group interaction and agreed to adopt the technology

Thematic area: INM

Problem definition: **Low yield due to poor nutrient management in scented rice**

Technology assessed: INM in scented rice

Table:

Results:

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: Scented rice var. Sitabhog	7	32.5	167	195		32.5	60000	130000	70000	2.16

Use of low dose of fertilizer (40-30-20 kg NPK/ha +FYM 1 t/ha)										
TO1: Recommended dose of fertilizer (60-30-30 kg NPK/ha + FYM 2.5 t/ha + Zn 5kg/ha+ S 20kg/ha)	7	37.9	182	207		37.9	62000	151600	89600	2.44
TO2: - Recommended dose of fertilizer (60-30-20 kg NPK/ha + FYM 5 t/ha + Zn 5kg/ha+ S 20kg/ha + Azospirrilum 5kg/ha + PSM 5kg/ha)	7	41.8	197	235		41.8	63500	167200	103700	2.63

OFT-2

1.	**Title of On farm Trial**	**Assessment of Sulphur management in Greengram**
2.	Problem diagnosed	Low yield due to poor plant growth and pod filling
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1: Recommended dose of fertilizer (20-40-20 kg NPK/ha) + FYM 5 t/ha + sulphur 30 kg/ha (through elemental Sulphur- Bentonite sulphur 90%) TO_2-Recommended dose of fertilizer (20-40-20kg NPK/ha) + FYM 5 t/ha + S 30kg/ha (through Phospo gypsum)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BCKV, 2012
5.	Production system and thematic area	Rice-pulse, INM
6.	Performance of the Technology with performance indicators	Plant ht. (cm), days to 50% flowering, No of tillers/m2, Panicle Length (cm), No of Grains/panicle., Test wt(g)
7.	Final recommendation for micro level situation	Continued for farm trial in the second year
8.	Constraints identified and feedback for research	Supplementation of Sulphur through Phosphogypsum increased the yield of greengram
9.	Process of farmers participation and their reaction	Directly involved in conducting OFT, participated in training, field day, group interaction and agreed to adopt the technology

Thematic area: INM

Problem definition: Low yield due to poor plant growth and pod filling

Technology assessed: **Micro nutrient management**

Table:

Results:

Technology option	No. of trials	Yield component	Yield (q/ha)	% change in yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No of pods/plant						
FP: Use of low dose of fertilizer (20-20-0 kg NPK/ha)	7	19.5	5.5		23500	38500	15000	1.63
TO1: Recommended dose of fertilizer (20-40-	7	22.4	6.4	16.3	24500	44800	20300	1.82

20 kg NPK/ha) + FYM 5 t/ha + sulphur 30 kg/ha (through elemental Sulphur- Bentonite sulphur 90%)								
TO2: Recommended dose of fertilizer (20-40-20kg NPK/ha) + FYM 5 t/ha + S 30kg/ha (through Phospo gypsum)	7	31.4	7.1	29.9	25500	49700	24200	1.94

OFT-3

1.	**Title of On farm Trial**	**Assessment of seedless watermelon varieties**
2.	Problem diagnosed	Less profit from watermelon cultivation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP- Cultivation of variety Sugar baby TO_1- Cultivation of variety shonima. red flesh Triploid, seed less, high yielding (15t/ha), TSS-13-14% unique type, sweet, juicy, longer shelf life and transport quality TO_2- Cultivation of variety Swarna. Yellow flesh, green rind, individual fruit weight 2.5 to 3 kg, 3-4 fruit/plant, yield 15 t/ha, sowing time Oct-Nov TO3-Cultivation of variety Swarna. Yellow flesh, green rind, individual fruit weight 2.5 to 3 kg, 3-4 fruit/plant, yield 15 t/ha, sowing time Oct-Nov.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Kerala Agricultural University, 2016
5.	Production system and thematic area	Vegetable Production, Varietal Assessment
6.	Performance of the Technology with performance indicators	Continuing, Fruit weight, Length of the Fruit, Diameter of the fruit, Nos. of fruit/plant, Yield/plant, Yield/ha, B.C ratio
7.	Final recommendation for micro level situation	Continuing
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	-

Thematic area: Varietal Assessment

Problem definition: Less profit from watermelon cultivation

Technology assessed: Assessment of seedless watermelon varieties

Table:
Results:

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.)						
Continuing										

OFT-4

1.	**Title of On farm Trial**	**Assessment of multiple disease resistant tomato var. Arka Samrat and Arka Abhed**
2.	Problem diagnosed	Low yield and less self life due to cultivation of the tomato var. priya
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1: ArkaSamrat -F1 hyb. with triple disease res. Yields 80-85 t/ha. TO_2:ArkaAbhed F1 hyb. with multiple dis. Res. Yields 70-75 t/ha.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-IIHR-2018
5.	Production system and thematic area	Vegetable-Vegetable, Varietal Assessment
6.	Performance of the Technology with performance indicators	Individual Fruit wt., No. of fruits/plant, Yield/ha, B.C ratio
7.	Final recommendation for micro level situation	Arka Abhed was found to be best w.r.t yield/ha, B.C. ratio and test of the fruit
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Farmers expressed their satisfaction over the performance of the variety in group discussion.

Thematic area:

Problem definition: Low yield and less self life due to cultivation of the tomato var. priya
Technology assessed: Assessment of multiple disease resistant tomato var. Arka Samrat and Arka Abhed

Table:
Results:

Technology option	No. of trials	Yield component		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		individual fruit wt.	No. of fruits per plant					
FP-Tomato var. priya	7	65.82	28.15	275.62	72,500	1,92,934	1,20,434	2.66
TO_1: ArkaSamrat -F1 hyb. with triple disease resistant	7	78.7	30.04	353.96	92,200	2,23,168	1,90,968	3.07
TO_2:ArkaAbhed F1 hyb. with multiple disease resistant.	7	80.0	30.66	367.41	92,200	2,93,928	2,01,728	3.18

OFT-5

1.	**Title of On farm Trial**	**Assessment of foliar application of micronutrient in Bittergourd**
2.	Problem diagnosed	Poor production and quality of fruit due to improper micronutrient management
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1: Foliar application of mixture of nutrients involving Zn, Mo, Cu, Fe &Mn(100 ppm each TO_2:Combined application of micronutrients B and Zn @ 100 ppm each
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT, Annual Report, 2014-15
5.	Production system and thematic area	INM
6.	Performance of the Technology with performance indicators	(Continuing) No of fruits/plant, Individual Fruit wt., Fruit yield/plant, B.C ratio
7.	Final recommendation for micro level situation	-
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	-

Thematic area:

Problem definition: Poor production and quality of fruit due to improper micronutrient management

Technology assessed:

Table:

Results:

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.)						
Continuing										

OFT-6

1.	**Title of On farm Trial**	**Assessment of Arka vegetable special (Micronutrient technology for higher yield & quality in cauliflower)**
2.	Problem diagnosed	Low curd weight and curd size
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP- NPK @120:50:50 kg/ha +Foliar application of micronutrient (3ml./lit) at 30 DAT TO_1- STBF + application of NutrivateArka vegetable special @5g/lit. first spray 25-30 days after planting second spray 25 days after first spray TO_2- STBF +application of NutrivateArka vegetable special + Soil application with 5 kg Arka Microbial consortium mixed with 500kg FYM/ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR, Banglore 2016
5.	Production system and thematic area	Vegetable-vegetable, Nutrient management
6.	Performance of the Technology with performance indicators	Avg.curd weight(gm), shelf life of curd (days), Size of curd
7.	Final recommendation for micro level situation	Converted to FLD for recommendation to line departments
8.	Constraints identified and feedback for research	Application of Arka vegetable special along with AMC powder & chemical

		fertilizer increased yield 21.7% over FP and also increased shelf life 2 days more than farmers practice
9.	Process of farmers participation and their reaction	Field day, farmers scientist interaction, diagnostic field visit

Thematic area: INM

Problem definition: **Low curd weight and curd size**

Technology assessed: Assessment of Arka vegetable special (Micronutrient technology for higher yield & quality in cauliflower)

Table:

Results:

Technology option	No. of trials	Yield component		Yield (q/ha)	% change in yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Avg.curd weight(gm)	shelf life of curd (days)						
FP: NPK @120:50:50 kg/ha +Foliar application of micronutrient (3ml./lit) at 30 DAT	7	694.52	3.78	243.16		88,000	2,43,160	1,61,160	2.76
TO1: RDF + application of Arka vegetable special @5g/lit. first spray 25-30 days after planting second spray 25 days after FS	7	779.94	4.72	272.75	12.1	94,000	2,72,750	1,78,750	2.90
TO2: - RDF +application of Arka vegetable special + Soil application with 5 kg AMC mixed with 500kg FYM/ha	7	846.45	5.65	296.09	21.7	98,000	2,96,090	1,98,090	3.0

OFT-7

1.	**Title of On farm Trial**	**Assessment of nano urea liquid fertilizer in transplanted rice**
2.	Problem diagnosed	Low yield due to Improper use of urea fertilizer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP- 100 % N (as conventional urea application), P and K TO_1- 50 % recommended N + 100 % P and K as basal application and two sprays Nano urea @ 0.2 % tillering and PI stage TO_2- 75 % recommended N + 100 % P and K as basal application and two sprays

		Nano urea @ 0.2% at tillering and PI stage
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO_1- OUAT,(IFFCO project), 2020 TO_2- AAU, Annual report 2019-20
5.	Production system and thematic area	Rice-vegetable
6.	Performance of the Technology with performance indicators	No. of panicles/m2, Test wt. in gm.
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	Application of nano urea enhance the yield 20.09% and reduce the conventional use of urea
9.	Process of farmers participation and their reaction	Field day, farmers scientist interaction, diagnostic field visit and agreed to adopt the technology

Thematic area:

Problem definition: Low yield due to improper use of urea fertilizer

Technology assessed: **Nano urea liquid fertilizer in transplanted rice**

Table:

Results:

Technology option	No. of trials	Yield component		Yield (q/ha)	% change in yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of panicles/m2	Test wt. in gm.						
FP: 100 % N (as conventional urea application), P and K	7	198.5	22.13	41.30		51000	90157	39157	1.76
TO1: 50 % recommended N + 100 % P and K as basal application and two sprays Nano urea @ 0.2 % tillering and PI stage	7	230.6	22.81	45.32	9.73	50650	98933	48283	1.95
TO2: 75 % recommended N + 100 % P and K as basal application and two	7	232	22.92	46.1	11.6	50849	100636	49787	2.0

sprays Nano urea @ 0.2% at tillering and PI stage									

OFT-8

1.	**Title of On farm Trial**	**Assessment of IPM Module for the management of insect pest of rice**
2.	Problem diagnosed	Low yield due to incidence of SB,BPH, LF,WBPH and other pests, Injudicious use of pesticides etc.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP- Application of Chlorantraniliprole 0.4 G @ 10kg/ha and spraying of Chloropyriphos + Cypermethrin @ 1 l/ha TO_1- Nursery treatment with fipronil 0.3G 20Kg/ha + Pheromonetrap installation for pest monitoring + release of T. Japanicum 50,000/ha 6 times and spraying of (Flubendiamide 240 + Thiacloprid 240SC) @300ml twice at tillering and P.I. stage TO2- Nursery treatment with fipronil 0.3G 20Kg/ha + Pheromonetrap installation for pest monitoring + release of T. Japanicum 50,000/ha 6 times + BT spray @ 1kg/ha at eveining hours at 0 & 50 DAT + neem oil spray 0.15% (1500 ppm @ 3 ml /lit at 65 DAT + need based spraying of pesticides (Ethiprole + Imidachloprid) based on pest severity .
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO_1- ICAR-NRRI AR 2019 TO_2- RRTTS, Ranital -21-22
5.	Production system and thematic area	IPM
6.	Performance of the Technology with performance indicators	
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	This IPM module (TO-1) was effectively minimize the infestation of SB, LF, Plant hopper by 69.09,70.1,&75.02% respectively reduction over FP and increased the yield by 15.9 % over the farmer practice .
9.	Process of farmers participation and their reaction	

Thematic area: IPM

Problem definition: Low yield due to incidence of SB,BPH, LF,WBPH and other pests, Injudicious use of pesticides etc.
Technology assessed: Assessment of IPM Module for the management of insect pest of rice
Table:
Results:

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
		Incidence % SB	Incidence % LF	Incidence % BPH						
FP-Spraying of Chloropyriphos + Cypermethrin @ 1 l/ha	7	16.4	11.2	10.1	-	41.5	53500	87150	33500	1.6
TO1- Nursery treatment with Fipronil 0.3G@20kg/ha + soil application Chlorantraniliprole 0.4 G @10 kg/ha at 30 DAT + Need based application of insecticide (Ethiprole +Imidacloprid) @ 150 gm/ ha based on pest severity .	7	5.1	2.8	2.5	15.9	48.1	59500	101010	41510	1.8
TO_2- Nursery treatment with fipronil 0.3G 20Kg/ha + Ph.trap installation for pest monitoring + release of T. Japanicum 50,000/ha 6 times and spraying of (Flubendiamide 240 + Thiacloprid 240SC) @300ml twice at tillering and P.I. stage .	7	8.5	5.3	3.2	13.7	47.2	60500	99120	38620	1.7

OFT-09

1.	**Title of On farm Trial**	**Assessment of IPM modules against fruit fly management in bitter gourd**
2.	Problem diagnosed	Low yield due to heavy fruit incidence

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP- Spraying of Chlor +Cyper @1 lit/ha TO_1- Soil application of chlorpyriphos 1.5 % dust in the inter spaces @ 25 kg/ ha at 30 DAG + Placement and spot application of Jaggery (100g), cartap hydrochloride (2 g) & water (1 liter) poison bait + Installation of cuelure @ 20/ha + Periodic removal and destructions of damaged fruits TO_2- Food bait @ (20 baits/ ha, 100ml/ bait) (Mixture of 1kg cucumber fruit pulp +50g Gur + 100mlcow urine +0.5 lit water and kept for over night, diluted in 5 lit water and added 10 ml malathion) + Pheromone trap with Cue- lure @25 traps / ha installed at 20 DAS (Change of lure at 20 days interval) + foliar spray with Spinosad 45SC @ 20 ml/ ha at 30, 45, 60 and 75 DAS.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO_1- RRTTS, RANITAL-2018 TO_2- RRTTS, Bhubaneswar-2023
5.	Production system and thematic area	Vegetable-vegetable, IDM
6.	Performance of the Technology with performance indicators	wilting incidence %, Plant growth, no of fruits /plant
7.	Final recommendation for micro level situation	Technology needs again refinement in research level
8.	Constraints identified and feedback for research	Low efficacy of technology
9.	Process of farmers participation and their reaction	Directly involved in conducting OFT, participated in training, field day, group interaction and agreed to adopt the technology

Thematic area: IDM

Problem definition: Low yield due to heavy fruit incidence

Technology assessed: Assessment of IPM modules against fruit fly management in bitter gourd

Table:

Results:

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.)						

OFT-10

1.	**Title of On farm Trial**	**Assessment of effectiveness of different extension methods to access information on rice production**
2.	Problem diagnosed	Poor accessibility to accurate and timely information on technical knowledge/advisory in rice production
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP- Farmers getting information from peer group, input dealers, extension functionaries, mass media and, KMA TO_1- Delivering need based technology through Video lecture followed by focus group discussion along with traditional existing extension methods would provide need based information, skill and objective clarification through FGD, along with traditional existing mechanism of transfer of technology TO_2- Providing timely & need based information to farmers regarding situation specific rice varieties, crop management, farm machineries, nutrient and pest management, post harvest management etc., through rice Xpert App along with traditional existing mechanism of transfer of technology
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT, Bhubaneswar
5.	Production system and thematic area	CBD
6.	Performance of the Technology with performance indicators	-
7.	Final recommendation for micro level situation	-
8.	Constraints identified and feedback for research	Rice expert app was found better over TO1 and Farmer Practice
9.	Process of farmers participation and their reaction	-

Thematic area: CBD

Problem definition: Poor accessibility to accurate and timely information on technical knowledge/advisory in rice production
Technology assessed: Assessment of effectiveness of different extension methods to access information on rice production
Table:

Results:

Tech. Options	Understanding Of The Message			Time Based Information			Suitability Of Technology			Increase In Knowledge			User Friendliness		
	HU	PU	LU	T	U	NT	FA	PA	NA	A	D	U	MA	AP	LA
FP	6	18	6	3	11	16	3	09	18	7	2	21	4	8	18
TO1	10	17	3	4	8	18	8	15	7	12	8	10	6	8	16
TO2	19	09	2	26	2	2	18	09	3	17	8	5	21	5	4

OFT-11

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

6.	Performance of the Technology with performance indicators	

Statements based on opinion /view of the farmer	Percentage (%)	FP	TO1	TO2
A Farmer interested to become a member	%	50	73.34	83.34
Joined FPO for better income and Livelihood	%	40	80	86.67
Contribution to share capital	%	43.34	86.67	93.34
Easy to produce crops	%	46.67	80	86.67
Easy to sell produce	%	46.67	73.34	80
Better Participation in the business planning	%	43.34	76.67	83.34
Farmers Participation in FPOs	%	40	80	86.67
Better marketing of the produce	%	46.67	80	86.67
Better participation in the meeting organised by Institution i.e KVK, NABARD etc.	%	43.34	76.67	83.34

7.	Final recommendation for micro level situation	FPO dealing with multi commodity with multi task performed better over TO1 and FP
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	-

Thematic area: CBD

Problem definition:

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

Table:

Results:

Title of the FPO with address	Contact person with contact details	Date of formation	No of members	Type of commodity	Annual profit	Turn over for the last three years
1.Maa Biraja Groundnut Processing Pvt.Ltd Olepada Similia,Jajpur	Kadambini Behera 8895742862	18th March 2016	531	Groundnut	20 lakh	1,1 crore
2.Taradevi Farmer producer company Ltd. Kabirpur jajpur	Saraswati Bala 6370578031	26th August 2020	508	Mushromm,vermicompost,seeedlings,spices etc	10 lakh	80 lakh

Good quality photographs of different treatments:

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.	Maize	IWM	Weeding and hoeing at 15 DAS +use of herbicide Tembotrione 42% SC @287.5 ml/ha at 40 DAS	1	1	2	0	0	0	11	0	13	0	13	
2.	Rice	IWM	Use of herbicide Pyrazo sulphuron ethyl 200g/ha at 3 DAS fb Bispyribac Sodium 200 ml at 25 DAS in rainfed direct seeded rice	1	1	-	-	-	-	11	2	11	2	13	
3.	Rice	INM	STBF NPK + Foliar spray of 0.25% Borax at PI & pre flowering stage	1	1	-	-	-	-	13	-	13	-	13	-
4.	Maize	INM	Application of N:P:K:B:Zn @ 150:75:60:1:5 kg/ ha + Lime 0.1 LR + FYM @ 5 t ha	1	1	-	-	-	-	13	-	13	-	13	-
5.	Maize	IDM	Seed treatment with (cyzapyr + thiamethoxam) @ 6 ml/ kg seed + Installation of bird perches up to 45 DAS + Foliar application of	1	1	-	-	-	-	13	-	13	-	13	-

			tetraniliprole @ 200 ml/ ha at 30 DAS + Whorl application and field placement of Poison baits (10 kg rice bran + 2 kg jaggery+ 2-3 l of water+ 100 g thiodicarb) at 45 DAS												

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Maize	Kharif	Irrigated medium land	Alluvial	165	23	132	Rice	July	December	1200	145
Maize	Kharif	Irrigated medium land	Alluvial	165	23	132	Rice	July	December	1200	145
Maize	Kharif	Irrigated medium land	Alluvial	165	23	132	Rice	July	December	1200	145
Rice	Kharif	Irrigated medium land	Alluvial	165	23	132	Rice	July	December	1200	145
Rice	Kharif	Irrigated medium land	Alluvial	165	23	132	Rice	July	December	1200	145

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: NIL

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
Greengram	IWM	Application of herbicide imazethapyr @750 ml/ha at 15 DAS	13	1	7.0	5.4	29.6	24500	49000	24500	2.0	23000	37800	14800	1.64

Greengram	IDM	Seed treatment with Imidacloprid 600 FS @ 5 ml / kg seed + Yellow sticky trap @ 50/ha + Neem oil 1500ppm @3ml/lit spray on appearance of white fly on YST + Spraying of Diafenthiuron 50 WP @ 600gm./ha	13	1	7.1	5.4	31.4	24500	49700	25200	2.02	20500	37800	17300	1.8
	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
Jute	IDM	Demonstration retting of jute fiber	13	1	35.2	31.5	11.7			57000	140800	83800	2.47	57000	110250	53250	1.93
Sugarcane	IDM	Demonstration on management of Early shoot borer in Sugarcane	13	1	103.8	90.1	15.2	13.4	26.9	103500	285450	181950	2.75	96500	247775	151275	2.56

Tuberose	INM	Demonstration in INM in Tuberose	13	0.4	130.61	102.13	27.9	No. of Flowers/spike-32.26 Length of Spike-57.6 Vase life-7.41	No. of Flowers/spike-25.5 Length of Spike-53.26 Vase life-5.32	92,000	2,61,220	1,69,220	2.83	79,000	2,04,260	1,25,260	2.58
Bannana	Nutrient management	Demonstration on Arka Banana special on yield and quality of fingers	13	1	294.1	253.21	16.21	Finger wt.-159.9gm No of fingers/bunch-81.43	Finger wt.-140.46gm No of finger/bunch-72.72	1,30,000	3,52,920	2,22,920	2.71	1,20,000	3,03,852	1,83,852	2.53
Bittergourd	Production technology	Demonstration of Lean to type trellies in bittergourd for higher production	13	0.4	139.07	104.65	32.89	Fruit wt-60.12 No. of fruits/plant-38.3	Fruit wt-56.6 No. of fruits/plant-33.4	95,500	2,50,326	1,54,826	2.62	70,000	1,56,975	86,975	2.24
Capsicum	Production technology	Demonstration on capsicum variety Arka Athulya	13	0.4	212.14	169.83	25.28	No of fruits/plant-8.63 Fruit wt-86.5	No of fruits/plant-6.6 Fruit wt-73.2	1,20,000	3,81,852	2,61,852	3.2	1,10,000	3,05,694	1,95,694	2.8

Pointed Gourd	INM	Demonstration on Integrated Nutrient Management in Pointed gourd	13														
Papaya	IDM	Demonstration on Management of leaf curl virus disease in papaya	13	1	145	105	38	No. of white fly/3 leaves/plant-49	No. of white fly/3 leaves/plant-1.25	125000	95000						
Bittergourd	IDM	Demonstration on management strategies against the little leaf disease in Bittergourd	13	1	136.1	103.8	31.02	38.92	33.02	62500	149710	87210	2.4	49800	114180	64380	2.2
Colocasia	INM	Demonstration on Integrated nutrient management in colocasia	13	1	133	108	12.0	9.5	56600	200000	143000	3.5	54000	162000	108000	54000	3.0

Ivy gourd	Production technology	Demonstration on high yielding IVY gourd variety Arka Nilachal kunkhi	13	1	220	150		590	470	75000	220000	335000	2.93	60000	150000	116000	2.5
	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			
				Demons Ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
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 :Nil

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

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

Demonstration details on crop hybrids : Nil

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										

Good quality photographs of FLDs

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Maize	The farmers expressed their satisfaction over the performance of weedicide and ensured to apply in future
2	Rice	Use of herbicide Pyrazo sulphuron ethyl has better WCE to the extent of 93.5% and increased yield by 27.6% over FP.
3	IWM in greengram	The farmers expressed their satisfaction over the performance of weedicide and ensured to apply in future.
4	Banana	foliar spray of Arka banana special increased yield 19% over FP and the finger weight increased 12% over FP
5	Potato	Kufri Khyati is early maturing and has given 24.3 % increase in yield over kuyfri jyoti which is highly accepted by the farmers
6	Bittergourd	Lean to type trellis gave more yield than single trellies and accepted by the farmers instead of high initial establishment cost.
7	Capsicum	Capsicum var. Arka Athulya produce 35.79% more yield than capsicum var. California wonder
8	Brinjal	Application of bio-fertilizer enhanced the yield 21.97% and increases the microbial population of soil.
9	Greengram.	Application of Water soluble fertilizer (Urea phosphate) enhanced growth of greengram and also increased the yield by 30.76% over farmers practice
10	Sugarcane	Application of management schedule against early shoot borer in sugarcane enhanced growth of sugarcane increased the yield and % reduction over control of ESB by 15.2% and 50.2% over farmers practice
11	Dal mill	Less labour requirement and less cost of operation.
12	Power weeder	Machine can easily be operated in rows to control weeds but not in between plants.
13	Seed cum fertilizer drill	farmers appreciated the technology as there is scarcity of labour and uniform plant population
14	Mushroom soup powder	The dehydrated mushroom powder can be stored in good condition upto 90 days and the market value of the powder is very high in comparison to direct selling
15	Poultry	Kadakanth has more body weight, egg laying capacity than local bird

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	29.03.2023	1	50	Lean to Type trellis in bittergourd for higher production
2	Field day	22.09.2023	1	20	Mini dal mill
3	Field day	21.12.2023	1	50	INM in brinjal
4	Field day	19.10.2023	1	50	Arka Banana special on yield and quality of fingers
5	Field day	13.10.2023	1	50	Early shoot borer in sugarcane
6	Field day	26.10.2022	1	50	IWM in maize
2.	**Farmers Training**				
1	Farmers training	28.10.2023	1	25	Improved management

					practices in capsicum
2.	Farmers training	20.10.2023	1	25	Use of sprinkler irrigation in pulse
3.	Farmers training	30.12.2023	1	25	INM in brinjal
4.	Farmers training	23.08.2023	1	25	IWM in maize
5.	Farmers training	28.09.2023	1	25	Red rod disease in sugarcane
6.	Farmers training	27.10.2023	1	25	foliar application of urea phosphate in greengram.
7.	Farmers training	12.09.2023	1	25	Cultivation techniques of T.C Banana for higher income
8.	Farmers training	18.12.2023	1	25	Value addition of oyster mushroom
9.					
3.	**Media coverage**				
		-	-	-	
1.	Training for extension functionaries	-	-	-	Arka Banana special on yield and quality of fingers
		-	-	-	-

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2023: Nil and Rabi 2022-23:

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.	Greengram	Local variety (jhainmung)	5.7	315	434	1000	High yielding variety-Virat +Seed treatment with vitavax power @2gm /kg of seeds followed by Seed inoculation with liquid Rhizobium @50 ml./kg	25	10	8.2	6.8	7.6	141.26	75.11	31.57

							of seeds + Soil test based fertilizer applicati on + INM & IPM and use of yellow sticky trap.								

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	High yielding variety- Virat +Seed treatment with vitavax power @2gm /kg of seeds followed by Seed inoculation with liquid Rhizobium @50 ml./kg of seeds + Soil test based fertilizer application + INM & IPM and use of yellow sticky trap.	21500	39900	18400	1.85	24500	53200	28700	2.17

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Greengram Var. Virat	19000	600	70/-	500	300	For day today need	5

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
	High yielding variety- Virat +Seed treatment with vitavax power @2gm /kg of seeds followed by Seed inoculation with liquid Rhizobium @50 ml./kg of seeds + Soil test based fertilizer application + INM & IPM and use of yellow sticky trap.	Yes	Yes	yes	Less market demand by trader	yes	Establishment of processing unit for value addition and awareness about line sowing of seeds

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Greengram var. Virat, 60-65 days duration, INM & IPM	Improved management practices of greengram with var. Virat enhance the yield 7.6 qtl/ha during rabi	Improved management practices of greengram with var. Virat enhance the yield 33.34% over farmers practice.	Farmers are satisfied with variety & the technology

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Meeting & group discussion	21.01.2023	30
2.	Meeting & group discussion	09.01.2023	25
3.	Meeting & group discussion	10.01.2023	20
4.	Field visit & group discussion	24.01.2023	30
5.	Field visit & group discussion	02.02.2023	25
6.	Field visit & group discussion	10.03.2023	25

7.	Field day	28.03.2023	50

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

G. Farmers' training photographs

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

Photographs

<table>
<tr><td>  </td><td>  </td><td>  </td></tr>
<tr><td>Land preparation</td><td>Germination of greengram seed</td><td>Distribution inputs to farmers</td></tr>
<tr><td>  </td><td>  </td><td>  </td></tr>
<tr><td colspan="2">by Seed inoculation with liquid Rhizobium</td><td>Installation of yellow sticky trap</td></tr>
<tr><td>  </td><td>  </td><td>  </td></tr>
<tr><td>Line sowing</td><td>Field visit of Scientists and Line dept. officers</td><td>Field Day</td></tr>
</table>

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input	88,800/-	80,800/-	
	ii) TA/DA/POL etc. for monitoring		3000/-	
	iii) Extension Activities (Field day)		2500/-	
	iv)Publication of literature		2500/-	
	Total	**Rs. 88,800/-**	**Rs. 88,800/-**	

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													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
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)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													

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 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													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	10	5	15	0	0	0	0	0	0	10	5	15
Training and pruning of orchards													
Protected cultivation of vegetable crops	1	10	5	15	0	0	0	0	0	0	10	5	15
Cultivation of flower	1	8	5	13	2	0	2	0	0	0	10	5	15
Commercial fruit production													
Integrated farming	1	8	5	13	2	0	2	0	0	0	10	5	15
Seed production													
Soil Fertility Management	1	12	3	15	0	0	0	0	0	0	12	3	15
Production of organic inputs													
Integrated Crop Management	1	10	2	12	1	1	2	0	1	1	11	4	15
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping	1	8	5	13	2	0	2	0	0	0	10	5	15
Integrated Pest management	1	15	0	15	0	0	0	0	0	0	15	0	15
Sericulture													

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
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													
Others	2	23	5	28	2	0	2	0	0	0	25	0	30
Total	**10**	**104**	**35**	**139**	**9**	**1**	**10**	**0**	**1**	**1**	**113**	**32**	**150**

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	2	5	1	6	24	0	24	0	0	0	29	11	30
Integrated Crop management	2	1	5	6	13	11	24	0	0	0	14	16	30
Soil Fertility Management	2	5	1	6	24	0	24	0	0	0	29	11	30
Rejuvenation of old orchards													
Protected cultivation technology	1	10	5	15	0	0	0	0	0	0	10	5	15
Production and use of organic inputs													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production technology	1	10	5	15	0	0	0	0	0	0	10	5	15
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other	2	5	1	6	24	0	24	0	0	0	29	11	30
Total	**10**	**36**	**18**	**54**	**85**	**11**	**96**	**0**	**0**	**0**	**121**	**59**	**150**

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	4	75	20	95	3	2	5	0	0	0	78	22	100
Resource Conservation Technologies	1	20	2	22	1	1	2	1	0	1	22	3	25
Cropping Systems	1	22	3	25	0	0	0	0	0	0	22	3	25
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production	2	40	5	45	5	0	5	0	0	0	45	5	50
Nursery management													
Integrated Crop Management	4	74	10	84	4	6	10	2	4	6	80	20	100
Soil & water conservation													
Integrated nutrient Management	2	32	8	40	4	3	7	2	1	3	38	12	50
Production of organic inputs													
Others													
Total	**14**	**263**	**48**	**311**	**17**	**12**	**29**	**5**	**5**	**10**	**285**	**65**	**350**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops	1	21	2	23	2	0	2	0	0	0	23	2	25
Off0season vegetables													
Nursery raising	1	3	20	23	0	2	2	0	0	0	3	22	25
Exotic vegetables													
Export potential vegetables	1	18	7	25	0	0	0	0	0	0	18	7	25
Grading and standardization													
Protective cultivation													
Others													
Total (a)	**3**	**42**	**29**	**71**	**2**	**2**	**4**	**0**	**0**	**0**	**44**	**31**	**75**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	1	20	2	22	1	1	2	1	0	1	22	3	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards	2	40	10	50	0	0	0	0	0	0	40	10	50
Plant propagation techniques													
Others	**3**	**60**	**12**	**72**	**1**	**1**	**2**	**1**	**0**	**1**	**62**	**13**	**75**
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants	1	1	0	1	15	9	24	0	0	0	16	9	25
Propagation techniques of Ornamental Plants	1	25	0	25	0	0	0	0	0	0	25	0	25
Others	1	24	0	24	1	0	1	0	0	0	25	0	25
Total (c)	**3**	**50**	**0**	**25**	**16**	**9**	**25**	**0**	**0**	**0**	**41**	**9**	**75**
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others	1	23	0	23	2	0	2	0	0	0	25	0	25
Total (d)	**1**	**23**	**0**	**23**	**2**	**0**	**2**	**0**	**0**	**0**	**25**	**0**	**25**
e) Tuber crops													
Production and Management technology	1	23	0	23	2	0	2	0	0	0	21	4	25
Processing and value addition													
Others													
Total (e)	**1**	**23**	**0**	**23**	**2**	**0**	**2**	**0**	**0**	**0**	**21**	**4**	**25**
f) Spices													
Production and Management technology	1	24	0	24	1	0	1	0	0	0	25	0	25
Processing and value addition													
Others													
Total (f)	**1**	**24**	**0**	**24**	**1**	**0**	**1**	**0**	**0**	**0**	**25**	**0**	**25**
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology	2	38	8	46	2	1	3	1	0	1	41	9	50
Post harvest technology and value addition													
Others													
Total (g)	**2**	**38**	**8**	**46**	**2**	**1**	**3**	**1**	**0**	**1**	**41**	**9**	**50**
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management	4	78	12	90	6	2	8	2	0	2	96	4	100
Integrated water management													
Integrated Nutrient Management	3	70	5	75	0	0	0	0	0	0	70	5	75
Production and use of organic inputs													
Management of Problematic soils	2	42	6	48	2	0	2	0	0	0	44	6	50
Micro nutrient deficiency in crops	2	32	15	47	1	0	1	1	1	2	34	16	50
Nutrient Use Efficiency													
Balance Use of fertilizer	2	45	5	50	0	0	0	0	0	0	45	5	50
Soil & water testing													
Others	1	25	0	25	0	0	0	0	0	0	25	0	25
Total	**14**	**292**	**43**	**310**	**9**	**2**	**11**	**3**	**1**	**4**	**289**	**36**	**350**

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
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management	5	62	50	112	4	5	9	1	3	4	67	58	125
Integrated Disease Management	4	63	27	90	5	2	7	1	2	3	69	31	100
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides	2	45	5	50	0	0	0	0	0	0	45	5	50
Others	3	70	5	75	0	0	0	0	0	0	70	5	75
Total	**14**	**150**	**57**	**207**	**9**	**4**	**13**	**2**	**3**	**5**	**161**	**64**	**350**
VIII. Fisheries													
Integrated fish farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	4	75	14	89	6	3	9	1	1	2	82	18	100
Formation and Management of SHGs	2	0	45	45	0	5	5	0	0	0	0	50	50
Mobilization of social capital													
Entrepreneurial development of farmers/youths	2	35	8	43	5	2	7	0	0	0	40	10	50
WTO and IPR issues													
Others	6	113	29	142	4	2	6	0	2	2	117	33	150
Total	**14**	**223**	**96**	**319**	**15**	**12**	**27**	**1**	**3**	**4**	**239**	**111**	**350**
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

E) RURAL YOUTH (Off Campus)

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

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
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													
Weed Management	4	75	20	95	3	2	5	0	0	0	78	22	100
Resource Conservation Technologies	1	20	2	22	1	1	2	1	0	1	22	3	25
Cropping Systems	1	22	3	25	0	0	0	0	0	0	22	3	25
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production	2	40	5	45	5	0	5	0	0	0	45	5	50
Nursery management													
Integrated Crop Management	4	74	10	84	4	6	10	2	4	6	80	20	100
Soil & water conservation													
Integrated nutrient Management	2	32	8	40	4	3	7	2	1	3	38	12	50
Production of organic inputs													
Others													
Total	**14**	**263**	**48**	**311**	**17**	**12**	**29**	**5**	**5**	**10**	**285**	**65**	**350**
II. Horticulture													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
a) Vegetable Crops													
Production of low volume and high value crops	1	21	2	23	2	0	2	0	0	0	23	2	25
Off-season vegetables													
Nursery raising	1	3	20	23	0	2	2	0	0	0	3	22	25
Exotic vegetables													
Export potential vegetables	1	18	7	25	0	0	0	0	0	0	18	7	25
Grading and standardization													
Protective cultivation													
Others													
Total (a)	**3**	**42**	**29**	**71**	**2**	**2**	**4**	**0**	**0**	**0**	**44**	**31**	**75**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	1	20	2	22	1	1	2	1	0	1	22	3	25
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards	2	40	10	50	0	0	0	0	0	0	40	10	50
Plant propagation techniques													
Others	**3**	**60**	**12**	**72**	**1**	**1**	**2**	**1**	**0**	**1**	**62**	**13**	**75**
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants	1	1	0	1	15	9	24	0	0	0	16	9	25
Propagation techniques of Ornamental Plants	1	25	0	25	0	0	0	0	0	0	25	0	25
Others	1	24	0	24	1	0	1	0	0	0	25	0	25
Total (c)	**3**	**50**	**0**	**25**	**16**	**9**	**25**	**0**	**0**	**0**	**41**	**9**	**75**
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others	1	23	0	23	2	0	2	0	0	0	25	0	25
Total (d)	**1**	**23**	**0**	**23**	**2**	**0**	**2**	**0**	**0**	**0**	**25**	**0**	**25**
e) Tuber crops													
Production and Management technology	1	23	0	23	2	0	2	0	0	0	21	4	25
Processing and value addition													
Others													
Total (e)	**1**	**23**	**0**	**23**	**2**	**0**	**2**	**0**	**0**	**0**	**21**	**4**	**25**
f) Spices													
Production and Management technology	1	24	0	24	1	0	1	0	0	0	25	0	25
Processing and value addition													
Others													
Total (f)	**1**	**24**	**0**	**24**	**1**	**0**	**1**	**0**	**0**	**0**	**25**	**0**	**25**
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology	2	38	8	46	2	1	3	1	0	1	41	9	50
Post harvest technology and value addition													
Others													
Total (g)	**2**	**38**	**8**	**46**	**2**	**1**	**3**	**1**	**0**	**1**	**41**	**9**	**50**

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management	4	78	12	90	6	2	8	2	0	2	96	4	100
Integrated water management													
Integrated Nutrient Management	3	70	5	75	0	0	0	0	0	0	70	5	75
Production and use of organic inputs													
Management of Problematic soils	2	42	6	48	2	0	2	0	0	0	44	6	50
Micro nutrient deficiency in crops	2	32	15	47	1	0	1	1	1	2	34	16	50
Nutrient Use Efficiency													
Balance Use of fertilizer	2	45	5	50	0	0	0	0	0	0	45	5	50
Soil & water testing													
Others	1	25	0	25	0	0	0	0	0	0	25	0	25
Total	**14**	**292**	**43**	**310**	**9**	**2**	**11**	**3**	**1**	**4**	**289**	**36**	**350**
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value													

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
addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management	5	62	50	112	4	5	9	1	3	4	67	58	125
Integrated Disease Management	4	63	27	90	5	2	7	1	2	3	69	31	100
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides	2	45	5	50	0	0	0	0	0	0	45	5	50
Others	3	70	5	75	0	0	0	0	0	0	70	5	75
Total	**14**	**150**	**57**	**207**	**9**	**4**	**13**	**2**	**3**	**5**	**161**	**64**	**350**
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	4	75	14	89	6	3	9	1	1	2	82	18	100
Formation and Management of SHGs	2	0	45	45	0	5	5	0	0	0	0	50	50
Mobilization of social capital													
Entrepreneurial development of	2	35	8	43	5	2	7	0	0	0	40	10	50

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
farmers/youths													
WTO and IPR issues													
Others	6	113	29	142	4	2	6	0	2	2	117	33	150
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	10	5	15	0	0	0	0	0	0	10	5	15
Training and pruning of orchards													
Protected cultivation of vegetable crops	1	10	5	15	0	0	0	0	0	0	10	5	15
Commercial fruit production	1	8	5	13	2	0	2	0	0	0	10	5	15
Integrated farming													
Seed production	1	8	5	13	2	0	2	0	0	0	10	5	15
Production of organic inputs													
Planting material production	1	12	3	15	0	0	0	0	0	0	12	3	15
Vermiculture													
Mushroom Production	1	10	2	12	1	1	2	0	1	1	11	4	15
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition	1	8	5	13	2	0	2	0	0	0	10	5	15
Small scale processing	1	15	0	15	0	0	0	0	0	0	15	0	15
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others	2	23	5	28	2	0	2	0	0	0	25	0	30
Total	**10**	**104**	**35**	**139**	**9**	**1**	**10**	**0**	**1**	**1**	**113**	**32**	**150**

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	2	5	1	6	24	0	24	0	0	0	29	11	30
Integrated Nutrient management	2	1	5	6	13	11	24	0	0	0	14	16	30
Rejuvenation of old orchards	2	5	1	6	24	0	24	0	0	0	29	11	30
Protected cultivation technology													
Production and use of organic inputs	1	10	5	15	0	0	0	0	0	0	10	5	15
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs	1	10	5	15	0	0	0	0	0	0	10	5	15
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	2	5	1	6	24	0	24	0	0	0	29	11	30
Total	**10**	**36**	**18**	**54**	**85**	**11**	**96**	**0**	**0**	**0**	**121**	**59**	**150**

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Crop Production	IWM	Integrated weed management in Jute	1	Off campus	18	7	25	2	0	2
Crop Production	ICM	Nursery management for quality rice seedling production	1	Off campus	21	4	25	2	0	2
Crop Production	INM	INM in rice	1	Off campus	23	2	25	0	2	2
Crop Production	IWM	IWM in maize and sweetcorn	1	Off campus	25	0	25	0	0	0
Crop Production	ICM	IWM in sugarcane	1	Off campus	25	0	25	0	0	0
Crop Production	ICM	Management of problematic soil for higher yield and sustainability	1	Off campus	24	1	25	0	0	0
Crop Production	ICM	Integrated Farming system for livelihood security	1	Off campus	19	6	25	1	1	2
Crop Production	ICM	Improved jute harvesting and retting for quality fiber production	1	Off campus	20	5	25	0	0	0
Crop Production	ICM	Cultivation of stress tolerant rice varieties to mitigate climate change	1	Off campus	24	1	25	0	0	0
Crop Production	INM	INM in groundnut	1	Off campus	22	3	25	1	0	1
Crop Production	IWM	Integrated Nutrient Management in sugarcane	1	Off campus	25	0	25	0	0	0
Crop Production	IWM	Intercropping for higher yield and sustainability	1	Off campus	18	7	25	2	0	2
Crop Production	IWM	Integrated weed management in pulse crops (greengram,black gram)	1	Off campus	21	4	25	2	0	2
Crop Production	INM	Integrated nutrient management in	1	Off campus	23	2	25	0	2	2

		Jute								
Soil Science	Soil fertility management	Technique of soil sample collection & fertilizer management	1	Off campus	40	10	50	4	2	6
Soil Science	INM	Nitrogen management in rice	1	Off campus	25	0	25	0	0	0
Soil Science	INM	INM in maize	1	Off campus	25	0	25	0	0	0
Soil Science	INM	Micronutrient deficiency in rice	1	Off campus	22	3	25	1	0	1
Soil Science	INM	Bio-fertilizer application in Vegetable	1	Off campus	19	6	25	2	1	3
Soil Science	Soil fertility management	Technique of soil sample collection & fertilizer management	1	Off campus	19	6	25	1	1	2
Soil Science	INM	INM in brinjal	1	Off campus	20	5	25	0	0	0
Soil Science	INM	INM in potato	1	Off campus	24	1	25	1	0	1
Soil Science	INM	Bio-fertilizer and their application in cole crops	1	Off campus	20	5	25	0	0	0
Soil Science	INM	INM in Okra	1	Off campus	24	1	25	0	0	0
Soil Science	Soil fertility management	Method lime application in groundnut	1	Off campus	22	3	25	1	0	1
Soil Science	INM	Management of acid soil	1	Off campus	20	5	25	0	0	0
Soil Science	Soil fertility management	Waste decomposer for decomposting paddy straw	1	Off campus	40	10	50	4	2	6
Soil Science	Soil fertility management	Foliar application of urea phosphate in greengram	1	Off campus	25	0	25	0	0	0
Plant Protection	IPM	IPM practices for control of disease in rice	1	Off campus	22	3	25	1	0	1
Plant Protection	IDM	Management of hoppers in rice	1	Off campus	20	5	25	0	0	0
Plant Protection	IPM	IPM on paddy pest	1	Off campus	19	6	25	2	1	3
Plant Protection	IPM	IPM of sucking pest complex in papaya	1	Off campus	19	6	25	1	1	2
Plant Protection	IDM	Management of shoot borer in sugarcane	1	Off campus	20	5	25	0	0	0

Plant Protection	IPM	IPM in maize FAW	1	Off campus	25	0	25	0	0	0
Plant Protection	IPM	Major pest and disease of okra	1	Off campus	22	3	25	1	0	1
Plant Protection	IPM	IPM of brinjal fruit & shoot borer in brinjal	1		22	3	25	1	0	1
Plant Protection	IDM	IDM of groundnut disease	1	Off campus	20	5	25	0	0	0
Plant Protection	IDM	Management of sucking pest in chilli	1	Off campus	19	6	25	2	1	3
Plant Protection	IDM	Management of leaf feeder in cabbage	1	Off campus	19	6	25	1	1	2
Plant Protection	IDM	IDM in bittergourd	1	Off campus	20	5	25	0	0	0
Plant Protection	IPM	IPM of white fly in greengram	1	Off campus	22	3	25	1	0	1
Plant Protection	IDM	Management of white fly in cucurbit	1	Off campus	25	0	25	0	0	0
Horticultur e	Vegetable cultivation	Improved cultivation techniques of Brinjal and Okra	1	Off campus	19	6	25	2	1	3
Horticultur e	Production and manageme nt technology	Sorting, grading & packaging of vegetable	1	Off campus	19	6	25	1	1	2
Horticultur e	Vegetable cultivation	Profitable papaya Cultivation techniques	1	Off campus	20	5	25	0	0	0
Horticultur e	Vegetable cultivation	cultivation techniques of potato	1	Off campus	25	0	25	0	0	0
Horticultur e	Vegetable cultivation	Cultivation techniques of T.C Banana for higher income	1	Off campus	22	3	25	1	0	1
Horticultur e	Vegetable cultivation	Production techniques of marigold& Tube rose	1	Off campus	15	10	25	5	2	7
Horticultur e	Vegetable cultivation	Important medicinal plants and their uses	1	Off campus	18	7	25	3	2	5
Horticultur e	Vegetable cultivation	Cultivation techniques of cauliflower for increasing yield and quality	1	Off campus	20	5	25	1	0	1
Horticultur e	Production and manageme	Improved management practices in	1	Off campus	5	20	25	0	0	0

	nt technology	capsicum								
Horticulture	Vegetable cultivation	Cultivation techniques of onion, garlic	1	Off campus	20	5	25	0	0	0
Horticulture	Production and management technology	Different trellis system in cucurbits	1	Off campus	25	0	25	0	0	0
Horticulture	Vegetable cultivation	Pointed gourd cultivation for higher income	1		22	3	25	1	0	1
Horticulture	IFS	Vegetable based Integrated farming system for increasing income	1		5	20	25	0	0	0
Horticulture	Production and management technology	Scientific cultivation techniques of betel vine	1	Off campus	19	6	25	2	1	3
Agril. Extension	CBD	Formation and management of farmers producer group	1	Off campus	25	0	25	0	0	0
Agril. Extension	CBD	Management of SHGs	1	Off campus	25	0	25	0	0	0
Agril. Extension	CBD	Organic farming and its role in sustainable development	1	Off campus	25	0	25	0	0	0
Agril. Extension	CBD	Climate resilient technology for sustainable development	1	Off campus	18	7	25	2	4	6
Agril. Extension	CBD	Income generation activities of SHGs	1	Off campus	20	5	25	0	1	1
Agril. Extension	CBD	Alternative livelihood options for resource poor farm family	1	Off campus	5	20	25	0	0	0
Agril. Extension	CBD	Role and importance of ITKs in agricultural development	1	Off campus	22	3	25	1	0	1
Agril. Extension	CBD	Role and importance of ICT in agricultural development	1	Off campus	20	5	25	0	0	0
Agril. Extension	CBD	Alternative livelihood options for resource poor	1	Off campus	19	6	25	2	1	3

		farm family								
Agril. Extension	CBD	Role and importance of farm records in agricultural development	1	Off campus	19	6	25	1	1	2
Agril. Extension	CBD	Role and importance of ICT in agricultural development	1	Off campus	20	5	25	0	0	0
Agril. Extension	CBD	Scientific cultivation of groundnut	1	Off campus	25	0	25	0	0	0
Agril. Extension	CBD	Scientific cultivation of greengram	1	Off campus	25	0	25	0	0	0
Agril. Extension	CBD	Formation and management of farmers producer group	1	Off campus	25	0	25	0	0	0

H) Vocational training programmes for Rural Youth

a) Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
	ICM	Integrated Farming System for Livelihood security	3	12	3	15			5	
	ICM	Seed production for higher income	3	13	2	15	-	-	1	
	ICM	Azolla production technique	3	11	4	15	-	-	8	
	Soil fertility management	Method of vermicomposting	3	10	5	15			3	
	IPM	Preparation of Bio-agent	3	15	0	15	-	-	4	
	IPM	Beekeeping for enhancing rural income	3	9	6	15			5	
	Nursery raising	Improved method of seedling production technique	3	10	5	15	-	-	3	
	Cultivation of flower	Commercial flower cultivation especially Exotic	3	15	0	15			6	

		flower								
	CBD	Entrepreneurship development	3	10	5	15			3	
	CBD	Farming system approach	3	14	1	15	-	-	4	

*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	1	9	6	15	0	0	0	0	0	0	9	6	15
Commercial fruit production													
Commercial vegetable production													
Integrated crop management	1	12	3	15	0	0	0	0	0	0	12	3	15
Organic farming	1	11	3	15	1	0	0	0	0	0	12	3	15
Other	1	8	7	15	0	0	0	0	0	0	8	7	15
Total	**4**	**40**	**19**	**55**	**1**	**0**	**0**	**0**	**0**	**0**	**41**	**19**	**60**
Post harvest technology and value addition													
Value addition	1	0	15	15	0	0	0	0	0	0	0	15	15
Other	2	15	10	25	5	0	5	0	0	0	20	10	30
Total	**3**	**15**	**25**	**40**	**5**	**0**	**5**	**0**	**0**	**0**	**20**	**25**	**45**
Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting	1	11	4	15	0	0	0	0	0	0	11	4	15
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	**1**	**11**	**4**	**15**	**0**	**0**	**0**	**0**	**0**	**0**	**11**	**4**	**15**
Agricultural Extension													
Capacity building and group dynamics	1	15	0	15	0	0	0	0	0	0	15	0	15
Other	1	15	0	15	0	0	0	0	0	0	15	0	15
Total	**2**	**30**	**0**	**30**	**0**	**0**	**0**	**0**	**0**	**0**	**30**	**0**	**30**
Grand Total	**10**	**96**	**48**	**140**	**6**	**0**	**5**	**0**	**0**	**0**	**102**	**48**	**150**

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													
Grand Total													

Good quality photographs of training activity:

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	10	430	40	470	20	6	6	12	436	46	482
Kisan Mela	-										
Kisan Ghosthi	-	-	-	-	-	-	-	-	-	-	-
Exhibition											
Film Show	42	482	110	592	-	23	12	35	505	122	627
Method Demonstrations	4	30	7	37	10	2	3	5	32	12	42
Farmers Seminar											
Workshop	6	123	25	148		17	4	21	140	29	169
Group meetings											
Lectures delivered as resource persons	25	435	179	614	10	12	8	10	447	187	634
Advisory Services	41	18025	4975	23000							23000
Scientific visit to farmers field	378	478	156	634	15	-	-	-	478	156	634
Farmers visit to KVK	1067	772	295	1067	12	-	-	-	772	295	1067
Diagnostic visits	30	380	70	450	10	12	5	17	392	75	
Exposure visits	10	20	120	140	4	-	-	-	20	120	140
Ex-trainees Sammelan	1	22	10	32	-	-	-	-	22	10	32
Soil health Camp											
Animal Health Camp	1	23	12	35	-	2	-	2	25	12	37
Agri mobile clinic											
Soil test campaigns	3	68	7	75	5	-	-	-	68	7	75
Farm Science Club Conveners meet	2	50	-	50	5	-	-	-	50	-	50
Self Help Group Conveners meetings	2	-	50	50	-	-	-	-	-	50	50
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)											
Sankalp Se Siddhi											
Swatchta Hi Sewa	2	15	5	20	-	2	-	2	17	5	22
Mahila Kisan Divas											
Any Other (Specify)	1	15	-	15		5	-	5	20	0	20
World soil day	1	9	1	10	-	3	2	5	12	3	15
Mahilakisan diwas	1	0	25	25	-	-	-	-	0	25	25
Total	**1627**	**21377**	**6087**	**27464**	**91**	**84**	**40**	**114**	**3436**	**1154**	**27121**

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	21
Radio talks	6
TV talks	64
Popular articles	-
Extension Literature	8
Other, if any	-

Good quality photographs of Extension activity:

3.5 a. Production and supply of Technological products

Village seed: NA

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
Paddy	Kalachampa	240qtl									
Grand Total											

Good quality photographs of seed production:

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Vegetable seedlings											
Cauliflower		400	1000/-	39	48	117	204	39	48	117	204
Cabbage											
Tomato		14500	36,250/-	25	28	136	189	25	28	136	189
Brinjal		9834	14751/-	4	7	13	24	4	7	13	24

Chilli		1000	1500/-	12	18	105	135	12	18	105	135
Onion		100000	10,000/-	25	28	136	189	25	28	136	189
Capsicum		7500	30,000/-	4	7	13	24	4	7	13	24
Brocolli		800	2000/-	19	25	119	163	19	25	119	163
Others											
Fruits											
Mango											
Guava											
Lime											
Papaya		600	15000/-	17	25	55	97	17	25	55	97
Drumstick		300	4500/-	12	18	105	135	12	18	105	135
Banana		10 bunhes	1000/-	25	28	136	189	25	28	136	189
Others											
Ornamental plants											
Tuberose											
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuberose		30,000	30,000/-	17	25	55	97	17	25	55	97
Elephant yams											
Fodder crop saplings											
Forest Species											
Others, pl. specify											
Total		**164934**	**1,46,001/-**	**205**	**264**	**1067**	**1536**	**205**	**264**	**1067**	**1536**

Good quality photographs of planting materials:

Production of Bio-Products

Name of product	Quantity (Kg)	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers										
Bio-pesticide	4000	80000/-	150	40	0	0	135	45	285	85
Bio-fungicide										
Bio-agents										
Others, please specify.										
Total	**4000**	**80000/-**	**150**	**40**	**0**	**0**	**135**	**45**	**285**	**85**

Good quality photographs of bio-products:

Production of livestock materials

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

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

Good quality photographs of livestock and fisheries:

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

i) Name of Seed Hub Centre:NA

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

ii) Quality Seed Production Reports: NA

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

Summer/Spring 2023						
Kharif 2023						
Rabi 2022-2023						

iii) Financial Progress: NA

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

iv)Infrastructure Development: NA

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper				
Seminar/conference/ symposia papers				
Books				
Bulletins				
News letter	Sabuja Swapna	Dr. Sunil Kumar Mohapatra Mr. Subrata Kumar Panigrahi	1	500
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature	Dhana Phasalare Roga o Poka Parichalana Dali jatiya Phasala re Samanitwa Roga poka Niyantrana Muga phasala re sammanniwata upayare roga poka parichalana	Dr. Sunil Kumar Mohapatra Mr.Bijaya Kumar Routaray Dr.Sunil Kumar Mohapatra Mr.Bijaya Kumar Routaray Mr. Subrata Kumar Panigrahi Dr.Lalit Ku Mohanty	3	1140
Technical reports	Annual report, Action plan, SAC report,		6	

	CFLD oil seed & pulse report, OMBADC report, SCSP report			
Electronic Publication (CD/DVD etc.)	1.Use of drip irrigation and mulching in vegetable 2. Mushroom Cultivation 3.Weed mgt. in paddy		3	
TOTAL				

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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Training cum orientation on commercial vegetable seed production in Odisha	Training cum orientation on commercial vegetable seed production in Odisha	Dr. Sunil Ku. Mohapatra	11.10.22 to 12.10.22	CHES, BBSR
2.	Training on small tools and equipment under SCSP	Training on small tools and equipment under SCSP	Dr. Sunil Ku. Mohapatra Dr. Bijayalaxmi Mohanta	1.10.22	village - Karanjiari
3.	SLREC-2023 Meeting	SLREC-2023 Meeting	Dr. Sunil Ku. Mohapatra	8.05.2023 to 10.05.2023	DEE, OUAT, BBSR
4.	Participated in the International Convention on Millets	Participated in the International Convention on Millets	Mr. Subrata Ku. Panigrahi	9.11.2023	Govt. of Odisha
5.	Farmers Scientist Interaction programme at Jajpur		Mr. Lalit Kumar Mohanty Mr. Subrata Ku. Panigrahi		
6.	Winter school on strengthening startup and Agribusiness Ecosystem through advance methods	Winter school on strengthening startup and Agribusiness Ecosystem through advance methods	Mr. Subrata Ku. Panigrahi	15.02.2023 to 07.03.2023	NRRI, Cuttack
7.	Workshop on rejuvenating extension system of Agricultural transformation	Workshop on rejuvenating extension system of Agricultural transformation	Dr. Sunil Ku. Mohapatra Mr. Subrata Ku. Panigrahi	25.08.2023	DEE, OUAT, BBSR
8.	Agri Journalism Conclave	Agri Journalism Conclave	Mr. Subrata Ku. Panigrahi	11.12.2023	DEE, OUAT, BBSR
9.	Refresher training cum	Refresher training cum exposure visit	Mr. Subhashis Dash Mr. Bijay Ku. Routray	27.3.23 to 28.3.23	DEE, OUAT, BBSR

	exposure visit (IFS for sustainable Agriculture & livelihood security)	(IFS for sustainable Agriculture & livelihood security)			
10.	Capacity building training programme on "Drone technology"	Capacity building training programme on "Drone technology"	Mr. Bipra Ch. Swain	23.3.23 to 25.3.23	DEE, OUAT, BBSR
11.	Winter school training programme "Strengthening startup & Agribusiness Eco system through advance methods"	Winter school training programme "Strengthening startup & Agribusiness Eco system through advance methods"	Mr. Subrata Ku. Panigrahi	15.2.23 to 07.3.23	NRRI, Cuttack
12.	Training programme on Short video production"	Training programme on Short video production"	Mr. Subrata Ku. Panigrahi	15.12.22 to 17.12.22	DEE, OUAT, BBSR
13.	Refresher training on "Early childhood care for working women"	Refresher training on "Early childhood care for working women"	Dr. Babita Mishra Dr. Bijayalaxmi Mohanta	7.02.23 to 8.02.23	College of Community Science, OUAT, BBSR
14.	Refresher training on "Integrated pest management of horticultural crops"	Refresher training on "Integrated pest management of horticultural crops"	Dr. Babita Mishra Mr. Bijay Ku. Routray	16.1.23 to 18.1.23	DEE, OUAT, BBSR

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	Sisira Kumar Rout
Address	Village- Bahabalapur Block- Rasulpur Dist- Jajpur
Contact details (Phone, mobile, email Id)	
Landholding (in ha.)	3
Name and description of the farm/ enterprise	Hi-tech vegetable cultivation
Economic impact	Rs3.0 lakh/annum
Social impact	Now he is maintaining a good social life. The farmer has developed interest to know about different modern technologies available for increasing production of different vegetables.
Environmental impact	
Horizontal/ Vertical spread	31%

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

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
Paddy	Use of rotten snail for gandhibhog	Less costly eco-friendly	
Paddy	Alley cropping for BPH management	Low cost technology	
Greengram	Use of colourful pots for Pest management	Low cost technology	

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)
1.	Vegetable crop	5	50q	3	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

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

Sl. No	Name of the Equipment	Qty.
1.	Nitrogen analyzer	1
2.	PH meter	1
3.	Mridaparikhyak	2
4.	Spectro photo meter	1
5.	EC	1
6.	Flame photometer	1
7.	Electronic Balance	1
8.	Stabilizer	1
9.	Rotary flask shaker	1
10.	Flame photometer	1
11.	Distilation unit	1
12.	Mini Soil kit	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			

-	978	978	5708	22	6620

3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1.	Celebration on World Soil Day	50	-	-	50	50

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

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: NA

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

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

No of student trained	No of days stayed
75	No

ARS trainees trained	No of days stayed
NIL	NIL

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

Date	Name of the person	Purpose of visit
06.08.2022	Dr. Avijit Haldar Principal Scientist, ICAR-ATARI, Kolkata	Attended Launching Programme on Agro-forestry project cum Awareness training programme
29.10.2022	Prof. Prasanjit Mishra DEE, OUAT, BBSR & Dr. Sanat Mishra Principal Investigator, CBSAE Development Project, OUAT, Bhubaneswar	KVK Visit for CBSAE development project
30.11.2022	Prof. Pravat Kumar Roul Hon'ble Vice Chancellor, OUAT, BBSR	KVK Visit & interaction with Scientists
9.12.2022	Prof..Amaresh Khuntia JDE(DE & M)	Attended SAC meeting of KVK
24.01.2023	Dr. Hemanta Ku. Sahoo Deputy Director Extension, DEE, OUAT, BBSR	KVK Visit & interaction with Scientists

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)
Demonstration on INM in	13	65	40,500	60,500

maize				
Management of sheath blight in rice	13	75	20,100	32000
Demonstration on groundnut var. Dharani	25	68	40000	55000
Demonstration of paddy straw mushroom	10	68	Rs. 550/10 nos bed	Rs. 780/- per 10 nos.bed (net profit)
Application of Sulphur in groundnut	13	63	38400/ha	53,675/ha
Demonstration on Oyster mushroom *H. ulmarius*	10	78	647/10 bag (net profit)	Rs. 1100/- per 10 bag (net profit)
Improved variety poultry Kadaknath	13	70	1700	4200
Tractor operated seed cum fertilizer drill for sowing groundnut	13	55	43390/ha	54500/ha
Tractor operated axial flow thresher for threshing paddy	5	50	27000/ha	29000/ha
Tomato variety ArkaRakshak	13	41	92500/ha	180000/ha
biological control of shoot and fruit borer in Brinjal	13	55	105000/ha	1,48000/ha
IWM in greengram	13	25	7500ha	9700/ha

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
Integrated management practices for management of stem borer in paddy	18,500ha
Application of Sulphur in groundnut	12000 ha
Demonstration on Integrated Disease Management (Tricyclozole +Propiconazole) against sheath Blight in paddy	70000 ha
Demonstration of paddy straw mushroom	67 villages
Tractor operated seed cum fertilizer drill for sowing groundnut	4000ha
Tractor operated axial flow thresher for threshing paddy	10000ha
Improved variety Rainbow rooster rearing	210 unit
Demonstration on onion var. Agrifound light red	128ha
Demonstration on groundnut var. Devi	500 ha
Demonstration on tomato var. ArkaRakshak	200 ha
Biological control of fruit shoot borer in brinjal	250 ha
IWM in greengram	100 ha

Give information in the same format as given below

Name of farmer	
Address	

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

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

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

4.4. Details of innovations recorded by the KVK

Thematic area	Fish Seed Production
Name of the Innovation	Mr. Banamali Rout
Details of Innovator	NUTRIFLAV- FLAVOURED FISH FEED
Back ground of innovation	
Technology details	▪ Take a bowl (large bowl) and put polished rice bran one layer at bottom of the pot. ▪ place bulk of cowdung (fresh) layer on it & then, mustard oil cake layer, then rice/dal/sattu mill's waste dust & at last one layer of sodium bicarbonate ($NaHCO_3$) ▪ Again the cascade of layer stack will start from polished rice bran pour & the fresh/decompose dung over it. ▪ At last add required quantity of water to it & allow for leaching through different layer for minimum of 6 days ▪ Then the final product is ready to eat flavoured nutritive fish feed & can be applied to pond as feed to fish by bamboo basket.
Practical utility of innovation	1. Cost of production is only Rs.960/- per 1qtl. against Rs.3500/- per qtl. Commercial fish feed. 2. Net profit increased to Rs.65,000/- from Rs.10,000/- per annum.

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
Orissa University of Agriculture and Technology	Technical support and guidance
Department of Agriculture and food production	Joint Field visit during disease and pest problem
Department of Animal husbandry	Organization of Animal health camp
Department of Horticulture	Joint field visit
ATMA	Conduction of farmers scientist interaction program
NABARD	Linking the entrepreneurs to NABARD for financial support
IFFCO	Working jointly for farmers.
OLM	Linking the entrepreneurs to OLM
CRIJAF	Procurement Planting material, seeds
Watershed mission	Working jointly for farmers field visit
Mission Shakti	Training Programme
ICAR-NRRI, Cuttack	Procurement of agro-ecosystem based paddy varieties for popularization
CIMMYT	Popularization of climate resilient maize hybrids
IRRI, BBSR	Demonstration of stress tolerant paddy varieties
Odisha Livelihood Mission	FPO Group Formation, Technical support
ATMA, Jajpur	BGREI Monitoring and Field visit
OMBADC	Training, demonstration, infrastructure development
Dept. of Agriculture, Jajpur	Creating awareness for BPH control, collaborative celebration of special days, Resource Person for HRD training

5.2. List of special programmes undertaken during 2023 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.)
Capacity building training under OMBADC	ICT center (25 seated video conference room)	12.12.2023	Dept.of Agriculture, GoO	20,58,000/-
Capacity building training under OMBADC	Conference Hall-100 theater type	12.12.2023	State Govt.	75,16,000/-

(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	Year of estt.	Area (Sq.m	Details of production	Amount (Rs.)	Rem arks

	Unit		t)	Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Polyhouse	2011	174 sq.m	Brinjal Var. JK-80-31	PM	20000	7415	17500	
2.				Papaya Var. Red lady, Swapna	PM	1048	7000	26200	
3.				Tomato var. Arka Rakshak, Arka Abhed	PM	15000	9650	15000	
4.				Cauliflower Var. Indam Poornima	PM	1000	318	500	
5.				Broccoli Var. NS-50, F1 Hybrid	PM	500	310	500	
6.				Capsicum Var. Arka Athulya	PM	5700	6150	22800	
7.				Onion Var. Agri found light red	PM	60000	2000	6000	
				Chilli Var. Diaya, Siam hot	PM	4500	1200	6000	
				Tuberose Var. Calcutta double	PM	25000	730	25000	
				Drumstick Var. DOC-3	PM	500	1750	5000	
	Total			-	-	**133248**	-	-	-

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	
Paddy	03.08.2023	22.12.2023	6	Kalachampa	FS	240	4,72,079	7,80,000 (Approx.)	

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	50.5 qtl.	8000	75105	
2.	Vermi worm	30 kg	-	15000	

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

Sl.	Name	Details of production	Amount (Rs.)	Remarks

No	of the animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Poultry		Chicks	960	34950	81600	
2.	Fingerlings			5000 nos.	4890	20000	

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
December 2023	200	60	
Total :	200	60	

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:

No. of staff quarters: 01

Date of completion: 2011

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
SURAVI FLEXI ACCOUNTS	State Bank of India	SBI, Chandikhol, Jajpur	11016309099
SAINGS BANK ACCOUNT			32039806804

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

Item	Released by ICAR		Expenditure		Unspent balance as on -1st April 2023
	Kharif	Rabi	Kharif	Rabi	
					-

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2013
	Kharif	Rabi	Kharif	Rabi	
CFLD Pulse (Greengram)		90,000/-		90,000/-	

7.4 Utilization of KVK funds during the year 2023-24 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	1,76,00,000/-	1,62,00,015/-	15609420/-
2	Traveling allowances	1,50,000/-	1,50,000/-	85903/-
3	Contingencies			
A	OE/POL	31,00,000/-	24,50,000/-	1848797/-
B	Training and Training Material			
C	FLD			
D	OFT			

E	SCSP			
F	Equipment and Furniture (NR)	1,00,000/-	1,00,000/-	-
G	Repairing and Renovation of Admn. Building (Works)	9,95,000/-	9,95,000/-	-
H	Repairing and Renovation of staff quarters (Works)	9,99,000/-	9,99,000/-	-
I	Library (NR)	10,000/-	10,000/-	10000/-
	Swachhta Expenditure	34,000/-	32,800/-	32800/-
TOTAL (A)				
B. Non-Recurring Contingencies				
1	Office Equipment and Furniture	1,00,000/-	1,00,000/-	
2	Repairing and Renovation of staff quarters	9,95,000/-	9,95,000/-	
3	Repairing and Renovation of Adm. Building	9,99,000/-	9,99,000/-	
4	Library (NR)	10,000/-	10,000/-	
TOTAL (B)		**21,04,000/-**	**21,04,000/-**	
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2019-20	3,78,672/-	3,82,903/-	6,82,806/-	
2020-21	76,944/-	13,35,610/-	11,61,468/-	
2021-22	5,01,063/-	9,32,550/-	5,00,087/-	
2022-23	1,34,227/-	6,22,775/-	5,80,892/-	
2023-24	1,51,110/-	13,12,761/-	6,47,632/-	

7.6. (i) Number of SHGs formed by KVKs

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities: Mushroom production, Vermi-composting, Value addition, Fish Fingerlings production, Nurseryraising

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

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
Animal health camp	1	Rabi	Dept. of Animal Husbandary and KVK		
Poshan Maah programme	1	Kharif	IFFCO and KVK		
Joint field visit was conducted for monitoring insect pest attack in paddy	8	Kharif, Rabi	Dept. of Agriculture and KVK	With ATMA	
Celebration of World soil Day, Akshya Trutiya	1		CDAO, Jajpur		
Exposure field visit to KVK, Frontline demonstration, Field day on successful FLD, OFT, In-service	7	Rabi	Dept. of Horticulture and KVK		

training involving line depratment officers conducted by KVK, verification of QPM, Diagnostic field visit					
District level Research Extension Meeting	11		Dept. of Agriculture and KVK		

8. Other information

8.1. Prevalent diseases in Crops

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)
BLB	Paddy	2nd week of August	1000	-	Field visit and recommendation of suitable control measures
Sheath Blight	Paddy	1st week of Sept.	800	-	Conducted demonstration, field visit and recommended of suitable control measures
Root rot	Greengram	1st week December	300	-	Field visit and recommendation of suitable control measures
BLB	Paddy	2nd week of August	1000	-	Field visit and recommendation of suitable control measures

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/Morbidity rate (%)	Number ofanimals vaccinated	Preventive measures taken in pond (in ha)
Argulous	Rohu, Mrigal	2nd week of December	20	-	Application of cypermethrin and dimethrin to control argulous in pond

9.1. Nehru Yuva Kendra (NYK) Training: NA

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

9.2. PPV & FR Sensitization training Programme-NA

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

				registration

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

Type of message	No. of messages	No. of farmers covered
Crop	25	23000
Livestock	3	
Fishery		
Weather	4	
Marketing		
Awareness	4	
Training information		
Other	1	
Total	37	23000

9.4. *KVK* Portal and Mobile App

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

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
28.09.2023 30.09.2023 2.10.2023 3.10.2023	Office campus cleaning Demo unit cleaning IFS unit cleaning Farmers hostel cleaning and swiping

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	1	4500
2. Basic maintenance	-	
3. Sanitation and SBM	1	3500
4. Cleaning and beautification of surrounding areas	1	2500
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	1	3500
6. Used water for agriculture/ horticulture application	1	2250
7. Swachhta Awareness at local level	1	1000
8. Swachhta Workshops	-	-

9. Swachhta Pledge	-	-
10. Display and Banner	-	-
11. Foster healthy competition	-	-
12. Involvement of print and electronic media	-	-
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	100	-
14. No of Staff members involved in the activities	15	-
15. No of VIP/VVIPs involved in the activities	0	-
16. Any other specific activity (in details)		-
Total	**6**	**17250**

9.6. Observation of National Science day -NA

Date of Observation	Activities undertaken

9.7. Programme with Seema Suraksha Bal/ BSF: NA

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
UP School, Badachana	07.07.2023	1 school	Projector and laptop
High School, Badchana	14.10.2023	1 school	Projector and laptop

Give good quality 1-2 photograph(s)

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

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

Please provide good quality photographs:

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

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1.					

Please provide good quality photographs:

9.11. Details of Mahila Kisan Divas programme organized :

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

Please provide good quality photographs:

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

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1.	Mr. Rabindra Khatua	At- Mangarajpur PO-Kiama PS- Dharmasala Block- Dharmasala, Dist- Jajpur PIN- 755008, Mob:9439036812 9937765012	A multipurpose organic product forbitter gourd and pointed gourd
2.	Mr. Ganeswar Sahoo	At- Hatakaranda PO- Sakuntalapur Block- Badachan Dist- Jajpur PIN- 754296 Mob:8658607390, 9827949766	Dual mode organic fertilizer for vegetable crops
3.	Mr. Banamali Rout	At- Digambarpur, Po- Dharmasala Block- Dhrmasala, Dist- Jajpu PIN- 755008 Mob No.- 9090358272	Flavored fish feed

9.13. Revenue generation:

Sl. No.	**Name of Head**	**Income(Rs.)**	**Sponsoring agency**
1.	Training hall, Farmers hostel and Audio-Visual charge	94,700/-	FIAC,BTT CONVENOR

9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK : NA

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

9.16. Contingent Crop Planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Odisha	Jajpur	ICM	5	52	1. KVK Jajpur has organized 5 no. of group meetings in flood affected areas of Dharmasala, Badachana block involving the local farmers. It was suggested to cultivate maize, Blackgram & vegetable crops due to damage of the rice crop in flood. 2. Community Vegetable nursey raising.

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

a) Year:

b) Introduction /General Information:

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

Please provide good quality photographs:

11. Details of DAPST/ TSP-NA

a. Achievements of physical output under TSP during 2023

Progress of DAPST for the year 2023 (Jan. to Dec., 2023)

Name of KVK				
Sl.No.	***Item/Activity***	***Units***	***Targets/Achievements***	***No. of Beneficiaries***

				Annual Targets	*Achievements*	*Annual Targets*	*Achievements*
1	**Trainings (Capacity building/ Skill Development etc.)**		No.				
	1.1	1-3 days	No.				
	1.2	4-10 days	No.				
	1.3	2-4 weeks	No.				
	1.4	More than 4 weeks	No.				
2	**On Farm Trials (OFTs)**		No.				
3	**Front Line Demonstrations (FLDs) and other demonstrations**		No.				
4	**Awareness camps, exposure visits etc.**		No.				
5	**Input Distribution**						
	5.1	Seeds (Field Crops)	Tonnes				
	5.2	Seeds (High Value Crops, spices etc.)	Kg				
	5.3	Seeds (Root & Tuber Crops)	Tonnes				
	5.4	Nursery plants	No.				
	5.5	Cutting , slips, suckers, etc	No.				
	5.6	Mushroom Spawns/ Bio-Fertilizers (in Packets)	Packets				
	5.7	Honey Bee Colonies	No.				
	5.8	Animals-large (Cattle/ Buffalo/ camel/horse/donkey/Mithun/Yak etc.)	No.				
	5.9	Animals-small (pig, sheep, goat etc.)	No.				
	5.1	Poultry chicks / duckling etc	No.				
	5.11	Fish Spawns/ fingerlings	No.				
	5.12	Small equipment's (upto Rs 2000)	No.				
	5.13	Medium Equipment's/ machinery (upto Rs 25000)	No.				
	5.14	Large Equipment's / machinery (> Rs. 25000)	No.				
	5.15	Infrastructure / Civil Works/ Ponds etc	No.				
	5.16	Setting up plant nursery/ seed farm/ hatchery	No.				
	5.17	Land development/ Reclamation / Conservation	Hectares				
	5.18	Fertilizers (NPK)/ Secondary fertilizers	Tonnes				
	5.19	Micro nutrients	Tonnes				
	5.2	FYM/ Vermicompost	Tonnes				
	5.21	Soil amendments (Gypsum, lime etc.)	Tonnes				
	5.22	Plant protection chemicals	Kg				
	5.23	Plant growth Promoter	Kg				
	5.24	Animal Feed	Tonnes				
	5.25	Animal Fodder	Tonnes				

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

b. Fund received under TSP in 2023-24 (Rs. In lakh):

12. Details of DAPSC/ SCSP

a. Achievements of physical output under SCSP during 2023

Progress of DAPSC for the year 2023 (Jan. to Dec., 2023)

Name of KVK						
Sl.No.	***Item/Activity***	***Units***	***Targets/Achievements***		***No. of Beneficiaries***	
			Annual Targets	***Achievements***	***Annual Targets***	***Achievements***
1	**Trainings (Capacity building/ Skill Development etc.)**	No.				
	1.1 1-3 days	No.	27	27	675	675
	1.2 4-10 days	No.	-	-	-	-
	1.3 2-4 weeks	No.	-	-	-	-
	1.4 More than 4 weeks	No.	-	-	-	-

2	**On Farm Trials (OFTs)**		No.				
3	**Front Line Demonstrations (FLDs) and other demonstrations**		No.	29	29	400	400
4	**Awareness camps, exposure visits etc.**		No.				
5	**Input Distribution**						
	5.1	Seeds (Field Crops)	Tonnes	20t			
	5.2	Seeds (High Value Crops, spices etc.)	5.5Kg	5.5 kg	5.5kg		
	5.3	Seeds (Root & Tuber Crops)	Tonnes	400kg	400kg		
	5.4	Nursery plants	No.	48150	48150		
	5.5	Cutting , slips, suckers, etc	No.	200 bananna sucker	200 bananna sucker		
	5.6	Mushroom Spawns/ Bio-Fertilizers (in Packets)	Packets				
	5.7	Honey Bee Colonies	No.				
	5.8	Animals-large (Cattle/ Buffalo/ camel/horse/donkey/Mithun/Yak etc.)	No.	1000	1000	1000	1000
	5.9	Animals-small (pig, sheep, goat etc.)	No.				
	5.1	Poultry chicks / duckling etc	No.				
	5.11	Fish Spawns/ fingerlings	No.				
	5.12	Small equipment's (upto Rs 2000)	No.	20	20	20	20
	5.13	Medium Equipment's/ machinery (upto Rs 25000)	No.				
	5.14	Large Equipment's / machinery (> Rs. 25000)	No.				
	5.15	Infrastructure / Civil Works/ Ponds etc	No.				
	5.16	Setting up plant nursery/ seed farm/ hatchery	No.				
	5.17	Land development/ Reclamation / Conservation	Hectares				
	5.18	Fertilizers (NPK)/ Secondary fertilizers	Tonnes				
	5.19	Micro nutrients	Tonnes				
	5.2	FYM/ Vermicompost	Tonnes				
	5.21	Soil amendments (Gypsum, lime etc.)	Tonnes				
	5.22	Plant protection chemicals	Kg				
	5.23	Plant growth Promoter	Kg				
	5.24	Animal Feed	Tonnes				
	5.25	Animal Fodder	Tonnes				
	5.26	Animal medicines	Doses				
	5.27	Any other (Liquid PSB etc.)	Litre				
6	**Services/Facilitation**						
	6.1	Animal Health Camps	No.				
	6.2	Artificial Insemination / Vaccination	No.				
	6.3	Veterinary Services (Hospitalization, on-site treatment, PD, surgery etc)	No.				

	6.4	Testing samples of Soil, plant, water, feed, fodder and livestock	No.				
	6.5	Promotion of agri-entrepreneurship	No.				
	6.6	Promotion of IFS, IOFS, Natural Farming, Nutrigarden, kitchen garden, orchards etc	No.				
	6.7	Creation of market links of farm produces	No.				
	6.8	Use of Institute Facilities (Processing etc.) (in Hours)	Hours				
	6.9	Subsidies/ Assistance (50% of Project cost, Max. Rs 10,000/beneficiary)	No.				
7	**Distribution of Literature**		No.	7	7	3500	3500
8	**Employment generation for livelihood**		(Man-months)				
9	**Fellowship, Stipends or Scholarship**		No.				
10	**Area oriented R&D Activity (project addressing the problems of agri. Sector faced by the SC/STs and benefit directly, which is measurable and identifiable**		No. of projects				
11	**Monitoring & Evaluation of DAPSC/ST (upto 3%)**						
12	**Any other (specify)**						

b. Fund received under SCSP in 2023-24 (Rs. In lakh): 20.00

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

Natural Resource Management

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

Crop Management

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

Livestock and fisheries

Name of intervention undertaken	Number of animals	No of units	Area (ha)	No of farmers covered / benefitted	Remarks

	covered												
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

14. Awards/Recognition received by the KVK-NA

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

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1.	OUAT, FOUNDATION DAY	Parbati SHG	2023		-	OUAT, FOUNDATION DAY

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

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

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1.	Maa Biraja Groundnut processing	U15493OR 2016PTC020072 18th March 2016	At: Oleipada, Similia Dist: Jajpur Ph. No: 7377283602 Mail Id: ssamal629@gmail.com	Groundnut processing and marketing Maa Biraja Groundnut processing pvt. Ltd. is a farmer producer company dealing with single commodity i.e. groundnut it consists of 531 members who works for production, processing as well as marketing of groundnut in the near by market which gives revenues to the farmers who are the share holders of this company	Groundnut	531	40 lakhs	KVK Jajpur strengthened the farmers capacity through training on scientific agricultural cultivation practices
2.	Taradevi Farmer Producer Company Ltd.	UO1100OR 2020PTC033881 26th August 2020	At: Kabirpur Dist: Jajpur Ph. No: 6370578021 Mail Id: taradevifpo@gmail.com	Multipurpose activities like production of Mushroom, vermicomposting, poultry, Gotery, processing of spices and food items like. Flour, Turmeric powder etc. as well as marketing Taradevi Farmer Producer Company established in the year 2020 is a multipurpose FPC dealing with multipurpose commodities alongwith multipurpose activity. They deal with grading, standardization packaging of spices and food items. FPC has also mushroom production unit, vermicompost production unit, dairy unit along with gotery, poultry units which gives revenues to FPO. They have also dairy processing unit where they processed the milk and	Mushroom Vermicomposting Poultry Gotery	510	90lakhs	Mechanised way of paddy and pulse cultivation

				produced different value added products like cheese, curd, paneer etc. hich raises the income of FPC				
3.	Siddheswar Farmer Producer Company Ltd.	U01114OR2020PTC034060 8th September 2020	At: Karada Po: Ranigoda Dist: Jajpur Ph. No: 8658355714 Mail Id: krupasindhupmohapatra@gmail.com	Vegetable collection and marketing Siddheswar Farmer Producer Company established in the year 2020 in Korei block for the benefit of the farmers. It consists of 540 members of different villages. It deals with mainly vegetables of different kind during rabii and summer season. They collect the vegetables from the farmers and marketing it in the near by villages local markets etc. and distribute the profit among the farmer as per their share.	Vegetable	540	33 Lakhs	Timely availability of quality inputs

17. Integrated Farming System (IFS)

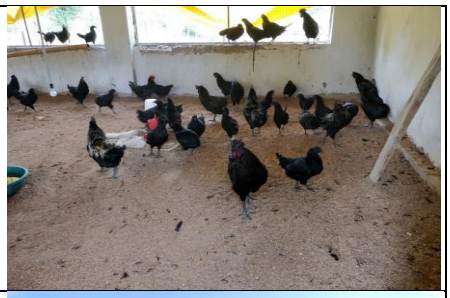
Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1.	Vermicomposting	0.2 h	5q/bed	3020	7500	10	30
2.	Farm pond	0.2 ha	50000 (Fry)	25000	50,000	20	55
3.	Apiary	5 box	25 Kg	3200	7500	06	38
4.	Duckery unit	13 nos	200 eggs	5400	3000	05	25

18. Technologies for Doubling Farmers' Income

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

1.	Demonstration on INM in Maize	Application of N:P:K:B:Zn @ 150:75:60:1:5 kg/ ha + Lime 0.1 LR + FYM @ 5 t ha	55280	120	
2.	Demonstration on management of Fall Army worm (Spodopterafrugiperda) in Maize	Seed treatment with (cyzapyr + thiamethoxam) @ 6 ml/ kg seed + Installation of bird perches up to 45 DAS + Foliar application of tetraniliprole @ 200 ml/ ha at 30 DAS + Whorl application and field placement of Poison baits (10 kg rice bran + 2 kg jaggery + 2-3 l of water + 100gm thiodicarb) at 45 DAS	139500	25	
3.	Demonstration on capsicum variety Arka Athulya	Cultivation of capsicum variety Arka Athulya with recommended package of practices	151708	22	
4.	Demonstration on management of leaf curl viral disease in Papaya	Soil application of carbofuran 3 G around the plant twice (once during transplanting and another at 30 DAT) + Alternate application of Flonicamid 50 WG @ 150 g/ ha and neem oil formulations (1500 ppm)@ 1.5 l/ ha at 15 days interval + Installation of YST @ 25/ha + Coriander as intercrop	125000	25	

5.	Demonstration on Kadaknath poultry for income generation	Rearing of dual purpose poultry bird "Kadaknath", body weight 1400 g/ 20 weeks, egg laying capacity 185 nos. of egg/ year	400	56	
6.	Demonstration on multi crop seed cum fertilizer drill for sowing of greengram	Tractor drawn Multi crop Seed cum fertilizer drill with cup feed metering mechanism	24800	156	

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

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

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

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

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

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		

(Please provide good quality photographs)

b) Information on Skill Development Training Programme (Other than ASCI or less than 200 hrs., if any) if undertaken during 2023

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

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

Name of	No. of OFT	Title(s) of	No. of FLD	No. of capacity	Total no. of	Details of

Nodal Officer	on specified aspects	OFT	on specified aspects	development programme on specified aspects	farm women/ girls involved in the project	Issues related to gender mainstreaming addressed through the project

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

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

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

PHOTOGRAPHS

Assessment of INM in scented rice

Assessment of nano urea liquid fertilizer in transplanted rice

Assessment of IPM module for the management of insect pest of rice

Assessment of effectiveness of different extension methods to access information on Rice production

Demonstration on Integrated Weed Management in Maize var. Kalingaraj

Demonstration on IWM for managing weeds during kharif in direct seeded rice

Demonstration on retting of jute fiber

Demonstration on INM in Tube rose

Demonstration on Arka Banana special on yield and quality of fingers

Demonstration on Integrated nutrient management in colocasia

Demonstration on management of leaf curl viral disease in Papaya

Demonstration on management of Fall Army worm (Spodoptera frugiperda) in Maize

Demonstration on Boron application in low land rice

Demonstration on INM in maize under irrigated medium land situation

	
Vigilance Awareness Week	World Soil Day
	
Animal Health Camp	Parthenium Awareness Week
	
Webcasting of PM Kisan Flagship programme	Swachha Bharat programme

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Sd/-
(SUNIL KUMAR MOHAPATRA)
Sr. Scientist & Head
KVK, OUAT, Jajpur