ANNUAL PROGRESS REPORT 2022

(January 2022 to December 2022)

ICAR

କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର

କୃଷି ବିଜ ୍ଞାନ କେନ୍ଦ୍ର

KRISHI VIGYAN KENDRA

NAYAGARH

ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY

At: Panipoila, P.O.:Balugaon, Dist.: Nayagarh, PIN :752070, Odisha.

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
KrishiVigyan Kendra At-Panipoila Po- BalugaonDistNayagarh Pin-752070		-	kvknayagarh.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 & Technology, Bhubaneswar, Odisha	0674-2397362	0674-2397362	deanextensionouat@yahoo.com deanextension_ouat@rediffmail.com

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

Name	Telephone / Contact		
Dr. Anil Kumar Swain	-	9439024040 9438615702	anilkumarswainouat@gmail.com

1.4. Year of sanction of KVK: 2004

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. Anil Kumar Swain	Sr. Scientist & Head	Fishery Science	79800-211500 **Rs.1,07,200**	19.10.2019	Temporary	Other
2	Subject Matter Specialist	Mrs. Gitanjali Subudhi	Scientist	Home Science	57700-182400 **Rs.92,500**	04.06.2021	Temporary	Other
3	Subject Matter Specialist	Mr. Pramod Ku Prusti	Scientist	Plant Protection	57700-182400 **Rs.82,200/-**	24.05.2018	Temporary	Other
4	Subject Matter Specialist	Dr. (Mrs.) Lata Malik	Scientist	Soil Science	57700-182400 **Rs.82,200**	20.07.2018	Temporary	Other
5	Subject Matter Specialist	Dr Madhumita Jena	Scientist	Agril. Extension	57700-182400 Rs.79,800	01.08.2022	Temporary	Other
6	Subject Matter Specialist	Er. (Mrs.) Suchismita Dwivedy	Scientist	Agri. Engg.	15600-39100 +AGP 6000 Rs.20,590/- **(6thCPC)**	22.01.2016	Temporary	Other
7	Subject Matter Specialist	Vacant	Scientist					
8	Farm Manager	Mr. DebasishNayak	Farm Manager	Agronomy	35400-167800 **Rs. 49,000/-**	31.01.2019	Temporary	Other
9	Programme Assistant	Vacant	Programme Assistant	-		-	Temporary	Other
10	Computer Programmer	Mrs. RosalinPraharaj	Programme Assistant	Computer	35400-167800 **Rs.56,900/-**	10.03.2006	Temporary	Other
11	Accountant / Superintendent	Vacant	Off Superintendent Cum- Accountant					
12	Stenographer	Mrs. T. Chhualasingh	Stenographer	Jr. Steno-cum-Comp Operator	25500-92300 **Rs.31,400/-**	11.11.2016	Temporary	Other
13	Driver-cum-Mechanic	Mr. Pramod Ku Lenka	Driver-cum-Mechanic	-	19900-63200 **Rs.29,300/-**	04.06.2021	Temporary	Other
14	Driver-cum-Mechanic	Mr. Dillip Pradhan	Driver- Cum-Mechanic	-	19900-63200 **Rs.27,600/-**	18.02.2019	Temporary	Other
15	Supporting staff	Mr. HariharPradhan	Peon-cum-Watchman	-	18000-92300 **Rs.25, 000/-**	01.12.2014	Temporary	Other
16	Supporting staff	Mr. GunanidhiBauta	Peon-cum-Watchman	-	18000-92300 **Rs.25, 000/-**	04.06.2021	Temporary	Other

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.0
2.	Under Demonstration Units	0.4
3.	Under Crops	2.16
4.	Orchard/Agro-forestry	1.2
5.	Others with details	1.97
6.	Ponds	0.8
	Total	7.53 ha

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.	Adm. Building					Yes			ICAR
2.	Farmers Hostel					Yes			ICAR
3.	Staff Quarters (6)					Not Available			
4.	Piggery unit					Not Available			
5.	Fencing					Yes			
6.	Rain Water harvesting					Not Available		Required	
7.	Threshing floor					Yes			RKVY
8.	Farm Godown					Not Available		Required	
9.	Dairy unit					Not Available		Required	
10.	Poultry unit					Yes			ARYA
11.	Goatary unit					Not Available			
12.	Mushroom Lab					Yes			RKVY
13.	Mushroom prod					Yes			ICAR

	unit								
14.	Shade house					Not Available			
15.	Soil test Lab					Yes			ICAR
16.	Vermicompost unit					Yes			ICAR
17.	Poly house					Yes			ICAR

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

B) Vehicles

Type of vehicle	**Year of purchase**	**Cost (Rs.)**	**Total km. Run**	**Present status**
Bolero	2020	8,00,000	47380	Good
Tractor	2023	6,55,297	New purchased	New
Motor Cycle	2005	51,000	83475	Good

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Soil testing lab equipment	2017-18	17.00,000	Workable condition	ICAR
Autoclave	2017-18	1,20,000	Workable condition	ICAR
Digital refractometer	2017-18	15000	Workable condition	ICAR
Drying cabinet	2017-18	20000	Workable condition	ICAR
Crown cap sealing machine	2017-18	6000	Workable condition	ICAR
Food processor	2017-18	5000	Workable condition	ICAR
Vacuum sealing machine	2017-18	2000	Workable condition	ICAR
Plant Health Clinic lab equipments	2022-23	25,00,000	Workable condition	GoO
b. Farm machinery				
Water pump (1.5 hp)	2017-18	10,000	Workable condition	ICAR
Drum Seeder	2017-18	3000	Workable condition	ICAR
Paddle Paddy Thresher	2017-18	6225	Workable condition	ICAR

Agricultural spray Drone	2022-23	8,45,728	Workable condition	ICAR
Tractor	2022-23	6,55,297	Workable condition	ICAR
c. AV Aids				
Computer	2017-18	38,000	Workable condition	ICAR
Inverter	2017-18	40000	Workable condition	ICAR
DSLR camera	2017-18	42000	Workable condition	ICAR
LCD Projector	2019-20	64,000	Workable condition	ICAR
Laptop	2022-23	35,354	Workable condition	ICAR(ARYA)

D) Farm implements

Name of equipment	**Year of purchase**	**Cost (Rs.)**	**Present status**	**Source of fund**
Cultivator	-	-	Good	ICAR
M.B. Plough	2013	30,000	Good	ICAR
Land Leveler	2014	19500	Good	ICAR
Disc plough	2013	64000	Good	ICAR
Sugarcane Ridger	2020	14000	Good	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.	07.01.2022	21	Different Trial/Demonstration on sugarcane considering the importance for the district	• On farm trial (OFT) of Sugarcane Ridger was conducted at 2 blocks of the district at 10 locations. • Sugarcane (Var-Charchika) of Sugarcane Research Station, OUAT, Nayagarh taken as Front-Line Demonstration (FLD) at 10farmers field of 3blocks • Seed production of sugarcane done by KVK during 2021	
			Promotion of biofortified rice varieties	• FLD on Biofertified rice Var: CRdhan 311 conducted at 2 blocks of the district at 10nos. of farmers field during Kharif 2021	

				• 3varieties (CRdhan310, 311, 314) maintained at KVK rice cafeteria	
			Emphasis on promotion of Finger millet	• One training programme conducted for 25nos. of F/FW. • FLD conducted on Finger Millet for SHG at 4 blocks. • Seed Production programme taken of Var: Arjun during Rabi. • 14nos. of awareness programme conducted for Millet production during Kharif utilizing fallow upland. • 3Varieties (OUAT) of Millet (Arjun, Bhairabi, Kalua) have taken at crop cafeteria of KVK. • Presented the success of millet production to district administration during Rabi Strategy meeting. • MILLET MISSION implemented for Nayagarh by the Govt. Joint feasibility report submitted for 5blocks.	
			Introduction of new species in pisciculture like mola fish and freshwater prawn etc	• Demonstration of Freshwater Prawn with Grass carp conducted at 10 villages of 6blocks during Kharif 2021. • Mola fish along with locally collected Indigenous fishes (Puntius, Magur) taken at On Campus Trial under Natural farming in Aquaculture	
			Popularization of mushroom spawn production technology with polypropylene bags	• One Rural youth (20nos.) training conducted • One Farm women (25nos.) training conducted. • 6nos. of awareness Training programme through Hort. Dept . • OFT on Mushroom spawn production with polypropylene bags conducted at Nayagarh block at 10 units.	
			Popularization of new poultry breed	• FLD on Backyard Poultry Rearing of breed Kadaknath was conducted at 2 blocks for SHGs. • Conducted 2nos. of Training programmes for 50 F/FW. • Production of 2200nos. of 21days old chicks	

				(Var: Vanaraja, Kadaknath, Aseel) under RF and provided to 58farmers, 14SHGs and Odisha Livelihood Mission of district. • 3 breeds of poultry Vanaraja, Kadaknath, Asseel at KVK demo. Unit	
			Demonstration of new jaggery production technology	• OFT on Preparation of Quality Sugarcane jaggery conducted 2blocks. • Awareness programme conducted in association with Agriculture and Industries Dept. of Nayagarh district. • Submitted project on Promoting agripreneurship through Livelihood Business Incubation (LBI) Centres on Jaggery preparation to MSME (ASPIRE) under ODOP.	
			Popularization of vegetable seedling production in group approach involving SHGs.	• Activities will be taken during 2022.	
			Conducting Farm Field School (FFS) for better farmer to farmer extension	• Farm Field School on Production of tomato through plastic mulching and staking was conducted at the field of Mr Santosh Kumar Barad, Vil-Solapata, Bl-Odogaon involving 30 farmers. • Aqua Field School conducted at Mr. Susanta Samantray of Vill: Khedapada, Bl: Nayagarh Field on "Fresh water Prawn in Carp Polyculture" with 20farmers from 14villages of 4blocks along with Asst. Fishery Officer	
			Documentation of farmers innovation and update of KVK portal	• One farmers documentation telecast done at DD Odia and more will be done during 2022. • ICAR KVK portal updated with 618 entries at Sl. no 168 (Among 724 KVKs)	

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

Recommendation of XVIth SAC Meeting of KVK, Nayagarh:

1. Continuance of previous SAC recommendations for future KVK activities.
2. On Farm Trial of different fishes in Biofloc Technology.
3. Demonstration of Sugarcane varieties.
4. Demonstration of different crops for better utilisation of fallow upland during Kharif.
5. Promotion of Natural Farming on different crops among the Farmers.
6. Standardisation of Vermicompost production from different substrates.
7. Promotion of farm mechanisation in rice, pulse crops.
8. On Farm Trial on different activities of FPO/SHG will be conducted by Scientist(Ag. Extension).
9. Emphasis on Soil & Water Conservation Technology/Activities.
10. Documentation of different Farmers Success Stories.

The meeting was ended with the vote of thanks to the chair.

09/01/2023

Sr. Scientist and Head
Krishi Vigyan Kendra,
OUAT, Nayagarh

10/01/2023

Joint Dir. Extension
Directorate of Extension Education
OUAT, Bhubaneswar

Approved
10/1/23

Dean
Directorate of Extension Education
OUAT, Bhubaneswar

ANNEXURE

Members present in the 16th Scientific Advisory Committee Meeting

S.No	Members Name	Designation	
1	Prof. P.J Mishra	Dean. DEE. OUAT. BBSR	Chairman
2	Dr A. Haldar	Principal Scientist, ICAR-ATARI, Kolkata	Member
3	Dr H.K. Dey	Principal Scientist, ICAR-CIFA, BBSR	Member
4	Prof. C.M Khanda	ADR, RRTTS(CZ), OUAT, Bhubaneswar	Member
5	Prof. P.K Nayak	OIC, SRS, OUAT, Nayagarh	Member
6	Sri M. Behera	DDH, Nayagarh	Member
7	Mr. J.Mohapatra	ADO, Nayagarh	Member
8	Dr P.K Pradhan	Nodal Officer, O/o-CDVO, Nayagarh	Member
9	Mr. M.Giri	EE(Agril), Nayagarh	Member
10	Mrs S. Mishra	ADF, Nayagarh	Member
11	Mr. B.Rout	AAE, O/o-PD,Watershed, Nayagarh	Member
12	Sri Chakradhar Jena	Farmer, Nayagarh(Small farmer)	Member
13	Smt. Sini Jena	Women Farmer Representative	Member
14	Mr. Swaraj Mohanty	Farmer, Nayagarh(Big farmer)	Member
15	Smt. Janaki Pradhan	Women Farmer Representative	Member
16	Mr. B.P.Pattanaik	DD Representative, Nayagarh	Member
17	Mr. J.K.Panda	AIR, Cuttack	Member
18	Mr. Sashisekhar Patnaik	LDM, SBI, Nayagarh	Member
19	Mr. S Swain	OLM, Nayagarh	Invitee
20	Mrs. Gitanjali Subudhi	Scientist, Home Sc. KVK, Nayagarh	Invitee
21	Dr. Lata Malik	Scientist, Soil Sc, KVK, Nayagarh	Invitee
22	Mr. TribijayiBadjena	Scientist, Agril. Extn. KVK, Nayagarh	Invitee
23	Er. Suchismita Dwivedy	Scientist, Agril. Engg. KVK	Invitee
24	Mrs. S. Pattanayak	SMS (Agromet), KVK, Nayagarh	Invitee
25	Dr. J. Pattanayak	Jr. Scientist (Agronomy), SRS, Nayagarh	Invitee
26	Dr. S. Mohanty	Jr. Scientist (Plant Path.), SRS, Nayagarh	Invitee
27	Mrs. Pinki Seth	Jr. Scientist (Soil Sc.), SRS, Nayagarh	Invitee
28	Dr. Anil Kumar Swain	Sr. Scientist & Head, KVK, Nayagarh	Secretary

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

Sl. no.	Item	Information
1	Major Farming system/enterprise	Rice – Greengram
2	Agro-climatic Zone	East and South Eastern Coastal Plain Zone
3	Agro ecological situation	Rainfed Laterite
4	Soil type	Mixed red, alluvial
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Paddy-45q/ha, Greengram-4.68q/ha, sugarcane-69.95ton/ha
6	Mean yearly temperature, rainfall, humidity of the district	1354mm, 38°C, 87%
7	Production of major livestock products like milk, egg, meat etc.	21.76 TMT milk 120 lakh egg + 0.136 TMT

Note: Please give recent data only

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

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Nayagarh	Gania	Kendupalii	Paddy, Pigeon pea, Vegetables, Mushroom & Poultry	• Labour problem in different agricultural operation in pulses. • Poor productivity of Pigeon pea due to disease complex • Non-commercialization of organic wastage • Low productivity of country birds	• Farm mechanization in pigeon pea • IPDM in greengram • Promotion of Renewable energy • Vermi-compostproduction • Rearing management of improved poultry Cultivation of Paddy straw mushroom with threshed straw
2	Nayagarh	Bhapur	Laxmiprasad	Paddy, Greengram, Vegetables, Mushroom	• Severe yield loss due to attack of BPH in paddy • Low price of vegetables in Rabi season • Under utilisation of threshed paddy straw	• IPDM measures in paddy • Off season vegetable cultivation & Promotion of floriculture • Varietal evaluation & production management offish

						• Cultivation of Paddy straw mushroom with threshed straw
3	Nayagarh	Nayagarh	Sarapada	Paddy, Greengram Vegetables, Groundnut Sesamum, Fishery,	• Severe infestation of insect pest and disease in paddy, pulses. oilseed& vegetables • Imbalance use of manures and fertilizers with weed problem in Paddy, pulses & oilseeds leading to low productivity • Poor yield due to disease Complex in vegetables & fruits. • Potato chips through open sun drying is more time consuming and poor hygienic process • Low growth rate of normal Rohu with low availability of natural plankton leading to less fish yield	• Organic farming in paddy, oilseeds &vegetables • Integrated weed management in pulses &mango • INM &IDM in vegetables • Value addition of vegetables • Introduction of improved fish variety with feed management
4	Nayagarh	Ranapur	Malisahi	Paddy, Greengram Mustard,	• Use of excessive nitrogenous fertilizer in rice leads to degradation of soil fertility &more incidence of pest & disease. • Low growth rate and yield of green gram due to sowing during (low temp) 4th week of Dec. • Labour problem in sowing of greengram • Less return from paddy fallow areas • Low milk yield due to poor feeding	• INM & IPDM in paddy • ICM in Rabi greengram • Farm mechanization. • Introduction of short duration oilseed crops • Feeding management of dairy animals.
5	Nayagarh	Nuagaon	Dimiripalli	Paddy, Greengram, vegetables Poultry	• Labourer problems for different farm activities • Low price of vegetables in Rabi season • Low productivity of country birds.	• Farm mechanization in vegetables • Introduction of high yielding varieties • Off season cultivation of onion & cauliflower • Rearing management of improved breed of Poultry

2. c. Details of village adoption programme:

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

Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Kendupalii	2021-22	Gania	120	755	114
Laxmiprasad	2021-22	Bhapur	30	5103	254
Sarapada	2021-22	Nayagarh	30	1577	235
Malisahi	2021-22	Ranapur	42	1028	261
Dimiripalli	2021-22	Nuagaon	50	895	244

2.1 Priority thrust areas

S. No	Thrust area
1.	Varietal substitution in rice, particularly for rain-fed upland and medium land types.
2.	Crop diversification from rice to pulse (Arhar), oilseed (Sunflower, ground nut) sugarcane and tuber crop based cropping systems.
3.	Integrated nutrient management by incorporation of crop residues/forest litters, green manuring, improvised composting and balanced use of inorganic and bio-fertilizers.
4.	Popularizing ecofriendly pesticides and bio-control agents and IPM practices for borers in sugarcane, rice and brinjal.
5.	Revolutionizing fresh water fish farming by including freshwater prawn (Scampi) in composite pisciculture system.
6.	Empowerment of rural youth and SHGs through remunerative agro based enterprises like value addition of fruits and vegetables, mushroom production, bee keeping, floriculture, poultry farming and nursery raising.
7.	Rejuvenating mango and cashew orchards and developing Alternative Land Use system models.
8.	Scientific method of fish production with freshwater prawn culture, integrated farming system research and stunted fingerlings & yearlings stocking.
9.	Income generation from backyard poultry for economic upliftment.
10.	Raising of fuel wood, timber and fodder yielding species to meet the local demand and production, value addition of minor forest products.
11.	Varietal substitution in rice, particularly for rain-fed upland and medium land types.
12.	Popularization of Farm implements to reduce drudgery as well as cropping intensity.
13	Post harvest processing

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							
11	11	110	SC		ST		Others		Total			20	19	200	SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
			25	11	25	8	35	6	85	25	110				22	28	35	12	51	42	108	82	190

Training												Extension activities										
Number of Courses		Number of Participants										Number of activities		Number of participants								
Target	Achieveme.	Target	Achievement									Target	Achievement	Target	Achievement							
58	58	1355	SC		ST		Others		Total			1180	1574	88563	SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
			35	15	40	30	1085	150	1160	195	1355				270	320	188	310	335	351	793	781	1574

Impact of capacity building											Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
6	6	1	0	0	0	3	1	4	1	5	120	120	1	0	0	0	2	1	3	1	4

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
		1.0	1.19500

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
50000	56000	0.00500	0.0567

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	-	-	-	-	-	-	-
Seminar/conference/ symposia papers	-	-	-	-	-	-	-
Books	-	-	-	-	-	-	-
Bulletins	-	-	-	-	-	-	-
News letter	4	2000	-	-	-	-	-
Popular Articles	6	3000	-	-	-	-	-
Book Chapter	-	-	-	-	-	-	-
Extension Pamphlets/ literature	5	5000	-	-	-	-	-
Technical reports	6	600	-	-	-	-	-
Electronic Publication (CD/DVD etc)	12		-	-	-	-	-
TOTAL	33	10600	-	-	-	-	-

1 Achievements on technologies assessed and refined

OFT-1

i.	Season	:	Rabi, 2022
ii.	Title of the OFT	:	Assessment on IPM module for Management of sucking pest in brinjal
iii.	Thematic Area	:	Integrated Pest Management
iv.	Problem diagnosed	:	Heavy infestation of mites and whitefly reduces the yield in brinjal
v.	Important Cause	:	Indiscriminate use of pesticide in brinjal
vi.	Production system	:	Field Based
vii.	Micro farming system	:	irrigated
viii.	Technology for Testing	:	Integrated Pest Management of sucking pest in brinjal
ix.	Existing Practice	:	Spraying of Thiamethoxam 25WG/Acetamiprid 20 SP @300 to 400 gm/ha and Dicofol 18.5EC @ 1.5 lit/ha
x.	Hypothesis	:	IPM module is effective and ecofriendly measures for management of pest
xi.	Objective(s)	:	To assess the IPM module against whitefly and mites in brinjal
xii.	Treatments:		
	Farmers Practice (FP)	:	Spraying of Thiamethoxam 25WG/Acetamiprid 20 SP @400 to 500 gm/ha and Dicofol 18.5EC @ 1.5 lit/ha
	Technology option-I (TO_1)	:	Installation of Yellow sticky trap @20/ha, Alternate spraying of Spiromesifen 22.9 SC @ 400 ml/ha and Neem oil (300 ppm) @ 1 lit/ha
	Technology option-II (TO_2)	:	Installation of Yellow sticky trap @20/ha, Alternate spraying of Spirotetramat 11.01+Imidacloprid 11.01 SC @ 500 ml/ha and Neem oil (300 ppm) @ 1 lit/ha
xiii.	Critical Inputs	:	Spirotetramat 11.01+Imidacloprid 11.01 SC, Spiromesifen 22.9 SC,Yelloow Sticky trap Neem oil (300 ppm)
xiv.	Unit Size	:	0.04ha
xv.	No of Replications	:	10
xvi.	Unit Cost	:	800
xvii.	Total Cost	:	8000
xviii.	Monitoring Indicator	:	No of whitefly and red spider mite population from six apical leaves (2 each from top, middle and bottom canopy),Yield(Kg/ha),B:C ratio
xix.	Source of Technology (ICAR/ AICRP/ SAU/)	:	BCKV, West Bengal,2017

Thematic area: Integrated Pest Management
Problem definition: Heavy infestation of mites and whitefly reduces the yield in brinjal
Table:
Technology assessed: Assessment on IPM module for Management of sucking pest in brinjal

Technology option	**No. of trials**	**Yield component**		**Yield (q/pit)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		No of whitefly/leaf	**No of spider mite/leaf**					
FP	10	5.2	7.8	198.5	75140	42220	**117360**	2.56
TO_1	10	1.8	2.4	216.8	80275	56250	136525	2.70
TO_2	10	1.1	1.6	228.7	82560	63580	146140	2.77

OFT-2

Season	**:**	Kharif 2022
Title of the OFT	**:**	**Assessment on production of sweet corn varieties**
Thematic Area	**:**	Varietal Intervention
Problem diagnosed	**:**	Farmers are lacking in knowledge for growing of HYV of sweet corn
Production system	**:**	Rice- Pulse
Micro farming system	**:**	Irrigated Medium land
Technology for Testing	**:**	Duration 75days, yield potential50-55q/ha, Moderately resistance to disease pest
Farmers Practice (FP)	**:**	Cultivation of local variety
Technology option-(TO1)	**:**	Pusa super sweet Corn1
Technology option- (TO-II)		VL Sweetcorn Hybrid2
Existing Practice	**:**	Rice- pulse cropping system
Objective(s)	**:**	Growing of HYV of sweet corn instead of local var
Treatments	**:**	
Farmers Practice (FP):	**:**	Cultivation of local var maize
Technology option-I (TO-I)	**:**	Pusa super sweet corn 1
Technology option-II (TO-II)	**:**	VL sweetcorn Hybrid 2
Critical Inputs	**:**	Sweet corn Seeds
Unit Size:	**:**	1 Acre
No of Replications	**:**	10

Unit Cost	:	1000
Total Cost	:	10000
Monitoring Indicator		No of Cob/Plant, Cob Length, Yield and Economics
Source of Technology (ICAR/ AICSAU)		OUAT, 2018

Thematic area: Varietal Intervention

Problem definition: Farmers are lacking in knowledge for growing of HYV of sweet corn varieties

Table: Technology assessed: **Assessment on production of pusa sweet corn varieties**

Technology option	No. of trials	Yield component		Yield (q/pit)	Cost of culti (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No of cobs per plant	Cob diameter in cm					
FP	10	2	11.2	34.8	48300	120267	71967	2.49
TO_1		3	14.5	47.7	49500	166320	117030	3.36
TO_2		2.5	13.5	45.3	49200	158424	109250	3.22

OFT-3

i	Season	:	Kharif 2022
ii	Title of the OFT	:	**Assessment on Performance of different substrates for vermicompost production**
iii	Thematic Area	:	Production of organic inputs
iv	Problem diagnosed	:	Under utilization of organic wastage and scarcity of organic manure
v	Production system	:	organic manure production
vi	Micro farming system	:	Homestead
vii	Technology for Testing	:	Field Crop residue can be better utilized in vermicomposting
	Farmers Practice (FP)	:	Local method
	Technology option-(TO1)	:	Vermicomposting from cow dung+ vegetable waste (2:3)
	Technology option-II (TO-II)		Vermicomposting from cow dung+ Field Crop residue (2:3)
	Technology option-III(TO-III)		Vermicomposting from cow dung+ Sal leaves substrate(2:3)
viii	Existing Practice	:	Organic compost local method
ix	Objective(s)	:	To increase organic status of the soil and yield
x	Treatments	:	
	Farmers Practice (FP):	:	Local method
	Technology option-I (TO-I)	:	Vermicomposting from cow dung+ vegetable waste (2:3)
	Technology option-II (TO-II)	:	Vermicomposting from cow dung+ Field Crop residue (2:3)
	Technology option-III (TO-III)		Vermicomposting from cow dung+ Sal leaves substrate (2:3)
xi	Critical Inputs	:	Cow dung, vermibed, vermin
xii	Unit Size:	:	6’ X 4’

xiii	No of Replications	:	10
xiv	Unit Cost	:	1000
xv	Total Cost	:	10000
xvi	Monitoring Indicator		NPK status (%), Conversion period(days), Conversion ratio
xvii	Source of Technology (ICAR/ AICRP/ SAU/		NRCM, Solan, 2012

Thematic area*:* Production of organic inputs
Problem definition: Underutilization of organic wastage and scarcity of organic manure
Technology assessed: Assessment on Performance of different substrates for vermicompost production
Table:

Technology option	No. of trials	Yield component		Yield (q/pit)	Cost of cultivati (Rs. /ha)	Gr. return (Rs/ha)	Net return (Rs. /ha)	BC ratio
		NPK%	Conversion Period (days)					
FP	10	1.05,3.9,1.51	126	3.6	1680	5393	3720	3.21
TO_1		2.53,7.7,2.56	122	4.80	1695	7187	5505	4.24
TO_2		2.54,8.7,2.66	123	5.15	1780	7707.4	5945	4.33
TO_3		2.66,9.81,2.95	121	5.45	1800	8172	6375	4.54

OFT-4

i.	Season	:	Kharif, 2022
ii.	Title of the OFT	:	Assessment on Tractor Operated Seed drill for DSR (Direct seeded of rice)
iii.	Thematic Area	:	Farm Mechanization
iv.	Problem diagnosed	:	Random broadcasting of seed requires more time, more labour more seed rate
v.	Important Cause	:	Line sowing without beusening activity results less labour requirement with less time consuming.
vi.	Production system	:	Field Based
vii.	Micro farming system	:	Rainfed
viii.	Technology for Testing	:	Tractor operated Seed drill
ix.	Existing Practice	:	Random broadcasting followed by Beusening
x.	Hypothesis	:	Less labour and time required for land preparation as it will be done by Seed cum Fertilizer drill
xi.	Objective(s)	:	To assess the tractor operated Seed drill for DSR

xii.	Treatments:		
	Farmers Practice (FP)	:	Random broadcasting followed by Beusening
	Technology option-I (TO_1)	:	Tractor operated Seed drill with Zero tillage
	Technology option-II (TO_2)	:	Tractor operated Seed drill with Primary tillage
xiii.	Critical Inputs	:	Tractor operated Seed drill
xiv.	Unit Size	:	1ac.
xv.	No of Replications	:	10
xvi.	Unit Cost	:	2000
xvii.	Total Cost	:	20000
xviii.	Monitoring Indicator	:	Field capacity (ha/hr), Labour Requirement (MDs/ha) , Cost of operation (Rs/ha), Yield(q/ha), No of tillers, Seed rate(Kg), Weed count(No/m^2)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	CAET, OUAT, 2016

Thematic area*:* Farm Mechanization
Problem definition: Random broadcasting of seed requires more time, more labour requirement with more incidence of weed population.
Technology assessed: Assessment on Tractor Operated Seed cum Fertilizer drill for DSR (Direct seeded of rice)

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
		Field capacity (ha/hr.)	Labour Requirement (MDs/ha.)	Seed rate(Kg/ha.)						
FP	10	5.4	24	37.5	-	39.3	36880	59010	22129	1.6
TO_1		3.5	3	20.0	-	38.5	36556	66165	29610	1.81
TO_2		2.25	3	20.0	-	47.2	38664	73845	35183	1.91

OFT: 5

i.	Season	:	Rabi, 2022
ii.	Title of the OFT	:	Refinement on preparation of Suagarcane Jaggery
iii.	Thematic Area	:	Value addition
iv.	Problem diagnosed	:	Due to black in colour and poor quality of jaggery, fetching less market value and consumer acceptance.
v.	Important Cause	:	For better market value and consumer acceptance.
vi.	Production system	:	Cottage based
vii.	Micro farming system	:	Rainfed medium land
viii.	Technology for Testing	:	Vegetative clarificants with Sodium hydrosulphite (Hydros) to enhance the colour of jaggery.
ix.	Existing Practice	:	Farmers using chemical clarificants (Calcium hydroxide) for jiggery preparation
x.	Hypothesis	:	Vegetable extract results in good colour, better acceptance and better health condition..
xi.	Objective(s)	:	To assess preparation of Suagarcane Jaggery
xii.	Treatments:		
	Farmers Practice (FP)	:	Farmers using chemical clarificants (Calcium hydroxide) for jaggery in excess results in dark colour and poor market value.
	Technology option-I (TO_1)	:	500 ml. of ladies finger plant extract per 400 liters of cane juice In addition Sodium hydrosulphite (Hydros) @15g per 400lit
	Technology option-II (TO_2)	:	500 gm of groundnut paste per 400 liters of cane juice In addition Sodium hydrosulphite (Hydros) @15g per 400lit sugarcane juice
xiii.	Critical Inputs	:	ladies finger, groundnut, hydrous powder
xiv.	Unit Size	:	10 units
xv.	No of Replications	:	10
xvi.	Unit Cost	:	1025
xvii.	Total Cost	:	10250
xviii.	Monitoring Indicator	:	Quality of Jaggery (Colour), texture, keeping quality (Shelf life)
xix.	Source of Technology (ICAR/ AICRP/ SAU)	:	IISR, Lakhnow &CFTRI, Mysore

Thematic area:Value addition
Problem definition: Due to black in colour and poor quality of jaggery, fetching less market value and consumer acceptance
Technology assessed: Assessment on preparation of Sugarcane Jaggery

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
		Colour	Shelf life(month)	Shape						
FP	10	Black	8	Non Uniform	-	-	450	**900**	**510**	**2.00**
TO_1		Golden Brown	12	Round	-	-	452	1500	830	1.74
TO_2		Golden Brown	12	Round	-	-	475	580	805	1.63

OFT-6

1.	Title of On Farm Trial	**Assessment of influence of age of the spawn on the yield of paddy straw mushroom**
2.	Problem diagnosed	Low yield of Paddy straw mushroom due to influence of age of the spawn.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: 2% dry substrate weight 20 days age spawn, soaking of straw in 2% $CaCo_3$ and 150g red gram powder per 10 kg substrate TO-I: 2% dry substrate weight 12 days age spawn with soaking of straw in 2% $CaCo_3$ and 150g red gram powder per 10 kg substrate. TO-II: 2% dry substrate weight 15 days age spawn, soaking of straw in 2% $CaCo_3$ and 150g red gram powder per 10 kg substrate.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore-2012)
5.	Production system and thematic area	Homestead, Income Generation
6.	Performance of the Technology with performance indicators	Very Good; Days of 1st flush, Average fruit body weight, Yield (kg/bed), Cost of intervention, Net profit, B C ratio, Bio efficiency.
7.	Final recommendation for micro level situation	Use of 15 days old spawn provides higher Yield of Paddy straw mushroom than use of 20 days old spawn
8.	Constraints identified and feedback for research	1. The findings of the assessment is made for Kharif season. Hence to ascertain the

		findings it should be repeated. 2. Again, the assessment should be made for Rabi season also.
9.	Process of farmers participation and their reaction	Training, group meeting and they are showing interest in the technology.

Thematic area: Income Generation
Problem definition: Low yield of Paddy straw mushroom due to influence of age of the spawn
Technology assessed: Assessment of influence of age of the spawn on the yield of paddy straw mushroom

Table:

Technology option	No. of trials	Yield component			Colour of the fruit body	Yield (kg./bed)	Cost of cultivation (Rs./bed)	Gross return (Rs./bed)	Net return (Rs./bed)	BC ratio
		Bio efficiency (%)	Day of 1st flush	Average Fruit Body Weight (gm.)						
FP	10	10.5	11th	31	Dark Brown	1.05	80/-	168/-	88/-	2.1
TO_1		12.2	11th	31	Dark Brown	1.22	80/-	195/-	115/-	2.43
TO_2		12.9	11th	32	Dark Brown	1.29	80/-	206/-	126/-	2.57

Results: Use of 15 days old spawn provides higher Yield of Paddy straw mushroom than use of 20 days old spawn

OFT-7

1.	Title of On farm Trial	Assessment of cultivation of different marigold varieties for income generation through SHGs.
2.	Problem diagnosed	Non availability of fresh flowers in the market
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Non scientific cultivation of marigold with local varieties. TO-I: Cultivation of marigold(variety-Bidhan 2) TO-II: Cultivation of marigold (variety-Ceracola)
4.	Source of Technology (ICAR/ AICRP/SAU)	AICRP, Floriculture, OUAT, BBSR 2016-17
5.	Production system and thematic area	Homestead, Income Generation
6.	Performance of the Technology with performance indicators	Very Good; Flower diameter, No. of flowers per plant, Flower yield (q/ha) , Cost of intervention,, Net profit, B C ratio.
7.	Final recommendation for micro level situation	Performance of marigold (Bidhan-2) is better than the other two varieties of marigold
8.	Constraints identified and feedback for research	1. The farm women are facing marketing problem and depend mostly on local market due to lack of publicity.
9.	Process of farmers participation and their reaction	Training, group meeting and they are showing much interest in the technology.

Thematic area: Income Generation
Problem definition: Non availability of fresh flowers in the market
Technology assessed: Assessment of cultivation of different marigold varieties for income generation through SHGs.

Table:

Technology option	No. of trials	Yield component		Yield (qt./ha.)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of flowers per plant	Flower diameter (cm)					

FP	10	50	5.7	91.64	188300/-	274920/-	86620/-	1.46
TO_1		82	5.3	140.28	214700/-	420840/-	206140/-	1.96
TO_2		97	5.8	124.41	203950/-	373230/-	169280/-	1.83

OFT: 8

i.	Season	:	Rabi,2022
ii.	Title of the OFT	:	Assessment of suitable species in Biofloc technology
iii.	Thematic Area	:	Varietal Evaluation
iv.	Problem diagnosed	:	Less production from biofloc unit with IMC
v.	Important Cause	:	Sustainability of biofloc technology
vi.	Production system	:	Pond based system
vii.	Micro farming system	:	Small to medium tank
viii.	Technology for Testing	:	Biofloc
ix.	Existing Practice	:	Practice with IMC
x.	Hypothesis	:	The selected species were having feeding habit of omnivorous and detritus
xi.	Objective(s)	:	To get maximum production comparison to common carp
xii.	Treatments:		
	Farmers Practice (FP)	:	IMC
	Technology Option-I (TO_1)	:	Tilapia
	Technology Option-II (TO_2)	:	Amur carp
	Technology Option-I (TO_3)		Magur
	Technology Option-II (TO_4)		Fresh water prawn
xiii.	Critical Inputs	:	Fingerlings of species
xiv.	Unit Size	:	1 ac.
xv.	No of Replications	:	10
xvi.	Unit Cost	:	Rs. 1500
xvii.	Total Cost	:	Rs. 15,000
xviii.	Monitoring Indicator	:	Growth rate (%), Yield (q/ha)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	ICAR-CIBA, ICAR-CIFA

Thematic area: Varietal Evaluation

Problem definition: Less production from biofloc unit with IMC

Technology assessed: Assessment of suitable species in Biofloc technology

Table:

Technology option	No. of	Yield component		Maturity (%)	Yield (q/ha)	Cost of cultivation	Gross return	Net return	BC ratio
		Avg, length (cm)/6month	Avg. Body wt.						

	trials		(gm)/6months			(Rs./ha)	(Rs/ha)	(Rs./ha)	
FP	10	Continuing							
TO_1									
TO_2									

OFT: 9

i.	Season	:	Kharif, 2022
ii.	Title of the OFT	:	Assessment on Control of Argulus (Lice) in Fishes in carp polyculture
iii.	Thematic Area	:	Health Management
iv.	Problem diagnosed	:	Less production due to
v.	Important Cause	:	Fish mortality due to Argulosis in carp polyculture
vi.	Production system	:	Culture based system
vii.	Micro farming system	:	Pisciculture pond
viii.	Technology for Testing	:	Different Chemicals for control of Argulus in fish
ix.	Existing Practice	:	Application of lime 100kg/ha.
x.	Hypothesis	:	Control of crustacean ectoparasite
xi.	Objective(s)	:	Removal of Argulus from freshwater fish body as well as pond ecosystem
xii.	Treatments:		
	Farmers Practice. (FP)	:	Application of lime 100kg/ha.
	Technology Option-I (TO_1)	:	Cypermethrin 10% EC @ 0.01 ppm in water
	Technology Option-II (TO_2)	:	Deltamethrin 2.8% EC @ 0.02 ppm in water
	Technology Option-III(TO_3)	:	Ivermectin 2% w/w@ 250g/ 1 ton feed
xiii.	Critical Inputs	:	Chemicals for control of Argulus
xiv.	Unit Size	:	1 ac.
xv.	No of Replications	:	10
xvi.	Unit Cost	:	Rs. 1500
xvii.	Total Cost	:	Rs. 15,000
xviii.	Monitoring Indicator	:	Argulus Popuation / Fish, Fish Mortality (%), Argulosis Incidence (Day, Fish wt.(gm.), Yield (q/ha)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	ICAR-CIFA (2018), BENFISH (2018)

Thematic area: Health Management

Problem definition: Slow growth rate of Mrigal (Bottom feeder) affects the average yield in carp polyculture

Technology assessed: Assessment on control of Argulus (Lice) in Fishes in carp polyculture

Table:

Technology	No.	Yield component	Argulus	Yield	Cost of	Gross	Net	BC

option	of trials	Fish Mortality (%)	Plankton (ml/100l)	Avg. Body wt. (gm)	Population / Fish	(q/ha)	cultivation (Rs./ha)	return (Rs/ha)	return (Rs./ha)	ratio
FP	10	9	5	700	7	20.69	132825	248325	115500	2.15
TO_1	10	0	2	700	0	24.53	169155	294455	125300	2.35
TO_2	10	0	2	730	0	27.00	189000	324000	135000	2.40
TO_3	10	0	5	720	0	24.41	162750	292950	130200	2.25

OFT: 10

Season	:	Kharif 2022
Title of the OFT	:	Assessment of Technology Expansion in FPOs through Extension Workers
Thematic Area	:	Technology Expansion
Problem diagnosed	:	Low efficiency of Existing Rural Information Delivery system
Technology for Testing:	:	Technology expansion through Extension Workers
Hypothesis	:	Recommended technology will be expansion
Objective(s):	:	Facilitate access to modern technologies
Treatments:	:	
Farmers Practice (FP)	:	Traditional system of getting desired information
Technology Option (TO1)	:	Technology expansion through friends and neighbors
Technology Option (TO2)	:	Technology expansion through Extension Workers
Monitoring Indicator	:	Horizontal spread, Knowledge gain, Skill acquired, Adoptability, Cost of dissemination, Farmer's response
Source of Technology	:	OUAT 2019

Thematic area: Market led agriculture

Problem definition: Low bargain price of the commodity due to un-organised farmer groups

Technology assessed: Assessment of Technology Expansion in FPOs through Extension Workers

Aspects	TO1 (N=50)		TO4(N=32)	
	Mean Score	Gap(%)	Mean Score	Gap (%)
Social aspect	2.11	29.6	2.07	30.9
Technical Aspect	1.96	34.6	1.78	40.9
Marketing Aspect	2.13	28.8	1.88	37.2
Organizational Aspect	1.96	34.8	1.79	40.6

Results: To assess the performance of FPOS a structure schedule was developed to study the opinion of the member about the role of FPO in successful marketing of the produce. Different aspect were studies in relation of FPOsi.e social, technical, marketing and organisational. interview schedule was developed (3- point Likert Scale SA-Strongly Agree, PA- Partially Agree, NA- Not agree)and feed back was collected and anyalsed with the statistical tools. In TO1 max. gap were observed in organizational aspect where as in TO4 technical gap were maximum. In both the groups responded were satisfied about the marketing aspect of the FPOS. As TO1 is performs diversified activities emphasis should be more on strengthening of Organization whereas TO4 should focus more on providing technical advisory and guidance for higher profitability. Further Z-test was calculated. The calculated z value is greater than Z table value (level of significance 95%), hence the null hypothesis is rejected and there is significant difference between two FPOs regarding the perception of the respondents about performance of FPO in various aspects.

OFT: 11

1.	Title of On farm Trial	**To Assess the effectiveness of different models of pulse demonstration programmes**
2.	Problem diagnosed	Poor availability of quality High Yielding seeds of Pulses among farmers
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessment
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	--
5.	Production system and thematic area	Pulses-fallow & Rice-Pulses
6.	Performance of the Technology with performance indicators	To assess the effectiveness of different model of pulse production programme a structure schedule was developed to study the perception of beneficiaries about technology intervention. In TO1 : Highest gap is found on interventions in varietal selection & seed treatment and soil amelioration where as in TO2: gap was found on pest and disease management . Further Z test was calculated to analyse significant difference between the two models of demonstration programme. After data analysis it is found that there is no significant difference between the demonstration programme conducted by different organizations.
7.	Final recommendation for micro level situation	There is no difference in departmental and KVK demonstration programme.
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Farmers are satisfied with the extension services render by District. Department and KVK through demonstration programmes

Thematic area: Effectiveness of extension services
Problem definition: Poor availability of quality High Yielding seeds of Pulses among farmers
Technology assessed:
FP: Farmers generally use their own stored seed material for production purpose
TO1: Farmers are involved in minikit demonstration Programmes by agriculture department
TO2: Farmers are involved in cluster demonstration Programmes of KVK

Table:

Aspects	TO1 (N=30)		TO2(N=30)	
	Mean Score	Gap(%)	Mean Score	Gap (%)
Varietal selection and Seed treatment	1.51	24.58	1.77	11.67
Soil amelioration	1.51	24.58	1.67	16.67
Pest and disease management	1.55	22.5	1.56	22.08
Extension services	1.74	13.1	1.82	9.04

mean	*30.3*	*32.8*
Variance	*20.3*	*6.56*
Z calculated	*-1.46*	
Z tab	*1.95*	

The corresponding 'p' value in the table for Z= -1.46 is
P=0.07125>0.05

Results: To assess the effectiveness of different model of pulse production programme a structure schedule was developed to study the perception of beneficiaries about technology intervention. In TO1 : Highest gap is found on interventions in varietal selection & seed treatment and soil amelioration where as in TO2: gap was found on pest and disease management . Further Z test was calculated to analyse significant difference between the two models of demonstration programme. After data analysis it is found that there is no significant difference between the demonstration programme conducted by different organizations.

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year
Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Sweetcorn	IDM	**Demonstration on Management of Fall Army Worm in Sweet corn** Seed treatment with (cyantraniliprole 19.8+Thiamethoxam 19.8) FS @ 6 ml/kg of seed, Alternate Spraying of Spinetoram 11.7 SC @ 250 ml/ha and Bacillus thuringiensis @ 1kg/ha with 10-15 days interval.	1.0	1.0	2	-	-	-	8	-	10			
2	Rice	Varietal Intervention	**Demonstration on Bio-fortified rice (var. CR 311)** (CR 311(Mukul),Medium duration (120-125 days), semi-dwarf plant type (110 cm) with long bold grain and good cooking and eating quality)	1.0	1.0	1	-	1	-	8	-	10			

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Rice	Kharif	Irrigated medium land	Clay loam	254.25	38.02	223.5	Fallow	3rd week of July22	2nd week of November2022		
Sweetcorn	Rabi	Medium land	Sandy clay loam	253.1	36.7	219	Rice	3rd week December 2022	2nd week March2023		

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops:Nil

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

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

Pulses

Frontline demonstration on pulse crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Greengram	Integrated Disease Management	**Demonstration on Integrated Disease Management of Yellow Mosaic Virus (YMV) in greengram** Seed treatment with Imidacloprid 600 FS @ 5ml/kg of seed,Installation of Yellow Sticky trap @20/ha,Alternate Spraying of Diafenthiuron 50 WP @ 600 ml/ha and Neem oil @ 1lit/ha	10	0.6	5.16	3.14	64.33	21440	38700	17260	1.80	15240	23550	8310	1.54
	Total		10	0.6	5.16	3.14	64.33	21440	38700	17260	1.80	15240	23550	8310	1.54

* 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
Cauliflower	Soil Fertility Management	**Demonstration on Secondary Micro (Boron) nutrient for curd quality and higher yield in cauliflower** Application of STB R(NPK) + Boron@10 kg/ha as basal application and @0.1% Boron as foliar spray at curd initiation	10	1	207	184.5	30.52	-	-	47000	154160	107160	3.28	44000	138160	94160	3.14
Sugarcane	Varietal Intervention	**Demonstration on Sugarcane** Var: Kalinga 346	10	1ha	103.4	79	30.88	-	-	156000	280214	124214	1.79	131000	214090	83090	1.6
Brinjal	Production of organic inputs	**Demonstration on liquid Biofertiliser in Brinjal**	10	1ha	277	248	11.69	-	-	53000	126000	73000	2.61	51000	136500	85500	2.43

Brinjal	Disease Management	**Demonstration of Bacterial wilt Resistant Brinjal var. Swarna shyamali** Cultivation of Brinjal var. Swarna Shyamli(Fruits are medium sized with round shape (10-12 cm) and attractive green colour with white strip, resistant to bacterial wilt	10	0.52	295	256	14.8	Avg Fruit Weight (gm)-168	Avg Fruit Weight (gm)-115	126000	295000	169000	2.34	117000	256000	139000	2.18
Lemon grass	Cultivation o high value crops	**Demonstration of lemon grass** Cultivation of lemon grass under forest areas (slips are planted at a distance of 60*45cm)			300	--	--	Avg no.of tiller/clumps 52	--	82000	138000	56000	1.68	--	--	--	-

Finger millet	Income generation	**Demonstration on Finger Millet for SHGs** The variety having duration 126 days, yield potential 20.7q/ha, moderately resistance to leaf blast, neck blast, finger blast and brown seed.	10	01	18.5	8.6	120.23 %	No of tiller/plant-18 No of finger/tiller-6	No of tiller/plant-12 No of finger/tiller-4	31000	74000	43000	2.34	24500	34400	3400	1.4

Vegetables & fruits	Nutritional management	**Demonstration on Nutri- Kitchen Garden for Farm Women** Growing vegetables round the year covering leafy vegetables, Solanaceous vegetables, Roots and Tubers, cucurbits suiting to consumption pattern + Two Papaya Plants ,One Lemon, one drumstick and two Banana and floriculture in bunds	10	10 unit	537 kg/unit	166 kg/unit	223			2800/-	5370/-	2570/-	1.9/1-	1250/-	1660/-	410/-	1.3
planting material		**Demonstration on production of planting material through portray** Pro tray for planting material production	10	10 unit	-	-	-	Survibility 85	Survibility 60	132000	150000	100000	1.88	50000	28700	37200	1.74

		Total	70	4.52, 20units													

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	

Poultry	Income generation	**Demonstration on poultry bird Kadaknath in backyard system for farm women** Rearing of Kadaknath in backyard	10	10 units	Body weight at 4months-1.07kg	Body weight at 4months-0.840 kg	27.38	(i)Body weight at 1month(0.190kg), 2months(0.585kg), 4months(1.07kg) (ii)Age of laying-20th-21st week, (iii)Annual egg production-80 to 110, (iv)Morbidity rate during extreme heat condition-3%	(i)Body weight at 1month(0.165kg), 2months(0.475kg), 4months(0.840kg) (ii)Age of laying-20th-21st week, (iii)Annual egg production-80 to 110, (iv)Morbidity rate during extreme heat condition-3%	200	642	442	3.21	120	302	182	2.52
Rabbitry																		
Pigerry																		
Sheep and goat																		

Duckery																		
Others (pl.specify)																		
Total																		

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

Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	**BCR	Gross Cost	Gross Return	Net Return	**BCR
Common carps		**Demonstration of Amur Crap cultivation** Stocking ratio- Catla: Rohu: Mrigal: Amur carp: 30:40:10:20	10		20.5	18.3	12.02	**Avg. body wt. (gm.)** 1050/ 6 month	**Avg. body wt. (gm.)** 750/ 6 month	20.5	196475	331975	2.45	151875	264375	112500	2.35
Mussels																	

Freshwater Prawn	Varietal Performance	**Demonstration of Freshwater Prawn with Carp (Grass Carp)** Stocking of freshwater prawn PL-10,000 nos. with stunted fingerlings of Catla – 3000 nos., rohu-2000nos. grass carp-500nos. and per ha	10	10	22.4	18.3	22	820-Carp	50g-Prawn 1250(Grass carp)	129018	322547	1,90,400	2.9	110168	275421	1,42,500	2.5

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	Apiculture	**Demonstration of Scientific Apiculture Cultivation by SHG**. (Scientific management of Apis *Cerena Indica* (Honey extraction, colony division, swarming management, disease management)	06	06 units	6.2 kg/box	-	New colony formed/yr.-03	-	1200	4140	2940	3.45	-	-	-	-
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									
Tractor Drawn Ridger	Sugarcane	**Demonstration on tractor Drawn Sugarcane Ridger** Making furrows and ridges by using Tractor drawn sugarcane Ridger for sugarcane planting	10	1	90	40	125	2	7.5	5.5		900	3600	2700	
Ragi Thresher cum Pearler	Ragi	**Demonstration on Ragi Thresher cum Pearler** Electric operated ragi thresher cum pearler	10	10 units	90	5	17.0	2	10	8		750	2800	2050	

Combine Harvester	Rice	**Demonstration of Combine Harvester** Combine Harvester	10	10 units	50	20	150	1	20	19		2500	3500	1000	

* 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	Golden Cob	10	0.04	112.8	92.5	21.94	53490	135360	81870	2.53
Paddy										
Sorghum										
Wheat										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Pulses										
Green gram	Virat	10	1	5.16	3.14	26.75	21440	38700	17260	1.8
Black gram										

Bengal gram										
Red gram										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal	Swarna shyamali	10	0.52	295	256	14.8	126000	295000	169000	2.34
Okra										
Onion										
Potato										
Field bean										
Commercial crops										
Cotton										
Coconut										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1.	Vegetable Seedlings	Adopted by the farmers for the portable low cost bamboo structure with 100 micron polythene as cladding material resulted more germination percentage with better seedling growth in less time as compared to open field condition.
2.	Brinjal	Accepted adopted by the farmers for its longer keeping quality and higher yield with year round production.
3	Sweetcorn	Seed treatment with (cyantraniliprole 19.8+Thiamethoxam 19.8) FS @ 6 ml/kg of seed, Alternate Spraying of Spinetoram 11.7 SC @ 250 ml/ha and Bacillus thuringiensis @ 1kg/ha is suitable for Management of Fall Army Worm in Sweet corn
3.	Marigold	Ceracola variety of marigold perform better than the other variety
4.	Paddy Straw mushroom	More Research on alternate substrate for paddy straw mushroom.
5.	Lemon grass	This crop requires adequate irrigation show that the yield will be more by 6time crop cuttings instead of 4times in a year
6.	Carps	Improved rohu “Jayanti” should be replaced for normal Rohu to increase the production
7.	Finger millet	Yield potential of Arjun variety of finger millet is higher than the local variety
8.	Poultry	Kadaknath breed is lower in cholesterol(0.73-1.37%) ,rich in minerals like niacin, protein, fat, Ca, P, Fe and vit. like B1, B2, B6, C, E.
9.	Bee keeping	Bee keeping is a profitable enterprise.

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	02.08.2022	1	20	Field Day On Tractor Drawn Sugarcane Ridger
2.	Farmers Training	10.07.2022 30.09.2022 21.10.2022 27.10.2022 29.10.2022 11.11.2022 18.11.2022 19.11.2022 22.11.2022 29.12.2022 21.12.2022 12.12.2022 10.12.2022 09.12.2022	14	350	F/FW Training

3.	Media coverage	-	-	-	-
4.	Training for extension functionaries	22.11.2022 to 23.11.2022 06.12.2022 to 07.12.2022 13.12.2022 to 14.12.2022 20.12.2022 to 21.12.2022 27.12.2022 16.12.2022 to 17.12.2022	6	120	Training for extension functionaries

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

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Pigeon pea	Indigenous seeds (**Kandula**)	920	890	898	2000	PRG 176 Line sowing of seed with spacing 75cmx60cm. Seed treatment with Vitavax power (Carboxin 37.5% + Thiram 37.5% DS) @ 4gms per kg of seed Application of Pre	22	10	13.2	11.2	12.4	39.3	38.0	-61.2

							emergence herbicide pendimethalin @2.5lit per ha followed by two hand weeding after 21 DAS & 42 DAS to control weed population. Application of profeno+Cypermethrin @1lit/ha to control leaf webber.Spraying of Thiamethoxam 25%WG @ 6gm/15 lit of water to control aphid/thrip population. Spraying of planofix @ 4ml/15 lit of water at flower initiation stage.Application of Emmamectin Benzoate 5%SC (@ 4gml /10lit) to control pod borer infestation.								

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1.	Pigeon Pea (Var.PRG 176) Line sowing of seed with spacing 75cmx60cm. Seed treatment with Vitavax power (Carboxin 37.5% + Thiram 37.5% DS) @ 4gms per kg of seed. Application of Pre emergence herbicide pendimethalin @2.5lit per ha followed by two hand weeding after 21 DAS & 42 DAS to control weed population. Application of profeno+Cypermethrin @1lit/ha to control leaf webber. Spraying of Thiamethoxam 25%WG @ 6gm/15 lit of water to control aphid/thrip population. Spraying of planofix @ 4ml/15 lit of water at flower initiation stage and application of EmmamectinBenzoate 5%SC (@ 4gml /10lit) to control pod borer infestation.	22800	46000	23200	2.01	28100	62000	33900	2.2

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtain	Produce sold (Kg/household)	Selling Rate (Rs/K	Produce used for	Produce distributed to other	Purpose for which income	Employment Generated (Mandays/house hold)

		ed (kg)		g)	own sowing (Kg)	farmers (Kg)	gained was utilized	
1.	Pigeon Pea (Var.PRG 176) Line sowing of seed with spacing 75cmx60cm. Seed treatment with Vitavax power (Carboxin 37.5% + Thiram 37.5% DS) @ 4gms per kg of seed. Application of Pre emergence herbicide pendimethalin @2.5lit per ha followed by two hand weeding after 21 DAS & 42 DAS to control weed population. Application of profeno+Cypermethrin @1lit/ha to control leaf webber. Spraying of Thiamethoxam 25%WG @ 6gm/15 lit of water to control aphid/thrip population. Spraying of planofix @ 4ml/15 lit of water at flower initiation stage	1280	860	50	20	400	Purchase of critical inputs for farm activities and household expenses	38

	and application of Emmamectin Benzoate 5%SC (@ 4gml /10lit) to control pod borer infestation.							

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1.	**Method demonstration** on Seed treatment (Carboxin 37.5% + Thiram 37.5% DS) @ 4gms per kg of seed) and line sowing **Weed management**: Pre emergence herbicide pendimethalin @2.5lit per ha **Disease Pest management**: Application of profeno+Cypermethrin @1lit/ha to control leaf webber. Thiamethoxam 25%WG @ 6gm/15 lit of water to control aphid/thrip population. Emmamectin	Recommended variety and pest management practices is suitable to the farming system	Optimum plant population per unit area, more no of pod per plant and less incidence of fusarium wilt during pod development stage	Seed treatment, line sowing, weed management and control of aphid infestation practices	No such cases have been recorded	Yes, the technology and recommended variety is acceptable by the villagers/beneficiaries	--

	Benzoate 5%SC (@ 4gml /10lit) to control pod borer infestation. **Spraying of plant Hormone**: Application of planofix @ 4ml/15 lit of water at flower initiation stage.						

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
High yielding variety (q/ha)	12.4	9.20	Pigeon pea PRG-176 is liked by the farmers due to its higher productivity, vigorous crop growth and moreover tolerant to fusarium wilt.
Avg. No. of Pod/Plant	82	65	
100 seed weight (gm)	9.11	7.80	

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmers attended
1.	Diagnostic field visit	04.08.2022, Kendupalli, Gania	25
2.	Training on Scientific cultivation practices	01.10.2022, Kendupalli, Gania	50
3.	Biometric observation and field inspection at vegetative stage	01.10.2022, Kendupalli, Gania	22
4.	Method demonstration on application of plant hormone and record data on pest population	19.11.2022, Kendupalli, Gania	33
5.	Field monitoring at pod development stage	15.12.2022, Kendupalli, Gania	10
6.	Data collection on yield related parameters	28.12.2022, Kendupalli, Gania	12

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

<table>
<tr><td>  </td><td>  </td></tr>
<tr><td>Seed treatment</td><td>Seed sowing</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td colspan="2">Main crop in the field</td></tr>
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H. Farmers' training photographs

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

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<tr><td>  </td><td>  </td></tr>
<tr><td colspan="2">Field visit</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td colspan="2">Field Day</td></tr>
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J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Pigeon pea	i) Critical input	82000	80570	--
	ii) TA/DA/POL etc. for monitoring	3000	1922	--
	iii) Extension Activities (Field day)	2500	1875	--
	iv)Publication of literature	2500	5029 (Contingency, publication and audit charges)	--
	Total	**90000**	**89396**	**604**

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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
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)													

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
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													

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
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													

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

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													
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	1	17	1	20	0	0	0	1	1	2	18	2	20
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping	1	2	18	0	0	0	0	0	0	0	2	18	20
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition	3	20	30	50	1	1	2	5	3	8	26	34	60
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													

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
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	1	12	8	20	0	0	0	0	0	0	12	8	20
Others	3	35	22	57	0	1	1	1	1	2	36	24	60
Total	**9**	**86**	**79**	**167**	**1**	**2**	**3**	**7**	**5**	**12**	**94**	**86**	**180**

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													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													

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
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													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total (a)													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management	2	36	12	48	1	0	1	0	0	0	37	13	50
Integrated water management													
Integrated Nutrient Management	2	22	21	43	1	3	4	2	1	3	25	25	50
Production and use of organic inputs	3	50	25	75	0	0	0	0	0	0	50	25	75
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency	1	25	0	25	0	0	0	0	0	0	25	0	25
Balance Use of fertilizer													
Soil & water testing													
others													
Total	8	133	58	191	2	3	5	2	1	3	137	63	200
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	1	-	17	17	-	8	8	-	-	-	-	25	25
Design and development of low/minimum cost diet	1	-	3	3	-	22	22	-	-	-	-	25	25
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss													

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
in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition	1	-	17	17	-	8	8	-	-	-	-	25	25
Women empowerment	1	-	8	8	-	14	14	-	3	3	-	25	25
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others	4	35	25	60	20	8	28	11	1	2	66	34	100
Total	**8**	**35**	**70**	**105**	**20**	**60**	**80**	**11**	**4**	**5**	**66**	**134**	**200**
VI. Agril. Engineering													
Farm machinery & its maintenance	1	18	7	25	-	-	-	-	-	-	18	7	25
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices	1	-	25	25	-	-	-	-	-	-	-	25	25
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition	6	60	48	108	15	10	25	12	5	17	87	63	150
Post Harvest Technology													
Others													
Total	**8**	**78**	**80**	**158**	**15**	**10**	**25**	**12**	**5**	**17**	**105**	**95**	**200**
VII. Plant Protection													
Integrated Pest Management	1	08	6	14	1	-	11	4	-	-	19	6	25
Integrated Disease Management	1	12	4	16	3	0	0	6	0	0	21	4	25
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	**2**	**26**	**8**	**31**	**14**	**11**	**0**	**11**	**0**	**0**	**25**	**19**	**50**
VIII. Fisheries													
Integrated fish farming	2	47	3	50	0	0	0	0	0	0	47	3	50
Carp breeding and hatchery management													
Carp fry and fingerling rearing	2	47	3	50	0	0	0	0	0	0	47	3	50

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Composite fish culture	1	08	6	14	1	-	11	4	-	-	19	6	25
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	1	-	25	25	-	-	-	-	-	-	-	25	25
Total	**6**	**102**	**37**	**139**	**11**	**0**	**11**	**0**	**0**	**0**	**113**	**37**	**150**
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	2	47	3	50	0	0	0	0	0	0	47	3	50
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital	1	23	0	23	2	0	2	0	0	0	25	0	25
Entrepreneurial development of farmers/youths													
WTO and IPR issues	4	96	0	96	4	0	4	0	0	0	100	0	100
Others													
Total	**7**	**166**	**3**	**169**	**6**	**0**	**6**	**0**	**0**	**0**	**172**	**3**	**175**

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
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**39**	**540**	**256**	**793**	**68**	**84**	**127**	**36**	**10**	**25**	**618**	**351**	**975**

E) RURAL YOUTH (Off Campus)

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

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
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	1	17	3	20	0	0	0	0	0	0	17	3	20
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements	1	20	-	20	-	-	-	-	-	-	20	-	20
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													

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
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application	1	5	12	17	0	3	3	0	0	0	5	15	20
Management in farm animals													
Livestock feed and fodder production	1	-	18	18	-	2	2	-	-	-	-	20	20
Household food security	1	-	15	15	-	5	5	-	-	-	-	20	20
Other	1	-	15	15	-	5	5	-	-	-	-	20	20
Total	**6**	**42**	**63**	**105**	**0**	**15**	**15**	**0**	**0**	**0**	**42**	**78**	**120**

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													
Off-season vegetables													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total (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	2	36	12	48	1	0	1	0	0	0	37	13	50
Integrated water management													
Integrated Nutrient Management	2	22	21	43	1	3	4	2	1	3	25	25	50
Production and use of organic inputs	3	50	25	75	0	0	0	0	0	0	50	25	75
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency	1	25	0	25	0	0	0	0	0	0	25	0	25
Balance Use of fertilizer													
Soil & water testing													
others													
Total	8	133	58	191	2	3	5	2	1	3	137	63	200
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	1	-	17	17	-	8	8	-	-	-	-	25	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Design and development of low/minimum cost diet	1	-	3	3	-	22	22	-	-	-	-	25	25
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	1	-	17	17	-	8	8	-	-	-	-	25	25
Women empowerment	1	-	8	8	-	14	14	-	3	3	-	25	25
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others	4	35	25	60	20	8	28	11	1	2	66	34	100
Total	**8**	**35**	**70**	**105**	**20**	**60**	**80**	**11**	**4**	**5**	**66**	**134**	**200**
VI. Agril. Engineering													
Farm machinery & its maintenance	1	18	7	25	-	-	-	-	-	-	18	7	25
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices	1	-	25	25	-	-	-	-	-	-	-	25	25
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition	6	60	48	108	15	10	25	12	5	17	87	63	150
Post Harvest Technology													
Others													
Total	**8**	**78**	**80**	**158**	**15**	**10**	**25**	**12**	**5**	**17**	**105**	**95**	**200**
VII. Plant Protection	1	1	08	06	14	11	0	11	0	0	0	19	25
Integrated Pest Management	1	25	0	25	0	0	0	0	0	0	25	0	25
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	**2**	**26**	**8**	**31**	**14**	**11**	**0**	**11**	**0**	**0**	**25**	**19**	**50**

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
VIII. Fisheries													
Integrated fish farming	2	47	3	50	0	0	0	0	0	0	47	3	50
Carp breeding and hatchery management	2	47	3	50	0	0	0	0	0	0	47	3	50
Carp fry and fingerling rearing	1	08	06	14	11	-	11	-	-	-	19	6	25
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	1	-	25	25	-	-	-	-	-	-	-	25	25
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total	**6**	**102**	**37**	**139**	**11**	**0**	**11**	**0**	**0**	**0**	**113**	**37**	**150**
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	2	47	3	50	0	0	0	0	0	0	47	3	50
Group dynamics													
Formation and Management of SHGs													

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
Mobilization of social capital	1	23	0	23	2	0	2	0	0	0	25	0	25
Entrepreneurial development of farmers/youths													
WTO and IPR issues	4	96	0	96	4	0	4	0	0	0	100	0	100
Others													
Total	**7**	**166**	**3**	**169**	**6**	**0**	**6**	**0**	**0**	**0**	**172**	**3**	**175**
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**39**	**540**	**256**	**793**	**68**	**84**	**127**	**36**	**10**	**25**	**618**	**351**	**975**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops	1	17	1	20	0	0	0	1	1	2	18	2	20
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping	1	2	18	0	0	0	0	0	0	0	2	18	20
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition	3	20	30	50	1	1	2	5	3	8	26	34	60
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													

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
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	1	12	8	20	0	0	0	0	0	0	12	8	20
Others	3	35	22	57	0	1	1	1	1	2	36	24	60
Total	**9**	**86**	**79**	**167**	**1**	**2**	**3**	**7**	**5**	**12**	**94**	**86**	**180**

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	1	17	3	20	0	0	0	0	0	0	17	3	20
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements	1	20	-	20	-	-	-	-	-	-	20	-	20

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	1	5	12	17	0	3	3	0	0	0	5	15	20
Management in farm animals	1	0	0	0	-	5	5	0	0	0	0	20	20
Livestock feed and fodder production													
Household food security	1	0	18	18	0	2	2	0	0	0	0	20	20
Other	1	0	15	15	0	5	5	0	0	0	0	20	20
Total	**6**	**42**	**63**	**105**	**0**	**15**	**15**	**0**	**0**	**0**	**42**	**78**	**120**

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
Plant Protection	F/FW	Integrated Disease management of Yellow Mosaic Virus (YMV) in greengram	1	Off	19	6	25	3	0	3
		Integrated Pest Management of Fall Army Worm in Sweet corn	1	Off	25	0	25	0	0	0
	RY	Newer vistas of integrated pest management in protected cultivation	2	On	18	2	20	1	0	1
	Extension Functionaries	Bio-rational Pest management in Agriculture	2	Off	17	3	20	0	0	0
Soil Science	F/FW	Brown manuring in medium land paddy	1	Off	18	7	25	7	5	12
		Role of Zinc in rice	1	Off	25	0	25	2	0	2
		Fertilizer management in sweet patato	1	Off	24	1	25	2	0	2

		Cultivation								
		Integrated Nutrient Management for Sugarcane Production	1	Off	10	15	25	2	4	6
		Integrated Nutrient Management in Cole Crops	1	Off	25	0	25	4	0	4
		Use of nano zinc in cereal crops	1	Off	18	7	25	7	5	12
		Fertilizer management in sweet corn Cultivation	1	Off	22	3	25	4	1	5
		Role of Bio-fertilizer in Brinjal cultivation	1	Off	18	7	25	7	5	12
	RY	Preparation of gibamruta as organic fertilizer	2	On	20	0	20	0	0	20
		Preparation of vermiwash as liquid fertilizer	2	On	18	2	20	0	0	20
	Extension Functionaries	Micronutrient Management in cereal crops	2	Off	20	0	20	0	0	20
Agril. Engg.	F/FW	Water conservation through mulching in vegetable crop	1	Off	25	0	25	4	0	4
		Preparation of quality sugarcane Jaggery.	1	Off	3	22	25	0	6	6
		Use of tractor drawn seed cum fertilizer drill for DSR	1	Off	11	14	25	5	5	10
		Use of Ridger for sugarcane cultivation	1	Off	5	20	25	0	2	2
		Mechanized threshing of pulses	1	Off	15	10	25	0	0	0
		Use of combine harvester for paddy harvesting	1	Off	15	10	25	6	0	6
		Production of planting material through portray	1	Off	25	0	25	8	0	8
		Operation & Maintenance of harvesting implements for paddy cultivation	1	Off	3	22	25	0	6	6
	RY	Different management techniques for soil and water conservation	2	On	18	2	20	1	1	2
		Value addition of	2	On	8	12	20	2	1	3

		finger millet								
	Extension Functionaries	Use and Maintenance of Tractor	2	Off	20	0	20	1	1	2
Home Science	F/FW	Paddy straw mushroom cultivation using spawn of different age	1	Off	0	25	25	1	0	1
		Design and development of low/minimum cost diet	1	Off	0	25	25	1	1	2
		Household food security by kitchen gardening and nutrition gardening	1	Off	0	25	25	2	1	3
		Scientific technique of Finger millet cultivation	1	Off	0	25	25	5	4	9
		Scientific Beekeeping	1	Off	0	25	25	2	1	3
		Rearing of poultry bird in backyard	1	Off	0	25	25	4	5	9
		Scientific technique of marigold cultivation	1	Off	0	25	25	0	0	0
		Scientific method of vermicomposting from spent mushroom substrates	1	Off	0	25	25	0	0	0
	RY	Value addition of fruits and vegetables	2	On	0	20	20	1	2	3
		Value addition of mushroom	2	On	0	20	20	0	1	1
	Extension Functionaries	Enhancement of ragi to combat malnutrition	2	Off	1	19	20	0	0	0
Fishery Science	F/FW	Bio-floc fish farming	1	Off	17	3	20	2	1	3
		Amur carp in polyculture system	1	Off	16	4	20	1	1	2
		Integrated fish farming	1	Off	12	8	20	0	1	1
		Fish diseases and its management	1	Off	15	5	20	1	0	1
		Pond based farming system	1	Off	13	7	20	1	1	1
		Control of Argulosis	1	Off	20	0	0	0	0	0
	RY	Fish seed production	2	On	20	0	20	1	1	2
	Extension Functionaries	Sustainable Aquaculture	1	On	18	2	20	0	1	1
Agril.	F/FW	Paradigm shift from	1	Off	15	8	25	1	1	2

Extension		production led extension to market-led extension								
		Promotion of organic farming for sustainable agriculture	1	Off	16	9	25	0	0	0
		Market led agricultural extension: concept, prospects and challenges	1	Off	17	8	25	0	1	1
		Sensitizing rural women for carrying out farm operation in scientific way	1	Off	13	12	25	1	1	2
		Stake of vegetable crops in improving farmers access to market	1	Off	0	25	25	0	1	1
		Climate resilient pulse production	1	Off	19	6	25	1	0	1
		Various roles for mobiles in Agriculture	1	Off	18	7	25	0	0	0
	RY	Production of quality marketable produce through adoption of integrated farming systems	2	On	16	4	20	1	1	2
	Extension Functionaries	Management of Information System	2	Off	18	2	20	0	1	1

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	
Cerea	Less	Inte	5	15	5	20	-	-	-	-

l crops	knowledge in nutrient management	grated nitrient management in cereal crops								
Mushroom spawn	Less knowledge in Spawn production	Scientific method of Mushroom spawn production	5	0	20	20	-	-	-	-

*training title should specify the major technology /skill transferred

b) Details of participation

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Crop production and management													
Commercial floriculture													
Commercial fruit production													
Commercial vegetable production													
Integrated crop management													
Organic farming													
Other													
Total													

Post harvest technology and value addition													
Value addition													
Other													
Total													
Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting													
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery & imlements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation	1	0	20	20	0	0	0	0	0	0	0	20	20
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para-vet training													
Other	1	14	4	18	1	1	2	0	0	0	15	5	20
Total													

Agricultural Extension													
Capacity building and group dynamics													
Other													
Total													
Grand Total	2	14	24	38	1	1	2	0	0	0	15	25	40

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	5	75	25	100	10	3	4	7	78	29	336
Kisan Mela	5	575	425	1000	20	5	3	8	578	428	3047
Kisan Ghosthi	0	0	0	0	-						0
Exhibition	2	68	32	100	10	100	50	150	168	82	762
Film Show	0	0	0	0							0
Method Demonstrations	10	188	12	200	10	10	12	22	198	24	686
Farmers Seminar	1	35	15	50	25	8	15	23	43	30	245
Workshop	3	330	120	850	25	11	09	341	129	29	997
Group meetings	5	75	25	100	10	17	8	25	92	33	850
Lectures delivered as resource persons	175	4200	8000	5000	20	9	11	20	4209	8011	390
Advisory Services	96	3800	1200	5000	23	20000	5300	25300	9100	6500	29655
Scientific visit to farmers field	238	380	370	750	21	45	10	55	425	380	76319
Farmers visit to KVK	14	4250	2989	7239	31	3	6	653	303	956	2674
Diagnostic visits	120	5050	3492	8542	36	12	8	20	5062	3500	16444
Exposure visits	12	175	75	250	12	15	18	33	190	93	25842
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0	873
Soil health	0	0	0	0	0	0	0	0	0	0	0

Camp											
Animal Health Camp	0	0	0	0	0	4	7	23	24	47	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	105
Soil test campaigns	1	15	10	25	10	10	11	21	26	31	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	160
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Celebration of important days (specify)	11	3500	1500	5000	20	24	46	186	230	416	0
Sankalp Se Siddhi	0	0	0	0	0	0	0	0	0	0	10933
Swatchta Hi Sewa	5	78	72	150	20	0	2	12	0	12	0
Mahila Kisan Divas	1	0	50	50	10	10	12	22	10	60	351
Any Other (Specify)											225
Total	704	22794	18412	34406	313	20286	5532	26921	20865	20661	170894

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	6
Radio talks	12
TV talks	0
Popular articles	2
Extension Literature	4
Book/ Booklet	5
Leaflets	1
Poster/Flex	7

3.5 a. Production and supply of Technological products

Village seed

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in	Number of farmers to whom seed provided

				village seed production									
					SC		ST		Other		Total		
					M	F	M	F	M	F	M	F	
Total													

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Rice	Mrunalini	43.6	78480	2	1	0	0	15	2	17	3
Ragi	Arjun	2.5	7500	25	5	25	5	40	0	90	10
Grand Total		46.1	85980	27	6	25	5	55	2	107	13

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	Dhawal	1027	2567.5	39	48	117	204	39	48	117	204
Brocoli		424	1060	12	18	105	135	12	18	105	135
Tomato	Arka Rashkhyak	19483	48707.5	25	28	136	189	25	28	136	189
Brinjal	Swarna shyamali	15816	39540	4	7	13	24	4	7	13	24
Chilli	VNR 108	2780	6950	19	25	119	163	19	25	119	163
Onion			0								
Others	Ceracola	11460	28650	17	25	55	97	17	25	55	97
Fruits											
Mango											
Guava											
Lime											
Papaya	Red lady	679	16975	12	18	105	135	12	18	105	135
Banana											
Others	PKM1	817	12255	25	28	136	189	25	28	136	189
Ornamental plants											
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											

Others, pl. specify											
Total		52486	156705	153	197	786	1136	153	197	786	1136

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers										
Bio-pesticide										
Bio-fungicide	10.55	158.25	17	25	55	97	17	25	55	97
Bio-agents										
Others, please specify.										
Total	10.55	158.25	17	25	55	97	17	25	55	97

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Dairy animals											
Cows											
Buffaloes											
Calves											
Others (Pl. specify)											
Small ruminants											
Sheep											
Goat											
Other, please specify											
Poultry											
Broilers											
Layers											
Duals (broiler and layer)	Banaraja	1280	89600	5	6	0	0	17	0	22	6
Japanese Quail	Aseel	1331	93170	8	2	4	0	12	0	24	2
Turkey	Palishree	359	25130	5	3	2	0	6	0	13	3
Emu	Kadaknath	535	35300	16	4	4	2	18	0	38	6
Ducks											
Others (Pl. specify)											
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings	Amur carp,	56000	1,12,000	25	-	50	-	100	15	175	15

	Grass carp, Jayanti Rohu										
Spawn											
Others (Pl. specify)											
Grand Total		59505	355200	59	15	60	2	153	15	272	32

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

i) Name of Seed Hub Centre:

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

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production (q)	Category of Seed (F/S, C/S)
Kharif 2022	Rice	Mrunalini	1	1	43.6	F/S
	Ragi	Arjun	0.04	0.04	2.5	T/L
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		2.78715	-	Rs. 0.50000 lakhs profit deposited to DEE, OUAT
2020-21		13.2671	1.77808	Rs. 3.00 lakhs profit deposited to DEE, OUAT
2021-22		4.27037	2.86229	
2022-23	16.00	5.24369	1.59318	Rs. 4.00 lakhs profit deposited to DEE, OUAT

iv) Infrastructure Development

Item	Progress
Boundary wall	Work in progress
Advisory center under ARYA project	
Strengthening nursey pond under ARYA project	

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

Item	Title	Author's name	Number	Circulation
Research paper				
Seminar/conference/ symposia papers				
Booklets	Vegetable Nursery Raising, Nursery raising, Fish Fingerlings production, Backyard poultry rearing, Mushroom production	Dr. A.K Swain Mrs. G. Subudhi Dr. (Ms.) M.Jena Er. (Mrs.) S. Dwivedy, Mr P.K prusti,A. Samantray	200	5000
Bulletins				
News letter	Sabuja Swarna	All staff	4	2000
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature				
Technical reports	Annual progress Report & Annual Action Plan	All staff	5	5
Electronic Publication (CD/DVD etc.)	Fish fingerlings production, backyard poultry rearing, mushroom production	Dr. A.K Swain Mrs. G. Subudhi Dr. (Ms.) M.Jena Er. (Mrs.) S. Dwivedy		
TOTAL			209	7005

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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Training program	Conference on Promotion of Kisan Drones	Er. Suchismita Dwivedy	2nd May 2022 (1 day)	NASC Complex, New Delhi
2.	Training program	Refresher Training of Scientist (Ag. Extension)	Dr Madhumita Jena	8-9th September, 2022 (2 days)	DEE, OUAT, BBSR
3.	Training program	Training cum Launching workshop on Arka Microbial Consortium	Er. Suchismita Dwivedy	13th Sep, 2022 (1 day)	ICAR-CHES, BBSR
4.	Training program	Training for Master Trainers on FPO management	Dr Madhumita Jena	19-21ST Dec, 2022 (6 days)	DEE, OUAT, BBSR
5.	Training program	Skill development on short video production	Dr Madhumita Jena	15-17th Dec 2022(3 days)	DEE, OUAT, BBSR
6.	Training programe	Integrated Pest management of Horticultural crops	Mr Pramod Kumar Prusti	16-18th January 2023(3 days)	DEE, OUAT, BBSR
7.	Winter School	Advance applications of remote sensing and GIS in natural resources management	Er. Suchismita Dwivedy	24th January – 13th February, 2023(21 days)	GIS Center, CAET, OUAT, BBSR
8	Training program	Plant protection techniques for plant health management	Mr Pramod kumar Prusti	02-22nd Dec-2022(21 days)	NIPHM, Hyderabad
9	Training program	Training on Drone Technology	Mr Pramod kumar Prusti and Er. Suchismita Dwivedy	23–25th March 2023(3 days)	DEE, OUAT, BBSR
10	Training program	Refresher Trg.-cum-exposure visit	Dr Madhumita Jena	27-28th March 2023(2 days)	DEE, OUAT, BBSR

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

Name of farmer	Mrs. Jigisa Samantaray
Address	At- Patulisahi, Block- Odogaon, Dist-Nayagarh
Contact details (Phone, mobile, email Id)	

Landholding (in ha.)	2
Name and description of the farm/ enterprise	Backyard Poultry rearing
Economic impact	Rs3.0 lakh/annum
Social impact	Now she is maintaining a good social life and she has planned for another establishing a cool chamber for storage of mushroom.
Environmental impact	Poultry litters can be used as manuring in different crops
Horizontal/ Vertical spread	31%
Good quality photographs (2-3)	
	

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

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

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

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Paddy	Use of rotten snail for gandhibhog	Less costly eco-friendly
2	Paddy	Alley cropping for BPH management	Low cost technology
3	Greengram	Use of colourful pots for pestmanagement	Low cost technology

b. Give details of organic farming practiced by the farmer

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

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed

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

Sl. No	Name of the Equipment	Qty.
1	Mridaparikshak (Soil testing kit)	3
2	Flame photometer	1
3	Visible Spectrophotometer	1
4	Double distillation unit with distillation apparatus	1
5	Rotary Shaker	1
6	N-analyzer	1
7	Soil moisture meter	1
8	PH, EC, TDS combined meter	1
9	Magnetic stirrer with hot plate	1
10	Precision analytical balance	1
11	Electronic micro-processor with scrubber	1
12	Hydrometer Boycos (Hot plate rectangular)	1
13	Soil sample collection Agar	1
14	Digital Balance	1

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			
-	292	292	485	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.	World Soil Day	30	-	-	10	10

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

Training on Jal Shakti Abhiyan	1	150	35	Yes
Farmers fair cum Awareness program	1	200	170	Yes

3.13. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Awareness campaign on bio-control of pests	2	100	Tricho card in Sugarcane
Farmers-scientists interaction	2	200	
Exhibition	1	100	
Film show			
Soil health Awareness campaign	0	0	
Road show	0	0	
Diagnostic pactical's			
Distribution of Literature (No.)	1	100	
Distribution of Seed (q)			
Distribution of Planting materials (No.)	2	565	Papaya, chilly, tomato, cabbage
Bio Product distribution (Kg)			Vermicompst
Bio Fertilizers (q)	-	-	
Distribution of fingerlings (No)			
Animal health camp	1	50	
Total number of farmers visited the technology week	0	530	

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

No of student trained	No of days stayed
25	No

ARS trainees trained	No of days stayed
Nil	Nil

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

Date	Name of the person	Purpose of visit
12.07.2022	Central Nodal Officer	Jal Shakti Abhiyan
13.09.2022	Prof. P.J Mishra, Dean, DEE, OUAT,BBSR	Review of KVK activities
15.10.2022	Dr. S.K Roy, Director, ICAR-ATARI, Kolkata	Visit to KVK
20.01.2023	Prof. Bansidhar Pradhan, HOD, Dept. of Plant breeding and Genetics, Dr. A Khuntia, JDE, DEE, OUAT, Bhubaneswar	Visit to KVK
16.01.2023	Dr. M.P Nayak, JDE, DEE, OUAT	Review of KVK activities and attended SAC Meeting
10.02.2023	Sj. R.Sahoo, Collector & DM, Nayagarh	Visit to KVK
03.06.2022	Prof. M. Mishra, Dean of Research, OUAT and Prof. S.K Dash, Dean, CAET, OUAT	Visit to KVK
23.03.2023	Dr. H.K Sahoo, DDE, DEE, OUAT	District Level Workshop of Resilience Project

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)
Fish Fingerlings Production	20	38%	152600	586745
Backyard poultry rearing	20	25%	98000	325000
Mushroom Production	20	48%	12000	480000

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread
Bacterial wilt resistant brinjal variety Swarna shyamali	38%
Triple resistant Tomato variety Arka rshakhyak	49%
Intercropping in polyculture	47%

Give information in the same format as in case studies

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

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms
1	Demonstration on Finger Millet for SHGs	Good income generating activity for rural farm women	Nutri-cereal crop
2	Demonstration of Scientific Apiculture Cultivation by SHG	Scientific management of Apis *Cerena Indica* (Honey extraction, colony division, swarming management, disease management	Good market value
3	Demonstration on poultry bird Kadaknath in backyard system for farm women	The new breed seeks attention of farmers due to fast body growth, low cholesterol content, high iron content and good market value.	Body weight in 4 month is 1.05kg
4	Demonstration on production of planting material through portray	Less mortality of seedlings and get rid of damping off situation	Good market value
5	Demonstration on Polyculture of Prawn with carp	Good income generating activity for fish farmers	Good market value

4.4. Details of innovations recorded by the KVK

Thematic area	Farm Mechanization
Name of the Innovation	Row maker cum ridger
Details of Innovator	The innovator is basically a progressive farmer of the district. He owns about 5ha of cultivatable land. He cultivates paddy, pulses and vegetables.
Back ground of innovation	He got the technical support from KVK scientist as well as the line department to modify the thresher to use for multipurpose like winnowing. The machine is manually operated one.
Technology details	The ridger is an implement can use for making ridges and furrows with spacing od 25-30 cm for vegetable planting.
Practical utility of innovation	The implement saves time as well as labour as compared to manually with less drudgery.

Thematic area	Farm Mechanization
Name of the Innovation	Power weeder cum cultivator
Details of Innovator	The innovator is basically a progressive innovative farmer of the district. He owns about7 ha of cultivatable land. He cultivates paddy, pulses, maize, groundnut and vegetables.
Back ground of innovation	He got the technical support from KVK scientist as well as the line department to develop the multi-use machine .
Technology details	The implement can use in vegetable cultivation with soil moisture of 30%
Practical utility of innovation	Such type of arrangement can help the people to do work easily with less time.

4.5. Details of entrepreneurship development

Name of farmer	**Sri Sushant kumar Samantray**
Age	34
Aadhaar No	-
Address	C/o- Kailash Chandra Samantaray, At- Khedapada, Block-Nayagarh, Dist-Nayagarh
Contact details (Phone, mobile, email)	70080240431
Landholding (in ha.)	3 acre
Education	+2
Family member	2nos
House hold income (before ARYA)	Rs. 1.0lakhs /annum
Training received from KVK	Yes
ARYA interventions taken	Training, Exposure visit, Start-Up Incentive of Rs. 5,000/-
Present Production	98,000 no of stunted fingerling/ annum from 1.0 acre pond
Marketing linkage developed	Local market selling
Labour involved	1 no
Cost of cultivation	Rs. 1,05,200/-
Average net income after intervention per month	Rs. 50,000/-
Social and Environmental impact	Now he is maintaining a good social life and he has excavated another 2 acre of pond for fish and fingerlings production.
Horizontal/Vertical spread	14%
Name of farmer	Mrs. Madhusmita Parida
Age	29
Aadhaar No	492961457981
Address	C/o- Kabiraj Parida,At- Khedapada, GP- Balugaon , Bl/ Dist- Nayagarh
Contact details (Phone, mobile, email Id)	9074742006
Landholding (in ha.)	1.0 ac
Education	10th
Family member	3nos
House hold income (before ARYA)	1.0lakhs /annum
Training received from KVK	Yes
ARYA interventions taken	Training, Exposure visit, Start-Up Incentive of Rs. 5,000/-
Present Production	68,000/- to 78,000 per 20 days income from mushroom production.
Marketing linkage developed	Local market selling
Labour involved	2 no
Cost of cultivation	1.5/- lakh /annum
Average net income after intervention per month	12,500/-
Social and Environmental impact	Now she is maintaining a good social life and she has planned for another 100-150 nos of mushroom beds per day.
Horizontal/Vertical spread	34%

Name of farmer	Mrs Jigisa Samantaray
Age	35yrs
Aadhaar No	681397042130
Address	C/O- Pratap Chandra Sahoo, At- Patulisahi, GP- Badagorada, Bl- Odagaon, Dist-Nayagarh
Contact details (Phone, mobile, email Id)	8658710107
Landholding (in ha.)	1.0ha
Education	Intermediate
Family member	4
House hold income (before ARYA)	73000 /- per annum
Training received from KVK	Yes
ARYA interventions taken	Training, Exposure visit, Start-Up Incentive of Rs. 5,000/-
Present Production	1600bird/annum
Marketing linkage developed	Locally sale
Labour involved	Family members are involved
Cost of cultivation	21733/- per month
Average net income after intervention per month	25000/- per month
Social and Environmental impact	She is very happy in this enterprise. This year she planned to make a project of production 2000birds per annum
Horizontal/Vertical spread	24.1%

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	**Nature of linkage**
ICAR-CIFA, BBSR	Exposure visit for Fish production
ICAR-NRRI, Cuttack	Procurement of agro-ecosystem based paddy varieties for popularization
CTMRT-OUAT, BBSR	Exposure visit Mushroom production
ICAR-CARI	Procurement of day poultry chicks
CPDO, GoI	Procurement of day poultry chicks
IPDP, GoO	Procurement of day poultry chicks
CIMMYT	Popularization of climate resilient maize hybrids
IRRI, BBSR	Demonstration of stress tolerant paddy varieties
Odisha Livelihood Mission	FPO Group Formation, Technical support
NFDB, BBSR	Exposure visit, Fish seed
Dept. of Veterinary and Animal Husbandry, GoO	Joint verification of newly established poultry units
Dept. of Horticulture, GoO	Resource person on Mushroom & vegetable cultivation & value addition in different blocks of Nayagarh district Joint physical verification of banana sucker and lemon seedling
Dept. of Fisheries, GoO	Joint field visit for Fish production, Establishment of hatching unit Resource Person for HRD training
Mission Shakti	Training Programme
ATMA, Nayagarh	BGREI Monitoring and Field visit
Dept. of Agriculture, Nayagarh	Creating awareness for BPH control, collaborative celebration of special days, Resource Person for HRD training

Watershed & Soil Conservation	Participated in Exhibition organized by the Watershed Dept.
District Administration, Nayagarh	For taking up initiative measures to control pest &disease incidence
Odisha State Seed Corporation, Nayagarh	Production of foundation & certified seed under instructional farm
All India Radio, Cuttack	Radio talks, Participation in Farm & Home programme
Doordarshan, BBSR	TV talk, SAC meeting
NABARD, Nayagarh	Field visit under different funded project
NGOs	Promotion of organic farming, Exposure visit
Name of organization	Nature of linkage
ICAR-CIFA, BBSR	Exposure visit for Fish production
ICAR-NRRI, Cuttack	Procurement of agro-ecosystem based paddy varieties for popularization
CTMRT-OUAT, BBSR	Exposure visit Mushroom production
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IPDP, GoO	Procurement of day poultry chicks
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Doordarshan, BBSR	TV talk, SAC meeting
NABARD, Nayagarh	Field visit under different funded project
NGOs	Promotion of organic farming, Exposure visit

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)**

Name of the trade	**Funding Agency**
Skill training program on Vegetable Nursery Raising	Dept.of Agriculture, GoO
Skill training program on Sugarcane cultivation	

Skill training program on Bio-fertilizer production	
ASCI raining on Honey bee farmer	ASCI
Project activity on Hitech Horticulture	NHM
Comprehensive project on Rice fallow	State Govt.
Plant Health Clinic	NHM

a) Programmes for infrastructure development

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs. In lakh)
Strengthening Nursery Pond under ARYA project	Demo unit for ARYA farmers	ICAR-ATARI, Kolkata	Completed	3.0
Advisory center under ARYA project	Advisory for ARYA youth	ICAR-ATARI, Kolkata	Completed	3.0
Completion of Boundary wall	KVK campus	ICAR-ATARI, Kolkata	Yet to be started	10.0
Purchase of Agri. Spray Drone	Demonstration	ICAR-ATARI, Kolkata	Completed	17.5
Purchase of Tractor	KVK farm work	ICAR-ATARI, Kolkata	Completed	7.5

(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.)	
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income
1.	Poly house	2010-11	120	VNR B5, Dhawal, ceracola, Arka rashkhyak, Arka Samrat, VNR 405, Kailash	Brinjal tomato caulifl ower,Marigold, ChilliBrocoli, papaya, drumstick	52486	72500	156705
2.	Vermic ompost	2010-11	1 unit		Vermic ompost	10.55q	7820	15825
3	Mushro	2010	50	OSM-11	PSM	8850	58471	13275

.	om spawn production	-11			and Oyester Spawn			0
5.	Backyard Poultry	2016-17	120	Vanaraja		3000	41520	182420
6	Fish Pond	2016-17	1 acre	Amur, Jva punti, Rohu,Mrigal	Fish fingerlings	56000	22000	112000
	Total					120336	202311	599700

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	
Rice	15.08.2022	22.11.2022	1	Mrunalini	F/S	43.6	51200	78480	
Ragi	22.09.2022	30.12.2022	0.04	Arjun	T/L	2.5	4230	7500	

6.3. Performance of Production Units (bio-agents / bio-pesticides/ bio-fertilizers etc.,)

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	vermicompost	1055	7820	15825	

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.	Fish fingerlings production	Amur, Jva punti, Rohu,Mrigal		56000	22000	112000	
2.	Poultry	Banaraja, Aseel, Pallishree, kadaknath	21 days old Chicks	3000	41520	182420	

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
December 2022	200	60	
Total :	200	60	

(For whole of the year)

6.6. Utilization of staff quarters

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

Months	Q I	Q II	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current and Saving account	SBI, Main branch, Nayagarh	Nayagarh	11383056681:-Contingency 36473719407:- ARYA 40079686680:- DAMU 33991533548:- Revolving Fund

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

Item	Released by ICAR		Expenditure		Unspent balance as on -31.03.2023
	Kharif	Rabi	Kharif	Rabi	
Mustard & Rapeseed	60000			57908	2092

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

Item	Released by ICAR		Expenditure		Unspent balance as on 31.03.2023
	Kharif	Rabi	Kharif	Rabi	
Pegiopea	90000		89396		604
Chickpea		90000		86301	3699

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	1,20,000	1,20,000	1,20,000
3	Contingencies			
A	OE&POL			
B	Training			
C	FLD			
D	OFT	6,50,000	6,48,800	6,48,150
E	SCSP	20,00,000	18,81,000	18,88,994
F	HRD	30,000	30,000	0
J	Swachhta Expenditure	17,250	17,250	15,867
TOTAL (A)		28,17,250	26,97,050	26,73,011
B. Non-Recurring Contingencies				
1	Library	10,000	10,000	10000
2	Equipment	45,000	45,000	45,000
3	Boundary Wall	9,99,000	9,98,500	9,98,500
4	Tractor	7,50,000	7,50,000	7,50,500
5	Agri spray Drone	17,50,000	17,48,800	8,46,628
TOTAL (B)		35,54,000	35,52,300	2650628
C. REVOLVING FUND				5,24,369
GRAND TOTAL (A+B+C)		63,71,250	62,49,350	58,25,625

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)
2020-21	1,40,185	13,60,554	10,26,771	1,74,810
2021-22	1,77,810	5,35,456	4,27,037	2,86,229
2022-23	2,62,913	8,55,097	5,24,369	3,30,728

7.6. (i) Number of SHGs formed by KVKs:21

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities

Mushroom production, Vermi-composting, Value addition, Fish fingerlings production, Nursery raising

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

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both

FIAC	15	Kharif, 2022	-	15	-
Field Day	04	Kharif and Rabi 2022	04	-	-

8. Other information

8.1. Prevalent diseases in Crops

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

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru Yuva Kendra (NYK) Training:NA

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

9.2. PPV & FR Sensitization training Programme

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	1	91550
Livestock		
Fishery	1	92556
Weather		
Marketing		
Awareness	1	84742
Training information		
Other		
Total	3	298098

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	47704
2.	No. of farmers registered in the portal	2,00,000
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
12.10.2022	Digitization of office records
13.10.2022	Cleaning and beautification of surrounding areas
14.10.2022	Demonstration of technologies on waste and wealth
29.10.2022	Microbial Agricultural Waste Management Using Vermicompost
29.10.2022	Crop residue management
30.10.2022	Awareness programme about Swachhta

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	1	4500
2. Basic maintenance		
3. Sanitation and SBM	1	3500
4. Cleaning and beautification of surrounding areas	1	2500

5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	1	3500
6. Used water for agriculture/ horticulture application	1	2250
7. Swachhta Awareness at local level	1	1000
8. Swachhta Workshops		
9. Swachhta Pledge		
10. Display and Banner		
11. Foster healthy competition		
12. Involvement of print and electronic media		
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	100	
14. No of Staff members involved in the activities	15	
15. No of VIP/VVIPs involved in the activities	0	
16. Any other specific activity (in details)		
Total	**6**	**17250**

9.6. Observation of National Science day:NA

Date of Observation	Activities undertaken

9.7. Programme with Seema Suraksha Bal/ BSF:NA

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
Kendupalli UP School, Gania	07.07.2022	1 school	Projector and laptop
Dimiripalli High School, Nuagaon	14.10.2022	1 school	Projector and laptop

Give good quality 1-2 photograph(s)

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

D at	No. of Union	No. of Hon'	No. of	Participants (No.)	Co ver	Co ver

e of prog ramm e	Ministers attended the programme	ble MPs (Loksabha/ Rajyasabha) participated	State Govt. Ministers	MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total	age by Do or Darshan (Yes/ No)	age by other channels (Number)

9.10. Details of Swachhta Hi Suraksha programme organized

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

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Mahila Kisan Divas	1	50	0	-

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

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1	Mr Rabindra kumar Sahu	At- Bahadajhola, Bl- Nuagaon, 9583592213	IFS
2	Mr Sushant Samantray	At- Khedapada Bl- Nayagarh 7008020431	IFS
3	Mr Bata Krushna Swain	At-Bausnagada, Bl- Ranapur 9178742013	Organic Farmer
4	Mr Manoj kumar Barada	At-Bajrakote, Bl- Ranapur 8917558154	IFS

9.13. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Training hall, Farmers hostel and Audio-Visual charge	99,850	FIAC,BTT CONVENOR

9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
12.11.2021	IMD	Functioning

9.16. Contingent crop planning

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

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

a) Year:
b) Introduction / General Information:

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

11. Details of TSP:NA

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):NA

Natural Resource Management

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

				M	F	M	F	M	F	M	F	T	

Crop Management

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

Livestock and fisheries

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

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK:NA

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

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1.	Best progressive fish farmer	Mr Rabindra kumar Sahoo	2022	KVK	-	Progressive IFS and fish farmer

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

The documents for Geographical Indications (GI) tagging of *Nayagagrh Kanteimundi brinjal* have been finally approved by Registrar, Chennai for final documentation.

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

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1	Rankadeuli Farmers Producer Organization	**Reg**.U01110OR2018PTC029369	HouseNo-42, At-Lunisahi, Block- Ranapur Dist- Nayagarh	Mini oil extractor for Oil extraction(mustard),Vegetable production, Organic Paddy cultivation	Mustard, paddy	400	5.0	Oil Extraction unit
2	Ladubaba Farmers Producer Organization	**Reg:** U01403OR2015PTC019420	At-Beguniapatna, PO-KalikaPrasad,GP-Khuntubandha, Block/Dist-Nayagarh,,	Vegetable production and marketing in local market.	Vegetables	927	4.5	Exporting Vegetable to other district

3	Gauran gapur Farmer s Produc er organiz ation	Reg.U011000OR201 8PTC029494	At-Purunabasantap ur, Po-GourangapurBl ock-Ranapur, Dist-Nayagarh	Vegetable production Organic Paddy cultivation	Vegeta bles and paddy	230		Expor ting Veget able to other distric t
4	Gadajat a Farmer s Produc er organiz ation		At: Nuagaon, Block: NuagaonNa yagarh-752083	Vegetable, Moong, Dal, Rice and value addition	Value added produc ts of pulses	180		Expor ting Veget able to other distric t

16. Integrated Farming System (IFS)

Details of KVK Demo. Unit

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

17. Technologies for Doubling Farmers' Income

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

1	**Demonstration on Finger Millet for SHGs**	Variety - 126 days, yield potential 20.7q/ha, moderately resistance to leaf blast, neck blast, finger blast and brown seed.	43000	10	
2	**Demonstration of Scientific Apiculture Cultivation by SHG**	Scientific management of Apis *Cerena Indica* (Honey extraction, colony division, swarming management, disease management	2940/box	10	
3	**Demonstration on poultry bird Kadaknath in backyard system for farm women**	Rearing of Kadaknath in backyard	430/bird	10	
4	**Demonstration on production of planting material through portray**	Seedling raising in protray	89800	10	

5	**Demonstration on Polyculture of Prawn with carp**	Stocking of freshwater prawn PL-10,000 nos. with stunted fingerlings of Catla – 3000 nos., rohu-2000nos. grass carp-500nos. and per ha	190400	10	

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

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

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

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

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

Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants						Whether uploaded to SIP Portal (Y/N)	Fund utilized for the training (Rs.)
				SC		ST		Other			
				M	F	M	F	M	F		
Honey bee farmer	Mr Pramod kumar Prusti	29.03.2023	03.05.2023	3	0	0	0	15	5	Y	2,04,275

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.)
	Vegetable	**8 hrs**	SC	ST	Other	Total	

	Nursery Raising											
	Sugarcane cultivation		M	F	M	F	M	F	M	F	T	**9.0**
	Bio-fertilizer production		**1**	**1**	**2**	**1**	**40**	**20**	**40**	**20**	**60**	

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			

b) Other achievements

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

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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<tr><td>Assessment on IPM module for Management of sucking pest in brinjal</td><td>Assessment on management of fall army worm in sweet corn</td></tr>
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<tr><td>Assessment of Vermicompost production from different substrate</td><td>Assessment on Argulous in fishes in carp polyculture</td></tr>
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<tr><td>Assessment of cultivation of different marigold varieties for income generation</td><td>Assessment of influence of age of the spawn on the yield of paddy straw mushroom</td></tr>
</table>

through SHGs	
	
Assessment on Tractor Operated Seed drill for DSR (Direct seeded of rice)	Refinement on preparation of Sugarcane Jaggery

	
Demonstration of Production of Planting material though protray	Demonstration on Ragi Thresher cum Pearler
	
Demonstration of Freshwater Prawn with Carp (Grass Carp)	Demonstration Of Bacterial Wilt Resistance Brinjal Var. Swarna Shyamli

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<tr><td>Poshan Maha & Tree Plantation</td><td>World Soil Day</td></tr>
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<tr><td colspan="2">Jal Shakti Abhiyan</td></tr>
<tr><td>  </td><td>  </td></tr>
<tr><td>ASCI Skill Training</td><td>Farmers Fair</td></tr>
<tr><td>  </td><td> 
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<tr><td>Launching and Demonstration of Agriculture Spray Drone</td><td>RAWE students at KVK</td></tr>
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Sd/-
(ANIL KUMAR SWAIN)
Sr. Scientist & Head
KVK, OUAT, Nayagarh