Lt. No. 82 /Date: 16.02.2021

ANNUAL PROGRESS REPORT

January 2021 to December 2021

KRISHI VIGYAN KENDRA, JAJPUR

OUAT, BHUBANESWAR

PROFORMA FOR ANNUAL REPORT2021 (January-December 2021)

1. GENERAL INFORMATION ABOUT THE KVK

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

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

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

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

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

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

1.4. Year of sanction of KVK: June, 2002

1.5. Staff Position (**as on 1st January, 2021**)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr. Sunil Ku. Mohapatra	Senior Scientist& Head	Horticulture	104100	04.06.2021	Contractual	Others
2	Subject Matter Specialist	Dr. Lalita Ku. Mohanty	Agronomy	Agronomy	89,800	12.06.2018	Contractual	Others
3	Subject Matter Specialist	Dr. Babita Mishra	Horticulture	Horticulture	87,200	13.08.2014	Contractual	Others
4	Subject Matter Specialist	Mr. Subrata Ku. Panigrahi	Agril. Extension	Agril. Extension	89,800	21.05.2018	Contractual	Others
5	Subject Matter Specialist	Dr. BijayalaxmiMohanta	Ag.Engg	Ag.Engg	79,800	12.04.2012	Contractual	Others
6	Subject Matter Specialist	Mr. Subhasis Dash	Soil Science	Soil Science	79,800	11.06.2013	Contractual	Others
7	Subject Matter Specialist	Mr. Bijay Ku. Routray	Plant Protection	Plant Protection	87,200	04.06.2021	-	Others
8	Programme Assistant	Mr. Siba Prasad Mishra	Horticulture	Horticulture	60,400	08.02.2019	Contractual	Others
9	Computer Programmer	Mrs. Sangita Panda	Computer	Computer	53,600	02.09.2014	Contractual	Others
10	Farm Manager	Mr. BipraCharan Swain	Agronomy	Agronomy	47,600	27.07.2013	Contractual	Others
11	Accountant / Superintendent	vacant	-	-	-	-	-	-
12	Stenographer	Mr. TruptiRanjanBarik	Steno	Steno	39,800	29.06.2012	Contractual	Others
13	Driver	Mr. Pravat Ku. Naik	-	-	28,400	5.11.2015	Contractual	Others
14	Driver	MamtazAlli Khan	-	-	26,800	08.07.2013	Contractual	Others
15	Supporting staff	Sri BhagiraDalei	-	-	22,900	08.07.2014	Contractual	Others
16	Supporting staff	vacant	-	-	-	-	-	-

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.051
2.	Under Demonstration Units	5.489
3.	Under Crops	6.0
4.	Orchard/Agro-forestry	-
5.	Others with details	-
	Total	11.54 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.	Administrative Building	-	-	-	-	Completed	510	Use	ICAR
2.	Farmers Hostel	-	-	-	-	Completed	450	Use	ICAR
3.	Staff Quarters (6)	-	-	-	-	-	1	Use	ICAR
4.	Piggery unit	-	-	-	-	-	-	-	-
5	Fencing								
6	Rain Water harvesting structure	-	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	770	Use	ICAR
8	Farm godown		-	-	-	Completed	126	Use	ICAR
9.	Dairy unit								
10.	Poultry unit					Compl		Use	RKVY

						eted			
11.	Goatary unit								
12.	Mushroom Lab					-	-	-	-
13.	Mushroom production unit					Compl eted		Use	RKVY
14.	Shade house					Compl eted		Use	ICAR
15.	Soil test Lab								
16	Others,Please Specify								

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	Purchased on 17.03.2020	8,00,000/-	20400 km	Functioning
Tractor	Purchased on 31.03.2005	3,74,233	2458hr	Functioning
Motor Cycle	Purchased on 31.03.2011	50,000/-	17,520km	Functioning

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Nitrogen analyzer	2010-11	4,26,000	Working	ICAR
PH meter	2010-11	9,898	Working	ICAR
Hot were oven	2010-11	13,200	Working	ICAR

Spectro photo meter	2010-11	2,96,888	Working	ICAR
EC	2010-11	30,000	Working	ICAR
Flame photometer	2010-11	35,600	Working	ICAR
Auto clave	2010-11	62,000	Working	RKVY
Laminar Air flow	2010-11	49,000	Working	RKVY
Hot Air oven	2010-11	15,000	Working	RKVY
Electronic Balance	2010-11	21,000	Working	ICAR
Stabilizer	2013-14	19,860	Working	Contingency
Rotary flask shaker	2013-14	41,000	Working	Contingency
Flame photometer	2013-14	850	Working	Contingency
Quartzcuvette	2013-14	9,450	Working	Contingency
Mini Soil kit	2016-17	1,50,000	Working	ICAR
Moisture meter	2017-18			
b. Farm machinery				
MB Plough	2012-13	26,000	Working	RF
Nine tin Cultivator	2012-13	20,500	Working	RF
Ninetine seed cum fertilizer drill	2015-16	45,000/-	Working	ICAR
Axial flow thresher	2015-16	1,41,000	Working	ICAR
Land laveller	2015-16	14,000	Working	ICAR
Solar Dryer	2017-18	15,000	Working	ICAR
c.AV Aids				
Laptop	2008-09	50,000	Working	ICAR
Honda Generator	2010-11	50.000	Working	ICAR
Digital Camera	2011-12	20,000	Working	ICAR
HP printer	2011-12	8000	Working	ICAR
Public address system	2011-12	25,000	Working	ICAR
Printer cum Xerox	2015-16	50,000	Working	ICAR
Laptop	2016-17	50,000	Working	ICAR
Desktop Computer	2016-17	50,000	Working	ICAR
Printer Cum Xerox	2016-17	15000	Working	ICAR
Micro phone	2020-21	2500	Working	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
MB Plough	2012-13	26,000	Working	RF
Nine tin Cultivator	2012-13	20,500	Working	RF
Ninetine seed cum fertilizer drill	2015-16	45,000/-	Working	ICAR
Axial flow thresher	2015-16	1,41,000	Working	ICAR
Land laveller	2015-16	14,000	Working	ICAR
Brush cutter	2020-21	22000	Working	ICAR
Lawn mower	2020-21	21000	Working	ICAR

1.8. Details SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	11.02.2022	30	Demonstration should be taken on weed management in directed seeded upland rice	➢ The frontline demonstration on Integrated weed management in directed seeded rice was conducted at Vill- Dihakuransa, Block- Rasulpur covering 5 nos of farmers during kharif 2021 in an area of 1 ha. ➢ By the application of herbicide Pyrazosulphuronethtyl the yield increased to 23.7% over farmers practice.	
			Necessary steps to control fruit rot disease through IPM in betelvine	➢ OFT on IPM for control of Phytophthora foot rot in betelvin has been conducted in village Karanjiari and Melaka of block- Rasulpur comprising 16 nos. of farmers in an area of 0.32 ha in kharif 2021. ➢ Training programme on IPM for control of Phytophthora foot rot in betelvine in village- Karnjiari, block-Rasulpur comprising 25 nos. of	

				farmers. ➢ Method demonstration was conducted comprising 16 nos. of farmers on preparation of bordeaux mixture & application of Trichoderma viridae**.**	
			FLDs on sunflower and sweet corn	➢ On-farm trial of sweetcorn was conducted atHudisahi&Sansilo village of block- Sukinda with participation of 7 farmers in an area of 1 ha in kharif 2021. Two new verities of sweetcorn such as Pusa Super sweetcorn-1 & VL sweetcorn(FSCH18) have been tested and found that Var. Pusa super sweetcorn-1 gave an yield of 52200 nos./ha ➢ Cluster frontline demonstration has been conducted on sunflower(Var-KBSH-41) in 10 ha during Summer 2021 with participation of 18 farmers at Alatri village of block- Korei in convergence with State Govt. The var KBSH-41 gave an yield of 5.5qtl/ha	
			Intervention should be taken on fodder cultivation	➢ Two nos. of trainings has been conducted on awareness of fodder cultivation at village Hudisahi and Fazilpur comprising of 25 nos. of farmers and farm women each of Sukinda&Dharmasala block	
			Awareness should be created among the farmers regarding judicious and safe use of pesticides and also soil test based recommendation should be given while conducting different FLDs	➢ 65 nos. of soil samples have been collected for conducting different FLDs during Rabi 2020-21, kharif 2021 and soil test based recommendations have been given to farmers through soil health cards (65 nos.) of concerned FLDs. 4 nos. of awareness campaign cum trainings regarding judicious and safe use of pesticides comprising of 25 nos. of farmers and farm women each in the village Kakarnjiari, Kacherigaon, Fazilpur, Dihakuransa during 2021	

			Para Extension workers, VAWs and other officials should be invited while conducting field days of FLD programme	➢ AHO Barchana attended field day on IPM for control of YVMV in okra. ➢ AHO Rasulpur attended field day on tomato var. ArkaRakhyak and potato var. Kufri Surya in village Dihakuransa, block- Rasulpur.	
			Popularization of mini dal mill	➢ FLD on Mini dal mill was conducted at village – Palai of block- Barchana with participation of 5 nos. SHGs members during kharif 2021 in convergence with Agril. Engg. Department Barchana. ➢ A training programme has been conduced at villge- Garwalnarsinghpur of block- Rasulpur with 25 nos. of participants in collaboration with AICRP on ,OUAT, BBSR.	
			Intervention should be taken on dry land horticulture mainly in crops like custard apple and apple ber for the benefit of the farmers	➢ Awareness cum training programme on custard apple and apple ber cultivation has been conducted in village Karanjiari of Rasulpur block for higher income of the farmers. ➢ Rabindra Ku. Das of village Karanjiari has planted 50 apple ber plants in his field and the plants are in fruiting stage.	
			Increase in testing of the number of soil samples	➢ Testing of soil samples has been enhanced to 635 nosupto january-2022 and 635 nos of soil health card has been issued to farmers.	
			Biofloc demonstration unit should be kept in KVK in collaboration with fishery department	➢ Discussion has already been made with DFO, Jajpur in the RE meeting for development of biofloc unit in KVK in the month of June, 2022.	

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

2.a. District level data on agriculture, livestock and farming situation (2021)

Sl. no.	Item	Information
1	Major Farming system/enterprise	North Easter Coastal plain Zone mid central table land zone
2	Agro-climatic Zone	Low lying flood prone Saline Soil Red Laterite Rainfed Alluvial Rainfed River vally alluvial medium rainfall Light laterite (High rainfall)
3	Agro ecological situation	Alluvial, Saline soil Alluvial, Alluvial Red Laterite, Red Laterite Alluvial, Red Laterite
4	Soil type	Paddy-28.36qtl/ha, Groundnut-15.95qtl/ha Green gram-3.15qtl/ha
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Average rainfall-1559.9mm Min yearly temperature -14 ^{0}C to 43 0 C Average humidity-62% to 87%
6	Mean yearly temperature, rainfall, humidity of the district	North Easter Coastal plain Zone mid central table land zone
7	Production of major livestock products like milk, egg, meat etc.	Milk-78.92 milk TMT, Egg-334.93 lakh egg Meat-1099.97 MT

Note: Please give recent data only

2.b. Details of operational area / villages (2021)

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

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

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2020) for its development and action plan

Name of village	Block	Action taken for development
Kulakuransa	Rasulpur	• Farmers producer group, SHGs formation& management. • Improved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm mechanisation • Enreprenurship development in poultry, duckery and mushroom cultivation

		Vermi-compost pits
Kacherigaon	Jajpur	• Farmers producer group, SHGs formation& managementImproved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm mechanisation • Enreprenurship development in poultry, duckery and mushroom cultivation Vermi-compost pits
Choromuha	Dharmasala	• Farmers producer group, SHGs formation& managementImproved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm mechanisation • Enreprenurship development in poultry, duckery and mushroom cultivation Vermi-compost pits
Sunsilo	Sukinda	• Farmers producer group, SHGs formation& management. • Improved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm mechanisation • Enreprenurship development in poultry, duckery and mushroom cultivation Vermi-compost pits
Fazilpur	Dharmasala	• Farmers producer group, SHGs formation& managementImproved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm mechanisation • Enreprenurship development in poultry, duckery and mushroom cultivation Vermi-compost pits

2.1 Priority thrust areas

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

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
12	12	12	15	4	0	4	48	13	63	21	84	20	20	20	20	6	2	2	60	15	82	23	105

Training												Extension activities										
Number of Courses		Number of Participants										Number of activities		Number of participants								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
108	103	103	278	85	34	12	1234	712	1546	809	2355	634	432		245	89	23	10	568	239	836	338	874

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
90	90	2				6	2	8	2	10											

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

190 q.	190 q.	135000	131000

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
5000	5000	1000	755

* 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	5	-					
Seminar/conference/ symposia papers	2	-					
Books	-	-					
Bulletins	-	-					
News letter	3	1500					
Popular Articles	8	-					
Book Chapter	2	-					
Extension Pamphlets/ literature	2	246					
Technical reports	28						
Electronic Publication (CD/DVD etc)	41	40					
TOTAL							

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On Farm Trial	**Assessment of weed management in Sugarcane**
2.	Problem diagnosed	Heavy weed infestation in sugarcane
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1:Use of herbicide Atrazine 50% WP @ 2kg/ha at 20 DAP TO_2: Use of herbicide metribuzine @1kg/Ha at 2 DAP and 2-4-D 0.5kg/ha at 90 DAP
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT, 2012
5.	Production system and thematic area	Sugarcane based ,IWM
6.	Performance of the Technology with performance indicators	Yield and WCE of both the new tech Options are higher than farmers practice. The WCE of TO1 and TO2 were 81.5% and 88.7 % respectively
7.	Final recommendation for micro level situation	The farmers should use pre emergence herbicidemetribuzine and post emergence herbicide at proper time for effective control of weeds in sugarcane for higher productivity and net income.
8.	Constraints identified and feedback for research	The herbicide metribuzine gives better result as compared to Atrazine by enhancing yield by 15.2%
9.	Process of farmers participation and their reaction	The farmers became satisfied with the performance of herbicide and ensure to apply in future

Thematic area: IWM

Problem definition: Heavy weed infestation in sugarcane

Technology assessed: **Assessment of weed management in Sugarcane**

Table:

Technology option	No. of trials	Yield component				Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		WCE%	Cane length in meter	Cane wt. in kg						
FP: Manual weeding at 30 DAP		-	2.1	1.44		90.1	96000	198220	102220	2.06
TO1:Use of herbicide Atrazine 50% WP @ 2kg/ha at 20 DAP	7	81.5	2.3	1.62		98.8	97000	217360	120360	2.24
TO2: Use of herbicide metribuzine @1kg/Ha at 2 DAP and 2-4-D 0.5kg/ha at 90 DAP	7	88.7	2.5	1.79		103.8	98000	228000	130360	2.32

OFT-2

1.	**Title of On Farm Trial**	**Assessment of IWM in Maize**
2.	Problem diagnosed	Heavy weed infestation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1:-Weeding through earthing up at 15 DAS + use of herbicide Atrazine 50% WP @ 2kg/ha at 20 DAS TO_2: -Weeding through earthing up at 15 DAS +use of herbicide Tembotrione 42% SC @287.5 ml/ha at 20 DAS
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT, 2019
5.	Production system and thematic area	Vegetable-maize, IWM
6.	Performance of the Technology with performance indicators	Earthing up at 15 DAS and use of herbicide Tembotrione effectively controls the weeds in maize
7.	Final recommendation for micro level situation	Recommended for use of herbicide Tembotrione with earthing up for effective weed control and higher yield

8.	Constraints identified and feedback for research	Weed problem, high labour cost, pest incidence
9.	Process of farmers participation and their reaction	The farmers expressed their satisfaction over the performance of herbicide and ensured to apply in future

Thematic area: IWM

Problem definition:**Heavy weed infestation**

Technology assessed: **Assessment of Integrated weed management inMaize**

Table:

Technology option	No. of trials	Yield component				Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of cob/plant	Cob wt. (g.)							
FP: Weeding through earthing up at 15 DAS + use of herbicide 2-4-D @500g/ha at 30 DAS	7	1.1	210.5			40.9	55000	83800	28800	1.52
TO1: -Weeding through earthing up at 15 DAS + use of herbicide Atrazine 50% WP @ 2kg/ha at 20 DAS	7	1.2	221.7			45.7	55500	91400	35900	1.64
TO2: -Weeding through earthing up at 15 DAS +use of herbicide Tembotrione	7	1.27	246.2			50.5	56500	101000	44500	1.78

42% SC @287.5 ml/ha at 20 DAS										

OFT-3

1.	Title of On Farm Trial	Assessment of sweet corn varieties for higher income
2.	Problem diagnosed	Low market price of maize & opportunity for diversification through sweet corn
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: Sweet corn var. - VL Sweet corn 1 (FSCH18) TO2: - Sweet corn var. Pusa Super Sweet corn-1
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	VPKAS,Almora,2016 IARI, 2018-19
5.	Production system and thematic area	Maize-vegetable, Varietal substitution
6.	Performance of the Technology with performance indicators	Pusa Super Sweetcorn-1 gives higher production and higher income
7.	Final recommendation for micro level situation	Pusa Super Sweetcorn-1 recommended for large scale cultivation for higher return.
8.	Constraints identified and feedback for research	Distress sale of local maize and higher demand for sweetcorn and unavailability of sweet corn seeds in local market.
9.	Process of farmers participation and their reaction	Sweetcorn var. Pusa Super Sweetcorn-1 gave 31.5% higher yield over farmers practice

Thematic area: Varietal substitution

Problem definition: Low market price of maize & opportunity for diversification through sweet corn

Technology assessed: Assessment of sweet corn varieties for higher income

Table:

Technology option	No. of trials	Yield component			Yield (t/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP: Maize var. P 3441	7				9.5 ton/ha	65,000	125000	60,000	1.92
TO1: Sweet corn var. - VL Sweet corn 1 (FSCH18)	7				10.7 ton/ha	70,000	160000	90,000	2.29
TO2: - Sweet corn var. Pusa Super Sweet corn-1	7				12.5 ton/ha	70,000	190000	1,20,000	2.71

OFT-4

1.	Title of On Farm Trial	Assessment of Sulphur and Boron for higher yield in cabbage
2.	Problem diagnosed	Low quality and yield due to secondary and micro nutrient deficiency
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1: STBF (NPK: 120-60-60)kg/ha+ Sulphur @30 kg ha +1 kg Boron as basal application TO_2:STBF (NPK) +1 kg Boron as basal application
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT, 2016
5.	Production system and thematic area	Rice-vegetable, INM
6.	Performance of the Technology with performance indicators	Head wt. (g.), Head size(cm.)
7.	Final recommendation for micro level situation	application of Sulphur and Boron increases the yield by17.55% which is highly appreciated by the farmers
8.	Constraints identified and feedback for research	Micro and secondary nutrient deficiency in Jajpur (80% B & 40% S) deficiency
9.	Process of farmers participation and their reaction	Directly involved in conducting OFT, participated in training, field day, group interaction and agreed to adopt the technology

Thematic area: INM

Problem definition: Low quality and yield due to secondary and micro nutrient deficiency

Technology assessed: Assessment of Sulphur and Boron for higher yield in cabbage

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
		Head wt. (in g.)								
FP: NPK as basal application(110-50-40 kg/ha)	7	835				262	55500	157200	101700	2.83
TO1: STBF (NPK: 120-60-60)kg/ha+ Sulphur @30 kg ha +1 kg Boron as basal application	7	1015				308	58350	184800	126450	3.16
TO2:STBF (NPK) +1 kg Boron as basal application	7	980				296	57250	175185	120350	3.06

OFT-5

1.	Title of On Farm Trial	**Assessment of consortia of micro organism (Azotobactor + Azospirillum +PSB) in pointed gourd**
2.	Problem diagnosed	Low yield due to low beneficial microbial population
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1-STBF(120-80-80)kg/ha + 100 kg of FYM inoculated with 4kg Azotobactor, Azospirillum& PSB each. TO_2-STBF + 5 kg lime mixed with 100 kg of FYM & inoculated with 4kg

		Azotobactor, Azospirillum& PSB each
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT, 2017
5.	Production system and thematic area	Rice-vegetable, soil fertility management
6.	Performance of the Technology with performance indicators	Fruit size, No. of fruits /plant, Fruit weight(g.) , yield, BCR
7.	Final recommendation for micro level situation	Lime, FYM & bio-fertilizer stimulate microbial activity & enhances the growth as well as quality of fruit & also increases the yield by 19.63%
8.	Constraints identified and feedback for research	Less microbial population, stunted growth
9.	Process of farmers participation and their reaction	Directly involved in conducting OFT, participated in training, field day, group interaction and agreed to adopt the technology

Thematic area: soil fertility management

Problem definition: Low yield due to low beneficial microbial population

Technology assessed: **Assessment of consortia of micro organism (Azotobactor + Azospirillum +PSB) in pointed gourd**

Table:

Technology option	No. of trials	Yield component				Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Fruit wt. (in g)								
FP:-Only NPK (100-50-60 kg/ha.)	7	16.5				219	148000	438000	290000	2.9
TO1-STBF(120-80-80)kg/ha + 100 kg of FYM inoculated with	7	20.2				253	155000	506000	351000	3.2

4kg Azotobactor, Azospirillum& PSB each										
TO2-STBF + 5 kg lime mixed with 100 kg of FYM & inoculated with 4kg Azotobactor, Azospirillum& PSB each	7	24.3				262	157000	524000	367000	3.3

OFT-6

1.	Title of On Farm Trial	**Assessment of potato varieties**
2.	Problem diagnosed	Low yield due to late planting ,temperature fluctuation during tuberization
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1: KufriHimalini (Medium size, oval oblong, white tuber with pale yellow flesh, better keeping quality, resistant to late blight, Avg. yield- 300 350 qtl/ha) TO_2: KufriKhyati (High yielding, early maturing, tubers are ovoid, creamish, white with medium deep eyes, Avg. yield- 250-300 qtl/ha, duration 70-75 days).
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CPRI, Simla, 2011
5.	Production system and thematic area	Rice-vegetable, Varietal substitution
6.	Performance of the Technology with performance indicators	No. of tubers/plant, individual tuber wt., diameter of tuber
7.	Final recommendation for micro level situation	KufriKhyati is early maturing and has given 22.40 % increase in yield over kuyfrijyoti which is highly accepted by the farmers
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Field day, farmers scientist interaction, diagnostic field visit

Thematic area: Varietal substitution

Problem definition: **Low yield due to late planting ,temperature fluctuation during tuberization**

Technology assessed: **Assessment of potato varieties**

Table:

Technology option	No. of trials	Yield component				Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of tubers/plant	Avg. tuber wt.							
FP: Potato var. Kufrijyoti	7	3.64	122.4			230.26	48600	1,15,130	66,530	2.36
TO1: KufriHimalini (Medium size, oval oblong, white tuber with pale yellow flesh, better keeping quality, resistant to late blight, Avg. yield- 300 350 qtl/ha)	7	3.74	123.2			264.44	49400	1,32,220	82,820	2.67
TO2: KufriKhyati (High yielding, early maturing, tubers are ovoid, creamish, white with medium deep eyes, Avg. yield- 250-300 qtl/ha, duration 70-75 days).	7	4.10	126.4			281.85	49400	1,40,925	91,525	2.85

OFT-7

1.	Title of On Farm Trial	**Assessment of different trellis in bittergourd for higher production**
2.	Problem diagnosed	High incidence of fruit rot due to ground trelling
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1- Single trellis, one row trellis constructed with bamboo poles & GI wires, jute rope TO_2-Lean to type trellis – stakes are joined between two adjoining bed forming an A shaped structure horizontal stakes are installed at the top joining of all other beds . The stakes support the climbing vines. Strings are used to secure adjoining stakes. trellis height 2m
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CHES, 2014
5.	Production system and thematic area	Vegetable-vegetable, production technology
6.	Performance of the Technology with performance indicators	Length of fruit, Wt. of fruit, incidence of fruit rot
7.	Final recommendation for micro level situation	Lean to type trellis gives 52.5% more yield than single trellies with less incidence of disease and pest.
8.	Constraints identified and feedback for research	high initial establishment cost
9.	Process of farmers participation and their reaction	Field day, farmers scientist interaction, diagnostic field visit

Thematic area: Production technology

Problem definition: High incidence of fruit rot due to ground trelling

Technology assessed: **Assessment of different trellis in bittergourd for higher production**

Table:

Technology option	No. of trials	Yield component				Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of fruits/plant	Avg. fruit wt.							
FP-Ground trailing	7	33.2	106.5			147.2	53200	1,47,200	94000	2.76
TO1- Single trellis, one row trellis constructed with bamboo poles & GI wires, jute rope	7	38.1	108.8			183.7	62800	1,83,700	1,20,900	2.92
TO2-Lean to type trellis – stakes are joined between two adjoining bed forming an A shaped structure horizontal stakes are installed at the top joining of all other beds . The stakes support the climbing vines. Strings are used to secure adjoining stakes. trellis height 2m	7	46.06	110.0			224.5	72300	2,24,500	1,52,200	3.10

OFT-8

1.	Title of On Farm Trial	**Assessment of IPM for control of Phytophthora foot rot in betelvine**
2.	Problem diagnosed	Low yield and quality of betel leaf due to Phytophthora foot rot
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1- Soil drenching four times in monthly interval and eight times fortnightly interval spray of Bordeaux mixture at 1% and 5% respectively. Application of Neem oil cake @2 split doses @500 kg/split /ha at 30 and 60 DAP TO_2- Application of Bordeaux mixture four soil drenches + 8 foliar sprays followed by 4 split doses of Neem oil cake @500 kg/split/ha along with bio control agent Trichoderma viridae @5g./vine

4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT, 2016
5.	Production system and thematic area	IPM
6.	Performance of the Technology with performance indicators	Cont….
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: IPM

Problem definition: Low yield and quality of betel leaf due to Phytophthora foot rot

Technology assessed: Assessment of IPM for control of Phytophthora foot rot in betelvine

Table:

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

OFT-9

1.	Title of On Farm Trial	**Assessment of groundnut threshers for stripping of groundnut**
2.	Problem diagnosed	High labour cost on manual stripping
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1: power operated groundnut thresher TO_2: tractor drawn groundnut thresher
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on FIM,CAET,OUAT, 2015-16
5.	Production system and thematic area	Farm mechanization
6.	Performance of the Technology with performance indicators	Stripping capacity (qtl/h), cost of operation(Rs/ha), % of damaged pods
7.	Final recommendation for micro level situation	Cost of operation reduced from Rs. 800/- to Rs. 145/-
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Conducting OFT, training. The tractor drawn groundnut thresher saves labour and time in threshing groundnut , which is more convenient for the farmers

Thematic area: Farm mechanization

Problem definition: **High labour cost on manual stripping**

Technology assessed: **Assessment of groundnut threshers for stripping of groundnut**

Table:

Technology option	No. of trials	Yield component				Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Field capacity (q/h)	Cost of operation (Rs/q)							
FP: Manual stripping	5	0.02	800/q			21.9	43,500	87600	44,100	2.01
TO1: power operated groundnut thresher	5	0.72	180/q			21.9	35,300	87600	52,300	2.48
TO2: tractor drawn groundnut thresher	5	5.6	145/q			21.9	32,600	87600	55,000	2.69

OFT-10

1.	Title of On Farm Trial	**Assessment of Tractor drawn Paddy Thresher for bundle straw production**
2.	Problem diagnosed	High labour cost of threshing paddy, Non availability of bundle straw as per demand
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1-Tractor driven Axial flow Thresher and Winnower TO_2- Tractor driven whole straw paddy thresher
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT 2015-16
5.	Production system and thematic area	Rice-greengram, Farm mechanization
6.	Performance of the Technology with performance indicators	Field capacity, cost of threshing
7.	Final recommendation for micro level situation	Tractor drawn Paddy Thresher is suitable for bundle straw production
8.	Constraints identified and feedback for research	Some paddy which is used to bind the paddy bundle is not threshed
9.	Process of farmers participation and their reaction	Demonstration Farmers appreciated the technology as they are getting the whole straw during threshing of paddy.

Thematic area: farm mechanization

Problem definition: High labour cost of threshing paddy, Non availability of bundle straw as per demand

Technology assessed: Assessment of Tractor drawn Paddy Thresher for bundle straw production

Table:

Technology option	No. of trials	Yield component				Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Field capacity (q/h)	Cost of threshing (Rs/q.)							
FP- Power paddy thresher	7	0.7	237.50			43.5	32500	54375	21875	1.64
TO_1-Tractor driven Axial flow Thresher and Winnower	7	9.06	175.50			43.5	29300	54375	25075	1.85
TO_2- Tractor driven whole straw paddy thresher	7	4.48	168			43.5	27800	54375	26575	1.95

OFT-11

1.	Title of On Farm Trial	**Assessment of integrated management practices of neckblast in paddy**
2.	Problem diagnosed	Low yield due to high incidence of Neckblast
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1: Seed treatment with Tricyclazole 75 WP @ 2gm/Kg of seed. Spraying of (Tricyclazole22% + Hexaconazole 3% SC) @ 2ml/ ltr thrice at weekly interval starting from booting stage TO_2: - Seed treatment with Tricyclazole 75 WP @ 2gm/Kg of seed. Alternate spraying of Metominostrobin 20SC and Azoxystrobin 20SC @ 1ml/lt at 10 days interval starting from booting stage
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Kerala 2015
5.	Production system and thematic area	Rice-greengram, IDM
6.	Performance of the Technology with performance indicators	Disease incidence (%),Yield (q/ha), B:C ratio,

7.	Final recommendation for micro level situation	Seed treatment with Tricyclazole 75 WP @ 2gm/Kg of seed. Alternate spraying of Metominostrobin 20SC and Azoxystrobin 20SC @ 1ml/lt at 10 days interval reduce the infection to 8.1% & increased the yield by 13.6 % over FP
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Field day, farmers scientist interaction, diagnostic field visit

Thematic area: IDM

Problem definition: Low yield due to high incidence of Neckblast

Technology assessed:Assessment of integrated management practices of neckblast in paddy

Table:

Technology option	No. of trials	Yield component				Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Infestation %								
FP: Spraying of tricyclazole @ 2ml / litre of water after the incidence of disease	7	12.3				40.3	42500	70525	28025	1.5
TO1: Seed treatment with Tricyclazole 75 WP @ 2gm/Kg of seed. Spraying of (Tricyclazole22% + Hexaconazole 3% SC) @ 2ml/ ltr thrice at weekly interval starting from	7	9.4				42.3	44350	74025	29675	1.6

booting stage										
TO2: - Seed treatment with Tricyclazole 75 WP @ 2gm/Kg of seed. Alternate spraying of Metominostrobin 20SC and Azoxystrobin 20SC @ 1ml/lt at 10 days interval starting from booting stage	7	8.1				45.8	45200	80150	34950	1.8

OFT-12

1.	Title of On Farm Trial	**Assessment of different planting time for better market price of Cauliflower**
2.	Problem diagnosed	Distress sale of Cauliflower in rabi season
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: Planting of seedling 1 month before onset of normal planting period TO2: Planting of seedling 1 month after completion of normal planting period
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT, 2016
5.	Production system and thematic area	Rice-vegetable, ICM
6.	Performance of the Technology with performance indicators	curd weight,Market price
7.	Final recommendation for micro level situation	planting cauliflower one month before normal planting time
8.	Constraints identified and feedback for research	Distress sale
9.	Process of farmers participation and their reaction	Farmers get high market price by planting cauliflower one month before normal planting time though the yield is less

Thematic area:

Problem definition: **Distress sale of Cauliflower in rabi season**

Technology assessed: **Assessment of different planting time for better market price of Cauliflower**

Table:

Technology option	No. of trials	Yield component				Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Selling rate (Rs./q.)	curd wt. (g.)							
FP: Farmers generally plant the seedling in the month of October	7	800	900			177.14	46600	141712	95112	3.04
TO1: Planting of seedling 1 month before onset of normal planting period	7	2000	350			86.5	48600	173000	124400	3.56
TO2: Planting of seedling 1 month after completion of normal planting period	7	1000	800			152.57	47600	152570	104970	3.20

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Rice	IWM	Use of herbicide Pyrazosulphuron ethyl 200g/ha at 3 DAS followed by Bispyribac Sodium 200 ml at 25 DAS in rainfed direct seeded rice.	1	1	-	-	-	-	5		5		5	
2.	Rice	IWM	Post emergence application of herbicide Penusxulam 93.75ml/ha at 12 DAT + HW at 30 DAT	1	1	-	-	-	-	5		5		5	
3.	Rice	INM	STBF NPK + foliar spray of 0.25% Borax at panicle initiation stage and pre flowering stage	1	1	-	-	-	-	4	1	4	1	5	

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	Alluvial	165	23	132	Rice	July	December	1200	145
Rice	Kharif	Irrigated medium land	Alluvial	165	23	132	Rice	July	December	1200	145
Rice	kharif	Irrigated medium land	Alluvial	165	23	132	Rice	July	December	1200	145

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

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
groundnut	Soil fertility management	Application of soil testbased fertiliser+0.2 LR (lime)+FYM 5t/ha in furrows at the time of sowing	5	1	21.2	17.3	22.54	35625	84800	49175	2.38	34800	69200	34400	1.98
Total															

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

Pulses

Frontline demonstration on pulse crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Greengram	IWM	Post emergence application of herbicide Imazethapyr @750ml/ha 15DAS	5	1	5.5	4.7	17	18500	27500	9000	1.49	17000	23500	6500	1.38
Greengram	INM	75% N+75%P+full dose of K+Foliar spray of 2% of Urea phosphate at 20 and 35 DAS	5	1	7.5	6.1	22.95	19700	37500	17800	1.9	17600	30500	12900	1.7
	Total														

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

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Okra	IPM	Seed treatment with imidacloprid @ 5 g /kg + installation of Yellow sticky trap(20no./ha) + Acetamiprid 20% SP spray @ 0.3g/ ltr water	5	1	169.2	128.1	32.05	No. of fruits/plant-12.8 % infection – 17.2	No. of fruits/plant-11.5 % infection-28.2	45,200	1,35,360	90,160	2.99	42,800	1,02,504	59,704	2.39

cauliflower	Production technology	STBF(80%NPK)+ Seed treatment with Arka Microbial consortium @10g/100g seed +Soil application with 5 kg Arka Microbial consortium mixed with 500kg FYM FP- Use of chemical fertilizer(110:50:40 kg NPK kg/ha)	5	1	237.9	208.9	13.8	Avg. curd wt. in(gm)-963.1 Shelf life in days- 5.4	Avg. curd wt. in(gm)-854.1 Shelf life in days- 3.6	46,800	1,18,970	72,170	2.54	44,200	1,04,480	60,280	2.36
Tomato	Varietal substitution	Cultivation of tomato variety Arka Rakshak with recommended package of practices, planting Oct-Nov, spacing- 2.5 ft X 2.5 ft. , 9900 seedling/ha , fertilizer -150:120:150 kg/ha	5	1	437.68	287.87	52.03	Wt. of individual fruit- 57.0 No. of fruits/plant-52.0	Wt. of individual fruit-52.1 No. of fruits/plant-41.5	62,800	2,18,842	1,56,042	3.48	52,600	1,43,936	91,336	2.73
Okra	IPM	Foliar spray of Chlorantraniloprole 18.5 SC @ 150 ml/ha twice at 30 and 45 DAS FP- Spraying of cartap Hydrochloride 50 SP @ 2gm/lit	5	1	165.81	125.61	32	%infestation-	%infestation-11.98	52500	132648	80148	2.5	45300	100488	55188	2.2
Brinjal	IDM	Application of neem cake@2.5q/ha, application of nemazol @5ml/lit at 15 days interval upto flowering Pheromone trap@3 for 400 sq.m. + weekly release of 50,000 *Trichogrammachilonis* + two sprays of BT @1ml/L at 10 days interval at peak flowering	5	1	390.4	289.18	35.1	Individual fruit wt.(gm)-113.46 % infestation-18.8	Individual fruit wt.(gm)-104.12 % infestation-29.6	51800	1,95,200	1,43,400	3.77	47600	1,44,590	96990	3.04
sugarcane	INM	Soil test based fertilizer application in sugarcane @ 150:100:60 kg N:P2O5:K20+60 kg elemental S/ha.	5	1	103.2	90.4	14.16	Cane wt. in kg-1.89	Cane wt. in kg-1.5	**1,00,000**	**2,27,040**	**127040**	**2.27**	**94000**	**1,98,880**	**1,04,880**	**2.11**

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	Rearing of dual purpose poultry bird "Kadaknath", body weight 1200-1500 g/ 4 months, egg laying capacity 190 nos. of egg/ year	10		Avg.Body wt./bird in 4 months-1.5 kg	Avg.Body wt./bird in 4 months-1.2 kg	25	No. of eggs/yr-190 eggs	No. of eggs/yr-115 eggs	450	1370	920	3.0	300	850	550	2.8
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	
Total																	

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

** BCR= GROSS RETURN/GROSS COST

Fisheries

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

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

** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Blanching of Oyster mushroom for 3 min with addition of 0.5% KMS followed by drying at Solar drier then grinded to powder	5	5 nos. bed	Yield from 5 bed-1.4 kg (dehydrated mushroom powder)	Yield from 5 bed-10kg (direct selling)		Self life (Days)-90 days	Self life (Days)-2 days	850	1400	550	2.54	250	500	250	2.0
Button mushroom																

Vermicompost	Composting cow dung and leafy materials in the ratio of 3:10 in the vermicompost with cement ring of 3' height with release of earthworm (variety: *Eioseniafoetida*) @1kg/qtl. of waste material	5		Yield (q/pit)- 2 (2 times harvest)	-	continuing	pH- 7.15	pH-7.6								
Sericulture	Installation of Indian honey bee box with colony (*Apiscerana indica*)	5		Honey yield/box- 4kg/box	-	-	No. of colonies sold/box- 2	No. of colonies sold/box- -	1800	3200	1400	1.7	New introduction	-	-	-
Apiculture																
Others (pl.specify)																
	Total															

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

** BCR= GROSS RETURN/GROSS COST

Women empowerment

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

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demonstration	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Seed cum fertilizer drill	greengram	Tractor drawn Multi crop Seed cum fertilizer drill with cup feed metering mechanism for sowing, Field capacity – 0.4ha/h	5	1	Field capacity(ha/h)-0.4	Field capacity(ha/h)-0.12		20750	34300	13550	1.65	19500	29400	9900	1.5
Tractor drawn rotavator	Potato	Consisting of a rotary unit, steel frame, 3-point hitch system, a rotary shaft on which blades are mounted. The blades are of 'L' shape. A good pulverization of the soil is achieved with single pass of Rotavator, Field Capacity – 0.4ha/h	5	1	Diesel required (lit/ha)-25	Diesel required (lit/ha)-40	-								
Power weeder	brinjal	Weeding by dry land power weeder	5	1	Avg. field capacity (ha/h)-0.08	Avg. field capacity (ha/h)-0.004		42850	148190	105340	3.45	49350	146170	96820	2.96
Mini dal	Dal	Mini Dal mill operated by 1hp single electronic motor	5		Milling capacity (q/h)-0.344	Milling capacity (q/h)-0.028	Cost saving (%)-79.33	Labour requirement (man days/q)- 1	Cost of milling (Rs/q.)-310	Dal recovery(kg/q)-74.2	Dehusking efficiency (%) 92.6	Labour requirement (man days/q)-5	Cost of milling (Rs/q.)- 1500	Dal recovery(kg/q)-72.8	Dehusking efficiency (%) 88.5

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

Demonstration details on crop hybrids

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

Blackgram										
Bengalgram										
Redgram										
Others (Pl.specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato	Tomato var. Arkarakshak	5	1	437.68 (q/ha)	287.87 (q/ha)	52.03	62,800	2,18,842	1,56,042	3.48
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl.specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl.specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl.specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Greengram	The farmers expressed their satisfaction over the performance of weedicide and ensured to apply in future.
2	Sugarcane	Application of Sulphur with STBF increased the cane length and cane weight
3	Groundnut	Application of FYM & lime produced good quality and bold kernels as well as increased the yield to the extent of 22.54%.
4	Tomato	Tomato variety ArkaRakshak is high yielding having more shelf life than local variety & tolerant to disease and pest
5	Okra	Installation of yellow sticky trap and alternate spraying of Acetamiprid and imidacloprid are very effective in control of YVMV
6	cauliflower	Size and weight of cauliflower increased by application of AMC powder. Also the keeping quality of curds enhanced
7	Seed cum fertilizer drill	farmers appreciated the technology as there is scarcity of labour and uniform plant population
8	Oyster mushroom	The dehydrated mushroom powder can be stored in good condition upto 90 days and the market value of the powder is very high in comparison to direct selling
9	Tractor drawn rotavator	The quality of soil pulverization by rotavator is better than tractor drawn cultivator
10	poultry	Kadakanth has more body weight, egg laying capacity than local bird
11	Rice	Use of herbicide Pyrazosulphuronethyl has better WCE to the extent of 90.5% and increased yield by 23.7% over FP
12	Brinjal	Use of Pheromone trap and spraying of BT solution are very effective for reducing brinjal shoot and fruit borer infestation by 36.4% over FP
13	Rice	Application of Boron reduces chaff in panicle and increased the yield to the extent of 16% over FP
14	Rice	Application of Azoxystrobin & Difenoconazole reduced infestation and increased the yield by 22.8% over FP
15	Okra	Chlorantraniloprole reduced infestation to the extent of 22.7 and increased the yield by 32% over FP
16	Power weeder	Machine can easily be operated in rows to control weeds but not in between plants

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field day	17.02.2021	1	50	Tomato var. ArkaRakshak
	Field day	26.02.2021	1	50	Application of liming for higher productivity in groundnut.
	Field day	12.01.2021	1	50	Bio inoculants to increase size and weight of cauliflower
	Field day	6.01.2021	1	50	multicrop seed cum fertilizer drill for sowing of greengram
	Field day	29.09.2021	1	50	integrated management of Fruit borer in Okra
	Field day	30.10.2021	1	50	biological control of shoot and fruit borer in Brinjal
	Field day	30.10.2021	1	50	dry land Power weeder for brinjal
2.	Farmers Training	5.01.2021	1	25	Integrated Weed Management in greengram
	Farmers Training	12.02.2021	1	25	INM in sugarcane
	Farmers Training	21.01.2021	1	25	Application of liming for higher productivity in groundnut

	Farmers Training	8.10.2021	1	25	Integrated management of sheath blight in rice
	Farmers Training	16.10.2021			Boron deficiency and its control measure in rice
	Farmers Training	30.10.2021	1	25	Integrated management of fruit borer in okra
	Farmers Training	11.10.2021			Use of mini dal mill
3.	Media coverage	12.10.2021	-	-	Use of mini dal mill
	Media coverage	9.11.2021	-	-	Integrated management of fruit borer in okra
4.	Training for extension functionaries	-	-	-	-

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2021 and Rabi 2021-2022:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Groundnut Var. K-66	G-5	-	-	-	-	Variety with seed treatment chemical + soil test based fertilizer application along with INM, IPM &IDM	25	10	Continuing					

B. Economic parameters

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

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrate	Total Produce Obtaine	Produce sold (Kg/household)	Selling Rate (Rs/Kg	Produce used for own	Produce distributed to other	Purpose for which	Employment Generated (Mandays/hous

	d	d (kg)		)	sowing (Kg)	farmers (Kg)	income gained was utilized	e hold)

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

E. Specific Characteristics of Technology and Performance

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

F. Extension activities under FLD conducted:

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

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

H. Farmers' training photographs

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

J. Details of budget utilization

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

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

A) Farmers and farm women (on campus)

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off0season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													

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 fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													

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
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													

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
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	10	5	15	0	0	0	0	0	0	10	5	15
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming	1	8	5	13	2	0	2	0	0	0	10	5	15
Seed production	1	15	0	15	0	0	0	0	0	0	15	0	15
Production of organic inputs	1	10	2	12	1	1	2	0	1	1	11	4	15
Planting material production	1	0	15	15	0	0	0	0	0	0	0	15	15
Vermiculture	1	12	3	15	0	0	0	0	0	0	12	3	15
Mushroom Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements	1	15	0	15	0	0	0	0	0	0	15	0	15
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others	1	15	0	15	0	0	0	0	0	0	15	0	15
Total	**8**	**85**	**30**	**115**	**3**	**1**	**4**	**0**	**1**	**1**	**88**	**32**	**120**

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	1	10	5	15	0	0	0	0	0	0	10	5	15
Integrated Pest Management	1	8	4	12	1	1	2	0	1	1	9	6	15
Integrated Nutrient management	3	32	8	40	3	2	5	0	0	0	35	10	45
Rejuvenation of old orchards													
Protected cultivation technology	2	22	8	30	0	0	0	0	0	0	22	8	30
Production and use of organic inputs	1	10	5	15	0	0	0	0	0	0	10	5	15
Care and maintenance of farm machinery and implements	1	8	7	15	0	0	0	0	0	0	8	7	15
Gender mainstreaming through SHGs													
Formation and Management of SHGs	1	12	2	14	1	0	1	0	0	0	13	2	15
Women and Child care													
Low cost and nutrient efficient diet designing	1	0	15	15	0	0	0	0	0	0	0	15	15
Group Dynamics and farmers organization	1	15	0	15	0	0	0	0	0	0	15	0	15
Information networking among farmers	1	9	3	12	1	2	3	0	0	0	10	5	15
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production	1	15	0	15	0	0	0	0	0	0	15	0	15
Household food security													
Other(soil fertility management)	1	13	2	15	0	0	0	0	0	0	13	2	15
Total	**15**	**154**	**59**	**213**	**6**	**5**	**11**	**0**	**1**	**1**	**160**	**65**	**225**

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	4	75	20	95	3	2	5	0	0	0	78	22	100
Resource Conservation Technologies	1	20	2	22	1	1	2	1	0	1	22	3	25
Cropping Systems	1	22	3	25	0	0	0	0	0	0	22	3	25
Crop Diversification													
Integrated Farming	1	21	2	23	2	0	2	0	0	0	23	2	25
Micro irrigation/irrigation													
Seed production	1	22	3	25	0	0	0	0	0	0	22	3	25
Nursery management													
Integrated Crop Management	4	74	10	84	4	6	10	2	4	6	80	20	100
Soil & water conservation													
Integrated nutrient Management	2	32	8	40	4	3	7	2	1	3	38	12	50
Production of organic inputs													
Others(INM)													
Total	**14**	**266**	**48**	**314**	**13**	**12**	**26**	**5**	**5**	**10**	**285**	**65**	**350**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops	1	21	2	23	2	0	2	0	0	0	23	2	25
Off0season vegetables													
Nursery raising	1	3	20	23	0	2	2	0	0	0	3	22	25
Exotic vegetables													

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	1	18	7	25	0	0	0	0	0	0	18	7	25
Grading and standardization													
Protective cultivation													
Others													
Total (a)	**3**	**42**	**29**	**71**	**2**	**2**	**4**	**0**	**0**	**0**	**44**	**31**	**75**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	1	20	2	22	1	1	2	1	0	1	22	3	25
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques	2	40	10	50	0	0	0	0	0	0	40	10	50
Others													
Total (b)	**3**	**60**	**12**	**72**	**1**	**1**	**2**	**1**	**0**	**1**	**62**	**13**	**75**
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants	1	1	0	1	15	9	24	0	0	0	16	9	25
Propagation techniques of Ornamental Plants													
Others	1	24	0	24	1	0	1	0	0	0	25	0	25
Total (c)	**2**	**25**	**0**	**25**	**16**	**9**	**25**	**0**	**0**	**0**	**41**	**9**	**50**
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others	1	23	0	23	2	0	2	0	0	0	25	0	25
Total (d)	**1**	**23**	**0**	**23**	**2**	**0**	**2**	**0**	**0**	**0**	**25**	**0**	**25**
e) Tuber crops													
Production and Management technology	1	23	0	23	2	0	2	0	0	0	21	4	25
Processing and value addition													
Others													
Total (e)	**1**	**23**	**0**	**23**	**2**	**0**	**2**	**0**	**0**	**0**	**21**	**4**	**25**
f) Spices													
Production and Management technology	1	24	0	24	1	0	1	0	0	0	25	0	25
Processing and value addition													
Others													
Total (f)	**1**	**24**	**0**	**24**	**1**	**0**	**1**	**0**	**0**	**0**	**25**	**0**	**25**
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology	2	38	8	46	2	1	3	1	0	1	41	9	50
Post harvest technology and value addition	1	23	0	23	2	0	2	0	0	0	21	4	25
Others													
Total (g)	**3**	**51**	**8**	**69**	**4**	**1**	**5**	**1**	**0**	**1**	**62**	**13**	**75**
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management	4	78	12	90	6	2	8	2	0	2	96	4	100
Integrated water management													
Integrated Nutrient Management	3	70	5	75	0	0	0	0	0	0	70	5	75
Production and use of organic inputs													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Management of Problematic soils	2	42	6	48	2	0	2	0	0	0	44	6	50
Micro nutrient deficiency in crops	2	32	15	47	1	0	1	1	1	2	34	16	50
Nutrient Use Efficiency													
Balance Use of fertilizer	2	45	5	50	0	0	0	0	0	0	45	5	50
Soil & water testing													
others													
Total	**13**	**267**	**43**	**310**	**9**	**2**	**11**	**3**	**1**	**4**	**289**	**36**	**325**
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance	3	35	25	60	8	3	11	2	2	4	45	30	75
Installation and maintenance of micro irrigation systems	2	34	10	44	4	1	5	1	0	1	39	11	50
Use of Plastics in farming practices													
Production of small tools and implements	2	28	15	43	4	2	6	1	0	1	33	17	50
Repair and maintenance of farm machinery and implements	3	70	5	75	0	0	0	0	0	0	70	5	75
Small scale processing and value addition	2	5	42	47	0	3	3	0	0	0	5	45	50
Post Harvest Technology	1	0	25	25	0	0	0	0	0	0	0	25	25
Others													
Total	**13**	**172**	**122**	**294**	**16**	**6**	**25**	**4**	**2**	**6**	**192**	**133**	**325**
VII. Plant Protection													
Integrated Pest Management	3	42	25	67	4	2	6	1	1	2	47	28	75
Integrated Disease Management	4	63	27	90	5	2	7	1	2	3	69	31	100

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
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides	2	45	5	50	0	0	0	0	0	0	45	5	50
Others													
Total	**9**	**150**	**57**	**207**	**9**	**4**	**13**	**2**	**3**	**5**	**161**	**64**	**225**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development	4	68	24	92	4	2	6	0	2	2	72	28	100
Group dynamics	4	75	14	89	6	3	9	1	1	2	82	18	100
Formation and Management of SHGs	2	0	45	45	0	5	5	0	0	0	0	50	50
Mobilization of social capital													
Entrepreneurial development of farmers/youths	2	35	8	43	5	2	7	0	0	0	40	10	50
WTO and IPR issues													
Others	2	45	5	50	0	0	0	0	0	0	45	5	50
Total	**14**	**223**	**96**	**319**	**15**	**12**	**27**	**1**	**3**	**4**	**239**	**111**	**350**
XI. Agro forestry													
Production technologies													
Nursery management													

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

E)RURAL YOUTH (Off Campus)

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

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
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total													

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total													

G) Consolidated table (ON and OFF Campus)

i. Farmers& Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off0season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													

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 (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													

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

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
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

ii. RURAL YOUTH (On and Off Campus)

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

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

iii. Extension Personnel (On and Off Campus)

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total													

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agronomy	IWM	Integrated weed management in rice	1	Off campus	18	7	25	2	0	2
	ICM	Nursery management of quality rice seedling production	1	Off campus	21	4	25	2	0	2
	ICM	Management of problematic soil for higher yield and sustainability	1	Off campus	23	2	25	0	2	2
	INM	INM in sugarcane	1	Off campus	25	0	25	0	0	0
	ICM	Cultivation of stress tolerant rice varieties to mitigated climate change	1	Off campus	25	0	25	0	0	0
	IWM	Integrated weed management in groundnut	1	Off campus	24	1	25	0	0	0
	ICM	Organic farming for sustainable crop production	1	Off campus	19	6	25	1	1	2
	ICM	Integrated farming system for livelihood security	1	Off campus	20	5	25	0	0	0
	IWM	IWM in pulse crop	1	Off campus	24	1	25	0	0	0
	ICM	Low cost vermicompost production	1	Off campus	22	3	25	1	0	1
	IWM	IWM in groundnut	1	Off campus	25	0	25	0	0	0
Soil Sc.	Soil fertility management	Technique of soil sample collection and fertilizer management	1	Off campus	40	10	50	4	2	6
	INM	Green manuring in paddy	1	Off campus	25	0	25	0	0	0

	INM	Micronutrient deficiency & its control measures in vegetable	1	Off campus	25	0	25	0	0	0
	INM	Boron deficiency and its control measure in rice	1	Off campus	22	3	25	1	0	1
	Soil fertility management	Problematic soil and its management	1	Off campus	19	6	25	2	1	3
	INM	Bio-fertilizer application in vegetable	1	Off campus	19	6	25	1	1	2
	Soil fertility management	Techniques of soil sample collection technique and fertilizer management	1	Off campus	20	5	25	0	0	0
	INM	Method of lime application	1	Off campus	24	1	25	1	0	1
	ICM	Nutrient supplementation through water soluble fertilizer in tomato	1	Off campus	20	5	25	0	0	0
	INM	INM in okra	1	Off campus	24	1	25	0	0	0
	INM	Nutrient supplementation through foliar application in greengram	1	Off campus	22	3	25	1	0	1
	Soil fertility management	Management of acid soil	1	Off campus	20	5	25	0	0	0
Horticulture	Yield increment	Cultivation techniques of papaya	1	Off campus	19	6	25	2	1	3
	Yield increment	Scientific cultivation techniques of beetelvine	1	Off campus	19	6	25	1	1	2
	IPM	Major diseases & pest of solanaceous crops & their control measures	1	Off campus	20	5	25	0	0	0
	Yield increment	Cultivation techniques of tissue culture banana	1	Off campus	25	0	25	0	0	0
	Production technology	Production techniques of marigold	1	Off campus	22	3	25	1	0	1
	Income generation	Sorting, grading & packaging of vegetables	1	Off campus	15	10	25	5	2	7
	Yield increment	Important medicinal plant and their uses	1	Off campus	18	7	25	3	2	5
	Yield increment	Improved production techniques of cole crops	1	Off campus	20	5	25	1	0	1
	Production and management technology	Production techniques of apple ber and custard apple cultivation	1	Off campus	5	20	25	0	0	0
	Integrated farming	Vegetable based Integrated farming system for increasing income	1	Off campus	20	5	25	0	0	0
	Yield increment	Cultivation techniques of papaya	1	Off campus	25	0	25	0	0	0
	IDM	Major diseases and pest of cucurbitaceous crop and their control measure	1	Off campus	22	3	25	1	0	1
	Production technology	Production techniques of tuber crops	1	Off campus	5	20	25	0	0	0
Plant Protection	IPM	Integrated management of foliage feeder in rice	1	Off campus	22	3	25	1	0	1
	IDM	Integrated management of blast in rice	1	Off campus	20	5	25	0	0	0
	IPM	Management of wilting in brinjal	1	Off campus	19	6	25	2	1	3

	IDM	Integrated management of leaf spot disease in rice	1	Off campus	19	6	25	1	1	2
	IDM	Integrated management of sheath blight in rice	1	Off campus	20	5	25	0	0	0
	IDM	Integrated management of fruit borer in okra	1	Off campus	25	0	25	0	0	0
	IDM	Integrated management of tomato leaf minor	1	Off campus	22	3	25	1	0	1
Agril. Engg.	Repair and maintenance of farm machinery and implements	Care and safety measures during operation of implements	1	Off campus	20	5	25	0	0	0
	Drudgery reduction	Importance of use of weeder in rice	1	Off campus	25	0	25	0	0	0
	Repair and maintenance of farm machinery and implements	Use of rotavator	1	Off campus	22	3	25	1	0	1
	Installation and maintenance of micro irrigation system	Utility of pulse thresher	1	Off campus	5	20	25	0	0	0
	Installation and maintenance of micro irrigation system	Different line sowing implements for cereal and pulses	1	Off campus	22	3	25	1	0	1
	Repair and maintenance of farm machinery and implements	Use of mini dal mill	1	Off campus	20	5	25	0	0	0
	Installation and maintenance of micro irrigation system	Use of sprinkler irrigation in pulse	1	Off campus	19	6	25	1	1	2
	Installation and maintenance of micro irrigation system	Utility of micro irrigation	1	Off campus	20	5	25	0	0	0
	Installation and maintenance of micro irrigation system	Installation of drip irrigation system	1	Off campus	25	0	25	0	0	0
	Installation and maintenance	Utility of solar dryer	1	Off campus	5	20	25	0	0	0

	of micro irrigation system									
Agril. Extn.	CBD	Management of SGHs	1	Off campus	25	0	25	0	0	0
	CBD	Formation and management of farmer producer group	1	Off campus	25	0	25	0	0	0
	CBD	Organic farming and its role in sustainable development	1	Off campus	25	0	25	0	0	0
	CBD	Climate resilient technology for sustainable development	1	Off campus	18	7	25	2	4	6
	CBD	Alternative livelihood option for resource poor farm family	1	Off campus	20	5	25	0	1	1
	CBD	Role and importance of ICT in agricultural development	1	Off campus	5	20	25	0	0	0
	CBD	Role and importance of farm records in agricultural development	1	Off campus	22	3	25	1	0	1
	CBD	Income generation activities of SHGs	1	Off campus	20	5	25	0	0	0
	CBD	Management of SGHs	1	Off campus	19	6	25	2	1	3
	CBD	Income generation activities of SHGs	1	Off campus	19	6	25	1	1	2
	CBD	Role and importance of ITKs in agricultural development	1	Off campus	20	5	25	0	0	0
	CBD	Role and importance of farm records in agricultural development	1	Off campus	25	0	25	0	0	0

H) Vocational training programmes for Rural Youth

a) Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
	ICM	Integrated farming system for livelihood security	3	12	3	15			5	
	ICM	Seed production for higher income	3	13	2	15	-	-	1	
	Soil fertility management	Method of vermicomposting	3	11	4	15	-	-	7	
	CBD	Entrepreneurship development	3	10	5	15			2	
	CBD	Farming system approach	3	15	0	15	-	-	4	
flower	Cultivation of flower	Commercial flower cultivation	3	9	6	15			5	
seedlings	Production technology	Improved method of seedling production technique	3	10	5	15	-	-	3	

Drip irrigation	Installation and maintenance of micro irrigation system	Installation of drip irrigation system	3	15	0	15			4	
seedling	Nursery raising	Improved method of seedling production techniques	3	8	7	15			2	

*training title should specify the major technology /skill transferred

b) Details of participation

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Crop production and management													
Commercial floriculture	1	9	6	15	0	0	0	0	0	0	9	6	15
Commercial fruit production													
Commercial vegetable production													
Integrated crop management	1	12	3	15	0	0	0	0	0	0	12	3	15
Organic farming	1	11	3	15	1	0	0	0	0	0	12	3	15
Other(Improved method of seedling production techniques)	1	8	7	15	0	0	0	0	0	0	8	7	15
Total	4	40	19	55	1	0	0	0	0	0	41	19	60
Post harvest technology and value addition													
Value addition													
Other													
Total													
Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													
Income generation													

activities													
Vermicomposting	1	11	4	15	0	0	0	0	0	0	11	4	15
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery &imlements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation													
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para0vet training													
Other (Installation of drip irrigation system)	1	15	0	15	0	0	0	0	0	0	15	0	15
Total	2	26	4	30	0	0	0	0	0	0	26	4	30
Agricultural Extension													
Capacity building and group dynamics	1	15	0	15	0	0	0	0	0	0	15	0	15
Other (Entrepreneurship development)	1	15	0	15	0	0	0	0	0	0	15	0	15
Total	2	30	0	30	0	0	0	0	0	0	30	0	30
Grand Total													

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			
1	Certificate course on Insecticide Management for Dealers/Distributors-		April to October	12	EF	1	40	Self Finance
2	Agricultural Workshop on Energy Conservation		Sept, October, 2021	4	PF	4	120	PCRA
3	Capacity building training of SHGs on Vermicompost & mushroom cultivation		December, 2021	4	PF	2	100	ATMA

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(Insecticide management)	1	40	0	40	0	0	0	0	0	0	40	0	40
Total													
Post harvest technology and value addition													
Processing and value addition													

Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other(Agricultural workshop on energy conservation)	4	74	40	114	4	2	6	0	0	0	78	42	120
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	2	78	15	93	4	3	7	0	0	0	82	18	100
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	12	430	152	582	20	12	6	18	442	158	600
KisanMela	-										
KisanGhosthi	-	-	-	-	-	-	-	-	-	-	-
Exhibition											
Film Show	42	482	110	592	-	23	12	35	505	122	627
Method Demonstrations	6	45	10	55	10	2	3	5	47	13	60

Farmers Seminar											
Workshop	6	123	25	148		17	4	21	140	29	169
Group meetings											
Lectures delivered as resource persons	25	435	179	614	10	12	8	10	447	187	634
Advisory Services	41	18025	4975	23000							23000
Scientific visit to farmers field	378	478	156	634	15	-	-	-	478	156	634
Farmers visit to KVK	1067	772	295	1067	12	-	-	-	772	295	1067
Diagnostic visits	30	380	70	450	10	12	5	17	392	75	
Exposure visits	10	20	120	140	4	-	-	-	20	120	140
Ex-trainees Sammelan/entrepreneur meet	1	22	10	32	-	-	-	-	22	10	32
Soil health Camp											
Animal Health Camp	1	23	12	35	-	2	-	2	25	12	37
Agri mobile clinic											
Soil test campaigns	3	68	7	75	5	-	-	-	68	7	75
Farm Science Club Conveners meet	2	50	-	50	5	-	-	-	50	-	50
Self Help Group Conveners meetings	2	-	50	50	-	-	-	-	-	50	50
MahilaMandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)											
Sankalp Se Siddhi											
Swatchta Hi Sewa	2	15	5	20	-	2	-	2	17	5	22
MahilaKisan Divas											
Any Other (Specify)world soil Day	1	15	-	15		5	-	5	20	0	20
World Food Day	1	9	1	10	-	3	2	5	12	3	15
International Year of millet	1	85	13	98	-	4	2	6	89	15	104
Total											

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	18
Radio talks	Nil
TV talks	49
Popular articles	8
Extension Literature	2
Other, if any	

3.5 a. Production and supply of Technological products

Village seed- NA

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Grand Total											

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Vegetable seedlings											
Cauliflower											
Cabbage											
Tomato											
Brinjal											
Chilli											
Onion											
Others											
Fruits											
Mango											
Guava											

Lime											
Papaya											
Banana											
Others											
Ornamental plants											
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Others, pl.specify											
Total											

Production of Bio-Products

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

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Dairy animals											
Cows											
Buffaloes											
Calves											
Others (Pl. specify)											
Small ruminants											
Sheep											
Goat											
Other, please specify											
Poultry											
Broilers											
Layers											

Duals (broiler and layer)											
Japanese Quail											
Turkey											
Emu											
Ducks											
Others (Pl. specify)											
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings											
Spawn											
Others (Pl. specify)											
Grand Total											

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

i) Name of Seed Hub Centre:**NA**

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

iii) Financial Progress

Fund received (2017-18, 2018-19, 2019-20, 2020-21, 2021-22)	Expenditure (Rs. in lakh)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2017-18				
2018-19				
2019-20				
2020-2021				
2021-2022				

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

3.6.

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

Item	Title	Author's name	Number	Circulation
Research paper	Effect of Nano fertilizers on Growth, yield & Economics of tomato var. ArkaRakshak	Dr. Babita Mishra, Dr. L.K Mohanty, B.C Swain, S. Hati		
Research Paper	Performance of stress Tolerant Rice variety swarna Shreya under rainfed Drought-prone Areas of South Eastern Ghat Zone of Odisha	S R Dash, B K Routray, Himansu Das & N Behera		
Research Paper	Evaluation of Excess Water Tolerant Rice Varieties Swarna Sub-1 and CR-1009 Sub-1 under Head to Head project in East and South – eastern Coastal Plain Zone of Odisha	S R Dash, B K Routray,		
Research Paper	Yield gap analysis for Groundnut throughCluster Frontline Demonstration in South Eastern Ghat Zone of Odisha	Samir Ranjan Dash, Nigamananda Behera, Himansu Das, Anuj Kumar Rai, B. K Routray & N. Bar		
Seminar/conference/ symposia papers				
Books				
Bulletins				
News letter	Sabujaswapna		3	1500
Popular Articles			8	
Book Chapter	An overview of Rasogola" Traditional Indian Dairy product". Emerging challenges in agriculture and food science vol-II	B.L. Mohanta, S.L Shrivastav	-	-

Book Chapter	Recent Advances in Agriculture Sciences (volume-1)	S R Dash, B K Routray		
Extension Pamphlets/ literature	Muga phasala re samanyata upayare roga poka parichalana Chinabadama phasala ra utpadana brudhi nimante unata gyanakusala	Subrata Ku. Panigrahi, Lalita Ku. Moahnty Subrata Ku. Panigrahi, Lalita Ku. Moahnty	1 1	80 166
Technical reports	SAC report, APR, Action plan,Zonal report, CFLD oil seed pulse report, OMBADC report, Mission shakti, swachhata activity report etc.	-	28	-
Electronic Publication (CD/DVD etc)	Certificate course on Insecticide Management for Dealers, capacity building of women SHGs under Mission shakti		40 1	
TOTAL				

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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1	Annual Zonal Workshop (Through virtual mode)	Annual Zonal Workshop (Through virtual mode)	Sr. Scientist & Head and all Scientists	6.07.2021 to 8.07.2021 (3 days)	ICAR
2	SLREC Meeting (Through virtual mode)	SLREC Meeting (Through virtual mode)	Sr. Scientist & Head and all Scientists		DEE, OUAT
3	District level master trainer training programme on implementation of PMFBY 2021-22	District level master trainer training programme on implementation of PMFBY 2021-22	Mr. Subrata Ku. Panigrahi Scientist (Agril. Extn.)	8.10.2021 (1 days)	CDAO, Jajpur
4	Farmers scientist interaction programme on doubling farmers	Farmers scientist interaction programme on doubling farmers	Mr. Subrata Ku. Panigrahi Scientist (Agril. Extn.)	21.11.2021 (1 days)	OUAT
5	5th International workshop on Indian Society of Agronomy	5th International workshop on Indian Society of Agronomy	Dr. Lalita Ku. Mohanty Scientist (Agronomy)	23.11.2021 to 27.11.2021 (5 days)	
6	Workshop on B-CEMI Project, OMBADC	Workshop on B-CEMI Project, OMBADC	Dr. Lalita Ku. Mohanty Scientist (Agronomy) Mr. Subrata Ku. Panigrahi Scientist (Agril. Extn.) Mr. Subhashis Das Scientist (Soil Sc.)	13.02.2021 (1 days)	OUAT
7.	Orientation cum training programme on Agricultural statics	Orientation cum training programme on Agricultural statics	Dr. Lalita Ku. Mohanty Scientist (Agronomy)	16.07.2021 to 19.07.2021 (4 days)	

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

Name of farmer	Smt. Nayana Bhoi 
Address	Village- Nuasasan Block- Barchana, Dist-Jajpur,
Contact details (Phone, mobile, email Id)	Ph No. 9348814384
Landholding (in ha.)	4 nos. of vermicompost tank
Name and description of the farm/ enterprise	Vermicompost for income generation. She is having 4 nos. of vermicompost tank of size (3' x3' well ring units) from which she got 40kg of vermicompost at an interval of 45 days per unit.
Economic impact	The total produce was12.8 q.(3.2 q. /pit) and getting an amount of Rs. 19200/- & Rs. 13200/- as gross return ant net return respectively per annum. She could earn a profit of Rs. 13200/-.
Social impact	Impressed with the economic benefit of vermicomposting other farm women are visited her farm and established their own units in near future.
Environmental impact	-
Horizontal/ Vertical spread	She has become a successful entrepreneur and become a role model for the young mass in the district.

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)- **NA**

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

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)
1	Vegetable	2 ha	Brinjal- 185 q., Okra- 82 q.	1	Y

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

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

	followed	
1	PRA Survey, group discussion with farmers & Govt. Officials, Diagnostic field visit and Research- Extension meeting	Training, OFT and FLD

3.11. a. Details of equipment available inSoiland Water Testing Laboratory

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

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
727	28	755	1100	20	

3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	Celebration of World Soil Day 2021	60	-	-	60	60

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

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

3.13. Technology week celebration- **NA**

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

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

No of student trained	No of days stayed
35	-

ARS trainees trained	No of days stayed
NA	

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

Date	Name of the person	Purpose of visit
30.11.2021	Sj. Amar Prasad Sathpathy MLA, Barchana	KVK Visit and certificate distribution to Participants of Input Dealer Meet
22.12.2021	Dr. Hemanta Ku. Sahoo Deputy Director Extension, DEE, OUAT, BBSR	KVK Visit

4. IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Demonstration on onion var. Agrifound light red	5	52	42,600	72,300
Integrated management practices for management of stem borer in paddy	5	65	18,100	30,100
Demonstration on groundnut var. Devi	5	73	19,200	37,700
Demonstration of paddy straw mushroom	10	68	Rs. 500/10 nos bed	Rs. 760/- per 10 nos.bed (net profit)
Application of Sulphur in groundnut	5	56	34400/ha	50,775/ha
Demonstration on Oyster mushroom *H. ulmarius*	10	78	647/10 bag (net profit)	Rs. 1100/- per 10 bag (net profit)
Improved variety Rainbow rooster rearing	5	65	1680	4080
Tractor operated seed cum fertilizer drill for sowing groundnut	5	42	42389/ha	53239/ha
Tractor operated axial flow thresher for threshing paddy	5	45	26050/ha	28290/ha
Tomato variety ArkaRakshak	5	35	91336/ha	156042/ha
biological control of shoot and fruit borer in Brinjal	5	53	96990/ha	143400/ha
IWM in greengram	5	18	6500/ha	9000/ha

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

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

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

Give information in the same format as 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

4.4. Details of innovations recorded by the KVK- NA

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

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Hi-tech Vegetable farming
Name & complete address of the entrepreneur	Sri. Sisira Kumar Rout Vill- Bahabalapur GP- Odisho Block- Rasulpur Dist- Jajpur
Role of KVK with quantitative data support:	Training and method demonstration as well as supervision, advisory & monitoring given by Scientist of KVK,Jajpur.
Timeline of the entrepreneurship development	2 yrs
Technical Components of the Enterprise	Drip irrigation, mulching, trailing system

Status of entrepreneur before and after the enterprise	He cultivated paddy and other vegetables in an area of 3 acre by adopting micro irrigation (drip) system and mulching. From these crops he earns Rs. 2,52,500/- net income per year
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Mulching & drip irrigation saves labour& require less water for the growth and development of the crop which is economically sustainable .
Horizontal spread of enterprise	He has become a successful entrepreneur and become a role model for the young mass in the district. 3-4 farmers started this enterprise recently after visiting his farm.

4.6. Any other initiative taken by the KVK- **NA**

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Orissa University of Agriculture and Technology	Technical support and guidance
Department of Agriculture and food production	Joint Field visit during disease and pest problem
Department of Animal husbandry	Organization of Animal health camp
Department of Horticulture	Joint field visit
ATMA	Conduction of farmers scientist interaction program
NABARD	Linking the entrepreneurs to NABARD for financial support
IFFCO	Working jointly for farmers.
OLM	Linking the entrepreneurs to OLM
CRIJAF	Procurement Planting material, seeds
Watershed mission	Working jointly for farmers field visit

5.2. List of special programmes undertaken during 2021by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

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

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

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

1.Farmers scientists interaction.	1.To assess different problems faced by farmers in agriculture & allied sector	21.12.2020	1.ATMA	
2. capacity building of women SHGs on vermicomposting	2. To make them self sustainable by adopting the enterprise vermicomposting.		2.Mission shakti	
3. Agriculture workshop on conservation of energy	3. conservation of energy while using tractor and different agricultural implements in field, energy conservation during operation of pump and created awareness for judicious use of LPG, precision farming, utility of micro irrigation and use of solar energy.	15.09.2021 & 22.09.2021 & 8.10.2021 & 26.10.2021	3.PCRA	
4. Certificate course on Insecticide Management for Dealers/Distributors-	4. Awareness about insecticide management in crops and vegetables.		4.Insecticide Input dealer	

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1	Floriculture	2021	200 m.sq.	Tube rose Var.	No. of sticks	150 stick		300	
2	Polyhouse	2011	174 sq.m	Cauliflower Var. white contesa)	PM	2000	380	1000	
				Cabbage Var. Blue Jay	PM	2000	300	1000	
				Chilli Var. Arkakhyati, siam hot		5000	1200	2500	
				Tomato Var. Arkarakhyak, VNR-3348	PM	27000	11390	27000	
				Brinjal Var. KJ-8031	PM	10000	2500	5000	
				Onion Var. Agrifound light red	PM	80000	4200	8000	
				Capsicum Var. ArkaAtulya	PM	3000	4000	12000	
				Brocoloi Var. Known-You, F1 Hybrid	PM	1000	380	1000	
				Papaya Var. Red lady, vinayak	PM	500	4000	12500	

				Moringa Var. ODC-3, dwarf moringa	PM	500	3000	5000	
	Total					**131000**	**31350**	**75000**	

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Paddy	3.08.2021	30.12.21	5.50	Swarna Sub-1	FS	190 q. (Approx.)	4,30,000/- (Approx.)	575,890 (Approx.)	
Paddy	4.08.2021	31.12.21	0.50	CR-1009-Sub-1	FS	20 q.	40,000/-	60,620/- (Approx.)	

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermicompost	8800 kg	-	-	

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Poultry	var. Kadaknath, Chhabro	Chicks	2000 nos.			
2.	Pisciculture	IMC	Fingerlings	5000 nos.		20000	
3.							

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
November	20	2 days	
Total :			

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed: completed
No. of staffquarters:1
Date of completion: 2011

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
January-December, 2021	QI					

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current account	SBI	Chandikhole	11016309099
Saving account	SBI	Chandikhole	32039806804

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April, 2021
	Kharif	Rabi	Kharif	Rabi	
CFLD Oil seed (Groundnut)	-	240,000/-	-	2,40,000/-	Nil
CFLD oil seed (Sunflower)	-	60,000/-	-	60,000/-	Nil

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2021
	Kharif	Rabi	Kharif	Rabi	
CFLD Pulse (Greengram)	-	1,20,000/-	-	1,20,000/-	Nil

2019.5. Utilization of KVK funds during the year 2021-22(Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	1,18,00,000/-	1,18,00,000/-	-
2	Traveling allowances	1,20,000/-	1,20,000/-	
3	Contingencies			
A	Stationary, telephone and office expenditure, publication, newsletter	4,80,000/-	4,80,000/	4,80,000/-
B	POL, repair of vehicle, tractor equipment			
C	Meal refreshment for residential and non residential			
D	Training material	3,60,000/-	3,60,000/-	3,60,000/-
E	FLD	1,80,000/-	1,80,000/-	1,80,000/-
F	OFT	1,80,000/-	1,80,000/-	1,80,000/-
G	SCSP	11,00,000/-	11,00,000/-	11,00,000/-
H	HRD	30,000/-	30,000/-	30,000/-
I				
J	Swachhta Expenditure/ SAP Fund	15,000/-	15,000/-	-
TOTAL (A)		1,42,65,000/-	1,42,65,000/-	1,42,50,000/-
B. Non-Recurring Contingencies				
1	Library	10,000/-	10,000/-	10,000/-
2	Equipment & furniture	2,50,000/-	2,50,000/-	2,50,000/-
3	Borewell	2,00,000/-	2,00,000/-	2,00,000/-
4				
TOTAL (B)		4,60,000/-	4,60,000/-	4,60,000/-
C. REVOLVING FUND		-	-	-
GRAND TOTAL (A+B+C)		**1,47,25,000/-**	**1,47,25,000/-**	**1,47,10,000/-**

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)
2019-20	3,78,672/-	3,82,903/-	682806/-	
2020-21	76,944/-	1335610/-	1161468/-	
2021-22	174142/-	932550/-	500087/-	

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

7.7. Joint activity carried out with line departments and ATMA

Nameof activity	Number of activity	Season	With line department	With ATMA	With both
Animal health camp	1	Rabi	Dept. of Animal Husbandary and KVK		
PoshanMaahprogramme	1	kharif	IFFCO and KVK		
Farmers Scientist interaction	1	Rabi		With ATMA	
Joint field visit was conducted for monitoring insect pest attack in paddy	8	Kharif, Rabi	Dept. of Agriculture and KVK	With ATMA	
Training programme of farm women on mushroom cultivation	7	Rabi	Dept. of Horticulture and KVK		
District level Research Extension Meeting	11		Dept. of Agriculture and KVK		

8. Other information

8.1. Prevalent diseases in Crops- NA

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)

8.2. Prevalent diseases in Livestock/Fishery-NA

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

9.1. Nehru YuvaKendra(NYK) Training- NA

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

9.2. PPV & FR Sensitization training Programme- NA

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

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

Type of message	No. of messages	No. of farmers covered
Crop	23	23000
Livestock	2	
Fishery	-	
Weather	2	
Marketing		
Awareness	4	
Training information		
Other	10	
Total	41	23000

9.4. *KVK* Portal and Mobile App

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

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
5.10.2021 & 07.10.2021 (2 days)	2

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office		
2. Basic maintenance		
3. Sanitation and SBM	8	
4. Cleaning and beautification of surrounding areas	4	
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	5	
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level	2	
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)	4	
14. No of Staff members involved in the activities		
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)		
Total		

9.6. Observation of National Science day NA

Date of Observation	Activities undertaken

9.7. Programme with SeemaSurakshaBal/ BSF- NA

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school- NA

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

Give good quality 1-2 photograph(s)

9.9. Details of Swachhta Hi Surakshaprogramme(16-31.12.2021) organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	10	14	248	-	-

9.10. Details of MahilaKisan Divas programme(15.10.2021) organized - NA

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

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

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

9.12. Revenue generation

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

9.13. Resource Generation:

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

9.14. Performance of Automatic Weather Station in KVK - NA

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

9.15. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Odisha	Jajpur	ICM	2	50	

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. Celebration of World Food Day in 2021

Sl. No.	**Activities undertaken**	**No. of VIPs attended**	**No. of participants**		
			M	**F**	**T**
1	**2**	**-**	**15**	**65**	**80**

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

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

Award received by Farmers from the KVK district

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

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

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

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

16. Integrated Farming System (IFS)

Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1	Banana	0.1 ha	80 bunches	12,500/-	30000/-	8 nos.	33.3%
2	Pisciculture	0.1 ha	1,00,000	1,00,000	1,80,000		
3	Paddy straw mushroom	100 bed	75 kg	8000/-	13500/-		
4	Oyster mushroom	50 beds	50 kg	3000/-	4000/-		
5	Vermicompost	4 tanks	400 kg	2000/-	6000/-		

17. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	Demonstration on Integrated Weed Management in greengram	Post emergence application of herbicide Imazethapyr @750ml/ha 15DAS	9000/-	210	
2	Demonstration on Kadaknath poultry for income generation	Rearing of dual purpose poultry bird "Kadaknath", body weight 1200-1500 g/ 4 months, egg laying capacity 190 nos. of egg/ year	Avg.Body wt./bird in 4 months- 1.5 kg 920/-	32	
3	IWM in Maize	Weeding through earthing up at 15 DAS +use of herbicide Tembotrione 42% SC @287.5 ml/ha at 20 DAS	44500/-	45	
	Demonstration on tomato variety Arka Rakshak	Cultivation of tomato variety Arka Rakshak with recommended package of practices, planting Oct-Nov, spacing- 2.5 ft X 2.5 ft. , 9900 seedling/ha , fertilizer -150:120:150 kg/ha	1,56,042/-	62	
	Demonstration on Bio inoculants to increase size and weight of cauliflower in rabi	STBF(80%NPK)+ Seed treatment with Arka Microbial consortium @10g/100g seed +Soil application with 5 kg Arka Microbial consortium mixed with 500kg FYM	72,170/-	50	

18. a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2021- NA

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

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2021- NA

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

19. Information on NARI Project(if applicable)- NA

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**

20. Specific programmes for the period

i. Achievements in SCSP (Scheduled Caste Sub-Plan) (Specific for SC farmers only)

Sl. No.	Activity	No. of SC farmers/ stakeholders		
		Male	Female	Total
1	On- farm trials	-	-	-
2	Frontline demonstrations	128	90	218
3	No. of Training programmes for farmers	5	-	5
4	Farmers trained	65	60	125
5	No. of Training programmes for Extension Personnel	-	-	-
6	Extension Personnel trained	-	-	-
7	Participants in extension activities	150	100	250
8	Distribution of seed			
9	Planting material distributed	43	-	43
10	Livestock strains and fingerlings distributed			
11	Soil, water, plant, manures samples tested			
12	Mobile agro-advisory provided to farmers	423	250	637
13	Other (critical inputs)		20	20

ii. Capacity building of farmers through training on Profitable Dairy Farming and Livestock Management (In case your KVK has Scientist (Animal/Veterinary Science))- NA

Sl. No.	Title of the training	Date/ Duration	No. of Participants							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F

iii. Status of Natural Farming- NA

Crop/ Commodity involved in Natural farming	Area covered under such farming (ha)	No. of farmers practicing Natural farming at present	Details of individual farmers (Name and Contact No.)	Organic component/ inputs used for such farming

iv. Farmer Producer Organizations

a) General information

Sl. No.	Name & Address of FPO	Name &Contact No. of Head of FPO	No. of farmer members of FPO			Crop/ Enterprise dealt with by FPO	Kind of support provided by KVK in running/ starting of FPO (in brief)
			M	F	T		

1	Maa Biraja Groundnut Processing Pvt. Ltd. OLEPADA, SIMILIA, Dist- Jajur PIN- 755007 Ssamal639@gmail.com 7377283602 Regd No. U15493OR2016PTC020072	SAHELI NGO, OLEPADA, SIMILIA, Dist- Jajur	432	99	531	Groundnut production, processing, packaging, value addition , shorting and grading	Technical guidance , collaborative work i.e, training, demonstration and workshop
2	Jajati Farmer Producer Company Ltd. C/O- Baisanaba Ch. Jena Mirchandpur Jajpur Town Dist- Jajpur Mob- 9438090256 Regd No. UO1100OR2019PTC031588	PAGE NGO, Mirchandpur Jajpur Town Dist- Jajpur	382	118	500	Procurement and marketing of black rice	Technical guidance , collaborative work i.e, training, demonstration and workshop
3	Sidheswar Farmer Producer Company Ltd. C/O- Abhinna Sahoo At/po- Bhakandari Block- Korei, GP-Karada, Dist- Jajpur Mob- 8658355714 Regd No. UO11140R2020PTC034060	NABARD, Jajpur	298	17	315	Production and marketing of high yielding var. paddy, pulses, vegetables & mushroom	Technical guidance , collaborative work i.e, training, demonstration and workshop
4	Taradevi Farmer Producer Company Ltd. C/O- SaraswatiBala At/PO- Kabirpur Dist- Jajpur Mob- 6370578031 Regd No. UO1100OR2020PTC033881	NABARD, Jajpur	293	215	508	Production of mushroom and vegetable seedling and processing of spices, dal etc.	Technical guidance , collaborative work i.e, training, demonstration and workshop

b) Financial information- NA

Name & Address of FPO	**Date of Registration**	**FPO Registered (Y/N)**	**Application Submitted for Registration (Y/N)**	**No. of share-holding farmer members**	**Equity Amount Collected (Rs.)**	**Bank Account Opened (Y/N)**	**Board Reconstituted after attaining minimum membership (Y/N)**

v. Nutri-gardens (Village wise)

Sl. No.	Name of village	Name of crop	Area under the crop (acre)	No. of farmers			Whether bio-fortified variety of crop used (If yes, mention variety & crop)
				M	F	T	Yes
1	Dihakuransa	Bittegourd	0.2	0	10	10	Tomato var. Arka Rakshak, cabbage var. Red cabbage, capsicum var. Arka Atulya
		Okra	0.1				
		Chilli	0.1				
		Onion	0.1				
		Tomato	0.2				
		Cauliflower	0.1				
		Brinjal	0.1				
		cabbage	0.1				
		capsicum	0.1				
		pointedgourd	0.1				

vi. Progress report on scientific beekeeping (2020-21 & 2021-22)- NA

Name of KVK	Total budget allotted (Rs.)	Total budget utilized (Rs.)	Physical Training organized				Online Training organized			
			No. of training	No. of total participants			No. of training	No. of total participants		
				M	F	T		M	F	T

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

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

22. Good quality action photographs (with proper caption) of overall achievements of KVK during the year (best 10)

Assessment of Sulphur and Boron for higher yield in cabbage

OFT of IWM in Maize

OFT of Management practices of neckblast in paddy

OFT on Potato variety

OFT on different trellis in bittergourd for higher production

OFT on sweet corn varieties for higher income

FLD on Bio inoculants to increase size and weight of cauliflower

FLD on weed management in greengram

FLD on tomato var. Arka ralshak

FLD on Multicrop seed cum fertilizer drill in groundnut

FLD on Kadaknath poultry for income generation

FLD on liming for higher productivity in groundnut

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