PROFORMA FOR ANNUAL REPORT 2022 (January-December 2022)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Senior Scientist & Head, Krishi Vigyan Kendra At-Arkabahali Pada Agriculture Farm Dist- Kalahandi Pin-766001 Ph. No-6373568845	--	--	kvkkalahandi.ouat@gmail. com

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

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture and Technology, Bhubaneswar Pin: 751 003	0674-2397362	2397933	deanextensionouat@yahoo.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Amitabh Panda	--	09437297307	amitabhp70@gmail.com

1.4. Year of sanction of KVK: 1994

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 (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr. Amitabh Panda	Senior Scientist& Head	Horticulture	Rs. 22000/- AGP 8000/-	17.05.2018	Permanent	OT
2	Subject Matter Specialist	Mr. Tribijayi Badjena	Scientist (Agril. Extension)	Agril. Extension	Rs15600-39100/- AGP6000/-	01.08.2022	Permanent	OT
3	Subject Matter Specialist	Smt. Tulasi Majhi	Scientist (Horticulture)	Horticulture	Rs15600-39100/- AGP6000/-	22.05.2012	Permanent	ST
4	Subject Matter Specialist	Dr.Hrudananda Malik,	Scientist (Animal Science)	Animal Science	Rs15600-39100/- AGP6000/-	16.06.2015	Permanent	SC
5	Subject Matter Specialist	Miss Utkalika Naik,	Scientist(Agronomy)	Agronomy	Rs15600-39100/- AGP 5400/-	11.09.2018	Permanent	ST
6	Subject Matter Specialist	Mrs. Jyotirekha Mallick	Scientist (Plant Protection)	Entomology	Rs15600-39100/- AGP6000/-	12.08.2005	Permanent	OT
7	Subject Matter Specialist	-	-	-	-	-	-	-
8	Programme Assistant	Sri Srikrushana Behera,	Programme Asst. (Plant Physiology)	Plant Physiology	Rs9300-34800/- AGP Rs.4200/-	23.12.2015	Permanent	OT
9	Computer Programmer	Sri Subhendu Kumar Jena	Programme Asst. (Computer)	-	Rs9300-34800/- AGP Rs.4200/-	01.08.2022	Permanent	OT
10	Farm Manager	-	-	-	-	-	-	-
11	Accountant / Superintendent	-	-	-	-	-	-	-
12	Stenographer	Miss Chandrakandi Mallick,	Jr. Steno-cum-Computer Operator	BA	Rs5200-20200/-AGP Rs.2400/-	28.07.2015	Permanent	SC
13.	Driver	Sri Keshaba Chandra Sa	Driver-cum-Mechanic	1Oth	Rs. 5200-20200/- AGP Rs.1900/-	19.07.2008	Permanent	OBC
14.	Driver	Sri Pradeep Kumar Pradhan	Driver-cum-Mechanic	10th	Rs. 5200-20200/- AGP Rs.1900/-	27.07.2015	Permanent	OT
15.	Supporting staff	Sri Bhuta Naik,	Peon-cum-Watchman	8th	Rs.4440-7440/- AGP Rs.1300/- Rs.6010/-	26.07.2008	Permanent	SC
16.	Supporting staff	Sri Sangita Goud,	Peon-cum-Watchman	8th	Rs. 4750-14680/- AGP Rs.1500/-	28.11.2014	Permanent	SC

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	2.0
2.	Under Demonstration Units	1.0
3.	Under Crops	14.0
4.	Orchard/Agro-forestry	2.0
5.	Others with details	(1.3)
6.	IFS	0.4
7.	Rain Harvesting Structure	0.4
8.	Farm Path	0.5
	Total	20.3

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building	Completed	Completed	Completed	Completed	Completed	5929	Used	ICAR
2.	Farmers Hostel	Completed	Completed	Completed	Completed	Completed	756.25	Used	ICAR
3.	Staff Quarters (6)	Completed (02no.)	Completed	Completed	Completed	Completed		Used	ICAR
4.	Piggery unit	Not yet started	--	--	--	--	--	--	--
5	Fencing		--	--	--	--	--	--	--
6	Rain Water harvesting structure	Not yet started	--	--	--	--	--	--	--
7	Threshing floor	Completed	Completed	Completed	Completed	Completed	210	Used	RKVY
8	Farm gdown	Completed	Completed	Completed	Completed	Completed		Used	ICAR
9.	Dairy unit	--							
10.	Poultry unit	Completed	Completed	Completed	Completed	Completed	250	used	RKVY
11.	Goatary unit	ongoing							
12.	Mushroom Lab	Completed	Completed	Completed	Completed	Completed	31.72	Used	RKVY
13.	Mushroom production unit	Completed	Completed	Completed	Completed	Completed	35.0	Used	RKVY
14.	Shade house						92.4		
15.	Soil test Lab	Completed	Completed	Completed	Completed	Completed	40.0	Used	ICAR
16.	Portable carp hatchery	Completed	Completed	Completed	Completed	Completed		Not used	RKVY
17.	Portable hatching unit (Poultry)	Not yet started	Completed	Completed	Completed	Completed		Not used	NICRA

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	2022	9,00,000	-	-
Tractor	2019	7,00,000	325 hrs	Running condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Nitrogen analyser	2003	2,70,000	All the equipment are in functional condition except Nitrogen analyser and incubator	ICAR
Spectrophotometer	2003	65,000		ICAR
Ph meter	2003	4400		ICAR
Conductivity Meter	2003	5500		ICAR
Hot air oven	2003	16,000		ICAR
Chemical balance	2003	12,000		ICAR
Mechanical shaker	2003	14,000		ICAR
Water Bath	2003	12,000		ICAR
Incubator	2003	45,000		ICAR
Mridaparikshak kit	2017	90,300		ICAR
Autoclave (Fully automatic)	2011	62,000	Functional condition	RKVY
Hot air oven	2011	15,000	Functional condition	RKVY
Laminar Air Flow	2011	49,000	Functional condition	RKVY
Weighing Balance	2011	5400	Functional condition	RKVY
Colony counter	2022	5350	Functional condition	ICAR
Laminar flow	2022	75000	Functional condition	ICAR
Autoclave	2022	72900	Functional condition	ICAR
Hot air oven	2022	27500	Functional condition	ICAR
BOD incubator	2022	85000	Functional condition	ICAR
pH meter	2022	23800	Functional condition	ICAR
Centrifuge	2022	29000	Functional condition	ICAR
Digital weighing machine	2022	22000	Functional condition	ICAR
LPG Cylinder and Bunsen burner	2022	5000	Functional condition	ICAR

Magnifier	2022	6000	Functional condition	ICAR
Refrigerator	2022	20000	Functional condition	ICAR
Double distillation water unit	2022	39499	Functional condition	ICAR
Microwave	2022	17100	Functional condition	ICAR
b. Farm machinery				
Rotavator	2005	7,00000	Functional	ICAR
cultivator	2019	16,953	Functional	ICAR
MB plough	2005	31,000	Functional	ICAR
Power sprayer	2018	9500	Functional	ICAR
c.AV Aids				
Projector Epson S3	2018	30,900	AV aid is in functional condition	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Rotavator	2005	7,00000	Functional	ICAR
cultivator	2019	16,953	Functional	ICAR
MB plough	2005	31,000	Functional	ICAR
Power sprayer	2018	9500	Functional	ICAR

1.8. Details of SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	20.02.2023	35	Popularization of low water requiring crops and fodder.	▪ Four no of F &FW training were conducted covering 100 no. of beneficiaries on cultivation and management of fodder crops (village: Tentulipada, Badchirang, Rengali, Burat). ▪ Low cost silage was demonstrated at village Sikerguda covering 20 nos. farmers. With collaboration with NABARD and an FPO Bamunikhal, one silage processing unit with capacity of 2500 quintal was established which benefited fifty nos. of farmers around the village.	

				▪ In collaboration with ICARDA low water requiring fodder crops like spine less cactus was demonstrated was conducted at Th. Rampur block covering 40 nos. of farmers ▪ Demonstration on dragon fruit was conducted covering 30 nos. of farmers (Vill: Khairabadi, Indramal, Rengali) ▪ Four no of farmer& farm women training is conducted covering 100 no. of beneficiaries on dragon fruit cultivation.	
			Promotion of Natural farming	▪ Eight nos. of demonstrations on natural farming conducted at villages; Kanakpur, Kendugupka, Dumerguda, M.Rampur (No. of beneficiaries-30), Area- 2ha ▪ Four nos. of awareness was conducted covering 200 nos. of farmers at village kenduguka, Kamthana, khaing and M.Rampur ▪ Training cum method demonstration programme was conducted to aware and educate the farmers about natural farming followed by field visit (No. of farmers 110). ▪ Technical bulletin on natural farming was published for distribution among farmers. ▪ District 2000 Ha covered under BPKP. Farmers -2500	
			Emphasis should be on Kharif onion cultivation in suitable agro-ecological pockets of the district	▪ On farm testing on varietal assessment of high yielding variety of Kharif onion (Var. Bhima Super & L-883) was conducted (Village : and Gandamer,Chahaka Golamunda. No. of beneficiaries: 7) in Kharif, 2022. Area-0.8Ha ▪ Training cum method demonstration programme was conducted to aware and educate the farmers about the relative advantage of kharif onion cultivation followed by field visit to the onion grower. ▪ Visualizing the potential of kharif onion in the district horticulture department also have distributed onion seeds (var. Agri Found dark Red) in a subsidized rate.	

				▪ In the year 2022-23, Approximately of 160 ha of land is covered under kharif onion in the district. ▪ Technical bulletin on scientific cultivation of kharif onion was published for distribution among onion growers.	
			Breed evaluation of semi intensive poultry chicks suitable for backyard conditions in tribal pockets.	▪ On farm testing low input dual type chicken breeds (Chhabro and Kaveri) in semi-intensive rearing system was conducted at village Kendugupka and Majhiguda covering 10 no of farmers. ▪ Front line demonstration on poultry bird Aseel was conducted at village Tentulipada, Rengali and Burat covering 13 nos. of farmers. ▪ Kalinga brown breed of poultry birds (1500 nos. were supplied to beneficiaries (SHG and individual) under Dept. of Animal Husbandry of Kalahandi. ▪ Under revolving fund, 4050 no. of poultry chicks (i.e Kalinga brown, Aseel, Sonali etc.) was supplied to the farm families in the year 2022-23. ▪ Four no of F&FW training was conducted covering 100 no. of beneficiaries on rearing and brooding management in poultry.	
			Special focus on management of major pest and disease of important crops	▪ A total of 08 no of training cum method demonstration programme was conducted including 200 no of beneficiaries. ▪ Diagnostic field visit was conducted in collaboration with agriculture department to examine the BPH infestation of in Kharif rice in Karlamunda , jaipatna, Kesinga, Junagarh block. ▪ Demonstration on Integrated management of fall army worm in kharif maize was conducted in DFI village Rengali of Kesinga block. ▪ FLD on management on pod borer complex in arhar and pink boll worm in cotton was demonstrated in Boria, Rengali, Kamthana village (Beneficiaries:50).	

				▪ Technical guidance on diseases pest management through social network app (Whatsapp group, text message, audio and video message, youtube channel NRRI-Barta). Technical advisory (voice call) in collaboration with Reliance foundation.	
			Promotion of location specific Integrated Farming system (IFS) model in adopted villages in convergence mode	▪ Two no. of Integrated Farming system (IFS) model was developed in DFI village by KVK, Kalahandi ▪ Pond based farming system (Fishery+ horticulture) at village Dhaner, Dharmagarh. Sj. Aditya Kumar Sahu ▪ Fruit based farming system (Horticulture+ Agriculture) at village Boria, Kesinga. Sj. Indubhuwas swain ▪ With collaboration of horticulture department Horti-silvi based farming system (Horticulture+ Forestry) model is developed at village Ghantabahali, Junagarh . ▪ In the year 2022-23 watershed, Kalahandi has developed a total of 22 IFS units/farm pond in 4 blocks namely Bhawanipatna, in technical collaboration with KVK, Kalahandi. ▪ Off campus and on campus Training programmes were conducted on “Rice based IFS.” involving 40 nos. trainees.	
			Promotion of popular varieties of seeds, quality planting material and breeds of poultry.	▪ Demonstration on grafted tomato, brinjal was conducted at Tentulipada village of Bhawanipatna block. (No. of beneficiaries:13) Area-2Ha ▪ 2000 nos. of Sonali, kalinga brown, Kuroiler, kadaknath poultry birds were distributed to farmers under SC-SP activities ▪ 4000 nos. of oyster mushroom spawn were also distributed among farmers under SC-SP programme. ▪ 200 nos. of apple ber, 500 nos. of moringa plants and 300 nos. of dragon fruit (var. red) were distributed among tribal farmers at Rengali, Burat, Bindaniguda and Badchirang village.	

			KVK and department participation for strengthening the technical knowledge on processing and marketing for FPOs.	▪ Three days orientation programme on FPO management and game plan to Boards of directors and CEO of 6 FPOs (No. of participants: 30) ▪ Interaction with BODs and CEO for gap analysis of FPOs was conducted covering 40 nos. of participants. ▪ Three nos. of training on Oyester mushroom cultivation and marketing through FPO was conducted covering 75 nos. of farmers. ▪ In collaboration with NABARD and Mahashkati Foundation, training cum awareness programme on importance of FPO on Agri-marketing was conducted covering 200 nos. of farmers.	
			Institutional linkage of KVK with the line department should be strengthened	▪ District level Research-Extension interface meeting is conducted in liason with all department . ▪ Agriculture Dept.- Diagnostic field visit, E-pest surveillance, crop cutting and field day celebration and Resource sharing etc. ▪ Horticulture Dept.- inspection of private nursery, capacity building programme and joint field visit. ▪ Veterinary Dept.- Training programme, prani sampark mela and jointly organising animal health camp and supply of elite poultry birds. ▪ NABARD- monitoring the WADI programme and technical guidance to the farmer group. ▪ Watershed: Joint field visit and monitoring agricultural programme and sharing of technical knowhow ▪ Leading NGOs- Attending sponsored training programmes, virtual meetings and video calls, farmers scientist interaction, meetings, workshops and assessing field activities etc	
			Processing and value addition of horticultural	▪ Three residential training programme was conducted on processing and value addition of Mushroom, Tomato and	

			produce. .	Drumstick involving 50 no of participants. ▪ To mitigate nutritional security and to promote millet cultivation in tribal areas, Odisha millet mission programme is operated in Kalahandi district approximately an area of 5812 ha. A convergence training was conducted on value addition and processing of millets involving WSGH . ▪ In collaboration with ORMAS a district level meeting was organized for procurement of dehydrated mushroom to avoid distress sale of oyster mushroom. ▪ Visualizing the distress sale of Chironji seed in the district, attempt is taken for processing of chironji through seed decortications.	

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

Sl. no.	Item	Information
1	Major Farming system/enterprise	Paddy+ Greengram Paddy+Paddy Cotton+ Fallow
2	Agro-climatic Zone	Western undulating
3	Agro ecological situation	Red Soil, Medium Rainfall, Medium elevation Red Soil, High Rainfall, Medium elevation Red Soil, High Rainfall, High elevation Red &Yellow Soil, High Rainfall, Medium elevation Black Soil, Medium Rainfall, Medium elevation Black Soil, High Rainfall, Medium elevation Alluvial Soil Forest Soil
4	Soil type	Red soil, mixed red & yellow and black soil
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Paddy – 42.0 Maize-34.9 Pigeonpea-9.2 Greengram-6.5 Groundnut- 19.7 Sunflower-14.6 Banana- 215.6 Mango-41
6	Mean yearly temperature, rainfall, humidity of the district	Temperature Max -32.7^{0}C Min-20.6^{0}C Humidity Max -68.9% Min-61.3% Rainfall :1208.6 mm
7	Production of major livestock products like milk, egg, meat etc.	

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.	Tentulipada	Bhawanipatna	Tentulipada	Paddy, Cotton, Greengram Onion and seasonal vegetable	• High weed infestation in rice • Low yield due to moisture trace condition • Low yield due to Severe infestation of sucking pest in cotton • High cost involved in cotton harvesting (charges towards Labour cost) • Limited use of fertilizer • Low yield due to high bacterial wilt • Low yield due to • Infestation of sucking pest in vegetable crop	Weed Management Conservation of soil moisture Suitable cropping system Pest and disease management Farm machinery in harvest and post harvest operation Integrated nutrient management
2.	Badachergaon	Golamunda	Badachergaon	Paddy, Maize, Cauliflower, Groundnut Greengram Brinjal watermelon	• Low yield due to high pest incidence due to lack of knowledge about proper pest surveillance method in proper time • Low yield due to high incidence of Pest -FAW (Fall Army Worm) • Low yield due to Collar rot infestation during Kharif season • Low yield due to incidence of wilt • Less no. of female flower and fruit set in watermelon	Integrated pest management Integrated disease management Crop management practices Micronutrient management practices Use of organic products
3.	Rengali	Kesinga	Rengali	Paddy Banana Vegetables Animal Husbandry	• Low yield due to Severe infestation by different insect pests like SB, BPH, WBPH,LF, GM • Low yield due to Random application of Fertilizers • Less market demand of green colour ripened banana • Indiscriminate application of non targeted pesticide in improper dose and improper application • Less return due to Distress sale during harvesting • Low milk yield due to Poor feeding management • Low body weight gain due to high incidence of worm infestation • Lack vaccination and deworming in livestock • Improper feeding to livestock	Integrated disease pest management Nutrient management Processing and preservation Proper application of insecticide Market led agriculture Off season farming Feed and health management Vaccination and health management

4.	Bindhaniguda	Jaipatna	Bindhaniguda	Paddy Pigeonpea Maize Blackgram Animal husbandry	• Low Yield due to Use of susceptible variety and YSB in tillering stage • Low yield due to Severe infestation of pod borer complex during flowering time • Poor seed setting and small cub size • Banded leaf and sheath blight • High mortality of mother and its kid due to high incidence of PPR goat pox • Low income from backyard poultry due to Rearing of desi birds • Low body weight gain due to poor feeding management	Use of HYV and pest management practices Pest management Crop management Disease management Feeding management Rearing of semi intensive poultry chicks
5.	Dhaner	Junagarh	Dhaner	Paddy Vegetables Pulses Fruits Animal husbandry	• Low yield due to Weed Infestation • Low yield due to high pest incidence due to lack of knowledge about proper pest surveillance method in proper time • Low yield due to incidence of mosaic virus in cowpea • Infestation of mite at reproductive stage of chilli • Low yield due to Irregular bearing of Mango • Low milk yield due to poor disease management • Low body weight gain due to poor genetic makeup of local goat	Weed management Pest and disease management in vegetable crops Production of organic inputs and organic farming Low cost feed management Feed and health management

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	Activities taken up for development
Tentulipada	Bhawanipatna	• Assessment of sweet corn hybrids in rainfed upland • FLD on application of herbicide for weed management in onion • Demonstration on BPH tolerant rice variety Hasanta in shallow low land situation • High density planting system of Cotton in rainfed upland. • Demonstration on Management of Collar Rot disease in Groundnut • Demonstration on Management of YMV in mung bean • Demonstration on Management of Sucking pest in Cotton • Demonstration of trellis system in Tomato • Demonstration on performance of Portable Cotton Picker • Demonstration of high yielding Brinjal var. Swarna Ajay • On farm testing on different type of dual purpose bird in back yard • Demonstration on probiotics in Kalahandi buffalo • Training programme on pest & disease management in cotton, rice, chilli and brinjal • Training on Nutrient management in vegetable crops • Training programme on scientific bee keeping

		• Training on Cultural management in chilli • Conducting soil health camp
Rengali	Kesinga	• Assessment of foliar application of soluble fertilizers in Greengram • FLD on ethrel application in watermelon for enhanced fruit setting • Demonstration on weed management in Groundnut • Demonstration on Management of Fall Army Worm in maize • Demonstration on Management of YMV in mung bean • Demonstration of high yielding Brinjal var. Swarna Ajay • Training on Nursery management in off season vegetable. • Demonstration of Protray Nursery techniques for raising vegetable seedling • Demonstration on Management of Sucking pest in Cotton • Demonstration of trellis system in Tomato • Training on Nutrient management in Greengram • Cultural Management practices of watermelon • Training on Weed management in onion • Demonstration of portable brooder to check early mortality of chicks • Training programme on pest & disease management in cereals • Conducting animal health camp & soil health camp
Bindhaniguda	Jaipatna	• Assessment of IDM in Bacterial Leaf Blight in rice • Assessment of different ripening methods for Banana variety Grand Naine • Demonstration cum training on plant growth regulators for crop regulation in Mango • Demonstration on Management of Stem Borer in Rice • Demonstration of trellis system in Tomato • Training on Value added product of Banana • Training on Soil management in irrigated Paddy • Training on Weed management in upland Rice • Assessment on cotton oil cake as feed supplement to increase milk production in CB cows • Training programme on pest & disease management in rice • Conducting animal health camp & soil health camp
Badachergaon	Golamunda	• Assessment of Eco-friendly management of pod borer complex in pigeonpea • Performance evaluation of low in put dual type chicken breeds in semi-intensive rearing system • Demonstration on calcium supplementation on local goat for better performance • Demonstration on use of suitable herbicide in black gram • Demonstration of Polyherbal Mixture Supplementation on Milk Production in Postpartum Kalahandi Buffaloes • Demonstration on superior egg laying duck breed • Training on Feeding management of Kalahandi buffalo for sustainable milk production • live stock management (Cow, goat & poultry) • On farm testing on cotton oil cake as feed supplement to increase milk production in CB cows • On farm testing on different type of dual purpose bird in back yard • Demonstration on AI on sex sorted semen • Conducting animal health camp & soil health camp • Training programme on pest & disease management in pulses
Dhaner	Junagarh	• Assessment of IDM in Bacterial Leaf Blight in rice • Assessment of different ripening methods for Banana variety Grand Naine • Demonstration cum training on plant growth regulators for crop regulation in Mango • Demonstration on Management of Stem Borer in Rice • Demonstration of trellis system in Tomato • Training on Value added product of Banana

		• Training on Soil management in irrigated Paddy • Training on Weed management in upland Rice • Assessment on cotton oil cake as feed supplement to increase milk production in CB cows • Training programme on pest & disease management in rice • Conducting animal health camp & soil health camp

2.1 Priority thrust areas

S. No	Thrust area
1.	Crop diversification to non paddy.
2.	High menace of sporadic pest and disease.
3.	Lack of suitable variety for proper land situation.
4.	Short window for agricultural operation
5.	Non availability of quality cotton seed.
6.	High sucking pest problem in cotton.
7.	Non availability of suitable variety for Rabi and Summer greengram.
8.	Non availability of cold storage facility.
9.	Breed up gradation in large ruminants.
10.	Non availability of seasonal and perennial fodder crops.
11.	Non availability of sufficient milk society and chilling plant.
12.	Lack of knowledge and awareness on silage and hay making technology.
13.	Scarcity of labour during peak cultivation period

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
09	08	63	13	08	11	07	12	12	36	27	63	18	18	234	38	33	36	42	37	48	111	123	234

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
79	79	79	129	320	104	234	383	803	623	1377	1950	686	686	686	--	--	--	--	--	--	1876	994	2770
15	15	15	31	28	36	32	48	47	115	110	225												
18	18	18	18	4	36	25	90	7	144	36	180												

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
300	300	1	1.1

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
-	-	100	120

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No.	No. of Research	Highest	Average	Details of	Details of

		circulated	papers in NAAS rated Journals	NAAS rating of any publication	NAAS rating of the publications	awarded publication, if any	Award given to the publication
Research paper							
Seminar/conference/ symposia papers							
Books	--						
Bulletins	02	--					
News letter	01	--					
Popular Articles	03	--					
Book Chapter							
Extension Pamphlets/ literature	02	--					
Technical reports	03	30					
Electronic Publication (CD/DVD etc)							
TOTAL	11	30					

1 Achievements on technologies assessed and refined

OFT-1

Achievements on technologies assessed and refined
OFT-1

1.	Title of On Farm Trial	Assessment of foliar application of soluble fertilizers in Greengram
2.	Problem diagnosed	Low yield due to limited use of fertilizer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: DAP@20 Kg/ha TO1: Foliar application of 2% urea at flower initiation stage and 15 days after 1st spray along with RDF TO2: Foliar application of 2% 19:19:19(N:P:K) at flower initiation stage and 15 days after 1st spray along with RDF. TO3: Foliar application of 2% urea at flower initiation stage and 2% 19:19:19(N:P:K)15 days after 1st spray along with RDF.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP, MULLaRP , 2018-19
5.	Production system and thematic area	Paddy-Greengram Nutrient management

6.	Performance of the Technology with performance indicators	No. of pods/plant, No. of seeds/ pods, Yield(q/ha)
7.	Final recommendation for micro level situation	Spraying of NPK 19:19:19 twice increasing the no of pod/plant and yield upto 32%
8.	Constraints identified and feedback for research	In the era of erratic and scanty rainfall and short agriculture window research on foliar application on pulses (long duration crop) to be carried out.
9.	Process of farmers participation and their reaction	Foliar application of NPK at flower initiation stage help the crop for better pod setting hence contribute to yield enhancement

Thematic area: Nutrient management

Problem definition: Low yield due to limited use of fertilizer

Technology assessed: TO1: Foliar application of 2% urea at flower initiation stage and 15 days after 1st spray along with RDF

TO2: Foliar application of 2% 19:19:19(N:P:K) at flower initiation stage and 15 days after 1st spray along with RDF.

TO3: Foliar application of 2% urea at flower initiation stage and 2% 19:19:19(N:P:K)15 days after 1st spray along with RDF.

Table

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of pods/plant	No. of seeds/ pods	Test wt. (100 grain wt.)						
FP	7	11.57	4.43			6.22	27710	49760	22050	2.03
TO1	7	14.86	5.86			7.17	29260	57360	28100	2.27
TO2	7	19.43	10.14			8.26	32880	66080	33200	2.35
TO3	7	16.57	7.43			7.59	31620	60720	29100	2.21

OFT-2

1.	Title of On Farm Trial	Assessment of combine insecticides for management of major insect pest of rice
2.	Problem diagnosed	Low yield of rice due to heavy infestation of rice pest like rice stem borer, gall midge, leaf folder and BPH
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Application of Cartaphydrochloride 2gm/lit, Buprofenzin 1.5ml/lit Thiomethoxam @1gm/lit TO1: Application of Flubendiamide 240 SC + Thiacloprid 240 SC (Belt Expert) @ 300 ml/ha twice i.e. at Tillering & P.I. stage for management of rice stem borer, gall midge, leaf-folder and BPH (Source: OUAT annual report, 2017) TO2: Application of Ethiprole 40% + Imidacloprid 40% (Glamore) @ 125 g/ha twice i.e. at Tillering & P.I. stage for management of rice stem borer, gall midge, leaf-folder and BPH(Source: Annual report, OUAT, 2015-16)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO1: (Source: OUAT annual report, 2017) TO2: (Source: Annual report, OUAT, 2015-16)
5.	Production system and thematic area	Paddy-Paddy Pest management
6.	Performance of the Technology with performance indicators	Yield(q/ha), No. of tiller/Hill, Disease/ insect pest incidence (%)
7.	Final recommendation for micro level situation	Application of combine pesticide in proper time with proper dose is cost effective and successfully manage the important pest in rice and gives 10% higher yield..
8.	Constraints identified and feedback for research	Research on IPM of other important crop of the district should be undertaken
9.	Process of farmers participation and their reaction	Application of Flubendiamide + Thiacloprid increases the no of tiller per hill and the combined pesticide controls the pest and save the crop from damage.

Thematic area: Pest management

Problem definition: Low yield of rice due to heavy infestation of rice pest like rice stem borer, gall midge, leaf folder and BPH

Technology assessed: TO1: Application of Flubendiamide 240 SC + Thiacloprid 240 SC (Belt Expert) @ 300 ml/ha twice i.e. at Tillering & P.I. stage for management of rice stem borer, gall midge, leaf-folder and BPH

TO2: Application of Ethiprole 40% + Imidacloprid 40% (Glamore) @ 125 g/ha twice i.e. at Tillering & P.I. stage for management of rice stem borer, gall midge, leaf-folder and BPH

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of tiller/Hill	Disease/ insect pest incidence (%)	Test wt. (100 grain wt.)						
FP	7	12	15		15	35	35000	65275	30275	1.8
TO1	7	21	3		3	43	36000	80195	44195	2.2
TO2	7	18	5		5	39.5	36000	73667	37667	2.04

OFT-3

1.	Title of On Farm Trial	Assessment of IDM in Bacterial Leaf Blight in rice
2.	Problem diagnosed	Low yield due to indiscriminate use of chemicals with improper dose
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Farmers are only applying Carbendazim with low dose 0.1% TO1: Seed treatment with bleaching powder @ 10g/l/ kg seed + Zinc sulfate @ 2%, spraying of Streptocycline @ 300 ppm + COC @ 0.3% during disease appearance TO2: Seed treatment with Pseudomonas fluorescens @10g/kg of seed, spraying of Streptocycline @ 300 ppm + COC @ 0.3% during disease appearance
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO1: Source: TNAU Agr i portal 2015 TO2: Source: Annual report, OUAT, 2015-16
5.	Production system and thematic area	Paddy-Paddy IDM
6.	Performance of the Technology with performance indicators	Yield(q/ha), % Disease incidence
7.	Final recommendation for micro level situation	Use of seed treatment methods and spraying of fungicides during disease development has resulted in more than 20% increase in yield
8.	Constraints identified and feedback for research	--
9.	Process of farmers participation and their reaction	Optimum care since seed treatment and spray of chemical at proper time and recommended dose save the crop from BLB

Thematic area: IDM

Problem definition: Low yield due to indiscriminate use of chemicals with improper dose

Technology assessed:

TO1: Seed treatment with bleaching powder @ 10g/l/ kg seed + Zinc sulfate @ 2%, spraying of Streptocycline @ 300 ppm + COC @ 0.3% during disease appearance

TO2: Seed treatment with Pseudomonas fluorescens @10g/kg of seed, spraying of Streptocycline @ 300 ppm + COC @ 0.3% during disease appearance

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of tiller/Hill	Disease incidence (%)	Test wt. (100 grain wt.)						
FP	7		15.4		15.4	34.7	32859	65062	32203	1.9
TO1	7		1.71		1.71	42.8	34590	80250	45660	2.32
TO2	7		1.14		1.14	43.9	35062	82312	47250	2.35

OFT-4

1.	Title of On Farm Trial	Assessment of Effect on foliar application of micronutrient on growth and yield of Bittergourd
2.	Problem diagnosed	No use of micronutrients
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP- Only use of NPK, no use of Secondary Nutrients & Micro nutrients To1 Foliar application of mixture of micronutrients involving Zn, Mo, Cu, Fe and Mn (50 ppm of Mo and 100 ppm each of rest 4 micronutrients). To2 Combined application of micronutrients B and Zn @ 100 ppm each.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	To1- OUAT, Annual Report, 2014-15, To2- IIVR, Annual Report, 2017-18
5.	Production system and thematic area	Bittergourd , Production management
6.	Performance of the Technology with performance indicators	Yield(q/ha), Fruit yield/ Plant(Kg)
7.	Final recommendation for micro level situation	Combined application of micronutrients B and Zn @ 100 ppm each
8.	Constraints identified and feedback for research	Research on micronutrients for other horticulture crop to be taken up
9.	Process of farmers participation and their reaction	Combined application of micronutrients B and Zn @ 100 ppm gives 65% higher yield

Thematic area: Production management
Problem definition: Low yield due to no use of secondary nutrients and micro nutrients

Technology assessed:
To1 Foliar application of mixture of micronutrients involving Zn, Mo, Cu, Fe and Mn (50 ppm of Mo and 100 ppm each of rest 4 micronutrients).
To2 Combined application of micronutrients B and Zn @ 100 ppm each.

Technology option	No. of trials	Yield component			Fruit wt	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of tiller/Hill	Disease incidence (%)	Test wt. (100 grain wt.)						
FP	7				58.2	82.7	76500	168000	91500	2.2
TO1	7				89.4	108.9	101000	277500	176500	2.5
TO2	7				92.3	112.6	98000	246000	148000	2.6

OFT-5

1.	Title of On Farm Trial	Assessment of Varietal evaluation of Kharif onion
2.	Problem diagnosed	Limited area under kharif onion and less return from rabi onion
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Cultivation of of onion var. Agifound light Red TO1: Cultivation of onion var. Bhima Super Bulb attain maturity with in 100-105 DAT TO2: Cultivation of onion var. L-883 It is attractive dark red flat globe bulbs. it attains maturity with in 95-100DAT
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO1:Source:DOGR, 2009 TO2: Source: NHRDF, 2015
5.	Production system and thematic area	Onion-Onion , Varietal evaluation
6.	Performance of the Technology with performance indicators	Yield(q/ha), Avg. bulb wt (gm)
7.	Final recommendation for micro level situation	Kharif onion should be promoted with suitable varieties as it fetches good price and farmers gets higher return in compared to rabi onion
8.	Constraints identified and feedback for research	Varietal research of short duration onion variety suitable for Kharif season should be experimented
9.	Process of farmers participation and their reaction	Onion var. L-883 is bright red and bulb weight attracts consumer demand besides it gives a higher yield over other dominant varieties.

Thematic area:
Problem definition: Alternate bearing in mango orchard
Technology assessed:
TO1: Cultivation of onion var. Bhima Super Bulb attain maturity with in 100-105 DAT
TO2: Cultivation of onion var. L-883It is attractive dark red flat globe bulbs. it attains maturity with in 95-100DAT

Technology option	No. of trials	Yield component			Avg. bulb wt (gm)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of tiller/Hill	Disease incidence (%)	Test wt. (100 grain wt.)						
FP	7				50.59	142.5	192000	498000	306000	2.3
TO1	7				54.12	158.1	205500	571250	365750	2.4
TO2	7				62.18	172.4	210200	605000	394800	2.6

OFT-6

1.	Title of On Farm Trial	Assessment of planting time for better market price of Cauliflower
2.	Problem diagnosed	Less monetary return to the farmers at the peak time of harvesting despite of higher production
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Farmers generally plant the seedlings at 2nd fortnight of October (Hybrid Girija) TO1: Advancing of planting time by 30 days (2nd Fortnight of September) (Hybrid Sighra) TO2: Delaying of planting time by 30 days (2nd Fortnight of November) (Hybrid Suhasini)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	--
5.	Production system and thematic area	Vegetable-vegetables , Off-season farming
6.	Performance of the Technology with performance indicators	Yield(q/ha), Avg. curd wt (gm), Selling price of farmer (Rs per kg) , Market price (Rs/kg)
7.	Final recommendation for micro level situation	Advanced or delay planting or cultivation helps the farmer getting higher yield form the same patch of land.
8.	Constraints identified and feedback for research	Heavy rainfall and pest incidence sometimes hamper the crop growth.
9.	Process of farmers participation and their reaction	Advanced or delay planting helps the farmer getting higher return but optimum care should be taken on plant population, seedling mortality and pest incidence.

Thematic area: Off-season farming

Problem definition: Less monetary return to the farmers at the peak time of harvesting despite of higher production

Technology assessed:

TO1: Advancing of planting time by 30 days (2nd Fortnight of September) (Hybrid Sighra)

TO2: Delaying of planting time by 30 days (2nd Fortnight of November) (Hybrid Suhasini)

Technology option	No. of trials	Yield component			Selling price of farmer (Rs per kg)	Market price (Rs/kg)	Avg. bulb wt (gm)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of tiller/Hill	Disease incidence (%)	Test wt. (100 grain wt.)								
FP	7				15	25	860	242	100833	242000	141167	2.4
TO1	7				55	80	352	100	171875	550000	378125	3.2
TO2	7				22	40	620	172	135142	378400	243257	2.8

OFT-7

1.	Title of On Farm Trial	Performance evaluation of low input dual type chicken breeds in semi-intensive rearing system
2.	Problem diagnosed	Low body weight gain (675 g/20 wk) and high feed conversion ratio (3.5)in backyard poultry
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1- Rearing of *Chhabro* breed (21 days old) with feeding @ 70 g/bird/day supported by scavenging feeding. TO2- Rearing of *Kaveri* breed (21 days old) with feeding @ 70 g/bird/day supported by scavenging feeding .
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CIFA, Annual report, 2015-16
5.	Production system and thematic area	Poultry management
6.	Performance of the Technology with performance indicators	Cumulative BW gain at 20 wk (kg) FP-675±1.24[a] T1-1050±1.72[b] T2-970±1.53[c] Feed Conversation ratio (FCR): FP-3.57 T1-2.7 T2-2.96 B:C FP- 1.81 T1- 2.02 T2-1.9
7.	Final recommendation for micro level situation	Chhabro breed of poultry can be reared in back yard for better income generation
8.	Constraints identified and feedback for research	Lack of availability of Chhabro breed of poultry at farmers field
9.	Process of farmers participation and their reaction	There is significant increase in body weight gain in Chhabro and Kaveri breed of poultry in comparison to local fowl in semi intensive rearing system

Thematic area: Poultry management

Problem definition: Low body weight gain (675 g/20 wk) and high feed conversion ratio (3.5) in backyard poultry

Technology assessed: TO1- Rearing of *Chhabro* breed (21 days old) with feeding @ 70 g/bird/day supported by scavenging feeding.

TO2- Rearing of *Kaveri* breed (21 days old) with feeding @ 70 g/bird/day supported by scavenging feedingTable:

OFT	**No. of trials**	**Cumulative BW gain at 20 wk (kg)**	**FCR**	**Incidence of infection**	**Annual Gross Return (Rs.)/10 birds**	**Annual Net return (Rs.) /10 birds**	**BC ratio**
FP	7	675±1.24[a]	3.25±0.65[a]	5	4130	1850	1.81
T1	7	1050±1.72[b]	2.7±1.29[b]	2	6800	3450	2.02
T2	7	970±1.53[c]	2.95±0.89[c]	2	6300	2985	1.9

OFT-8

1.	Title of On Farm Trial	Assessment of farm made feed formulation for cost effective milk production in cows
2.	Problem diagnosed	High feed cost results in low profit in dairy farming
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1- Feeding of dairy cow with low cost farm made feed @ 3 kg/day (Maize -40%, Oil cake -25%, Rice bran- 20%, chuni-10%, Mineral mix Salt-5% for six months with straw feeding (10 kg) TO2- Feeding of dairy cow with low cost farm made feed @ 3 kg/day (Maize -30%, Soybean meal-10%, Broken rice-10%, Oil cake -25%, Rice bran- 10 %, chuni-10%, Mineral mix Salt-5% for six months with straw feeding (10 kg)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Annual report, OUAT (2017-18)
5.	Production system and thematic area	Feeding Management
6.	Performance of the Technology with performance indicators	Mean Milk Production (L/day) FP-5.26±1.98[a] T1-6.16±0.68[b] T2-5.89±1.46[b] SNF% : FP-3.57 T1-2.7 T2-2.96 B:C FP- 1.67 T1- 2.12 T2-1.92
7.	Final recommendation for micro level situation	Feeding of dairy cow with low cost farm made feed @ 3 kg/day (Maize -40%, Oil cake -25%, Rice bran- 20%, chuni-10%, Mineral mix Salt-5% for six months with straw feeding (10 kg) can be practiced to reduce the feeding cost in dairy farming
8.	Constraints identified and feedback for research	Mixing and grinding of the different ingredients is difficult at farmers level
9.	Process of farmers participation and their reaction	There is around 17% of saving of feed cost in farm made feed formulation in comparison to commercial feed

Thematic area: Feeding Management

Problem definition: High feed cost results in low profit in dairy farming

Technology assessed:

TO1- Feeding of dairy cow with low cost farm made feed @ 3 kg/day (Maize -40%, Oil cake -25%, Rice bran- 20%, chuni- 10%, Mineral mix Salt-5% for six months with straw feeding (10 kg)

TO2- Feeding of dairy cow with low cost farm made feed @ 3 kg/day (Maize -30%, Soybean meal-10%, Broken rice-10%, Oil cake -25%, Rice bran- 10 %, chuni-10%, Mineral mix Salt-5% for six months with straw feeding (10 kg)

OFT	**No. of trials**	**Mean Milk Production (L/day)**	**Mean Body Condition Score (BCS**	**Mean SNF%**	**Gross Return /Cow/6 month**	**Net return/Cow/ 6 month**	**B:C**
FP	7	5.26±1.98[a]	3.0	7.56	28500	11500	1.67
T1		6.16±0.68[b]	4.5	8.45	38500	20400	2.12
T2		5.89±1.46[b]	4.0	7.95	36400	17500	1.92

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

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.	Groundnut	Weed management	Pre emergence application of Oxyflourfen @ 0.04 kg ai/ha followed by post emergence spray of imazethapyr @ 0.12kg ai/ha at 20 DAS	2	2	2	0	0	0	11	0	13	0	13	
2.	Rice	Varietal demonstration	BPH tolerant rice variety *Hasanta* in shallow low land situation (Dur.- 145 days, non-lodging type, mod. Resistant to BPH	5	5	3	0	1	0	9	0	13	0	13	
3.	Ragi	Varietal demonstration	Ragi variety Arjun Arjun (OEB-526) (Maturity duration 110 days and average yield 20.7 q/ha. with moderate resistance to leaf, neck and finger blast and brown colour seed.)	5	5	2	0	1	0	10	0	13	0	13	
4.	Cotton	Planting system	High density planting system of Cotton in rainfed upland Planting Cotton with spacing 60x10cm with RDF (N:P:K)@90:45:45kg/ha	5	5	2	0	1	0	10	0	13	0	13	
5	Blackgram	Weed management	Demonstration of use of suitable herbicide in black gram Pre-emergence application of pendimethalin @ 1.0 kg a.i./ha and Post-emergence application of Imazythapyr @ 750ml/ha	5	5	4	0	0	0	9	0	13	0	13	
6	rice	IPM	Demonstration on Management of stem borer in rice Release *Trichogramma chilonis* @ 20,000/acre thrice at 7 days interval . First release will be done at 30 DAT. One spray of Rynaxypyr 150 ml/ha and one spray of spinetoram 6%+methoxyfenozide 30% SC @ 400 ml/ha alternately at 15 days and 45 DAT	2	2	2	0	3	0	8	0	13	0	13	

7	Cotton	IPM	Demonstration on Demonstration on Management of Sucking pest in Cotton Planting of maize as border crop around the field, intercropping of cowpea @ 8:2 ratio. Application of Azadirachtin 0.15%@ 1.5 Lit./ ha twice @ 30 & 45 DAS Application of Flonicamid 50% WG @ 175 gm/ha twice at 10 days interval	2	2	4	0	6	0	3	0	13	0	13	
	Maize	IPM	Demonstration on Management of Fall Army Worm in maize Application of 5% NSKE/ Azadirachtin 1500 PPM @ 5ml/l of water duringegglaying stage to avoid egghatching. *Application of Metarhiziumanisopliae* @ 5gm/l of water at 15-25 days after sowing Application of Emamectin benzoate @ 0.4 gm/l of water to manage the 2nd& 3rd instars larvae	2	2	2	0	3	0	8	0	13	0	13	
	Onion	Weed management	Demonstration on application of herbicide for weed management in onion Pre -emergence application of pendimethalin 750 g/ha followed by application of Quizalophop-p-ethyl 50 g/ha at 20 DAS	0.52	0.52	3	0	3	0	7	0	13	0	13	
	Brinjal	Varietal demonstration	Demonstration of high yielding Brinjal Cultivation of Brinjal var. Swarna Ajay Fruits are oblong, medium length (10-12 cm) and attractive light purple colour, resistant to phomopsis blight and bacterial wilt	0.52	0.52	2	0	2	0	9	0	13	0	13	
	Farm machinery	Farm machinery	Demonstration of ragi thresher cum pearler Power operated OUAT Ragi thresher cum pearler, Operate in1.0 hp electricity	--	--	2	0	3	0	8	0	13	0	13	

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					
Groundnut	Rabi	Irrigated	Red soil				Rice	2nd week of December	1st week of March	9.2	2
Rice	Kharif	Rainfed	Clay loom	204	48	424	Greeng	3rd week of	1st week of	744.6	60

							ram	July	December		
Ragi	Kharif	Rainfed	Red soil	196.5	78.65	109.6	Fallow	1st week of July	2nd week of November	1048	71
Cotton	Kharif	Rainfed	Black soil	197.5	48.58	133.0	Cotton	2nd week of june	2nd week of December	1048	71
Blackgram	Kharif	Rainfed	Red and yellow soil	172	42	200	Black gram	1st week of september	1st week of December	890.5	52
Rice	Summer	Irrigated	Clay loom	202	87	220	Rice	2nd week of February	continuing	9.2	2
Cotton	Kharif	Rainfed	Black soil	197.5	48.58	133.0	Cotton	2nd week of june	2nd week of December	1048	71
Maize	Kharif	Rainfed	Sandy loom	169	47	210	Fallow	4th week of June	1st week of November	1048	71
Onion	Rabi	Irrigated	Sandy loam to black soil	404.84	29	367	Paddy	2nd week of December	1st week of March	9.2	2

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

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

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

Pulses

Frontline demonstration on pulse crops

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

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

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Rice	Varietal demonstration	BPH tolerant rice variety *Hasanta* in shallow low land situation	13	5	46.38	39.78		No of BPH/Hill-5.23	No of BPH/Hill 12.69	39649	88122	48473	2.22	41409	75582	34173	1.82
Ragi	Varietal demonstration	Ragi variety Arjun Arjun (OEB-526)		5	17.23	12.31		No. of fingers/ear 5.38	No. of fingers/ear 7.96	23100	51695	28595	2.23	20835	37975	17140	1.82
Cotton		High density planting system of Cotton in rainfed upland		5	18.15	12.85		No of bolls/m^2 36.92	No of bolls/m^2 134.23	44546	108900	64354	2.44	46179	77100	30921	1.66
rice	IPM	Demonstration on Management of stem borer in rice		5	39.8	32.3	23.2	% of infestation 23.2	% of infestation 4.70	32000	71640	39640	2.23	28000	58140	30140	2.07
Cotton	IPM	Demonstration on Demonstration on Management of Sucking pest in Cotton		5	23.9	19.0	25.7	Greenleaf hopper adults per leaf 3.81	Greenleaf hopper adults per leaf 2.21	55450	131450	76000	2.37	50300	104500	54200	2.07

Maize	IPM	Demonstration on Management of Fall Army Worm in maize		5	35.6	26.8	32.8	Infestation % 28.2	Infestation % 4.0	30000	71200	41200	2.37	28000	53600	25600	1.91
Onion	Weed management	Demonstration on application of herbicide for weed management in onion		0.52	282.0	232.5	27.82	Bulb Wt. (g) 74	Bulb Wt. (g) 59	80000	253800	173800	3.17	72000	209250	137250	2.8
Brinjal	Varietal demonstration	Demonstration of high yielding Brinjal var. Swarna Ajay		0.52	312	260	18.1	**Fruit Wt. (g)** 135	**Fruit Wt. (g)** 220	98200	249600	151100	2.54	88000	208000	120000	2.36
	Total																

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow	Feeding management	. Demonstration of Cotton Oil Cakes as Feed Supplement in Cross bred Cow			6.55±1.28[b] Mean Milk Production (L/day)	5.11±1.25[a] Mean Milk Production (L/day)	4.5 in Demonstration where as check is 3.0 (Mean Body Condition Score (BCS)	7.43 (Mean SNF%)	8.32 Mean SNF%)	21600	37800	16200	1.75	17200	27600	10400	1.55

Cow	Feeding management	. Demonstration of Cotton Oil Cakes as Feed Supplement in Cross bred Cow			6.55±1.28[b] Mean Milk Production (L/day)	5.11±1.25[a] Mean Milk Production (L/day)	4.5 in Demonstration where as check is 3.0 (Mean Body Condition Score (BCS)	7.43 (Mean SNF%)	8.32 Mean SNF%)	21600	37800	16200	1.75	17200	27600	10400	1.55
Buffalo																	
Poultry	Poultry Management	Demonstration on portable brooder (artificial heat source) to control early mortality in poultry chick	13	130	2.1±0.76[b] (Chick mortality %)	10.93±1.29[a] (Chick mortality %)	980±1.72[b] In Demonstration where as check is 655±1.24[a] (Cumulative BW gain at 20 wk (kg)	2.7 (FCR)	3.6 (FCR)	3250	7100	3850	2.18	2840	4825	1985	1.69
Rabbitry																	
Pigerry																	
Sheep and goat	Feeding management	Demonstration on dietary supplementation of probiotics on juvenile growth of goat			**58±1.45[b] (Avg. Body weight gain (g/day)**	**46±0.37[a] (Avg. Body weight gain (g/day)**	26% change in body weight gain	**11±2.59[b]** (Infection rate)	**23±1.56[a]** (Infection rate)	1350	4200	2850	3.11	1350	3400	2050	2.51
Duckery																	
Others (pl.specify)																	
Total																	

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Fisheries

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

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

Other enterprises

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

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

Women empowerment

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

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	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										
Green gram										
Black gram										
Bengal gram										
Red gram										
Others (Pl. specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										

Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1.	Groundnut	Application of pre and post emergence weedicide (Oxyflourfen @ 0.04 kg ai/ha followed by post emergence spray of imazethapyr @ 0.12kg ai/ha at 20 DAS) gives a higher yield of 20% .
2.	Rice	Rice variety Hasanta is tolerant to BPH and infestation rate is 50% lesser as compared to other varieties cultivated in farmers field.
3.	Ragi	Ragi variety Arjun gives a yield of 14q/ha and no of finger/ear is 43% higher than the local ragi.
4.	Cotton	Planting Cotton with close spacing 60x10cm offer a higher no of plant population and produce approximately 134.23 No of bolls/m2
5.	Maize	Recommended Management of Fall Army Worm in maize reduces the infestation upto 80% hence produce a yield of 35.6q/ha
6.	Onion	Herbicide management in onion(Pre -emergence application of pendimethalin 750 g/ha followed by application of Quizalophop-p-ethyl 50 g/ha at 20 DAS) controls the weed infestation and gives a higher yield of 27% over conventional practices.
7.	Brinjal	High yielding Brinjal var. Swarna Ajay which is resistant to phomopsis blight and bacterial wilt produce a higher yield of 312q/ha and the fruit weight is 220gm which is 62% more in weight than local cultivated brinjal.
8.	Farm machinery	Ragi thresher cum pearler outpur/hr is 72kg where in traditional threshing the output is 6.8kg/hr. The machine reduces the mandays and the cost of threshing reduces to Rs.700/- per day

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	-	04	120	Varietal demonstration on Ragi var.Arjun Demonstration on Demonstration on Management of Sucking pest in Cotton Demonstration on portable brooder (artificial heat source) to control early mortality in poultry chick Demonstration on Ragi thresher cum pearler
2.	Farmers Training	--	12	300	Weed management in groundnut Nursery management in Rice Nursery management in ragi Nutrient management in High Density Planting System of Cotton in Rainfed upland Integrated fall army worm management in kharif maize Integrated BLB disease management in paddy Wilting management in brinjal and tomato Feeding and nutrient management of dairy cows . Nutrient management and herbal supplementation of Kalahandi buffalo for sustainable milk production Management of duck and layer bird at back yard for egg laying
3.	Media coverage	--	--	--	

4.	Training for extension functionaries	--	04	40	Application of safe use of pesticide Use of Nuteint management in cereals Use of farm machinery for better working efficiency Vaccination schedule for small ruminants

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

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No	Technologies	Farmers' Perception parameters					
		Suitabilit	Likings	Affordabilit	Any	Is	Suggestions, for

.	demonstrated (with name)	y to their farming system	(Preference)	y	negative effect	Technology acceptable to all in the group/village	change/improvement, if any

E. Specific Characteristics of Technology and Performance

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

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended

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

H. Farmers' training photographs

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

J. Details of budget utilization

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

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

A) Farmers and farm women (on campus)

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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
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													

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
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total													

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													

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													
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													

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	06	32	78	110	9	21	30	0	10	10	41	109	150
Resource Conservation Technologies													
Cropping Systems	02	5	35	40	0	8	8	0	2	2	5	45	50
Crop Diversification	01	3	10	13	2	5	7	1	4	5	6	19	25
Integrated Farming	01	6	11	17	2	2	4	0	4	4	8	17	25
Micro irrigation/irrigation													
Seed production													
Nursery management	02	2	25	27	0	15	15	1	7	8	3	47	50
Integrated Crop Management	03	8	26	34	3	26	29	8	4	12	19	56	75
Soil & water conservation													
Integrated nutrient Management	05	20	51	71	9	9	18	9	27	36	38	87	125
Production of organic inputs	01	4	15	19	0	6	6	0	0	0	4	21	25
Others (Inter Cropping)	02	7	15	22	1	8	9	3	16	19	11	39	50
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops	02	10	17	27	1	12	13	6	4	10	17	33	50
Off0season vegetables													
Nursery raising	02	5	35	40	0	8	8	0	2	2	5	45	50
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation	02	7	5	12	4	15	19	5	13	19	17	33	50
Others(Production Techniques/ Practice)	02	5	35	40	0	8	8	0	2	2	5	45	50
Others (Nutrient Management)	02	8	15	23	3	5	8	2	17	29	13	37	50
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	01	2	23	25	0	0	0	0	0	0	2	23	
Management of young plants/orchards												25	
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques	01	02	18	20	0	0	0	0	5	5	2	23	25
Others (Nutrient Manmagement)	02	12	28	40	2	7	9	0	1	1	14	36	50
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management	04	13	37	50	16	24	40	2	8	10	31	69	100
Poultry Management	05	30	44	74	20	21	41	2	8	10	52	73	125
Piggery Management													
Rabbit Management													
Animal Nutrition Management	04	11	43	54	15	21	36	2	8	10	28	72	100
Disease Management	02	8	15	23	3	5	8	2	17	29	13	37	50
Feed & fodder technologies	03	10	25	35	15	15	30	2	8	10	27	48	75
Production of quality animal products													
Others(Artificial insemination in Goat)	02	12	28	40	2	7	9	0	1	1	14	36	50
Others (Value Addition)	01	02	18	20	0	0	0	0	5	5	2	23	25
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance	01	2	8	10	0	10	10	2	3	5	4	21	25
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements	01	0	7	7	0	8	8	0	10	10	0	25	25
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition	02	7	5	12	4	15	19	5	13	19	17	33	50
Post Harvest Technology													
Others (Rain water harvesting Structure)	01	0	10	10	0	0	0	15	0	10	10	15	25
Others (Integrated farming Approach)	01	3	5	8	3	7	10	2	5	7	8	17	25
Others (Importance of Crop Diversification)	01	02	18	20	0	0	0	0	5	5	2	23	25
Total													
VII. Plant Protection													
Integrated Pest Management	07	65	68	133	7	9	16	13	13	26	85	90	175
Integrated Disease Management	05	59	30	89	6	23	29	5	2	7	70	55	125
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides	01	1	0	1	0	0	0	14	10	24	25	0	25
Others(Bee Box Maintiance)	01	20	0	20	2	0	2	3	0	3	25	0	25
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others													
Total													
XII. Others (Pl. Specify)													
GRAND 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
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Bio-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													

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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
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													

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													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total													

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
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)													

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
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
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													

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
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Leadership development													
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													

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													
Off-season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
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													

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
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
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													

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
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													

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	01	3	5	8	2	5	7	0	0	0	5	10	15
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming	01	5	0	5	0	0	0	10	0	10	15	0	15
Seed production	01	2	0	2	5	0	5	8	0	8	15	0	15
Production of organic inputs													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Planting material production													
Vermiculture	01	0	9	9	1	2	3	0	3	3	1	14	15
Mushroom Production	01	0	5	5	0	0	0	0	10	10	0	15	15
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements	01	3	2	5	1	2	3	0	7	7	4	11	15
Value addition	03	17	18	35	0	7	7	3	0	3	20	25	45
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying	02	7	2	9	6	0	6	5	10	15	18	12	30
Sheep and goat rearing	01	3	2	5	4	6	10	0	0	0	7	8	15
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 (Paddy based faring system)	01	0	0	0	5	0	5	10	0	10	15	0	15
Others (Safe Use of PP Chemicals & small spray equipment)	01	5	2	7	3	0	3	0	2	2	8	7	15
Others (Nutri garden for food security)	01	3	2	5	4	6	10	0	0	0	7	8	15
Total													

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	01	3	0	3	2	0	3	5	0	5	10	0	10

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Nutrient management	02	17	0	17	0	0	0	3	0	3	20	0	20
Rejuvenation of old orchards													
Protected cultivation technology	02	7	0	7	1	2	3	4	6	10	12	8	20
Production and use of organic inputs													
Care and maintenance of farm machinery and implements	01	7	0	7	2	0	2	1	0	1	10	0	10
Gender mainstreaming through SHGs	01	0	3	3	0	0	0	0	7	7	0	10	10
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization	02	5	2	7	3	0	3	4	6	10	12	8	20
Information networking among farmers	01	6	0	6	0	0	0	4	0	4	10	0	10
Capacity building for ICT application	01	7	0	7	2	0	2	1	0	1	10	0	10
Management in farm animals	02	7	0	7	1	2	3	4	6	10	12	8	20
Livestock feed and fodder production	02	17	0	17	0	0	0	3	0	3	20	0	20
Household food security													
Other(Field School on FFS)	01	2	2	4	4	0	4	2	0	2	8	2	10
Other (Different ripening method of Bana)	01	7	0	7	0	0	0	3	0	3	10	0	10
Other (Method of soil sample collection)	01	5	0	5	3	0	3	2	0	2	10	0	10
Total													

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	Nursery management in Rice	01	Off Campus	10	15	25	0	0	0
Agronomy	F/FW	Preparation of waste decomposer and it's use.	01	Off Campus	25	0	25	4	0	4
Agronomy	F/FW	Nursery management in ragi	01	Off Campus	10	15	25	0	0	0
Agronomy	F/FW	Weed Management in Blackgram in rainfed upland.								
Agronomy	F/FW	Weed Management in Rice-Chickpea cropping system	01	Off Campus	10	15	25	0	0	0
Agronomy	F/FW	Weed management in DSR	01	Off Campus	25	0	25	4	0	4
Agronomy	F/FW	Rice based IFS.	01	Off Campus	10	15	25	0	0	0
Agronomy	F/FW	Seed production of Arhar	01	Off Campus	25	0	25	4	0	4
Agronomy	F/FW	Crop diversification to sweetcorn in Rice-Fallow medium lands.								
Agronomy	F/FW	Maize-cowpea Intercropping in rainfed upland	01	Off campus	8	17	25	0	0	0
Agronomy	F/FW	Cultivation of legumes as fodder crop.	01	Off Campus	10	15	25	0	0	0
Agronomy	F/FW	Scientific crop management of sweet corn hybrids in rainfed upland	01	Off Campus	25	0	25	4	0	4

Agronomy	F/FW	Nutrient management in Rabi Greengram	01	Off campus	8	17	25	0	0	0
Agronomy	F/FW	Organic mulching in maize	01	Off Campus	10	15	25	0	0	0
Agronomy	F/FW	Nutrient management in High Density Planting System of Cotton in Rainfed upland	01	Off Campus	25	0	25	4	0	4
Agronomy	F/FW	Arhar-ragi Intercropping in rainfed upland	01	Off campus	8	17	25	0	0	0
Agronomy	F/FW	Crop residue management in Paddy-Maize cropping system	01	Off Campus	10	15	25	0	0	0
Agronomy	F/FW	F & FW training on Integrated management of mite in rabi chilli	01	Off campus	4	21	25	1	7	8
Agronomy	F/FW	F & FW training on Integrated fruit fly management in Bittergourd	01	Off campus	8	17	25	0	0	0
Agronomy	F/FW	F & FW training on Integrated Bacterial Wilt management in Greengram	01	Off Campus	10	15	25	0	0	0
Agronomy	F/FW	F & Fw training on Bee box Maintenance in Summer & Winter season	01	Off Campus	25	0	25	4	0	4
Agronomy	F/FW	F & FW training on Integrated Stem Borer management in rabi Rice	01	Off Campus	19	6	25	7	2	9
Agronomy	F/FW	F & FW training on Bacterial Wilt management in Brinjal & tomato	01	Off Campus	17	8	25	6	3	9
Plant protection	F/FW	Integrated fall army worm management in kharif maize	01	Off Campus	25	0	25	4	0	4
Plant protection	F/FW	ntegrated sucking pest management in cotton	01	Off campus	8	17	25	0	0	0
Plant protection	F/FW	Integrated BLB disease management in paddy	01	Off Campus	10	15	25	0	0	0
Plant protection	F/FW	management of BPH/WBPH in Kharif & Rabi Rice	01	Off Campus	25	0	25	4	0	4
Plant protection	F/FW	Integrated stem borer management in rice	01	Off campus	8	17	25	0	0	0
Plant protection	F/FW	IPM for management of pod borer complex in Pigeonpea,	01	Off Campus	10	15	25	0	0	0
Plant protection	F/FW	Wilting management in brinjal and tomato	01	Off campus	8	17	25	0	0	0
Plant protection	F/FW	IDM in pigeonpea crop	01	Off Campus	10	15	25	0	0	0
Plant protection	F/FW	Fruit fly management in bitter gourd,	01	Off Campus	25	0	25	4	0	4
Plant protection	F/FW	Management of collar rot disease in groundnut	01	Off campus	8	17	25	0	0	0
Plant protection	F/FW	Integrated foot rot disease management in Rabi rice	01	Off Campus	10	15	25	0	0	0
Horticulture	F/FW	F & FW training on cultural management in pointed gourd	01	Off Campus	25	0	25	4	0	4
Horticulture	F/FW	F & FW training on Application of micronutrient in Pointed Gourd	01	Off campus	8	17	25	0	0	0
Horticulture	F/FW	F & Fw training on Use & application of plant growth regulator in Mango	01	Off Campus	10	15	25	0	0	0
Horticulture	F/FW	Nursery management for Kharif onion	01	Off campus	8	17	25	0	0	0
Horticulture	F/FW	Protray Nursery techniques for raising vegetable seedling	01	Off Campus	10	15	25	0	0	0
Horticulture	F/FW	use of water soluble fertilizers in Chilli	01	Off Campus	25	0	25	4	0	4
Horticulture	F/FW	Different type of mulching in fruit crops	01	Off campus	8	17	25	0	0	0
Horticulture	F/FW	Cultural and nutrient Management practices for Pomegranate	01	Off Campus	10	15	25	0	0	0

Horticulture	F/FW	Propagation methods for dragon fruit	01	Off Campus	25	0	25	4	0	4
Horticulture	F/FW	wilt management in Brinjal	01	Off campus	8	17	25	0	0	0
Horticulture	F/FW	Micronutrient application in cauliflower	01	Off Campus	10	15	25	0	0	0
Horticulture	F/FW	Integrated nutrient management in Papaya	01	Off Campus	25	0	25	4	0	4
Horticulture	F/FW	Use and application of plant growth regulator in mango	01	Off campus	8	17	25	0	0	0
Horticulture	F/FW	Trellis system in tomato	01	Off Campus	10	15	25	0	0	0
Horticulture	F/FW	Application of micronutrient in pointed gourd	01	Off Campus	25	0	25	4	0	4
Animal science	F/FW	Feeding and nutrient management of dairy cows .	01	Off campus	8	17	25	0	0	0
Animal science	F/FW	Low cost feed formulation for dairy cow	01	Off Campus	10	15	25	0	0	0
Animal science	F/FW	Management and prevention of viral diseases in in CB cows	01	Off Campus	25	0	25	4	0	4
Animal science	F/FW	Nutrient management and herbal supplementation of Kalahandi buffalo for sustainable milk production	01	Off campus	8	17	25	0	0	0
Animal science	F/FW	Fodder cultivation and silage making for enhanced milk production	01	Off Campus	10	15	25	0	0	0
Animal science	F/FW	Hydroponics for green fodder production	01	Off Campus	25	0	25	4	0	4
Animal science	F/FW	Thornless cactus cultivation for green fodder production	01	Off campus	8	17	25	0	0	0
Animal science	F/FW	Salt and mineral blocking technology for restoring mineral balance in ruminants	01	Off Campus	10	15	25	0	0	0
Animal science	F/FW	Dietary supplementation of probiotic and its impact on goat	01	Off Campus	25	0	25	4	0	4
Animal science	F/FW	Artificial insemination in goat	01	Off campus	8	17	25	0	0	0
Animal science	F/FW	Pastoral system of goat rearing	01	Off Campus	10	15	25	0	0	0
Animal science	F/FW	Sustainable back yard poultry rearing.	01	Off Campus	25	0	25	4	0	4
Animal science	F/FW	Feeding and nutrient management in back yard poultry	01	Off campus	8	17	25	0	0	0
Animal science	F/FW	Brooding ad vaccination schedule in back yard poultry	01	Off Campus	10	15	25	0	0	0
Animal science	F/FW	Management of duck and layer bird at back yard for egg laying	01	Off Campus	25	0	25	4	0	4
Animal science	F/FW	Disease management of poultry in semi-intensive rearing system	01	Off campus	8	17	25	0	0	0
Animal science	F/FW	Paneer and curd preparation from milk	01	Off Campus	10	15	25	0	0	0
Animal science	F/FW	F & FW training on Artificial intesimination in Goat	01	Off Campus	25	0	25	4	0	4
Animal science	F/FW	F & FW training on Heat & Stress management in goat under semi intensive goat rearing system	01	Off Campus	25	0	25	4	0	4
Animal science	F/FW	F & FW training on Brooding vaccination management in fowl	01	Off campus	8	17	25	0	0	0
Animal science	F/FW	F & FW training on Low cost silage making for improvement of milk production in cattle	01	Off Campus	25	0	25	4	0	4
Animal science	F/FW	F & FW training on Disease management of Duck in semi intensive rearing system	01	Off campus	8	17	25	0	0	0
Animal	F/FW	F & FW training on Nutrient	01	Off	10	15	25	0	0	0

science		management in Greengram		Campus						
Animal science	F/FW	F & FW training on Weed management in Greengram	01	Off Campus	25	0	25	4	0	4
Animal science	F/FW	F & FW training on weed management in groundnut	01	Off campus	8	17	25	0	0	0
Animal science	F/FW	F & FW training on Weed management in upland rice	01	Off Campus	25	0	25	4	0	4
Animal science	F/FW	F & FW training on benefits of Micro nutrients & PGRS in Arhar	01	Off campus	8	17	25	0	0	0
Animal science	F/FW	F & FW training on weed Management in blackgram	01	Off Campus	10	15	25	0	0	0
Agril. extn	F/FW	Rural Youth training on vermicomposting	01	Off Campus	25	0	25	4	0	4
Agril. extn	F/FW	Rain water harvesting structure	01	Off campus	8	17	25	0	0	0
Agril. extn	F/FW	Integrated farming system approach for small and marginal farmers	01	Off Campus	10	15	25	0	0	0

H) Vocational training programmes for Rural Youth

a) Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Vermicompost	Organic inputs	Vermicomposting	2	4	11	15	--	5	4	--
Farming system	Farming system	Integrated Farming System	2	9	6	15	--	10	8	--
Farm machinery	Farm machinery	Safe use of PP chemicals and use of different spray equipments	2	15	15	15	--	--	--	--
Onion	Production technology	Method of seed production technology of Onion	2	10	5	15	--	1	1	--
Tomato	Value addition	Rural youth training on Value added product of Tomato	02	7	8	15	--	4	4	--
Onion	Value addition	Rural youth training on value added product of onion	02	0	15	15	--	4	4	--
Small ruminants	Disease management	Treatment and prevention of different diseases in small ruminants	2	15	15	15	--	--	5	--
Poultry	Broodng management	Rural youth training on Brooding & rearing management in Poultry	2	15	15	15	--	5	5	--
		Sex-sorted semen and its application	2	15	15	15	--			--
Mushroom	Income generati	Training on	2	0	15	15	--	15	15	--

	on	small scale mushroom production unit								
Farming syatem	Income generation	Round the year income generation through Horticulture based farming system model	2	5	10	15	--	10	5	--
Drudgery reduction	Drudgery reduction	Women friendly small farm tool and implements for drudgery reduction	2	2	13	15	--	5	5	--
Nutritional security	Nutritional security	Training on Nutri-garden for household food security.	2	1	14	15	--	10	6	--
Paddy	Farm implements	Rural Youth training Drudgery reduction small farm tech & equipments for paddy based farming system	2	2	13	15	--	5	2	--
Mushroom	Value addition	Rural Youth training processing & value addition of mushroom	2	2	13	15	--	15	5	--

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	3	62	28	90	32	3	2	5	65	30	95
Kisan Mela									0	0	0
Kisan Ghosthi									0	0	0
Exhibition	1								0	0	0
Film Show	2	42	58	100	58	8	2	10	50	60	110
Method Demonstrations	10	205	45	250		2	8	10	207	53	260
Farmers Seminar	-								0	0	0
Workshop	2	100	100	100	34	8	2	10	108	102	210
Group meetings									0	0	0
Lectures delivered as resource persons	25					5	20	25	5	20	25
Advisory Services									0	0	0
Scientific visit to farmers field	134	688	171	859	39	114	140	254	802	311	1113

Farmers visit to KVK	485	285	200	485					285	200	485
Diagnostic visits	12	218	122	340		4	8	12	222	130	352
Exposure visits									0	0	0
Ex-trainees Sammelan									0	0	0
Soil health Camp	2	58	22	80		2	2	4	60	24	84
Animal Health Camp	2	68	12	80		2	2	4	70	14	84
Agri mobile clinic									0	0	0
Soil test campaigns									0	0	0
Farm Science Club Conveners meet									0	0	0
Self Help Group Conveners meetings									0	0	0
Mahila Mandals Conveners meetings									0	0	0
Celebration of important days (specify)	01	19	6	25	4	2	3	5	21	9	30
Sankalp Se Siddhi	1	47	3	50	10	2	3	5	49	6	55
Swatchta Hi Sewa	5	56	205	261	55	10	15	25	66	220	286
Mahila Kisan Divas	01	28	22	50	20	2	3	5	30	25	55
Any Other (Specify)											
Total	686	1876	994	2770	164	210	374	2040	1204	3244	1876

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	05
Radio talks	04
TV talks	--
Popular articles	03
Extension Literature	04
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							
	MTU-1153	95.0	309795	SC		ST		Other		Total	
	MTU-1156	132.6	432408.6	M	F	M	F	M	F	M	F
	MTU-1001	77.4	252401.4								
	MTU-7029	70.0	228270								
Grand Total											

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Vegetable seedlings											
Cauliflower	Megha, Disha	20000	50000	2	0	5	2	7	2	16	2
Cabbage	Green ball	20000	50000	0	2	3	0	6	1	8	4
Tomato	Saaho, Lakshmi	25000	62500	5	0	3	0	12	4	22	4
Brinjal	VNR-212	25000	62500	0	8	3	3	10	9	13	20
Chilli	VNR-315	10000	25000	5	0	3	0	12	4	22	4
Onion											
Others		4000	10000	2	0	5	2	7	2	16	2
Fruits											
Mango	Dasheri, Langra	200	1000	0	2	3	0	6	1	8	4
Guava											
Lime											
Papaya	Red lady	300	7500	0	2	3	0	6	1	8	4
Banana											
Others		500	7500	5	0	3	0	12	4	22	4
Ornamental plants											
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											

Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Others, pl. specify											
Total		105000	276000	19	14	31	7	78	28	135	48

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	3000	45000	2	0	2		5	3	9	3
Bio-pesticide										
Bio-fungicide										
Bio-agents										
Others, please specify.										
Total	3000	45000	2	0	2		5	3	9	3

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	Vanaraja, Chhabro, Kaveri, RIR, Kalinga Brown	5580	418500	14	24	12	32	42	10	68	66
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	V.Volvaceae P.Sajarkaju P.Florida	1650 Nos.	33000	20	10	10	24	12	25	42	59
Others (Pl. specify)	V.Volvaceae P.Sajarkaju P.Florida	1.5q	18090	25	0	15	0	26	12	71	27
Grand Total			469590	59	34	37	56	80	47	181	152

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 :	Dr Amitabh Panda
Address :	Krishi Vigyan Kendra At- Arkabahalipada Agriculture Farm, Khariar Road, Bhawanipatna-766001
e-mail :	Kvkkalahandi.ouat@gmail.com
Phone No. : Mobile :	9437297307 6372568845

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2022						
Rabi 2020-21						
Summer/Spring 2022						
Kharif 2022						
Rabi 2021-2022						

iii) Financial Progress

Fund received (2019-20, 2020-21, 2021-22 and 2022-23)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2019-20	-	16.95769	45.84255	
2020-21	-	7.39663	50.36451	
2021-22				
2022-23				

iv) Infrastructure Development

Item	Progress
Seed processing unit	Seed processing plant and storage godown work has been completed and processing work started from the year 2019-20 onwards
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	Krushi Kalika	Senior scientist & Head and scientific staff	500	500
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature				
Technical reports	SAC 2020-21 Annual Report 2020-21 Annual Action Plan 2021-22	Senior Scientist & Head	03	10 10 10
Electronic Publication (CD/DVD etc.)	DVD-NICRA DVD-KVK at a glance	Senior Scientist & Head	02	--
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.	Integrated pest management of Horticultural crops	Horticulture	T.Majhi, Scientist(Horticulture)	16th to 18th January 2023	DEE, OUAT
2.	Early childhood care for working women	Horticulture	T. Majhi Scientist (Horticulture)	7th to 8th February 2023	College of Community Science, OUAT
3.					
4.					
5.					
6.					
7.					

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

Name of farmer	Gopabandhu Sahu
Address	Village-Matia, Grampanchayat-Matia, Block-Bhawanipatna
Contact details (Phone, mobile, email Id)	91-6370147767
Landholding (in ha.)	1.0 ha (leased in 1.6 ha) Cotton-4 ha (Kharif)

	Paddy-3 ha(Kharif) Pulses-1ha (Rabi) Onion-2 ha (Rabi) Vegetables- 1 ha (All season)
Name and description of the farm/ enterprise	The young farmer of 34 years old has a total of 8 ha of cultivable land is the primary source of livelihood. In irrigated patch of land vegetables is the main crop and in rainfed area Cotton and paddy is grown. This young farmer is very enthusiastic to practice innovative agricultural practices and cultivates the produce considering consumers demand and prevailing markets price which helps him to incur profit from his agricultural practices. Learning the techniques from various capacity building programmes of KVK and adopting those practices at right time grant him a positive result in the field in terms of production and income. Demonstration on performance of Onion (Cv.Bhima shakti & Bhima Super), herbicide application (Pre & post emergence)for weed control, FLD on Tomato (Cv. Swarna Sampad) , IPM management of vegetable crops, micronutrient application, Pest & disease management in Paddy, sucking pest infestation in cotton and most importantly use of hi-tech horticulture, drip system of irrigation(per drop more crop), use of water soluble nutrients, off seasonal vegetables cultivation and production of high value low volume exotic crops etc was promoted by KVK through various extension programmes.
Economic impact	Previously he could able to earn hardly around 5,00,000 per annum but now with his strong determination and adopting the agricultural innovative practice, technical knowledge and improved methods and processes he could able to get a net profit of Rs.7, 20,000/- (Rupees Seven lakh twenty thousand) only
Social impact	Witnessing the profit gained from the crops (specific-vegetable) others educated youth also trying to follow his footsteps. The village is known in the district for vegetable cultivation and specifically for onion cultivation. To promote onion farming, farmers are supported with low cost onion storage structure. by district horticulture Department
Environmental impact	--
Horizontal/ Vertical spread	His farm land is been visited by farmers of in and out of the district and been renowned as technical expert in his village in terms of veg.farming.

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.	Group discussion	To be acquaint with the agricultural scenario of the village
2.	Brain storming session	To highlight the emerging issue of the village relating to agriculture and allied sector
3.	Focused group discussion	To address the specific problem encountered by the farmers and find out possible solutions
4.	Checklist	To find out the present condition or progress In terms of agricultural development
5.	Questionnaire	To find out the baseline data of a village
6.	Survey method	To find out the baseline data of a village
7.	Participatory rural appraisal (PRA)	Resource inventory
8.	Problem Tree	To identify the problems and various factor associated with
9.	Root cause Analysis	To find out the grounds of the constrains and possible solution to solve it.

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

Sl. No	Name of the Equipment	Qty.
1.	Nitrogen analyser	01
2.	Spectrophotometer	01
3.	Ph meter	01
4.	Conductivity Meter	01
5.	Hot air oven	01
6.	Chemical balance	01
7.	Mechanical shaker	01
8.	Water Bath	01
9.	Incubator	01
10.	Mridaparikshak kit	01
11.	Weighing Balance	01

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
120	-	120	600	32	-

3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	Celebration of World Soil Day	30	-	-	50	50

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

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

3.13. Technology week celebration

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

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

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit

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)
Pigeonpea seed production	30	75	Rs. 28000per ha	Rs. 46000 per ha
IPM in Rice	30	65	Rs. 22500per ha	Rs. 42000 per ha
IPM in Pigeonpea	50	60	Rs. 32000per ha	Rs. 65000 per ha
Mushroom cultivation	20	55	Rs.45000 per unit	Rs. 1,20,000 per unit
Poultry rearing	20	40	Rs.50000 per unit	Rs. 2,00,000 per unit
Sucking pest management in Cotton	50	55	Rs. 45000per ha	Rs. 75000 per ha
Paclobutrazole application in mango	7	18	Rs.91500 per ha	Rs.176500 per ha
Ethrel application in watermelon	13	20	Rs. 55100 per ha	Rs. 71600 per ha
Demonstration on portable brooder to check early chick mortality	15	24	Rs. 1985/- per 10 birds	Rs. 3850/- per 10 birds

4.2. Cases of large scale adoption
(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread
Pigeon pea seed production	50 ha
Hybrid maize production	500ha
Popularisation of single trellis system in Bittergourd (Trellis system with GI wire and plastic twine)	20% horizontal spread in the Kalahandi district
Demonstration of Kadaknath poultry bird	10560 nos. kadakntah poultry birds reared across district
Demonstration of low cost silage	50 Acres of land was covered with maize cultivation that used for silage preparation.

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.	Management of major insect pest of rice	Application of Flubendiamide 240 SC + Thiacloprid 240 SC (Belt Expert) @ 300 ml/ha twice i.e. at Tillering & P.I. stage for management of rice stem borer, gall midge, leaf-folder and BPH	Incidence of silver shoot ad dead heart is reduced upto 90%
2.	Application of herbicide for weed management in onion	Pre emergence application of pendimethalin 750 g/ha followed by application of Quizalophop-p-ethyl 50 g/ha at 20 DAS in onion crops.	pre emergence application of Pendimethalin followed by quizalophop-ethyl is less no. of weed Population count 1.2 in compare to farmers practices 8.5 and to get higher yield 297.2q/ha.

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	Poultry rearing and brooding farm
Name & complete address of the entrepreneur	Mr. Godabarish Patra, Vill. Temra, Block-Koksara
Role of KVK with quantitative data support:	KVK scientist imparted training regarding brooding and rearing of poultry to the entrepreneur. KVK also supplied different types of poultry birds for his entrepreneurship. He was trained to a skill trainer in poultry sector by KVK scientists.
Timeline of the entrepreneurship development	1.5 years
Technical Components of the Enterprise	Poultry brooding and rearing. Poultry chicks were brooded up to three weeks and subsequently marketing
Status of entrepreneur before and after the enterprise	Before enterprise, the annual income was Rs.250000/- and after the annual income rise up to Rs.525000/-. After enterprise gradually he developed a training centre for poultry farming. He is supplying 15 days chicks to the various part of the district.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	The day old chicks were procured from CPDO and other private farm in the state. No labour constraints were felt in the poultry farm because very limited numbers of labour is required to manage the farm. Marketing is a no issue because there is heavy demand for poultry chicks in the district. Annually he is earning on an average Rs.525000/-. The enterprise is sustainable and viable.
Horizontal spread of enterprise	27%

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Deputy Director of Agriculture, Kalahandi	Diagnostic field visit, e-pest surveillance, technological backstopping through training and demonstration. Member of PKVY and Governing Board member of ATMA
Agriculture Technology Management Agency (ATMA)	Organizing farmer- scientist interaction, Diagnostic field visit and extension activities (Akhaya Trutiya, Environment day Celebration, World Food Day, Women in Agriculture Day), awareness campaign (BPH and seed treatment) are conducted in a collaborative mode.
National Horticulture Mission	Monitoring and verification of quality planting material (QPM) and training cum demonstration on hi-tech horticulture.
NABARD	Monitoring of WADI activities
Syngenta Foundation, India & KARRTABYA NGO	Delivering lecture as resource person in various sponsored training programme and monitoring the activities of Hybrid Paddy Seed production and capacity building of grass root Extension worker.
Leading NGOs of the district	Capacity building of the farmers through training programme and demonstrations are conducted in a collaborative mode. Technical guidance on crop & horticulture production system, organic farming,Millet production, sustainable livelihood support in rural areas

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

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Polyhouse	2011	300	-	Vegetable seedling	47100 no.	38500	103400	Unit is functional
2.	vermicompost	2011	--	--	Vermicompost	24qtl	15000	36000	Unit is functional
3.	Poultry unit	2012	250	(vanaraja, chhabro, RIR, Kalinga brown)	Chicks (21days old)	3148no.	64000	207768	Unit is functional
4.	Mushroom spawn	2012	31.72	V.Volvaceae P.Sajarkaju P.Florida	Spawn	1486 no.	10000	23776	Unit is functional
5.	Mushroom production	2012	35.0	.Volvaceae P.Sajarkaju P.Florida	Mushroom	100.5kg	5000	11250	Unit is functional
	Total						117500	382194	

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	22.06.2021	24.11.2021	5.0	MTU 1001	FS	150	400000	--	Seed is unprocessed
Paddy	22.07.2021	01.12.2021	5.0	MTU 7029	FS	150	400000	--	Seed is unprocessed
Dhanicha	01.08.2021	12.11.2021	2.0	--	CS	2.0	12000	--	Stock is in hand

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.	Bio fertilizer	2400	15000	36000	Unit is functional

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Poultry birds	Dual purpose bird (vanaraja,	21 days and adult poultry	5580	64000	207768	Unit is functional

		chhabro, RIR, Kalinga brown)	birds				
2.							
3.							

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)
	35	10	Vocational training
Total :	35	10	

(For whole of the year)

6.6. Utilization of staff quarters

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

Months	Q I	Q II	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Saving Account	State Bank of India	Main Branch, Bhawanipatna	11083460368
Saving Account	State Bank of India	Main Branch, Bhawanipatna	39488837909
Saving Account	State Bank of India	Main Branch, Bhawanipatna	31944687691

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	

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	

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances			
2	Traveling allowances			
3	Contingencies			
A				
B				
C				
D				
E				
F				
G				
H				
I				
J	Swachhta Expenditure			
TOTAL (A)				
B. Non-Recurring Contingencies				
1				
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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				
2020-21				
2021-22				
2022-23				

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

Name of activity	Number of activity	Season	With line department	With ATMA	With both
Mushroom training of Extension professional	05	Rabi	With Horticulture department	--	--
Pest management training	02	Rabi	--	--	With both
Production practices	02	Rabi	--	--	With

of oilseed crops					both
Poultry management	01	Rabi	With veterinary department	--	--
Seed potato verification	01	Rabi	With Horticulture department	--	--

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)
Blast, BLB	Rice	08.09.20	45000	21	27000
Wilting	Cotton	22.08.20	15000	18	9000
Fusarium wilting	Pigeonpea	10.09.20	5000	28	4000
Rust, powdery mildew	Blackgram	19.11.20	17000	26	12000
Powdery mildew, YMV	Greengram	14.12.20	16000	30	12000
Rust, Tikka, leaf spot, stem rot	Groundnut	16.08.20	5000	20	3000

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)
FMD	Cattle, Buffalo	No outbreak	26%	450	
PPR	Goat	No outbreak	42%	380	
HS	Cattle	No outbreak	23%	420	
BQ	Cattle	No outbreak	33%	320	

9.1. Nehru Yuva Kendra (NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

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

Type of message	No. of messages	No. of farmers covered
Crop		
Livestock		
Fishery		
Weather		

Marketing		
Awareness		
Training information		
Other		
Total		

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
14.05.2022	Cleanliness campaign and swachhta awareness at village level
10.06.2022	Training on preparation of organic decomposer
09.10.2022	Training on Composting of biodegradable waste management
2.11.2022	Cleaning and beautification of surrounding areas
16.12.2022	Cleanliness oath
18.01.2023	Cleanliness campaign and swachhta awareness at village level

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		
4. Cleaning and beautification of surrounding areas		
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste		
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level		
8. Swachhta Workshops		
9. Swachhta Pledge		
10. Display and Banner		

11. Foster healthy competition		
12. Involvement of print and electronic media		
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)		
14. No of Staff members involved in the activities		
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)		
Total		

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used

Give good quality 1-2 photograph(s)

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

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

9.10. Details of Swachhta Hi Suraksha programme organized

Sl.	Activity	No. of	No. of	No. of VIPs	Name (s) of VIP(s)

No.		villages Involved	Particip ants		

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Particip ants	No. of VIPs	Name (s) of VIP(s)
1	Celebration of Mahila Kisan Divas	1	50	-	-

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

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1.	Sri. Bikash Pradhan	Village-Sikerguda, Grampanchayat-Chancher Block-Bhawanipatna 9438402775	Integrated Farming system
2.	Sri. Mahadev Behera	Village-Bhainri, Grampanchayat-Mingur Block-Kalampur 9078640750	Poultry farming
3.	Sri, Indu Bhusan Swain	Village-Boria , Grampanchayat-Boria Block-Kesinga 9938090828	Pigeon pea seed production and Banana cultivation
4.	Aditya Kumar Sahoo	Village-Dhaner , Grampanchayat-Charbahal Block-Junagarh 9853891533	Hi-tech horticulture
5.	Manoj Patra	Village-Baner , Grampanchayat-Baner Block-Jaipatna 8637292187	Mushroom and spawn production unit

9.13. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Revolving fund	443626.12	KVK
2.	Farmers hostel	26250	KVK
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

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

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 other programmes (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 outcome 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	
Renovation of check dam	1	1	1.5	12	6	19	7	22	14	49	27	76	Renovation of check dam

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	
Rice-Swarna shreeya	05	3	2	4	0	3	0	10	2	12	
Rice	05	2	3	1		2		8	4	12	
Brinjal (VNR-212)	4.8	12	5	8	5	10	4	30	14	44	
Tomato (Saaho)	5.0	8	9	5	4	11	5	24	18	42	
Chilli (Agnirekha)	4.3	5	3	4	2	9	7	18	12	30	
Black gram (PU-31)	6.6	6	4	12	5	13	9	31	18	49	
Arhar (PRG-176)	13.8	4	3	8	5	7	5	19	13	32	

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	
Vaccination camp against FMD Cattle & PPR against goat	340 nos.	340 nos.		12	5	8	4	10	6	30	15	45	
Vaccination for PPR in goat and Ranikhet in Poultry.	350	350		6	2	12	4	7	3	25	9	37	
Deworming	250	250		3	5	11	3	7	5	21	13	34	
Mineral mixture	240 nos.	240 nos.		4	2	7	5	11	9	22	16	38	

Institutional interventions

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

Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC	ST		Other			Total		
		M	F	M	F	M	F	M	F	T
Crop Management	3	3	23	7	25	5	32	15	75	90
Livestock Management	3	4	22	8	32	8	16	20	70	90
Natural resource management	1	0	0	2	8	0	20			30
Pest and disease management	3	5	22	3	19	2	39	10	80	90

Extension activities

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

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

Sl.	Name of the	Name of the	Year	Conferring Authority	Amount	Purpose

No.	Award	Farmer				

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

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

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

16. Integrated Farming System (IFS)

Details of KVK Demo. Unit

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

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	Application of combine insecticides for management of major insect pest of rice	• Application of Flubendiamide240 SC + Thiacloprid 240 SC (Belt Expert) @ 300 ml/ha twice i.e. at Tillering & P.I. stage for management of rice stem borer, gall midge, leaf-folder and BPH • Application of Ethiprole 40% + Imidacloprid 40% (Glamore) @ 125 g/ha twice i.e. at Tillering & P.I. stage for management of rice stem borer, gall midge, leaf-folder and BPH	50195	25	
2	Eco-friendly management of pod borer complex in pigeonpea	• Application of Azadirachtin 0.15%@ 1.5 Lit./ ha + Spinosad 45 SC @ 200 ml / ha at 50% flowering and second 15-20 days after 1ST spraying. • Application of Azadirachtin 0.15%@ 1.5 Lit./ ha + Emamectin Benzoate 5 SG @ 200 gm / ha at 50% flowering and second 15-20 days after 1ST spraying.	89800	45	
	Demonstration on application of herbicide for weed management in onion	• Pendimethalin is an herbicide used in pre emergence and post emergence applications to control annual grasses and certain broadleaf weeds. • Quizalofop-P-ethyl is a selective, post emergence phenoxy herbicide. It is used to control annual and perennial grass weeds. • The compound is absorbed from the leaf surface and is moved throughout the plant. • It accumulates in the active growing	Rs. 151560/-	40	

		regions of stems and roots.			
	Demonstration on ethrel application in watermelon for enhanced fruit setting	• Nursery Preparation for watermelon with polythene bags of 200 gauge, 10cm diameter and 15 cm height. FYM 15-20 t/ha, NPK dose @ 80:50:50 Kg/ha. • Spray Ethrel 2.5 ml/10 lit of water 4 times at weekly intervals commencing from 15 days after sowing.	Rs. 71600/-	50	
	Assessment of suitable Brinjal variety for Kalahandi district	• Cultivation of Brinjal var. Swarna Shakti Fruits are oblong, medium length (15-17 cm), weight (250-300 g) and attractive shiny light purple colour, resistant to phomopsis blight and bacterial wilt, seed rate- 150-200g/ha, maturity- 55-65 DAP, Average yield- 70-75 t/ha • Cultivation of Brinjal var. Swarna Ajay Fruits are oblong, medium length (10-12 cm), weight (100-120 g) and attractive light purple colour, resistant to phomopsis blight and bacterial wilt, seed rate- 150-200g/ha, maturity- 50-55 DAP, Average yield- 70-75 t/ha	Rs. 258240/- Rs. 27070/-	30	
	Assessment of different plant growth regulator for crop regulation in mango	Application of paclobutrazol@ 0.25g a.i./m^2 canopy spread • Application of ethephon 5-8 sprays @ 200ppm fortnightly interval	Rs. 176500/- Rs. 145000/-	30	
	Demonstration on Kadaknath poultry bird	Rearing of Kadaknath in back yard with 30-50 gm of feed per bird, vaccination against RD on 7th day, 28 day, IBD on 14th day.	Rs.3890/- per 10 bird per annum	42	
	Demonstration on low cost silage making for feeding cows during lean period	Maize fodder chaffed to approximately 2-3 cm size, added with 5% molasses, put inside a plastic bag in airtight manner be maintained for 8 week and feed the silage @ 25% to total feed	Rs. 4500/- per cow per annum	36	
	On farm testing on different Oil Cakes as Feed Supplement in Cross bred Cow	• Feeding of cow @ 2.5 kg of concentrate feed + with 1 kg cotton oil cake + 10 kg green fodder per day • Feeding of cow @ 2.5 kg of concentrate feed + with 1 kg groundnut oil cake+ 10 kg green fodder per day	Rs. 6800/- per cow per annum	25	

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

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

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

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

21. Information on NARI Project (if applicable)

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

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

a) Training achievements

Name of KVK	***Period***	***No. of Training on diversified farming practices for doubling farmers' income organized***	***No. of farmers trained***	
			Male	***Female***
	01.01.2022 to 31.12.2022	30	450	300

b) Other achievements

Sl. No.	**Particulars**	**January, 2022 to December, 2022**
1	Number of demonstrations other than oilseeds and pulses	5
2	Number of demonstrations on oilseed crops	-
3	Number of demonstrations on pulse crops	1
4	Number of farmers trained	300
5	Number of participants in Extension activities	125
6	Number of farmers for Mobile Advisory	99800
7	Production of seeds (in quintal)	-
8	Production of planting material (Number)	25400
9	Number of soil sample tested	125

10	Number of farmers covered in Climate Resilient villages	85
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	182

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)

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