ANNUAL REPORT2022

(JANUARY-DECEMBER 2022)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
At :Larkipali,(RE Farm) PO. RajendraCollege Dist. Bolangir – 767002, ODISHA	Office	FAX	
	06652250165	06652250165	kvkbolangir.ouat@gmail.com bolangirkvk@yahoo.com

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

Address	Telephone		E mail
	Office	FAX	
OUAT, Bhubaneswar	0674-2397424	0674-2397919	ouatacademic62@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. SatyamayaSatapathy	NA	7008096895	kvkbolangir.ouat@gmail.com

1.4. Year of sanction of KVK: 2009

1.5. Staff Position (**as on 1st January, 2022**)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/ Temporary	Category
1	Senior Scientist& Head	Dr. SatymayaSatapathy	Senior Scientist& Head (I/C)	Agronomy	82,200	04.06.2021	Temporary	Others
2	Subject Matter Specialist	Dr. Tapan Kumar Palai	Scientist (Animal Sc.)	Animal Sc.	19810+6000	17.06.2015	Temporary	Others
3	Subject Matter Specialist	SarthakPattanayak	SMS (Agronomy)	Agronomy	61300	13.06.2018	Temporary	Others
4	Subject Matter Specialist	Rahul DevBehera	SMS (Soil Sc.)	Soil Science	61300	28.11.2018	Temporary	SC
5	Subject Matter Specialist	**Vacant**						
6	Subject Matter Specialist	**Vacant**						
7	Subject Matter Specialist	**Vacant**						
8	Programme Assistant	**Vacant**						
9	Computer Programmer	Sri Rabi Narayan Satapathy	Programme Assistant(Computer)	Information technology	60400	22.08.2005	Temporary	Others
10	Farm Manager	SagarikaMuna	Farm Manager	Horticulture	42300	01.01.16	Temporary	ST
11	Accountant / Superintendent	**Vacant**						
12	Stenographer	**Vacant**						
13.	Driver	Upendra Mishra	Driver cum Mechanic	-	26800	06.05.11	Temporary	Others
14.	Driver	BiswabasiSarangi	Driver cum Mechanic	-	23800	14.02.14	Temporary	Others
15.	Supporting staff	PrafullaPalei	Peon-cum-Watchman	-	24300	28.06.14	Temporary	OBC
16.	Supporting staff	**Vacant**						

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.5
2.	Under Demonstration Units	1.0
3.	Under Crops	9.0
4.	Orchard/Agro-forestry	1.0
5.	Others with details	2.5 and unused 2 ha
	Total	16

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Complete d 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					Yes	550	Under use	ICAR
2.	Farmers Hostel	About to start							ICAR
3.	Staff Quarters (6)	Not started							
4.	Piggery unit	Not started							
5	Fencing	-		Incomplete / 2000 running ft. required					RKVY
6	Rain Water harvesting structure	Not started							
7	Threshing floor	Not started							
8	Farm godown					Yes		Under Use	RKVY
9.	Dairy unit	Not started							
10.	Poultry unit	-				Yes	9×5mt	Under Use	RKVY

11.	Goatery unit	Not started							
12.	Mushroom Lab	-						Under Use	RKVY
13.	Mushroom production unit	Not started							
14.	Shade house	Not started				yes	18X5.5m	Under Use	RKVY
15.	Soil test Lab	Not started							
16	Seed Processing Unit	Not started							

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Mahindra Bolero	2010	5.0 lakh	215636	Running
Massey Tractor+trailer	2010	6.0 lakh	21705	Running
Motor Cycle	2012	0.53lakh	12170	Running

C) Equipment & AV aids

Name of equipment	**Year of purchase**	**Cost (Rs.)**	**Present status**	**Source of fund**
a. Lab equipment (HomeScience)				
Digital refractrometer (B.P.Lab make)-1 no	2017-18	14,950	Functioning	ICAR
Drying Cabinet, Model BPL-25 (B.P.Lab make)—1 no	2017-18	19,898	Functioning	ICAR
Crown cap sealing machine (seapack make)-1 no,	2017-18	5900	Functioning	ICAR
Vaccum cap sealing machine (seapack make)-1 no	2017-18	1980	Functioning	ICAR
StainlessSteelKnife,strainer,decanter,measuring cup set,glass jar -1 no each	2017-18	2322	Functioning	ICAR
Food processer Fx10 (Bajaj make)-1 no	2017-18	4950	Functioning	ICAR
b. Farm machinery				
Automatic hatcher	2020-21	88400	Not started	BTKissan
Rotavator	2012-13	86,100	Running	ICAR
Seed cum fertilizer drill	2012-13	52,100	Running	ICAR
Power thresher cum fan type winner(2nos)	2012-13	39,600	Running	ICAR

Power sprayer(2nos)	2012-13	12,688	Running	ICAR
Nine tyne cultivator	2012-13	12,400	Running	ICAR
Rotavitor	2012-13	86,100	Running	ICAR
c.AV Aids				
P A System	2011-12	43,445	Functioning	ICAR
DVD Player	2011-12	3790	Functioning	ICAR
Digital camera	2011-12	22,500	Functioning	ICAR
LCD	2011-12	34,900	Functioning	ICAR
Handy cam	2011-12	39,500	Functioning	ICAR
LCD Projector	2011-12	40,163	Functioning	ICAR
Sony Digital camera	2011-12	16,470	Functioning	ICAR
Nikon Digital camera	2011-12	4798	Functioning	ICAR
Picco projector	2017-18	22,000	Functioning	ICAR

D) Farm implements

Name of equipment	**Year of purchase**	**Cost (Rs.)**	**Present status**	**Source of fund**
Rotavator	2012-2013	86,100	Running	ICAR
Seed cum fertilizer drill	2012-2013	52,100	Running	ICAR
Power thresher cum fan type winner(2nos)	2012-2013	39,600	Running	ICAR
Power sprayer(2nos)	2012-2013	12,688	Running	ICAR
Nine tyne cultivator	2012-2013	12,400	Running	ICAR
Digital Weighing machine	2020-2021	8500	Running	ICAR

1.8. Detailsof SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	18.11.2022	40	• Total numbers of trainees in calendar year to be increased. • Skill up-gradation trainings should be given more importance	-Five numbers of capacity building training on dairy production (Feeding management, disease management etc) at Bolangir, Agalpur, Belpada, Tureikela and Deogaon one each involving total 200 nos. of dairy farmers - One capacity building training on Small scale poultry farming at KVK involving 20 farmers - One capacity building training on vermi composting at KVK involving 15 farmers - Overall more numbers of beneficiaries were covered during the year covering 1970 numbers of beneficiaries	
			Off season vegetable varieties to be given more importance. The technology should be wide spread	-Three numbers of Trainings concerned to Off season vegetable (Onion/Cauliflower/Tomato) were conducted at Odiapali, Buromunda and Jampada covering 75 beneficiaries - Demonstration on Kharif Onion Line 883 at Buromunda, Bargaon and Bagbahal involving 10 beneficiaries covering 1 ha area was conducted - Demonstration of Kharif Tomato was conducted at village Bargaon and Buromuda involving 10 beneficiaries covering 0.5 ha	
			Technology tested at farmers field should be taken at KVK in demonstration unit	-Five experimental strips of different post emergent herbicides covering 1 acre area at KVK farm. The related OFT was further conducted at KVK adopted village involving 7	

				beneficiaries -Three Experimental strip on application of nano urea in transplanted rice covering 0.25 acre area in KVK farm Vermicompost production in HDPE polybag (2 nos.) & In Rabi & Summer -Five Experimental strips on Green gram Var. Virat, Rapeseed & Mustard Var. Sushree, Groundnut Var-Dharani, Sweet corn Var- Pusa Super sweet corn 1, Sesame var- Amrit, Rabi onion- Agra-found Light red also conducted in Rabi & summer.	
			• Convergence activities with line department should be enhanced at migration affected blocks • DFI activities in adopted villages	-Demonstration on backyard poultry involving 24 beneficiaries was conducted at Belpada and Bongomunda. Each beneficiary was provided with 20 nos. of developed varieties along with the required technology for proper care and management -Demonstration on Ragi involving 30 farmers at Bongomunda and Belpada (2 ha area) -Demonstration on Onion involving 20 beneficiaries at Bongomunda (5 ha) -41 numbers of Farmers training involving 1025 numbers of trainees were organized at adopted villages in convergence with concerned line department -6 numbers of trainings were conducted in migration affected blocks like Belpada, Bongomunda and Tureikela (150 farmers) -KVK attended as resource persons in 12 numbers of trainings organized by line department and NGOs covering 400 beneficiaries	

			Activities through FPOs and SHGs should be given more importance	-Capacity building training for FPO (on mushroom production, commercial drumstick and nursery raising) at Agalpur block. Technical back stopping was given to 60 numbers of trainees -Demonstration on Biofertified Rice var-CR Dhan 315 was organized in collaboration with Pruthuna FPO covering 10 ha area -Demonstration on paddy straw and oyster mushroom cultivation involving 10 members of Maa Shakti SHG members -Demonstration of groundnut Var. Dharani involving 25 members of Pruthuna FPO (5 ha area) was organized successfuly -Demonstration on Poultry var. Kalinga Brown involving 20 members from Annapurna SHG and Maa Shakti SHG. Each beneficiaries were supplied with 20 developed variety chicks -Demonstration on Vermicomposting and Kitchen gardening involving 20 members from Ashirbad SHG, Maa Shakti SHG and Annapuran SHG	
			Low yield in vegetables. Especially farmers practicing cauliflower cultivation in winter are getting low production	-On farm assessment on Boron and Molybdenum application in cauliflower for management of browning and whip tail disease involving 7 numbers of beneficiaries in village Bargaon and Brahmandunguri was organised -Two numbers of Farmers trainings were organized on package and practices in vegetables like brinjal and Okra involving 50 farmers from adopted village (Banabahal and Odiapali)	
			High weed infestation in low land rice leading to low production	-On farm testing on new molecules of herbicides in transplanted rice has been conducted at Bargaon, Odiapali and Banabahal involving 10 numbers of farmers (10 ha) -3 numbers of training on Market available pre	

				and post emergence herbicides for weed management in rice were organized involving 75 numbers of beneficiaries	
			Good number of farmers are practicing rice-pulse and rice-oilseed with locally available var. leading to less profit	-Cluster Front line demonstration on green gram var. Virat covering 10 ha area involving 25 farmers of village Bargaon was organized. The farmers were following Rice-Pulse cropping system with local pulse var. -Cluster Front line demonstration on Rapeseed and Mustard *varSushree* was conducted at village Odiapali covering 10 ha area involving the 25 farmers. Previously farmers were following Rice-Oilseed cropping system with local *var* mustard -Demonstration under SCSP on Ground nut *varDharani* covering 10 ha area involving the 25 farmers in village- Bhoipali was successfully conducted.	
			Low egg production by poultry birds in laying stage in un-organized sectors.	-Assessment of the effect of deworming and calcium supplement on egg production was organized involving 10 numbers of beneficiaries from 2 WSHGs of Degoan block (MaaDhanalaxmi and UtkalJanani SHG) in convergence with ARD, Bolangir. Total 200 numbers of adult 5 months old female birds were studied. WSHG members were trained with importance of deworming and calcium supplementation for laying birds. -Training on feeding management of birds in laying stage for increase productivity was organized at Banabahal involving 25 trainees.	
			KVK is working on promotion of nutritional garden in the district still there is lots of scope for better spreading	-Demonstration on Kitchen garden for nutritional security at Banabhal and Baragaon involving 20 farmers. -There is provision of better quality planting materials of various vegetable at KVK instructional farm for farmers	

				-Three numbers of Capacity building trainings on Nutritional garden in convergence with Horticulture department and Tricle-Up NGO at Patnagarh, Belpada and Bolangir involving 120 beneficiaries. -Two numbers of Farmers fare conducted involving 150 farmwomen, in poshanmaha participants were provided with improved quality drumstick and papaya seedlings.	
			Maize shares a large area in the district. The production in maize is not up to satisfactory level. Hence , suitable interventions should be carried out	-Front line demonstration on OUAT released Maize var. Kaling Raj has been conducted in village Bhoipali, Mayabara, Buromunda covering 12 ha of area involving 40 farmers. -Front line demonstration on Weed management in maize has been conducted in village Mayabara and Buromunda (2 ha,10 farmers) -Front line Demonstration on Diversification of Sole Maize to Sweet corn Var. Pusa Super Sweet corn I (Bargaon and Bhoipali- 2 ha, 10 farmers) -Three numbers of trainings on nutrient and weed management in maize and sweet corn cultivation involving 75 farmers at Bargaon, Buromunda and Bhoipali	
			More numbers of trainings on Feeding management in livestock should be conducted	-Five numbers of capacity building trainings each of 3 days duration on feeding management in dairy involving 200 beneficiaries were organized in convergence with line department. -Four numbers of trainings were conducted on feeding management in goats covering 100 beneficiaries were organized at adopted villages and also in convergence with line department -Two numbers of literatures were prepared on ration planning in dairy and feeding of	

				pregnant does and supplied to trainees - One dairy meet was organized involving 100 nos. of dairy farmers	
			KVK should take help of line departments for selection of beneficiaries for In-service and RY trainings	-Total 15 numbers of trainings were organized at KVK involving extension personnel and school dropouts rural youth, where name of the rural youth were provided by concerned line departments.	
			Emphasis should be given to involve more number of farm woman in mushroom and poultry farming	-Training and method demonstration on Mushroom cultivation (Dhingri and Paddy straw) to the members of WSHGs. Total 6 numbers of season long trainings were organized involving 30 numbers of beneficiaries. -Two numbers of trainings on poultry at Deogaon involving 50 numbers of women beneficiaries. -Demonstration on backyard poultry var. Kaling Brown involving 45 numbers of women beneficiaries. Each provided with 20 nos of chicks with inputs for brooding and technical knowledge on proper brooding management	

** 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 (2022)

Sl. no.	Item	Information
1	Major Farming system/enterprise	Agriculture+ Horticulture+ Animal Husbandry
2	Agro-climatic Zone	Western Central table land zone
3	Agro ecological situation	Plain land Irrigated; Plain land rainfed; Undulating Sub mountainous track ; Undulating plain drought prone
4	Soil type	Mixed Red &black, Red, laterite &Mixed red and yellow
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Paddy- 28 q/ha , Arhar-12q/ha, Greengram-7q/ha, Groundnut-18q/ha, Sunflower-11q/ha
6	Mean yearly temperature, rainfall, humidity of the district	27.1^0C, 855mm, 56 %
7	Production of major livestock products like milk, egg, meat etc.	Milk-110 TMT/ annum) ; Egg-445Million/annum) ; Meat-14.1 TMT/annum)

Note: Please give recent data only

2.b. Details of operational area / villages (2022)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Bolangir	Bolangir	Bargaon	Paddy, Greengram, Arhar,Cucumber, Mango, Banana, Vegetable, Dairy, Poultry, Goat,	Lack of storage facility for fruits and vegetables. Severe crop weed competition in Kharif upland crops Low milk production in CB cows Poor growth potential in goats High chick mortaliry	Crop diversification, Quality seeds and seedling, promotion of nutritional garden Feeding strategies in livestock LIT bird rearing in backyard
2	Bolangir	Puintala	Odiapali	Paddy,Greengram,Arhar, Cucumber,Vegetable,Poultry,Goat,	Severe soil erosion in sloppy uplands. Severe crop weed competition in Kharif upland crops. Low milk production in CB cows and high incidence of diseases Poor growth potential in goats and sheep High chick mortality and poor egg laying potential	Crop diversification, Integrated Nutrient Management Practices, Low cost feeding strategies in livestock Health care management in livestock LIT bird rearing in backyard

3	Bolangir	Degaon	Kuhimunda	Paddy, Greengram, Arhar, Tomato, Cucumber, Vege-table, dairy,Goat,	Non availability of waste land management techniques. Severe crop weed competition in Kharif upland crops Unsatishfied milk production from cows High incidence of diseases in livestock	Crop diversification, Farm mechanization, promotion of nutritional garden Scientific feeding management in livestock Health care management in livestock
4	Bolangir	Loisingh a	Bhoipali	Paddy,Greengram,Cucu mber, Brinjal, Crucifer vegetables Tomato,Mango ,Poultry, Goat	Non availability of waste land management techniques. Severe crop weed competition in Kharif upland crops High diseases incidence in livistock Low income generation from Poultry	Crop diversification, Farm mechanization, promotion of nutritional garden Health care management in livestock LIT bird rearing in backyard
5	Bolagnir	Puintala	Banabahal	Paddy,Greengram,Arhar, Cucumber,Vegetable,Po ultry,Goat,	Severe soil erosion in sloppy uplands. Severe crop weed competition in Kharif upland crops. Low milk production in CB cows Low milk fat in cows Poor growth potential in goats	Crop diversification, Integrated Nutrient Management Practices, Feeding strategies in livestock

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2021-22) for its development and action plan

Name of village	Block	Action taken for development
Bargaon	Bolangir	Trainings, Demonstrations, Assessments, Awareness campaign, Soil test camp, Animal Health camp, Group meetings, Group discussion, Scientist field visit etc.
Odiapali	Puintala	
Kuhimunda	Deogaon	
Bhoipali	Loisingha	
Banabahal	Puintala	

2.1 Priority thrust areas

S. No	Thrust area
1.	Crop diversification in upland condition
2.	Suitable Integrated pest /disease, weed Management in crops
3.	Integrated nutrient management
4.	Increasing productivity in Cotton growing area
5.	Quality seeds & seedling production
6.	Production technology for increased production of oilseed/pulses
7.	Drudgery reduction tools for farm women
8.	Health management in livestock and birds
9	Low cost feeding management in livestocks
9.	Income generation activity for farm women through poultry and mushroom production
10.	Low cost housing management in livestock
11.	Climate resilient sustainable livestock production
12	Health care management in livestock
13	Development of SHGs and FPOs through technical back stopping
14	Convergence with all line department officials, NGOs and FPOs

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
6	6	42	2		1		45		48		48	12	12	120	30				90		120		120

Training												Extension activities											
Number of Courses		Number of Participants										Number of activities		Number of participants									
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement								
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
60	52	370	85	128	58	5	901	123	1039	261	1300	350	350	7162	2256	862	1520	348	1799	386	5575	1596	7162

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

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
280	312	1,50.000	1,50,000

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
		1000	500

* 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	7	7	7				
Seminar/conference/ symposia papers	3	3	3				
Books							
Bulletins							
News letter							
Popular Articles	2	2	2				
Book Chapter							
Extension Pamphlets/ literature	1	1	1				
Technical reports							
Electronic Publication (CD/DVD etc)							
TOTAL	13	13	13				

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of herbicide for weed management in transplanted rice
2.	Problem diagnosed	Low yield due to high weed infestation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1- Application of Cyhalofop butyl + Penoxulam @ 135gai/ha at 20 DAT TO2- Application of PE Pendimethalin @ 0.75 KGai/ha, fbChlorimuron ethyl +Metasulfuron methyl @ 4gai/ha 20 DAT
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT,2020
5.	Production system and thematic area	Rice, Weed management
6.	Performance of the Technology with performance indicators	Weed flora composition, WCE (%) Effective panicles/m2 No of filled grains/panicle, Grain yield (q/ha), Straw yield (q/ha) s
7.	Final recommendation for micro level situation	Application of Cyhalofop butyl + Penoxulam @ 135gai/ha at 20 DAT
8.	Constraints identified and feedback for research	Application of Cyhalofop butyl + Penoxulam @ 135g/ha at 20 DAT increases the yield by decreasing cost of cultivation.
9.	Process of farmers participation and their reaction	Farmers are satisfied with the tecchnology

Thematic area:

Problem definition: Low yield due to high weed infestation.

Technology assessed:

TO1- Application of Cyhalofop butyl + Penoxulam @ 135gai/ha at 20 DAT

TO2- Application of PE Pendimethalin @ 0.75 KGai/ha, fbChlorimuron ethyl +Metasulfuron methyl @ 4gai/ha 20 DAT

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Plant height(cm)	Panicle length	Test wt. (100 grain wt.)						
Hand weeding @30 DAT	14	78	20.1	22.4	30	38.6	45000	74884	29,844	1.66
Application of Cyhalofop butyl + Penoxulam @ 135gai/ha at 20 DAT	14	101.1	22.4	23.5	12	42.8	43000	83032	40032	1.93
Application of PE Pendimethalin @ 0.75 KGai/ha, fbChlorimuron ethyl +Metasulfuron methyl @ 4gai/ha 20 DAT	14	98.3	21.2	23.4	10	41.2	43800	78280	34480	1.79

OFT-2

1.	Title of On farm Trial	Assessment of Decomposer for in-situ residue management in Rice
2.	Problem diagnosed	Residue burning causing environment pollution
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-1 : NRRI consortia @1kg/t of paddy straw + 5 kg urea along with 0.5% jaggery solution + cow dung slurry in 100lit of water for 1 ha. TO 2 : PUSA decomposer @ 4 capsules in 25 lit of water with 2 % jaggery solution and pulse powder for 1 ha.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IARI,2020&NRRI,2021
5.	Production system and thematic area	Rice Residue Management
6.	Performance of the Technology with performance indicators	Organic carbon (%) intial& final, Time of decomposition
7.	Final recommendation for micro level situation	PUSA decomposer @ 4 capsules in 25 lit of water with 2 % jaggery solution and pulse powder for 1 ha.
8.	Constraints identified and feedback for research	PUSA decomposer @ 4 capsules in 25 lit of water with 2 % jaggery solution and pulse powder for 1 ha.
9.	Process of farmers participation and their reaction	Farmers are satisfied with the research

Thematic area:

Problem definition: Residue burning causing environment pollution

Technology assessed:

TO-1 : NRRI consortia @1kg/t of paddy straw + 5 kg urea along with 0.5% jaggery solution + cow dung slurry in 100lit of water for 1 ha.

TO 2 : PUSA decomposer @ 4 capsules in 25 lit of water with 2 % jaggery solution and pulse powder for 1 ha.

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Decomposition % (within 2 months)	Period for culturable decomposition	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Initial Soil organic Carbon (%)	Final organic Carbon (%)	Initial Soil organic Carbon (%)							
FP: Residue burning	10	0.4	0.42	0.4	NA	-	-	0	NA	NA	NA
TO-1 : NRRI consortia @1kg/t of paddy straw + 5 kg urea along with 0.5% jaggery solution + cow dung slurry in 100lit of water for 1 ha.	10	0.4	0.44	0.4	NA	45 %	3-4months	3000	NA	NA	NA
TO-2 :PUSA decomposer @ 4 capsules in 25 lit of water with 2 % jaggery solution and pulse powder for 1 ha.	10	0.4	0.4	0.4	NA	60 %	2-3months	2200	NA	NA	NA

OFT-3

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)	TO1 : 50 % recommended N + 100 % P and K as basal application and two sprays Nano urea @ 0.2 % tillering and PI stage TO2 : 75 % recommended N + 100 %P and K as application and two sprays Nano urea @ 0.2 % at tillering and PI stage
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Annual report AAU, 2019-20
5.	Production system and thematic area	Rice-Rice Irrigated medium land
6.	Performance of the Technology with performance indicators	Initial and post harvest soil test value, plant height in different stages, no of tillers/plant, yield, economics, B : C ratio
7.	Final recommendation for micro level situation	75 % recommended N + 100 %P and K as application and two sprays Nano urea @ 0.2 % at tillering and PI stage
8.	Constraints identified and feedback for research	Low yield due to high weed infestation, application of herbicide needed
9.	Process of farmers participation and their reaction	Farmers are satisfied with the technology

Thematic area:

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

Technology assessed: TO1 : 50 % recommended N + 100 % P and K as basal application and two sprays Nano urea @ 0.2 % tillering and PI stage

TO2 : 75 % recommended N + 100 %P and K as application and two sprays Nano urea @ 0.2 % at tillering and PI stage

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Plant height (cm)	Panicle length	Test wt. (100 grain wt.)						
FP : 100 % N + P + K	7	75	19	22		41	43100	74415	31315	1.72
TO1 : 50 % recommended N + 100 % P and K as basal application and two sprays Nano urea @ 0.2 % tillering and PI stage	7	91	20	23		46	44900	83490	38590	1.85
TO2 : 75 % recommended N + 100 %P and K as application and two sprays Nano urea @ 0.2 % at tillering and PI stage	7	98	22	23		47	45000	85305	40305	1.89

OFT-4

1.	Title of On farm Trial	Assessment of micronutrient application in cauliflower
2.	Problem diagnosed	Low yield due to micronutrient deficiency
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1 : STD + # foliar spray of 100 ppm boron as borax at 10 days interval TO2 : STD + 3 foliar sprays of 50 ppm boron + 50 ppm Mo at 10 days interval
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP in vegetable crops, 2007 and Annual report, 2017-18 IIVR
5.	Production system and thematic area	Rice-Vegetable Rainfed Upland
6.	Performance of the Technology with performance indicators	Curd weight (gm), Plant height (cm), nutrient status, economics
7.	Final recommendation for micro level situation	STD + 3 foliar spray of 50 ppm boron + 50 ppm Mo at 10 days interval
8.	Constraints identified and feedback for research	Inadequate application of micronutrient which reduce the curd size with yield
9.	Process of farmers participation and their reaction	Farmers were satisfied with their yield and economics

Thematic area:

Problem definition: Low yield due to micronutrient deficiency

Technology assessed: TO1 : STD + # foliar spray of 100 ppm boron as borax at 10 days interval

TO2 : STD + 3 foliar sprays of 50 ppm boron + 50 ppm Mo at 10 days interval

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Curd weight (g)	Curd length (cm)	Curd diameter (cm)						
FP ; No application of micronutrient & RDF(120 : 40 :60) only	7	761	8.3	14.2		280	77850	168000	90150	2.15
TO1: STD + 3 foliar spray of 100 ppm boron at 10 days interval	7	903	10.1	17.9		315	82170	189000	106830	2.30
TO2: STD + 3 foliar spray of 50 ppm boron + 50 ppm Mo at10 days interval	7	917	10.8	18.4		325	84110	195000	110890	2.31

OFT-5

1.	Title of On farm Trial	Assessment of different feed regime on milk production in dairy cows
2.	Problem diagnosed	High grain cost leading to high cost of production and otherwise low milk production due to no grain feeding
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-1: Grazing + Straw @ 6-8 kg/day + Local available oil cake @ 100g/day TO2: Grazing + Straw @ 6-8 kg/day + Local available pulse residue (Gandhiri) @ 250g/day + Maize @ 250g/day
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Annual Report ICAR-ATARI, Kolkata, 2014
5.	Production system and thematic area	Homestead, LPM
6.	Performance of the Technology with performance indicators	Milk yield/day, Lactation length, Health status
7.	Final recommendation for micro level situation	Acceptable for the farmers interested to feed grain to their cows
8.	Constraints identified and feedback for research	Trial may be done with decrease amount of Maize and locally available pulse residue to see the result
9.	Process of farmers participation and their reaction	Farmers were well interested

Thematic area:

Problem definition: High grain cost leading to high cost of production and otherwise low milk production due to no grain feeding

Technology assessed: TO-1: Grazing + Straw @ 6-8 kg/day + Local available oil cake @ 100g/day

TO2: Grazing + Straw @ 6-8 kg/day + Local available pulse residue (Gandhiri) @ 250g/day + Maize @ 250g/day

Table:

Technology option	No. of trials	Yield component			Health status of cow	Milk yield /day/cow	Cost of Production (Rs./cow /day)	Gross return (Rs./cow /day)	Net return (Rs./cow /day)	BC ratio
		Quality of milk Avg. LR Value	-	-						
FP- Grazing, straw feedng, unscientific concentrate feeding (lesser than required)	05	29			Good	4.0	47	120	76	2.55
TO-1: Grazing + Straw @ 6-8 kg/day + Local available pulse residue (Gandhiri) @ 250g/day + Maize @ 250g/day	05	28			Occasional loose motion	5.58	59	167	108	2.83
TO-2: Grazing + Straw @ 6-8 kg/day + Local available oil cake @ 100g/day	05	29			Good	5.25	51	158	107	3.09

OFT-6

1.	Title of On farm Trial	Assessment of the effect of deworming and calcium supplement on egg production of hen
2.	Problem diagnosed	Low egg production in desi and improved backyard var. hens
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: Free range + Deworming every month TO2: Free range + Calcium supplementation @ 1ml/bird (10 days every month for 1 year) TO3: Free range + Deworming + Calcium supplementation @ 1ml/bird (10 days every month for 1 year)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Annual report 2014-15, ICAR ZPD-II
5.	Production system and thematic area	Homestead, and backyard
6.	Performance of the Technology with performance indicators	Avg. egg production/ 6m, Avg. egg production/year, cost of production, BCR
7.	Final recommendation for micro level situation	Results not yet recorded
8.	Constraints identified and feedback for research	Problem is associated with un organized sector where the flock size is around 10 so difficult to organize the assessment.
9.	Process of farmers participation and their reaction	WSHG were selected in convergence with ARD who were supplied with 100 nos. of birds under Govt. scheme. The selected groups were facing the problem in low egg laying condition of the birds

Thematic area:

Problem definition: Low egg production in desi and improved backyard var. hens

Technology assessed: TO1: Free range + Deworming every month

TO2: Free range + Calcium supplementation @ 1ml/bird (10 days every month for 1 year)

TO3: Free range + Deworming + Calcium supplementation @ 1ml/bird (10 days every month for 1 year)

Table:

Technology option	No. of trials	Yield component			Health status of birds	Egg production/50 birds in one month	Cost of Production (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Quality of egg	Egg weight	-						
Farmers practice	50 birds	Results will be obtained from month of June Experiment was started in convergence of Animal Resource Development Department during month of February. First data will be recorded during June then month wise data will be obtained								
TO1: Free range + Deworming every month	50 birds									
TO2: Free range + Calcium supplementation @ 1ml/bird (10 days every month for 1 year)	50 birds									
TO3: Free range + Deworming + Calcium supplementation @ 1ml/bird (10 days every month for 1 year)	50 birds									

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1	Rice	Varietalsubstitutio	Bio fortified rice variety-CR Dhan 315	2	2	-	-	-	-	10	-	10	-	10	
2	Finger Millet	Varietal substitution	Finger Millet Var. Arjun	2	2	-	-	-	-	10	-	10	-	10	
3	Maize	Varietal substitution	Maize hybrid -Kalinga raj (OMH 14-27)	2	2	-	-	-	-	10	-	10	-	10	
4	Maize	weed management	Pre-emergence application Atrazine 50 % wp @1.0 kg ai/ha followed by Tembotrine 115 ai ml/ha at 21 DAS(4-5 leaf stage)	2	2	-	-	-	-	10	-	10	-	10	
5	Cotton	INM	One spary of 2 % uraea and one spray of 1 % urea + 1 % MgSo4 during flowering to boll development stage	8	8	10	-	-	-	-	-	10	-	10	
6	Ragi	INM	Application of lime @ 0.25 LR (applied 15 days before flowering) along with 50 % N-	2	2	10	-	-	-	-	-	10	-	10	

			P2O5-K2O (30-20-20 kg/ha)												
7.	Maize	INM	Application of STD of N:P:K:B:Zn @ 150:75:60:1:5 kg/ha + Lime 0.1 LR + FYM @ 5 t/ha	1	1	10	-	-	-	-	-	10	-	10	
8.	Paddy	SFM	STBR+5 t FYM/ha + Zn @ 2.5 kg/ha	2	2	-	-	-	-	10	-	10	-	10	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Rice	*kharif*	RF	loam	280	14	140	Green gram	04.07.2022	8.11.2022	969.19	62
Finger Millet	*kharif*	RF	loam	220	12	120	rice	17.07.2022	01.11.2022	969.19	62
Maize	*kharif*	RF	loam	240	13	130	Rice	18.07.2022	29.10.2022	969.19	62
Maize	*kharif*	RF	loam	230	17	180	rice	22.07.2022	03.11.2022	969.19	62

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

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

* 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
Ragi	Nutrient management	Application of lime @ 0.25 LR (applied 15 days before flowering) along with 50 % N-P2O5-K2O (30-20-20 kg/ha)	10	2	13.8	10.5	31			35576	3.58			25969	3.23
	Total														

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

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
Rice	Varietal substitution	Bio fortified rice variety-CR Dhan 315	10	2	41.1	38.7	6.2	43000	78948	35948	1.95	43000	83844	40844	1.84	41.1	38.7
Ragi	Varietal substitution	Finger Millet Var. Arjun	10	2	15.3	10.9	40.3	10400	39000.2	28600.2	3.75	12000	54743.4	42743.4	4.56	15.3	10.9
Maize	Varietal substitution	Maize hybrid -Kalinga raj (OMH 14-27)	10	2	66.0	63.0	4.8	64000	129492	65492	2.02	65000	12360	58606	1.90	66.0	63.0
Maize	weed management	Pre-emergence application Atrazine 50 % wp @1.0 kg ai/ha followed by Tembotrine 115 ai ml/ha at 21 DAS(4-5 leaf stage)	10	2	64.7	61.4	5.4	64000	126941	62941.4	1.98	65100	120467	55366.8	1.85	64.7	61.4
Cotton	Nutrient management	One spary of 2 % uraea and one spray of 1 % urea + 1 % MgSo4 during flowering to boll development stage	10	8	14	12	20	No of bolls/ plant 13.12	11.35	47100	89320	42220	1.89	43500	76560	33060	1.76
Maize	Integrated Nutrient management	Application of STD of N:P:K:B:Zn @ 150:75:60:1:5 kg/ha + Lime 0.1 LR + FYM @ 5 t/ha	10	1	65	61	6.5	-	-	65500	127530	62030	1.94	63100	119682	56582	1.89
Paddy	Soil fertility management	STBR+5 t FYM/ha + Zn @ 2.5 kg/ha	10	2	45	42	7.1	Plant height 88 cm	71 cm	45800	81675	35875	1.78	43300	76230	32930	1.76
		Total	70	19													

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	LPM	Demonstration of Bypass fat and mineral mixture feeding for sustained milk production	10	10	Avg milk yield/ cow/day 9.27 liter	Avg milk yield/ cow/day 8.4 liter	6.5	Avg. LR value 29.7	Avg. LR value 25.8	161/cow/ Day (Labour + Grain +Suppliment)	343/cow/ day (@ Rs. 37/l of milk due to high LR value	182/cow/ Day	2.13	138/cow/ Day (Labour + Grain)	235 (@ Rs. 28/l of milk due to low LR value	97/ Cow/ Day	1.70
Cow	LPM	Demonstration On feeding of Herbs and mineral mix to curb anestrous and increase milk yield	10	10	Avg milk yield/ cow/day 4.41 liter	Avg milk yield/ cow/day 3.45 liter	27.8	-	-	57/cow/ Day Labour+ grain +mineral mix	155/- (@ Rs.34/l of milk due to high LR value	98/cow/ day	2.71	47/cow/ Day Labour + grain	121/- (@ Rs.35/l of milk due to high LR value	74/cow/ day	2.57
Buffalo																	
Poultry	LPM	Demonstration on Artificial Brodding Management in Chicks	10	10	Wt. gain in 2m period Kg 0.84	Wt. gain in 2m period Kg 0.47	78	Avg. Mortality rate-4%	Avg. Mortality rate-10%	1482 /chick upto 2 months for 20 birds (includes labour, feeding upto 21 days and vaccination)	3990/chick upto 2 months for 19 birds @ Rs. 250/ Per kg	2508/- Chick as per the wt gain in 2months	2.69	1250 /chick upto 2 months for 20 birds	2961/chick upto 2 months for 18 birds @ Rs. 350/ Per kg	1711/- Chick as per the wt gain in 2months	2.36
Rabbitry																	
Pigerry																	

Sheep and goat	LPM	Demonstration Dietary supplementation of probiotics and concentrate on juvenile growth of goats	10	60	Wt. gain in 2m period Kg (3-5 months) 5.89	Wt. gain in 2m period Kg (3-5 months) 3.43	71	-	-	540/ goat In 2 months (Labour + Conc. + Probitotic	2356/ goat as per 2m wt gain (@ Rs.400/Kg meat)	1816/ goat as per 2m wt gain	4.36	360/ goat/ 2monts (labour cost)	1372/ goat as per 2m wt gain (@ Rs.400/Kg meat)	1012 /goat as per 2m wt gain	3.81
Duckery																	
Others (pl.specify)																	
Total			40	90													

* 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	No. of Farmer	No.of units	Major parameters	% change in major	Other parameter	*Economics of demonstration (Rs.) or Rs./unit	*Economics of check (Rs.) or Rs./unit

	demonstrated			Demonstration	Check	parameter	Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
Total																

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

Women empowerment

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

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	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

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

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

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	4.10.22, 11.11.22 & 27.3.23	3	150	Field on CR Dhan 31 Nutrient management in cotton & Management of zinc deficiency in low land rice
2.	Farmers Training	27.7.22, 16.08.2022, 27.9.22, 15.10.2022, 10.11.2022	5	125	Nutrient management in ragi Feeding management in anestrous cows Nutrient management in cotton Importance of bypass fat and min. mix feeding in dairy cows Artificial brooding management in chicks
3.	Media coverage				
4.	Training for extension functionaries				

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2022 and Rabi 2021-22:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1.	**Green gram**	Jhain Moong	2.2	4.1	4.2	10.2	Seed 20kg (Var.Virat) +500gm Rhizobium+2.5kg PSB per ha and Soil testbased fertilizer application. PP chemical +Diafenthrun 50% WP 200g/ha + Tricocard 4pcs/ha + Pro bag 15 + Bavistin 1.2kg/ha	20	10	9.2	7.8	8.5	51.7 %	50.58 %	-20 %

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	Seed 20kg (Var.Virat) +500gm Rhizobium+2.5kg PSB per ha and Soil testbased fertilizer application. PP chemical +Diafenthrun 50% WP 200g/ha + Tricocard 4pcs/ha + Pro bag 15 + Bavistin 1.2kg/ha	8400	15510	7110	1.84	9500	46530	37030	4.9

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	Green gram Var.Virat	340	250	70.5	50	-	To mitigate daily requirement, education and health	35 Mandays/ha

D. Pulse farmers` perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1	Seed 20kg (Var.Virat) +500gm Rhizobium+2.5kg PSB per ha and Soil testbased fertilizer application. PP chemical +Diafenthrun 50% WP 200g/ha + Tricocard 4pcs/ha + Pro bag 15 + Bavistin 1.2kg/ha	suitable	yes	yes	no	yes	

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Var.Virat is Performing very good in terms of yield attributes and yield	Var.ViraPerforming very good	VarViratPerforming better yield in comparison to Local variety.	Farmers satisfied with this technology and demand huge amount of this variety of seed in proper time

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	**Field day**	**13.03.23**	**30**

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

H. Farmers' training photographs

I. Quality ActionPhotographs of field visits/field days and technology demonstrated.

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input	82000	82000	0
	ii) TA/DA/POL etc. for monitoring	3000	3000	0
	iii) Extension Activities (Field day)	2250	2250	0
	iv)Publication of literature			0
	v)Misce.	1550	1550	0
	vi)Audit fee	1200	1200	0
	Total	90000	90000	0

Performance of the demonstration under CFLD on Oilseed Crops during Kharif2022 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.	Rapeseed & mustard	Bolangirsorisa	3.1	7.5	12	10	Seed (Var-Sushree@10Kg/ha)+Herbicide (Quizalfopethyl 10EC) @1000ml/ha + Sulphur @20kg /ha+need based pp chemicals	25	10	8.22	7.2	7.97	30	12	55

B. Socioeconomic Parameter

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.	Seed (Var-Sushree@10Kg/ha)+Herbicide (Quizalfopethyl 10EC) @1000ml/ha + Sulphur @20kg /ha+need based pp chemicals	3700	13710	10010	3.71	7807	35267.3	27460.3	4.52

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.	Rapeseed & mustard (Var-Sushree@10Kg/ha)+Herbicide (Quizalfop ethyl 10EC) @1000ml/ha + Sulphur @20kg /ha+need based pp chemicals	59.775	119.55	44.25	0	0	Livelihood support	16

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
	Seed (Var-Sushree@10Kg/ha)+Herbicide (Quizalfop ethyl 10EC) @1000ml/ha + Sulphur @20kg /ha+need based pp chemicals	suitable	yes	yes	no	yes	

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Var. Sushree has an ablitity to resist heat stress along with Resistant Variety (Powdery mildew and White rust)	Var. Sushree has an outperforming ability.	61% yield enhancemnet over farmers Practice due to use of Resistant Variety (Powdery mildew and White rust), Soil test Based Nutrient Management along with application of 20kg S/ha and weed management through application of Quizalfop ethyl 10EC @1000ml/ha	Farmers wants to cultivate High yielding varieties of Rapeseed&Mustard

F. Extension activities under FLD conducted

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	**Field day on R&M**	**14.03.2023**	**50**

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

H. Farmers' training photographs

I .Quality ActionPhotographs of field visits/field days and technology demonstrated.

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input	54000	54000	0
	ii) TA/DA/POL etc. for monitoring	2250	2250	0
	iii) Extension Activities (Field day)	3750	3750	0
	iv)Publication of literature			0
	Total	60000	60000	0

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)													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
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													

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
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming	1	15	0	0	0	0	0	0	0	0	15	0	15
Seed production	1	15	0	0	0	0	0	0	0	0	15	0	15
Production of organic inputs	2	15	0	15	13	7	20	0	0	0	28	7	35
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping													
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	1	20	0	20	0	0	0	0	0	0	20	0	20
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing	1	20	0	20	0	0	0	0	0	0	20	0	20
Others (Soil fertility mgmt)	3	30		30	12	8	20				42	8	50
Others	2	30	0	0	0	0	0	0	0	0	30	0	30
Total	**11**	**145**	**0**	**85**	**25**	**15**	**40**	**0**	**0**	**0**	**170**	**15**	**185**

IV. 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	1	10	0	0	0	0	0	0	0	0	10	0	10
Integrated crop Management	2	20	0	0	0	0	0	0	0	0	20	0	20
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals	1	3	4	7	1	1	2	1	0	1	5	5	10
	1	0	4	4	1	0	1	3	1	4	4	6	10
Livestock feed and fodder production													
Household food security													
Other													
Total	**5**	**33**	**8**	**11**	**2**	**1**	**3**	**4**	**1**	**5**	**39**	**11**	**50**

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	90	10	100	-	-	-	-	-	-	90	10	100
Resource Conservation Technologies	2	50	0	50	-	-	-	-	-	-	50	-	50
Cropping Systems	1	25	0	25	-	-	-	-	-	-	25	-	25
Crop Diversification	1	25	0	25	-	-	-	-	-	-	25	-	25
Integrated Farming	2	25	25	50	-	-	-	-	-	-	25	25	50
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management	8	140	32	172	22	5	27	1	0	1	163	37	200
Soil & water conservation													
Integrated nutrient Management	9	155		155	25	25	50	20		20	200	25	225
Production of organic inputs													
Others													
Total	**27**	**510**	**67**	**577**	**47**	**30**	**77**	**21**	**0**	**21**	**578**	**97**	**675**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off season vegetables	2	50	0	50	0	0	0	0	0	0	50	0	50
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation	1	0	25	0	0	0	0	0	0	0	0	25	25
Others													
Total (a)	**3**	**50**	**25**	**50**	**0**	**0**	**0**	**0**	**0**	**0**	**50**	**25**	**75**
b) Fruits													
Training and Pruning	1	0	18	18	0	2	2	0	5	5	0	25	25
Layout and Management of Orchards													
Cultivation of Fruit													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)	**1**	**0**	**18**	**18**	**0**	**2**	**2**	**0**	**5**	**5**	**0**	**25**	**25**
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants	2	16	9	25	0	25	25	0	0	0	16	34	50
Others													
Total ©	**2**	**16**	**9**	**25**	**0**	**25**	**25**	**0**	**0**	**0**	**16**	**34**	**50**
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management	9	155		155	25	25	50	20		20	200	25	225
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	**9**	**155**		**155**	**25**	**25**	**50**	**20**		**20**	**200**	**25**	**225**

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	1	14	0	14	2	0	2	9	0	9	25	0	25
Poultry Management	3	49	0	49	4	21	25	1	0	1	50	25	75
Piggery Management													
Rabbit Management													
Animal Nutrition Management	1	24	0	24	1	0	0	0	0	0	24	1	25
Disease Management													
Feed & fodder technologies	2	38	4	42	2	0	2	6	0	6	46	4	50
Production of quality animal products													
Others (Goatery)	2	45	0	45	4	0	4	1	0	1	50	0	50
Total	**9**	**170**	**4**	**174**	**13**	**21**	**33**	**17**	**0**	**17**	**195**	**30**	**225**
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 (mushroom_	1	0	0	0	0	25	25	0	0	0	0	25	25
Total	**1**	**0**	**0**	**0**	**0**	**25**	**25**	**0**	**0**	**0**	**0**	**25**	**25**
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													

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
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
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	**52**	**901**	**123**	**999**	**85**	**128**	**212**	**58**	**5**	**63**	**1039**	**261**	**1300**

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)

1. 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	90	10	100	-	-	-	-	-	-	90	10	100
Resource Conservation Technologies	2	50	0	50	-	-	-	-	-	-	50	-	50
Cropping Systems	1	25	0	25	-	-	-	-	-	-	25	-	25
Crop Diversification	1	25	0	25	-	-	-	-	-	-	25	-	25
Integrated Farming	2	25	25	50	-	-	-	-	-	-	25	25	50
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management	8	140	32	172	22	5	27	1	0	1	163	37	200
Soil & water conservation													
Integrated nutrient Management	9	155		155	25	25	50	20		20	200	25	225
Production of organic inputs													
Others													
Total	**27**	**510**	**67**	**577**	**47**	**30**	**77**	**21**	**0**	**21**	**578**	**97**	**675**
II. Horticulture													
a) Vegetable Crops													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of low volume and high value crops													
Off-season vegetables	2	50	0	50	0	0	0	0	0	0	50	0	50
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation	1	0	25	0	0	0	0	0	0	0	0	25	25
Others													
Total (a)	**3**	**50**	**25**	**50**	**0**	**0**	**0**	**0**	**0**	**0**	**50**	**25**	**75**
b) Fruits													
Training and Pruning	1	0	18	18	0	2	2	0	5	5	0	25	25
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)	**1**	**0**	**18**	**18**	**0**	**2**	**2**	**0**	**5**	**5**	**0**	**25**	**25**
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants	2	16	9	25	0	25	25	0	0	0	16	34	50
Others													
Total ©	**2**	**16**	**9**	**25**	**0**	**25**	**25**	**0**	**0**	**0**	**16**	**34**	**50**
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													

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
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management	9	155		155	25	25	50	20		20	200	25	225
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	**9**	**155**		**155**	**25**	**25**	**50**	**20**		**20**	**200**	**25**	**225**
IV. Livestock Production and Management													
Dairy Management	1	14	0	14	2	0	2	9	0	9	25	0	25
Poultry Management	3	49	0	49	4	21	25	1	0	1	50	25	75
Piggery Management													
Rabbit Management													
Animal Nutrition Management	1	24	0	24	1	0	0	0	0	0	24	1	25
Disease Management													
Feed & fodder technologies	2	38	4	42	2	0	2	6	0	6	46	4	50
Production of quality animal products													
Others	2	45	0	45	4	0	4	1	0	1	50	0	50
Total	**9**	**170**	**4**	**174**	**13**	**21**	**33**	**17**	**0**	**17**	**195**	**30**	**225**
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	1	0	0	0	0	25	25	0	0	0	0	25	25
Total	**1**	**0**	**0**	**0**	**0**	**25**	**25**	**0**	**0**	**0**	**0**	**25**	**25**
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													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of													

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													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**52**	**901**	**123**	**999**	**85**	**128**	**212**	**58**	**5**	**63**	**1039**	**261**	**1300**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming	1	15	0	0	0	0	0	0	0	0	15	0	15
Seed production	1	15	0	0	0	0	0	0	0	0	15	0	15
Production of organic inputs	2	15	0	15	13	7	20	0	0	0	28	7	35
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													

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	1	20	0	20	0	0	0	0	0	0	20	0	20
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing	1	20	0	20	0	0	0	0	0	0	20	0	20
Others	5	60	0	30	12	8	20				72	8	80
Total	**11**	**145**	**0**	**85**	**25**	**15**	**40**	**0**	**0**	**0**	**170**	**15**	**185**

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	1	10	0	0	0	0	0	0	0	0	10	0	10
Integrated crop Management	2	20	0	0	0	0	0	0	0	0	20	0	20
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	1	3	4	7	1	1	2	1	0	1	5	5	10
Livestock feed and fodder production	1	0	4	4	1	0	1	3	1	4	4	6	10
Household food security													
Other													
Total	**5**	**33**	**8**	**11**	**2**	**1**	**3**	**4**	**1**	**5**	**39**	**11**	**50**

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
Agronomy	F/FW	Brown manuring and green manuring technique in rice	1	Off	18	7	25	0	0	0
	F/FW	Pre and post emergence herbicide for weed management in rice and their mode of action	1	Off	25	0	25	4	0	4
	F/FW	Use of CLCC in paddy for proper N management	1	Off	24	1	25	1	0	1
	F/FW	Biofertified rice and their agronomic practices	1	Off	18	7	25	0	0	0
	F/FW	Preparation and use of organic inputs	1	Off	19	0	19	6	0	6
	RY	Use of CLCC in paddy for proper nitrogen management	1	ON	15	0	15	0	0	0
	F/FW	Seed treatment of pulses through microbial culture	1	Off	18	7	25	0	0	0
	F/FW	Nutrient management in Sweet corn	1	Off	19	0	19	6	0	6
	F/FW	Integrated weed management in Maize	1	Off	24	1	25	1	0	1
	RY	Successful model of 1 ha integrated farming system	1	Off	15	0	15	0	0	0
	IS	Crop diversification in rainfed area	1	ON	15	0	15	0	0	0
	IS	Climate resilient agriculture	1	Off	10	0	10	2	0	2
	RY	Preparation and use of organic inpurs	1	ON	20	0	20	0	0	0
Soil Science	F/FW	Sulphur and Boron application for pod development in groundnut	1	Off campus	16	9	25	1	5	6
	F/FW	Vermicomposting	1	Off	6	19	25	3	12	15

		techniques		campus						
	F/FW	Methods of zinc and boron application in rice	1	Off campus	25	0	25	18	0	18
	F/FW	Site specific nutrient management	1	Off campus	0	25	25	0	21	21
	F/FW	INM in greengram	1	Off campus	18	7	25	0	5	5
	F/FW	Application of microbial consortia to increase the production of pigeon pea	1	Off campus	25	0	25	8	0	8
	F/FW	B and Mo application for management of browning and whiptail disease in cauliflower	1	Off campus	21	4	25	11	1	12
	F/FW	Biofertilizer application in vegetables	1	Off campus	18	7	25	0	0	0
	F/FW	Sulphur application in onion for enlargement of bulb	1	Off campus	19	0	19	6	0	6
	F/FW	Use of organic waste decomposer in NADEP composting	1	Off campus	24	1	25	1	0	1
	IS	Techniques of soil mgmt. for sustainable agriculture	1	ON	5	5	10	1	3	4
	IS	Management of problem soil in the district	1	ON	10	0	10	7	0	7
	RY	Nutrient deficiency symptoms and their mgmt	2	ON	14	1	15	0	0	0
	RY	Soil testing and interpretation of SHC for fertilizer application	2	ON	13	0	13	2	0	2
	RY	Use of lime for mgmt. of acid soil	2	ON	8	0	8	2	5	7
	F/FW	Nutrient mgmt. in sweet corn for higer production	1	Off campus	25	0	25	0	0	0
	RY	Vermicompost production technology	2	ON	15	0	15	0	0	0

	F/FW	Micronutreintdefficiency symptoms and their management practice in sweet corn	1	Off campus	25	0	25	0	0	0
Horticulture	F/FW	Scientific cultivation of Kharif Tomato	1	Off	25	0	25	0	0	0
	F/FW	Scientific cultivation of Kharif Onion	1	Off	25	0	25	0	0	0
	F/FW	Protected cultivation of Vegetable crops	1	Off	0	25	25	0	0	0
	F/FW	Training and Prunning of Orchard	1	Off	0	25	25	0	8	8
	F/FW	Commercial flower production	1	Off	16	9	25	0	0	0
	F/FW	Propagation technique of ornamental plants	1	Off	0	25	25	0	25	25
	RY	Integrated farming system for better income oppertunity	1	Off	0	20	20	0	20	20
	RY	Cultivation of Paddy straw mushroom	1	Off	0	20	20	0	20	20
Animal Sc.	F/FW	Method of straw treatment and feeding strategy in cows	1	Off	25	0	25	1	0	1
	F/FW	Spineless cactus cultivation as an alternate in dry and degraded soil	1	Off	25	0	25	01	0	01
	F/FW	Fodder (Hybrid napier and para grass) cultivation and feeding strategies in cows	1	Off	21	04	25	4	0	4
	F/FW	Feeding management in anestrous cows	1	Off	25	0	25	11	0	11
	F/FW	Importance of deworming and vaccination in goats and strategies to be followed	1	Off	25	0	25	0	0	0
	F/FW	Proper feeding and housing management in goats	1	Off	25	0	20	5	0	0
	F/FW	Azolla cultivation and feeding strategies in dairy cows	1	Off	25	0	25	4	0	4
	F/FW	Importance of	1	Off	0	25	25	0	5	5

		bypass fat and mineral mix feeding in dairy cows								
	IS	Recent trend in Livestock disease management (Mastititis, Milk fever and FMD)	1	ON	5	5	10	1	1	2
	F/FW	Backyard poultry rearing	1	Off	4	21	25	4	21	25
	IS	Antiparasite drug resistance in livestock and strategies to control	1	ON	4	6	10	4	2	6
	F/FW	Feeding management in pregnant does to prevent low milk yield after parturition	1	Off	22	3	25	9	0	9
	F/FW	Feeding management of chicken in backyard and dip litter system	1	ON	25	0	25	0	0	0
	F/FW	Artificial brooding management in chick to lower chick mortality	1	Off	25	0	25	1	0	1
	RY	Rearing of poultry in backyard system	1	ON	20	0	20	0	0	0
	RY	Feeding and pond management in composite pisciculture	1	Off	20	0	20	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	

*training title should specify the major technology /skill transferred

b) Details of participation

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

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

Total													
Agricultural Extension													
Capacity building and group dynamics													
Other													
Total													
Grand Total													

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

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

b) Details of participation

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

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

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	9	338	19	358	32	2	1	3	340	20	360
KisanMela	5	860	320	1180	35	30	8	38	620	98	1218
KisanGosthi											
Exhibition	5	200	150	350	38	20	7	27	220	157	377
Film Show	12	210	50	260	12	-	-	-	210	50	260
Method Demonstrations	23	104	-	104	42	-	-	-	104	-	104
Farmers Seminar											
Workshop											
Group meetings	12	228	22	240	20	-	-	-	228	22	240
Lectures delivered as resource persons	31	1100	200	1300	24	25	15	40	1125	215	1340
Advisory Services	44	370	25	395	15	-	-	-	370	25	395
Scientific visit to farmers field	90	845	120	965	-	25	12	37	870	132	1002
Farmers visit to KVK	42	338	105	443	-	-	-	-	-	-	443
Diagnostic visits	41	292	62	354	30	24	6	30	316	68	384
Exposure visits											
Ex-trainees Sammelan											
Soil health Camp											
Animal Health Camp	4	96	12	108					96	12	108
Agri mobile clinic											
Soil test campaigns											
Farm Science Club Conveners meet											
Self Help Group Conveners meetings	12	0	240	240					0	240	240
MahilaMandals Conveners meetings											
Celebration of important days (specify)	3	45	75	120					45	75	120
Agriculture Education Day	1	24	16	40	15	5	-		29	16	45

International Women Day	1	-	60	60	10	4	-	5	4	61	65
KrishakSammanNidhi	1	21	15	36	23	-	4	-	21	19	40
Jal Shakti Abhiyan	12	440	60	500	-	-	-		440	60	500
Women in agriculture day	1	-	34	34	18	-	5	5	-	39	39
World Soil day	1	64	11	75	22	16	9	25	80	20	100
Total	350	5575	1596	7162	336	151	67	210	5118	1329	7380

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	8
Radio talks	13
TV talks	-
Popular articles	4
Extension Literature	12
Other, if any	-

3.5 a. Production and supply of Technological products

Village seed

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
	Puja	222	7,21,500								
Rice	SwarnaShreya	90	2,92,500								
Grand Total		**312**	**10,14,000**								

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	Barkha	5000	5000								
Cabbage	Green challenger	4000	4000								
Tomato	A.Rakhyak, and Sakhyam	5000	5000								
Brinjal	VNR-212	5000	5000								
Chilli	VNR-305	5000	5000								
Onion	AFLR	100000	15000								
Others (Broccoli)	Besty	5000	5000								
Fruits											
Mango											
Guava											
Lime											
Papaya	Red lady	3000	60,000								
Banana											
Others (Drumstick)	PKM-1	2660	39,900								
Ornamental plants											
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Others, pl.specify											
Total		**134660**	**143900**								

Production of Bio-Products

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

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											

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

i) Name of Seed Hub Centre:

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

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown	Production	Category of

				(ha)		Seed (F/S, C/S)
Kharif 2022						
Rabi 2020-21						
Summer/Spring 2022						
Kharif 2022						
Rabi 2021-2022						

iii) Financial Progress

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

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

3.6.

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

Item	Title	Author's name	Number	Circulation
Research paper				
Seminar/conference/ symposia papers				
Books				
Bulletins				
News letter				
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature				
Technical reports				
Electronic Publication (CD/DVD etc.)				
TOTAL				

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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1	CAFT	Advance nutrition and Gut ecology for improving livestock productivity	Dr. Tapan Kumar Palai Scientist Animal Sc	22.11.2022 to 12.11.2022	IVRI, Bareilly
2.	Skill development	Short video production	Dr. Rahul DevBehera, SMS, Soil Science	15.12.2022 to 17.12.2022 (3 days)	OUAT, BBSR
3.	Training of Master trainers	FPO management	Dr. SatymayaSatapathy I/c SSH, KVK, Bolangir	19.12.2022 to 21.12.2022 (3 days)	OUAT, BBSR

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

Name of farmer	
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)	

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

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

3.9. a. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

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

b. Give details of organic farming practiced by the farmer

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

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1	Through trainings , phone calls , Field diagnostic visits , farmers visit to KVK	Need analysis of FW training
2	During expedition of FLD , OFT programmes and monitoring the programmes	Need analysis of FW/RY/IStraining
3	Extension activities like group meetings , Extraineessammelan, field days , farmers fair, celebration of special days, other flagship programmes etc.	Need analysis of FW/ RYtraining
4	From line dept. officials and extension workers during SAC meeting, RE linkage interface meeting, Review meetings, workshop on kharif and Rabi programmes	Need analysis of IS training
5	Flagship programmes , Top down approach by competent authority wrt urgency by central and state Govt.	No tool followed

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

Sl. No	Name of the Equipment	Qty.
1	Mridaparikshyak soil testing kit	1

3.11.b. Details of samples analyzed so far
:

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (inRs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
450	-	450	2250	13	-

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	Training on soil sample collection, testing and method of fertilizer recommendation	100	5	DebakiSahu (Z. P. President) SangeetaSuna (Member, Z.P.)	100	100

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

No of training programme	No of demonstrations	No of plant material produced	Visit by the farmers	Visit by the officials

3.13. Technology week celebration

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

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

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
31.03.2022	Mrs. SangitaSinghdeo MP, Bolangir	Visit to KVK and to participate PM`s webcasting program
31.03.2022	Sri MukeshMahaling MLA, Loisingha	Visit to KVK and to participate PM`s webcasting program
23.12.2022	Sri Suresh kumarVashishth, Commissioner-cum-Secretary, FARD, Govt. of Odisha	Visit to KVK to see the demonstration units and discussed with the scientists
24.12.2022	Dr. Susen Kumar Panda, Dean, College of Veterinary Science and Animal Husbandry, OUAT, Bhubaneswar	Visit to KVK to observe over all development
02.11.2022	Sri Asit Tripaty, Chairman, WODC	Visit to KVK to see the demonstration units

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)
Prodn. technique in Greengram	85	35	12,000/ ha	18,000/ ha
Prodn. technique in Chickpea	65	25	16,000/ ha	23,000/ ha
Soil health enhancement	150	20	20,000/ ha	32,000/ ha
Crop Production technology	200	25	22,000/ ha	33,000 / ha
Novel pesticides for IPM	50	40	15,000/ ha	22,000/ ha
Backyard Poultry	250	40	5000/ year	20,000/ year
Homestead Goatery	80	65	3300/goat/year	4000/goat/year

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
Herbicide application in pulses	6450 ha

INM in Vegetables	3800 ha
IPM in Vegetables	2200 ha
Stress tolerant Rice production in rainfed ecosystem	33400ha
Kitchen gardening	4450 households
Micronutrient application in Crucifer vegetables	850 ha.
Judicious use of pesticides	7000 ha

Give information in the same format as in case studies

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

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms
1	Demonstration on Fingermillet	140 famers till now got the requisite information on fingermillet. Agriculture department also spreadin the technology	140 numbers of farmers doing finger millet cultivation regularly
2	Demonstration of Kavery, LIT bird in backyard	75 farmers got the detail information of Kavery in backyard	The farmers are continuously opting Kavery for backyard rearing
2	Demonstration on Kharif Onion and Resistant Tomato	Famers adopting the varieties and getting desirable information and result	60 numbers of farmers opting the varieties and the varieties are also further spreading in the district
3	Training on soil sample collection and analysis	Youths imparted with the trainings are spreading the technology in the district	40 numbers youths are provided with the training and now working at grass rout leve

4.4. Details of innovations recorded by the KVK

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

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	
Name & complete address of the entrepreneur	
Role of KVK with quantitative data support:	
Timeline of the entrepreneurship development	
Technical Components of the Enterprise	
Status of entrepreneur before and after the enterprise	
Present working condition of enterprise in	

terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	
Horizontal spread of enterprise	

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
All line departments	Research- Extension linkage meeting to decide on convergence of works for farmers and work in field jointly for farmers
Agriculture Departement	Diagnostic field visits, Trainings, Special day celebration
ARD	Animal Health camp, Awareness camp on disease management, Diagnostic field visit, Special day celebration, Trainings
NGO	Group meetings, Trainings
KVKs of neighbouring districts	Share of manpower, infrastructure, technology
NHB	Monitoring of Orchards for stockings on quality planting material
CHES, NRRI and other ICAR institutes	Knowledge and skill development, Input Procurement
AIR/ Doordarshan	Broadcast of tech. messages and audio conference with farmers
ICARDA, N. Delhi	Procurement of pulse seeds for rainfed situation , monitoring of tech. activities
NABARD	Promotion of FPOs, Trainings of FPOs

5.2. List of special programmes undertaken during 2022by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/ breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Vermicompost unit	2021	50 m^2	Eisenia fetida	Vermin	19	3996	18954	

2.	Azolla	2021	30 m^2						
3.	IFS unit	2020	300m^2	Fish			3900	6249	
4.	Fodder unit	2020	40 m^2				-	-	
5.	Cactus unit	2020	40 m^2				-	-	
6.	Dragon fruit	2021	672 m^2	Morocan red			3,000	-	
7.	Medicinal unit	2019	168 m^2				3500	-	
8.	Crop cafeteria	2019	2000m^2				8500	12200	
9.	Poultry	2011		Asel		2700	127350	175500	
	Total		1200 m^2				150246	212903	

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	08.07.22	04.12.22	5	Pooja	FS	222	375092	721500	
	16.07.22	01.12.22	2	Swarna Shreya	FS	90	250060	292500	
Vegetable seedling Tomato,Brinjal,Cabbage,Cauliflower and Papaya & Drumstick	15.1022 to 15.12.22	15.11.22 to 15.01.23	0.4		Seedling	140000	70257	209592	
Total			7.4				695409	1223592	

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.	Vermin and vermicompost	19200	3996	18954	

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Poultry brooding unit	LIT birds	Brooded chicks	2000	127350	175500	Sold under RF
2.	Fodder unit	Hybrid napier	Stumps	-	-	-	50 numbers of stumps supplied to interested

							farmers free of cost
3.	Azolla unit	Azolla pinnata	Seed	-	-	-	Small amounts supplied to interested farmers free of cost

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)
Total :			

(For whole of the year)

6.6. Utilization of staff quarters

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

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current Account	SBI	Main branch Bolangir	30966088644

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	
Rape Seed & Mustard		60,000		60,000	Nil
Sunflower		1,20,000		1,20,000	

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	
Greengram		90,000		90,000	Nil

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

Sl. No	Particulars	Sanctioned	Released	Expenditure
A	**RECURRING Contingency**			
1	Pay and allowance	8970000	8970000	7476791
2	Travelling Allowances	120000	120000	86681
3	HRD	30000	30000	4100
4	**CONTINGENCY (a to h)**			
a.	Stationeries Telephone Postage and other exp. On office running			132658
b.	POL repair of vehicles tractor and implements	240000		107342
c.	Meals/refreshment of Trainees		600000	
d.	Training materials			
e.	Training on Extension Functionaries	180000		180000
f.	FLD except Oilseeds and Pulses	90000		90000
G	On-farm testing	90000		40658
h.	SCSP / TSP	1873000	1873000	1873000
	TOTAL (A)	**11593000**	**11593000**	**9991230**
B	**NON-RECURRING ITEMS**			
A	**Equipments & Furniture**	170000	170000	170000
B	**Library**	10000	10000	10000
	TOTAL (B)	**180000**	**180000**	**180000**
C	**Other than Main Grant**			
1	C-FLD Oilseed	180000	180000	180000
2	C-FLD Pulses (*Audit Fees 1200)	90000	90000	90000
3	GaribKalyanYojana	212328	212328	212328
4	NICRA (*Audit Fees 1200)	902100	902100	902100
5	Swachhata Action Plan (*Audit Fees 300)	17250	17250	17250
6	KisanBhagidari	100000	100000	100000
7	Agri Startup Conclave	14238	14238	14238
8	Pump Technician Training	30000	30000	30000
	TOTAL (C)	1545916	1545916	1545916
	GRAND TOTAL (A+B+C)	**13318916**	**13318916**	**11717146**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2018-19				
2019-20	5,81,086	6,91,900	4,55,243	1,38,301
2020-21	1,38,301	7,05,559	5,84,142	5,33,950
2021-22	5,33,950	11,45,818	6,29,929	3,34,993
2022-23	3,34,993	8,76,725	8,20,991	9,23,314 Cash and Rs 7,73,500 in Kind

7.6. (i) Number of SHGs formed by KVKs

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

7.7. Joint activity carried out with line departments and ATMA

Nameof activity	Number of activity	Season	With line department	With ATMA	With both
Research Extension interface	12	Kharif and Rabi 2022	Agriculture, Horticulture, ARD, Fishery		
Joint field to BPH affected area	6	Kharif 2022	Agriculture		
Field visit to vegetable patches	3	Rabi	Horticulture		
Diagnostic field visit (FMD, HS, LSD, PPR)	8	Kharif and Rabi	ARD		
Resource person in trainings on livestock production	10	Kharif and Rabi 2022-23	ARD		
Animal Health Camp	4	Rabi 2022	ARD		
Celebration of World Egg day	1	Rabi 2022	ARD		
Celebration of World Milk Day	1	Kharif 2022	ARD		
Celebration of Go sambardhanadiwas	1	Rabi 2022	ARD		
Organisation of Dairy summit	1	Rabi 2022	ARD		
Celebration of World Soil Day	1	Rabi 2022	Agricultre		
Planting material verification	3	Rabi 2022	Horticulture		
NRM activities of NICRA village	2	Kharif 2022	Panchayat raj and Soil conservation		
Capacity building training to WSHG	2	Kharif and Rabi 2022	OLM and Mission Shakti		
Capacity building trainings to CEOs and BODs of FPOs	4	Rabi, 2022	NABARD and NGOs		

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)
BPH infestation	Paddy	Oct 1st week	2300	10	Awareness programmes, capacity building of farmers
Fall Army worm	Maize	July 4th week	450	17	Workshop, field visit , advisory to farmers, KMAS
Bacterial leaf Blight	Paddy	August 2nd week	23000	15	Workshop, field visit , advisory to farmers, KMAS

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond (in ha)
PPR	Goay		65%	Vaccination done by dist ARD	
Lumpy skin disease	Cow	Incidence and prevalence , not in out break situation	Nil	Vaccination done by dist ARD	
Goat Pox	Goat		3%	Vaccination done by dist ARD	
FMD	Cow		Nil	Vaccination done by dist ARD	
RD	Poultry		50 %	-	
Avian pox	Poultry		3 %	Vaccination done by dist ARD	

9.1. Nehru YuvaKendra(NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

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

Type of message	No. of messages	No. of farmers covered
Crop	37	9100
Livestock	22	3200
Fishery	nil	-
Weather	14	210
Marketing	5	415
Awareness	9	125
Training information	Nil	-
Other	4	7450
Total	89	20500

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
28.03.2023 29.03.2023	Awareness program on Swachhata involving 50 numbers of students at Larkipali UP School Awareness and cleaning program involving villagers of Odiapali

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	-	-
2. Basic maintenance	-	-
3. Sanitation and SBM	12	4250
4. Cleaning and beautification of surrounding areas	5	4200
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	6	400
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level	2	4000
8. Swachhta Workshops	2	-
9. Swachhta Pledge	4	-
10. Display and Banner	2	500
11. Foster healthy competition	1	-
12. Involvement of print and electronic media	-	-
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	4	-
14. No of Staff members involved in the activities	10	-
15. No of VIP/VVIPs involved in the activities	5	-
16. Any other specific activity (in details)		
Total	**53**	**16950**

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with SeemaSurakshaBal/ BSF

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
Larkipali UP school	25.11.2022	-	Black board

Give good quality 1-2 photograph(s)

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

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

9.10. Details of Swachhta Hi Surakshaprogramme organized

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

9.11. Details of MahilaKisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Celebration of MahilaKisanDiwas	02	50	1	Sasmita Nanda

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	UdayaNaik	Village: Bargaon, Bolangir 9938732203	All season cultivation of sweet corn, goatery
2	RajuSahu	Village- Dangaghat, Bolangir-9348522356	Dairy and Goatery
3	Siba Prasad Barik	Village- Uparjhar, Bolangir-7608949481	Fodder farming, Goatery
4	UddhabaNaik	Village: Bargaon, Bolangir	Dairy
5	JayadevMerli	Village- Brahmnidungri , Loisingha 7735892296	Brinjal and Okra Cultivation
6	IndraSahu	Village: Darlipali , Khaprakhol, -9556452190	Cotton
7	PradumnaTeji	Village:Magurbeda, Loisingha-9937623894	Relay cropping of Pointedgourd in single trellis system
8	RajlalChandan	Village: Bagbahal , Bongamunda ,Bolangir-6370664136	Onion cultivation
9	SatyabrataThati	Village:Banbahal, Bolangir-8658942615	Fishery
10	MukundaBadhei	Village: Magurbeda, Loisingha-9439875271	Onion
11	NitynandaSai	Village-Odiapali, Puintala 9439144782	Paddy, Green gram
12	ManojkumarMahar	Village-Odiapali, Puintala 7077227790	Paddy, greengram, dairy and poultry
13	Asis Patel	Village-Bargaon, Bolangir	Dairy
14	PanchananaSahu	Village- Odiapali , Puintala	Sheep and goat

9.13. Revenue generation

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

9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
22.1.2021	IMD	Functioning

9.16. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Odisha	Bolangir	Contingent plan for drought situation	4	55	Contingent measures for crops, live-stock, Fisheries wrt delayed or abrupt cessation for few days to few weeks

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

a) Year:
b) Introduction / General Information:

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

11. Details of TSP

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

Programmes	**Physical achievements**
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	
On-farm trials (Number)	
Frontline demonstrations (Number)	
Farmers training (in lakh)	
Extension personnel training (in lakh)	
Participants in extension activities (in lakh)	
Seed production (in tonnes)	
Planting material production (in lakh)	
Livestock strains and fingerlings production (in lakh)	
Soil, water, plant, manures samples testing (in lakh)	
Provision of mobile agro – advisory to farmers (in lakh)	
No. of otherprogrammes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	

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

c. Achievements of physical out come under TSP during 2022-2023

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

d. Location and Beneficiary Details during 2022-2023

District	***Sub-district***	***No. of Village covered***	***Name of village(s) covered***	***ST population benefitted (No.)***		
				M	F	T

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

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
Demonstration of Vermicomposting through ring method	20	20	-							20	-	20	
Bund trimming on dyke for plantation	1	1	0.8							30	20	60	

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted									Remarks
		SC		ST		Other		Total			
		M	F	M	F	M	F	M	F	T	
Demonstration on Stress tolerant rice variety Swarnashreya	20							30	-	30	
Demonstration on Biofortified rice variety CR Dhan 311&315	10							30	-	30	
Demonstration on Sweet corn hybrid NSCH 12	2							12	-	12	

Demonstration on Heat tolerant Cabbage Pusa cabbage	0.25							20	-	20	
Demonstration on Okra variety Pusabhindi5	2							10			
Demonstration on Bottle gourd variety Pusa Naveen	2							12			
Demonstration on Foliar application of wsf (18:18:18) NPK in green gram	20							50	-	50	

Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
Demonstration on Poultry Var. Kaveri in backyard	1200	60	-					57	3	57	3	60	
Demonstration of Azolla using polythene bag	27	27	-					27	0	27	0	27	
Demonstration on feeding on mineral mixture and bypass fat to increase milk production and specific gravity	16	12	-					12	0	12	0	12	

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	
Formation of Producers group	1	60	0	0	0	0	0	60	0	60	60	
Vermicompost production	20	20	0	0	0	0	20	0	20	0	20	
Custom hiring centre	1	9	0	0	0	0	6	3	6	3	9	
Agarbati preparation	1	60	0	0	0	0	0	60	0	60	60	
Community fodder bank	1	6	0	0	0	0	4	0	4	0	4	
Azolla unit	27	27	0	0	0	0	27	0	27	0	27	

Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
Organic farming	1	0	0	0	0	0	0	20	0	20
Crop production	1	0	0	0	0	0	0	20	0	20
Pisciculture	1	0	0	0	0	0	0	20	0	20
Animal Husbandry	1	0	0	0	0	0	0	20	0	20
Horticulture	1	0	0	0	0	0	0	7	13	20

Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
Field day	4	0	0	0	0	120	0	120	0	120
Group meeting	1	0	0	0	45	6	45	6	45	51
JalshaktiAvijan	2	0	0	0	0	50	0	50	0	50
Anima health camp	1	0	0	0	0	27	0	27	0	27
De worming camp	1	0	0	0	0	24	0	24	0	24
Farmers Scientist Interface	2	0	0	0	0	40	12	40	12	52
Scientist field visit	22	0	0	0	0	224	38	224	38	262

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

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

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

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

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1	Pruthuna Farmers Producer Company Limited		04.01.2019		Groundnut Cultivation		Rs 53,77,796/-	
2	Patneswari Farmers Producer Company Limited		11.01.2019		Rice Seed Production		Rs 55,62,717	

16. Integrated Farming System (IFS)

Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1							

17. Technologies for Doubling Farmers' Income

Sl. No.	**Name of the Technology**	**Brief Details of Technology (3- 5 bullet points)**	**Net Return to the farmer (Rs.) per ha per year due to adoption of the technology**	**No. of farmers adopted the technology in the district**	**One high resolution 'Photo' in 'jpg' format for each technology**
1	Paddy + Greengram production system	# Paddy var. Sahabhagidhan, line transplanting , herbicide oxadiargyl # Greengram var. TARM-1 paira, herbicide Imazethapyr, 1.5 % DAP spray once at flowering and second after 15 days # Mineral mixture @ 50 gm/cow, Fodder Hyb. Napier ;Dhingri mushroom (20 beds);	45,200 (FP 29,00)	2	

		Banarajapoultry(20 no.); Tissue culture banana G-naine(10 no.)			
2	Paddy / Vegetable-Greengram production system	# Paddy Var. pratikshya, 15 days early transplanting , herbicide, almix, STBF application # Veg like Brinjal, tomato, onion, micronutrient application, herbicide pendimethalin , seed 92reatment and nursery treatment with metalaxyl&mancozeb # Greengram IPM 02-14, micronutrient, YMV management # Mineral mixture @ 50 gm/cow, Fodder Hyb. Napier ;Dhingri mushroom (20 beds); Banarajapoultry(20 no.); Tissue culture banana G-naine(10 no.)	1,20,800 (FP 77,000)	2	
	Rice/ Groundnut-Greengram production system	# G.Nut var. Devi, Herbicide imazethapyr, micronutrient zypmite , drenching with chloropyriphos, seed dressing with biofertiliser, veg. like growing of onion, cauliflower, Tomato # Pooja var. transplanting 21 days old seedling, herbicide byspyribac sodium # GreengramDurga var. line sowing, Q.ethylherbicide, micronutrient application. # Mineral mixture @ 50 gm/cow, Fodder Hyb. Napier ;Dhingri mushroom (20 beds); Banarajapoultry(20 no.); Tissue culture banana G-naine(10 no.)	88,600 (FP 55,100)	2	

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

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

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

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

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

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

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

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

21. Information on NARI Project(if applicable)

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

22. Information on KrishiKalyanAbhiyanPhase-III, if applicable

a) Training achievements

Name of KVK	*Period*	*No. of Training on diversified farming practices for doubling farmers' income organized*	*No. of farmers trained*	
			Male	*Female*
	01.01.2022 to 31.12.2022	48	980	220

b) Other achievements

Sl. No.	**Particulars**	**January, 2022 to December, 2022**
1	Number of demonstrations other than oilseeds and pulses	12
2	Number of demonstrations on oilseed crops	02
3	Number of demonstrations on pulse crops	01
4	Number of farmers trained	1200
5	Number of participants in Extension activities	1450
6	Number of farmers for Mobile Advisory	46
7	Production of seeds (in quintal)	312
8	Production of planting material (Number)	140000
9	Number of soil sample tested	500
10	Number of farmers covered in Climate Resilient villages	60
11	Number of farm families covered in Farmer FIRST project	-
12	ARYA project: Number of youth trained	-
13	ARYA project: Number of entrepreneurial activities started	-
14	Number of farm families in DFI villages	10

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

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

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

Finger millet var. Arjun

Sweet Corn

Micro nutrient in Cauliflower

INM Sweet Corn

Artificial Brodding Management in Chicks

Deworming in Goat

Azolla

Animal Health Camp

Mahila Krushi Diwas

PRA Survey