Lt. No. 200 /Date: 08.05.2023

ANNUAL PROGRESS REPORT
January 2022 to December 2022

KRISHI VIGYAN KENDRA, JAJPUR

OUAT, BHUBANESWAR

PROFORMA FOR ANNUAL REPORT 2022 (January-December 2022)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
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, 2022**)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/ Temporary	Category (SC/ ST/ OBC/ Others)
1	Senior Scientist& Head	Dr. 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

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	-	-	-	-	completed	770	Use	ICAR
8	Farm godown		-	-	-	Completed	126	Use	ICAR
9.	Dairy unit	-	-	-	-	-	-	-	-

10.	Poultry unit					compl eted		Use	ICAR
11.	Goatary unit	-	-	-	-	-	-	-	-
12.	Mushroom Lab	-	-	-	-	-	-	-	-
13.	Mushroom production unit	-	-	-	-	Compl eted		Use	RKVY
14.	Shade house	-	-	-	-	-	-	-	-
15.	Soil test Lab	-	-	-	-	-	-	-	-
16	Others, Please Specify								
17	Vermin compost unit					Compl eted	14.4 sq.m	Use	ICAR
18	Boundary wall					Compl eted	6473 ft length	Use	ICAR
19	Bore well					compl eted	-	Use	ICAR

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

B) Vehicles

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

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
Tractor	2022-23	655297	Working	ICAR
c. AV Aids				
Laptop	2008-09	50,000	Not Working	ICAR
Honda Generator	2010-11	50.000	Not Working	ICAR
Digital Camera	2011-12	20,000	Working	ICAR
HP printer	2011-12	8000	Working	ICAR
Public address system	2011-12	25,000	Working	ICAR
Printer cum Xerox	2015-16	50,000	Working	ICAR
Laptop	2016-17	50,000	Working	ICAR
Desktop Computer	2016-17	50,000	Working	ICAR
Printer Cum Xerox	2016-17	15000	Working	ICAR
Micro phone	2020-21	2500	Working	ICAR
LCD multimedia projector	2021-22		Working	ICAR
LCD screen	2021-22	11000	Working	ICAR
Laptop (Dell)	2021-22		Working	ICAR

Desktop computer	2022-23	46500	Working	ICAR
HP laserjet printer	2022-23	18000	Working	ICAR
Head phone	2022-23	700	Working	ICAR
speaker	2022-23	1100	Working	ICAR
Presenter (Logitech)	2022-23	1100	Working	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
MB Plough	2012-13	26,000	Working	RF
Nine 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 of SAC meeting* conducted in the year

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	09.12.2022	34	Intervention on IFS model should be taken in action plan		
			Intervention on bio pesticides to control leaf minor in tomato should be taken in action plan of 2023-24.		
			Intervention on crop diversification for increasing farmers income		
			Awareness on millets mostly Ragi should be taken in the programme of KVK, Jajpur		
			Intervention on micro irrigation with fertigation should be taken in the action plan		
			Training programme on high value crop for the benefit of the farmer		

			Intervention mainly training programme on honeybee should be conducted in large scale to create awareness among the farmers		
			Intervention on pointed gourd should be taken in the action plan		
			Intervention on groundnut digger should be taken in the action plan		
			Climate regilient tuber crops i.e yam, elephantfoot yam should be taken in the demonstration programme		
			Intervention should be taken on Sweet potato variety Bhukrishna, Bhuswarna in the action plan.		
			Intervention should be taken on Sweetcorn		
			Awareness on the implements for sowing and harvesting of Ragi		
			Intervention on scented Rice		
			Intervention on Organic pesticides in crops and vegetables.		
			Intervention on Biofertilizers in crops and vegetables		
			Intervention on Boron should be taken in large scale		
			Fry and fingerlings should be conducted in KVK, Campus pond		
			More dual purpose poultry bird demonstration in the campus.		

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

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

Sl. no.	Item	Information
1	Major Farming system/enterprise	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 (2022)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops &enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1		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	Improved crop management practices in cereals, Pulses, vegetables and cash crops. Varietals substitution in field and horticultural crops Enreprenurship development poultry, Farm mechanisaiton

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

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2021-22) 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.	Poultry, duckery, goatery and dairy farming.

17.	Protected cultivation and precession farming.

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			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
11	11	100	15	4	-	-	80	1	95	5	100	25	25	346	70	7	1	-	205	63	276	70	346

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
86	86	2150	241	56	50	7	1293	509	1584	566	2150	2556	2404	-	68	20	23	6	1728	962	1819	988	2807

Impact of capacity building		Impact of Extension activities	
Number of Participants trained	Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)	Number of Participants	Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)

											attended										
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
180	180	30	4	-	-	121	25	151	29	180											

Seed production (q)	
Target	Achievement
240	240

Planting material (in Lakh)	
Target	Achievement
150000	133248

Livestock strains and fish fingerlings produced (in lakh)*	
Target	Achievement
5000 nos. fingerlings	5000nos. fingerlings

Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement
1000	1124

- * 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	2	1000					
Popular Articles	-	-					
Book Chapter	2						
Extension Pamphlets/ literature	7						
Technical reports	6						
Electronic Publication (CD/DVD etc)	2						
TOTAL							

1 Achievements on technologies assessed and refined

OFT-1

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

Thematic area: INM

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

Technology assessed: INM in scented rice

Table:

Technology option	No. of trials	Yield component			Panicle Length (cm)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Plant height in cm	No of Grains/ panicle	No of tillers/m2						
FP: Scented rice var. Sitabhog Use of low dose of fertilizer (40-30-20 kg NPK/ ha +FYM 1 t/ha)	7	92.1	165	198.5	17.6	31	70000	155000	85000	2.21
TO1: Recommended dose of fertilizer (60-30-30 kg NPK/ ha + FYM 2.5 t/ha + Zn 5kg/ ha+ S 20kg/ha)	7	95.5	198	202.7	18.2	37	73000	185000	112000	2.53
TO2: - Recommended dose of fertilizer (60-30-30 kg NPK/ha + FYM 5 t/ha + Zn 5kg/ha+ S 20kg/ha + Azospirrilum 5kg/ha + PSM 5kg/ha)	7	98.8	204	237.8	19.1	41	78000	205000	127000	2.62

OFT-2

1.	Title of On farm Trial	**Assessment of Sulphur management in greengram**
2.	Problem diagnosed	Low yield due to poor plant growth and pod filling
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1: Recommended dose of fertilizer (20-40-20 kg NPK/ha) + FYM 5 t/ ha + sulphur 30 kg/ha (through elemental Sulphur- Bentonite sulphur 90%) TO_2-Recommended dose of fertilizer (20-40-20kg NPK/ha) + FYM 5

		t/ha + S 30kg/ha (through Phospo gypsum)
4.	Source of Technology (ICAR/ AICRP/SAU/ other, please specify)	BCKV, 2012
5.	Production system and thematic area	Rice-pulse, INM
6.	Performance of the Technology with performance indicators	Plant ht. (cm), days to 50% flowering, No of tillers/m2, Panicle Length (cm), No of Grains/panicle., Test wt(g)
7.	Final recommendation for micro level situation	Continued for farm trial in the second year
8.	Constraints identified and feedback for research	Supplementation of Sulphur through Phosphogypsum increased the yield of greengram
9.	Process of farmers participation and their reaction	Directly involved in conducting OFT, participated in training, field day, group interaction and agreed to adopt the technology

Thematic area: INM

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

Technology assessed: **Micro nutrient management**

Table:

Technology option	No. of trials	Yield component	Yield (q/ha)	% change in yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ ha)	Net return (Rs./ha)	BC ratio
		No of pods/plant						
FP: Use of low dose of fertilizer (20-20-0 kg NPK/ha)	7	19.5	5.5		23500	38500	15000	1.63
TO1: Recommended dose of fertilizer (20-40-20 kg NPK/ha) + FYM 5 t/ha + sulphur 30 kg/ha (through elemental Sulphur-	7	22.4	6.4	16.3	24500	44800	20300	1.82

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

OFT-3

1.	Title of On farm Trial	**Assessment of INM in Tube rose**
2.	Problem diagnosed	Less profit due to low yield and quality
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1- 75% N (Urea) + 25% N (Mustard oil cake) with usual P& K TO_2: - NPK @80:40:50 kg/ha + vermicompost @ 1kg/m2 + karanj oil cake @ 250g/m2
4.	Source of Technology (ICAR/ AICRP/SAU/ other, please specify)	OUAT 2016-17, Annual report
5.	Production system and thematic area	vegetable-flower, INM
6.	Performance of the Technology with performance indicators	No. of flower/spike, Spike length (cm.), Vase life(days)
7.	Final recommendation for micro level situation	Continued for farm trial in the second year
8.	Constraints identified and feedback for research	Application of vermicompost and KOC with chemical fertilizer increased yield and quality of tube rose
9.	Process of farmers participation and their reaction	Field day, farmers scientist interaction, diagnostic field visit

Thematic area: INM

Problem definition: Less profit due to low yield and quality

Technology assessed: **INM in Tube rose**

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	% change in yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of flower/spike	Spike length (cm.)	Vase life (days)						
FP: NPK @80:40:50 kg/ha without organic fertilizer	7	25.74	53.1	5.31	9.37		57,000	1,31,194	74,194	2.30
TO1- 75% N (Urea) + 25% N (Mustard oil cake) with usual P& K	7	30.71	56.42	6.41	12.42	32.5	65,000	1,86,300	1,21,300	2.87
TO2: - NPK @80:40:50 kg/ha + vermicompost @ 1kg/m2 + karanj oil cake @ 250g/m2	7	32.75	58.71	7.52	14.22	51.7	65,000	2,13,345	1,48,345	3.28

OFT-4

1.	Title of On farm Trial	**Assessment of Arka vegetable special (Micronutrient technology for higher yield & quality in cauliflower)**
2.	Problem diagnosed	Low curd weight and curd size
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: RDF + application of Arka vegetable special @5g/lit. first spray 25-30 days after planting second spray 25 days after FS TO2: - RDF +application of Arka vegetable special + Soil application with 5 kg AMC mixed with 500kg FYM/ha
4.	Source of Technology (ICAR/ AICRP/SAU/	IIHR, Banglore 2016

	other, please specify)	
5.	Production system and thematic area	Vegetable-vegetable, Nutrient management
6.	Performance of the Technology with performance indicators	Avg.curd weight(gm), shelf life of curd (days), Size of curd
7.	Final recommendation for micro level situation	Continued for farm trial in the second year
8.	Constraints identified and feedback for research	Application of Arka vegetable special along with AMC powder & chemical fertilizer increased yield 22.08% over FP and also increased shelf life 2 days more than farmers practice
9.	Process of farmers participation and their reaction	Field day, farmers scientist interaction, diagnostic field visit

Thematic area: INM

Problem definition: Low curd weight and curd size

Technology assessed:

Table:

Technology option	No. of trials	Yield component		Yield (q/ha)	% change in yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Avg.curd weight(gm)	shelf life of curd (days)						
FP: NPK @120:50:50 kg/ha +Foliar application of micronutrient (3ml./lit) at 30 DAT	7	672.68	3.51	221.97		44200	110985	66785	2.51
TO1: RDF + application of Arka vegetable special @5g/lit. first spray 25-30 days after planting second spray 25 days after FS	7	746.57	4.5	246.36	10.9	46200	123180	76980	2.66

TO2: - RDF +application of Arka vegetable special + Soil application with 5 kg AMC mixed with 500kg FYM/ha	7	821.24	5.4	271	22.08	48600	135500	86900	2.78

OFT-5

1.	Title of On farm Trial	**Assessment of nano urea liquid fertilizer in transplanted rice**
2.	Problem diagnosed	Low yield due to less efficacy of nitrogenous fertilizer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: 50 % recommended N + 100 % P and K as basal application and two sprays Nano urea @ 0.2 % tillering and PI stage TO2: 75 % recommended N + 100 % P and K as basal application and two sprays Nano urea @ 0.2% at tillering and PI stage
4.	Source of Technology (ICAR/ AICRP/SAU/ other, please specify)	AAU, Annual report 2019-20
5.	Production system and thematic area	Rice-vegetable
6.	Performance of the Technology with performance indicators	No. of panicles/m2, Test wt. in gm.
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	Application of nano urea enhance the yield 20.09% and reduce the conventional use of urea
9.	Process of farmers participation and their reaction	Field day, farmers scientist interaction, diagnostic field visit and agreed to adopt the technology

Thematic area:

Problem definition: Low yield due to less efficacy of nitrogenous fertilizer

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

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	% change in yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ ha)	Net return (Rs./ha)	BC ratio
		No. of panicles/ m2	Test wt. in gm.	Test wt. (100 grain wt.)						
FP: 100 % N (as conventional urea application), P and K	7	198.5	22.13		41.30		41000	80535	39535	1.96
TO1: 50 % recommended N + 100 % P and K as basal application and two sprays Nano urea @ 0.2 % tillering and PI stage	7	238	22.81		46.50	12.59	42800	90675	47875	2.11
TO2: 75 % recommended N + 100 % P and K as basal application and two sprays Nano urea @ 0.2% at tillering and PI stage	7	267	22.97		49.60	20.09	43200	96720	53529	2.23

OFT-6

1.	Title of On farm Trial	**Assessment of Consortia of micro organism(Azotobacter,Azospirillium & PSB) in Pointed gourd**
2.	Problem diagnosed	Low yield and poor plant growth
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: STBF(120:80:80) + 100 kg of FYM inoculated with 4 kg Azotobacter, Azosprillium,& PSB each TO2: STBF + 5 kg lime mixed with 100 kg of FYM & inoculated with 4 kg Azotobacter,Azospirilium & PSB each.
4.	Source of Technology (ICAR/ AICRP/SAU/ other, please specify)	SLREC Proceedings ,OUAT.2015
5.	Production system and thematic area	Vegetable-vegetable
6.	Performance of the Technology with performance indicators	Length of Vine,Vine girth,No of branches/plant,Length of fruit,Single fruit weight.
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	Lime, FYM & bio-fertilizer stimulate microbial activity & enhances the growth as well as quality of fruit & also increases the yield by 20.64%
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:

Problem definition: Low yield and poor plant growth

Technology assessed: **Assessment of Consortia of micro organism(Azotobacter,Azospirillium & PSB) in Pointed gourd**

Table:

Technology option	No. of trials	Yield component fruit weight in gm.	Yield (q/ha)	% change in yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP: N:P:K (100:50:60) Kg/ha	7	16.7	218		148000	436000	288000	2.94
TO1: STBF(120:80:80) + 100 kg of FYM inoculated with 4 kg Azotobacter, Azosprillium,& PSB each	7	20.3	254	16.51	155000	508000	353000	3.27
TO2: STBF + 5 kg lime mixed with 100 kg of FYM & inoculated with 4 kg Azotobacter,Azospirilium & PSB each.	7	24.4	263	20.64	157000	526000	369000	3.35

OFT-7

1.	Title of On farm Trial	**Assessment of IPM modules for the management of Fall Army Worm (Spodoptera frugiperda) and other major insect pest of maize**
2.	Problem diagnosed	Low yield due to Heavy incidence of FAW
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: Seed treatment with (cyzapyr + thiamethoxam) @ 6 ml/ kg seed + Installation of bird perches up to 45 DAS + Foliar application of tetraniliprole @ 200 ml/ ha at 30 DAS + Whorl application and field placement of Poison baits (10 kg rice bran + 2 kg jaggery+ 2-3 l of water+ 100 g thiodicarb) at 45 DAS TO2: - Installation of pheromone trap.Spray of Azadirachtin 1500 ppm @ 5ml/lit at 10 days after planting.Spray of Bacillus thuringiensis (Bt) (2.5kg/ha) ,Release of Trichogramma chilonis @ 1.0 lakh/ha,Need based application of Chlorantraniliprole 18.5% SC @ 200ml/ha
4.	Source of Technology (ICAR/ AICRP/SAU/ other, please specify)	NCIPM-2020

5.	Production system and thematic area	Low yield due to Heavy incidence of FAW
6.	Performance of the Technology with performance indicators	% of infestation, Yield
7.	Final recommendation for micro level situation	It can be demonstrated in large scale for wider adoption
8.	Constraints identified and feedback for research	Application of TO1 increased yield 19.2% over FP and reduction over control of ESB infestation 57.1%
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: IPM

Problem definition: Low yield due to Heavy incidence of FAW

Technology assessed: IPM modules for the management of Fall Army Worm (Spodoptera frugiperda).

Table:

Technology option	No. of trials	Yield component **% of infestation**	Yield (q/ha)	% change in yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ ha)	Net return (Rs./ha)	BC ratio
FP: Application of Chloro + Cyper @ 2ml/lit	7	23.8	45.14		62000	112000	50000	1.82
TO1: Seed treatment with (cyzapyr + thiamethoxam) @ 6 ml/ kg seed + Installation of bird perches up to 45 DAS + Foliar application of tetraniliprole @ 200 ml/ ha at 30 DAS + Whorl application and field placement of Poison baits (10 kg rice bran + 2 kg jaggery+ 2-3 l of water+ 100 g thiodicarb) at 45 DAS	7	10.2	53.91	19.2	66700	134775	68075	2.02
TO2: - Installation of pheromone trap.Spray of	7	12.5	50.47	11.8	65200	126175	60975	1.93

Azadirachtin 1500 ppm @ 5ml/lit at 10 days after planting.Spray of Bacillus thuringiensis (Bt) (2.5kg/ha) ,Release of Trichogramma chilonis @ 1.0 lakh/ha,Need based application of Chlorantraniliprole 18.5% SC @ 200ml/ha.								

OFT-8

1.	Title of On farm Trial	**Assessment of integrated disease management against wilting in Brinjal**
2.	Problem diagnosed	Low yield due to heavy wilt incidence
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: Seed treatment with (Metalaxyl + Mancozeb) @ 2gm/kg + Soil application of Carbofuran 1kg a.i./ha in the main field+ soil drenching of Carbendazim @ 0.15@%+ Streptocycline @0.015% at 30 and 45 DAT. TO2: Application of 1 ton /ha of FYM enriched with Biofer Pf-2 consortium of T .viridae and P .floroscence.
4.	Source of Technology (ICAR/ AICRP/SAU/ other, please specify)	OUAT -2019-20, Annual report
5.	Production system and thematic area	Vegetable-vegetable, IDM
6.	Performance of the Technology with performance indicators	wilting incidence %, Plant growth, no of fruits /plant ,
7.	Final recommendation for micro level situation	Technology needs again refinement in research level
8.	Constraints identified and feedback for research	Low efficacy of technology
9.	Process of farmers participation and their reaction	Directly involved in conducting OFT, participated in training, field day, group interaction and agreed to adopt the technology

Thematic area: IDM

Problem definition: **Low yield due to heavy wilt incidence**

Technology assessed: **Integrated disease management against wilting in Brinjal**

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
		wilting incidence %	**Reduction over control**							
FP: Application of Carbendazim and Mancozeb @2gm/lit	7	198.5	22.13		41.30		41000	80535	39535	1.96
TO1: Seed treatment with (Metalaxyl + Mancozeb) @ 2gm/kg + Soil application of Carbofuran 1kg a.i./ha in the main field+ soil drenching of Carbendazim @ 0.15@%+ Streptocycline @0.015% at 30 and 45 DAT.	7	238	22.81		46.50	12.59	42800	90675	47875	2.11
TO2: Application of 1 ton /ha of FYM enriched with Biofer Pf-2 consortium of T .viridae and P .floroscence.	7	267	22.97		49.60	20.09	43200	96720	53529	2.23

OFT-9

1.	Title of On farm Trial	**Assessment of bullock drawn seed-cum- fertilizer drills for sowing of maize.**
2.	Problem diagnosed	High labour cost for sowing of maize behind the plough

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: Bullock drawn single- row- seed cum fertilizer drill TO2: - Bullock drawn three -row seed- cum fertilizer drill
4.	Source of Technology (ICAR/ AICRP/SAU/ other, please specify)	AICRP on UAE, CAET, OUAT 2014
5.	Production system and thematic area	Farm mechanization
6.	Performance of the Technology with performance indicators	Field capacity (ha/h), labour requirement, No. Of plants/sqm
7.	Final recommendation for micro level situation	Using bullock drawn three row seed cum fertilizer drill is reducing labour requirement
8.	Constraints identified and feedback for research	Proper land preparation is required before operation of the seed drills
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: Farm mechanization

Problem definition: High labour cost for sowing of maize behind the plough

Technology assessed: Assessment of bullock drawn seed-cum- fertilizer drills for sowing of maize.

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 (ha/h)	Labour requirement(mandays/ha)	No. Of plants/sqm						
FP: Sowing behind the plough	7	0.028	10	6.57		52.4	66700	131000	64300	1.96
TO1: Bullock drawn single- row- seed cum fertilizer drill	7	0.028	5	6.42		53.2	65200	133000	67800	2.04
TO2: - Bullock drawn three	7	0.16	1	6.71		53.5	62000	133750	71750	2.16

-row seed- cum fertilizer drill										

Table:

OFT-10

1.	Title of On farm Trial	**Assessment of sprinkler irrigation for higher yield in greengram**
2.	Problem diagnosed	No supplemental irrigation leads to low yield
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1: Sprinkler irrigation once at Pre flowering stage TO_2:- Sprinkler irrigation once at Pre flowering stage and once at pod formation
4.	Source of Technology (ICAR/ AICRP/SAU/ other, please specify)	IIWM, BBSR, 2017-18
5.	Production system and thematic area	Farm mechanization
6.	Performance of the Technology with performance indicators	Cost of irrigation (Rs/ha), plant height, no. of pods /plant
7.	Final recommendation for micro level situation	Providing sprinkler irrigation during pre- flowering stage & once at pod formation is increasing the yield of greengram by 28.3%.
8.	Constraints identified and feedback for research	-
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: Farm mechanization

Problem definition: **No supplemental irrigation leads to low yield**

Technology assessed: **Sprinkler irrigation for higher yield in greengram**

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 pods/plant							
FP: No irrigation	7	16.6			5.3	20800	37100	16300	1.78
TO1: Sprinkler irrigation once at Pre flowering stage	7	21.9			6.4	22300	44800	22500	2.0
TO2:- Sprinkler irrigation once at Pre flowering stage and once at pod formation	7	23.5			6.8	22600	47600	25000	2.1

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Maize	IWM	Weeding and hoeing	1	1	2	-	-	-	11		13			

			at 15 DAS +use of herbicide Tembotrione 42% SC @287.5 ml/ha at 40 DAS										
2.	Rice	IWM	Use of herbicide Pyrazo sulphuron ethyl 200g/ha at 3 DAS fb Bispyribac Sodium 200 ml at 25 DAS in rainfed direct seeded rice	1	1	-	-	-	-	11	2	13	
4.	Maize	INM	Application of N:P:K:B:Zn @ 150:75:60:1:5 kg/ ha + Lime 0.1 LR + FYM @ 5 t ha	1	1	-	-	-	-	13	-	13	
5	Rice	INM	STBF NPK + Foliar spray of 0.25% Borax at PI & pre flowering stage	1	1	-	-	-	-	13	-	13	
6	Rice	IDM	Spraying of the combination fungicide Azoxystrobin+ Difenconazole @ 0.4 g/lit twice at 15 days interval starting from initiation of the infection	1	1	-	-	-	-	13	-	13	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					

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

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops- Nil

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

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

Pulses

Frontline demonstration on pulse crops

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

Greengram	IWM	Application of herbicide imazethapyr @750 ml/ha at 15 DAS	13	1	7.0	5.4	29.6	24500	49000	24500	2.0	23000	37800	14800	1.64
Greengram	IDM	Seed treatment with Imidacloprid 600 FS @ 5 ml / kg seed + Yellow sticky trap @ 50/ha + Neem oil 1500ppm @3ml/lit spray on appearance of white fly on YST + Spraying of Diafenthiuron 50 WP @ 600gm./ha	13	1	7.1	5.4	31.4	24500	49700	25200	2.02	20500	37800	17300	1.8
	Total														

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

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Banana	Nutrient management	Demonstration on Arka Banana special on yield and quality of fingers	13	1	253.89	213.12	19.13	158.49	141.4	84000	253890	169890	3.02	80000	213120	133120	2.66
Potato	Varietal substitution	Demonstration on potato variety Kufri Khyati	13	0.4	273.8	220.1	24.3	3.52	3.24	48200	136900	88700	2.84	48200	110050	61850	2.28

Bittergourd	Production technology	Demonstration of Lean to Type trellis in bittergourd for higher production	13	0.4	136.1	103.8	31.02	38.92	33.02	163200	60500	102700	2.69	49800	114180	64380	2.29
Capsicum	Varietal substitution	Demonstration on capsicum variety Arka Athulya	13	0.4	175.09	128.94	35.79	85.26	74.56	58400	210108	151708	3.59	52400	154728	102328	2.95
Brinjal	INM	. Demonstration on Integrated Nutrient Management in Brinjal	13	1	268.7	220.3	21.97	145	130	66300	214960	148660	3.24	62500	176240	113740	2.81
Sugarcane	IDM	Demonstration on management of Early shoot borer in Sugarcane	13	1	103.8	90.1	15.2	13.4	26.9	103500	285450	181950	2.75	96500	247775	151275	2.56
Bittergourd	IDM	Demonstration on management strategies against the little leaf disease in Bitter gourd	13	1	136.1	103.8	31.02	38.92	33.02	62500	149710	87210	2.4	49800	114180	64380	2.2
Colocasia	INM	Demonstration on Integrated nutrient management in colocasia	13	1	133	108	12.0	9.5	56600	200000	143000	3.5	54000	162000	108000	3.0	54000

Ivy gourd	Production technology	Demonstration on high yielding IVY gourd variety Arka Nilachal kunkhi	13	1	220	150		590	470	75000	220000	335000	2.93	60000	150000	116000	2.5
		Total															

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry	Income generation	Demonstration on Kadaknath poultry for income generation	13	1	1.8 kg body wt. in 6 months	1.2 kg body wt. in 6 months	60			150	550	400	3.6	120	340	220	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 - NA

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	Demonstration on value addition of oyster mushroom (preparation of soup powder)	13	-	Avg. yield from 5 beds in (kg) 7 kg soup powder	Avg. yield from 5 beds in (kg) 10 kg		Selling price- 600	Selling price 50	1530	4200	1400	2.75	250	500	250	2.0
Button mushroom																
Vermicompost																
Sericulture																
Apiculture	Demonstration on Indian honey bee (*Apis cerana indica*)	5	-	2 kg/box	-	-	No. of colony sold/box - 2	-	3500	5000	1500	1.42	-	-	-	-
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- Nil

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		Demo	Check	Demo	Check				
Mini dal mill	Dal	Demonstration on mini dal mill	13	-	Milling capacity (q/h) 0.32	Milling capacity (q/h) 0.026		Dal recovery(kg/q) 73.8	Dal recovery(kg/q) 71.4	Dehusking efficiency (%) 91.3	Dehusking efficiency (%) 88.2				
Power weeder	Brinjal	Demonstration of dry land Power weeder for brinjal	13	-	Avg. field capacity(ha/h) 0.08	Avg. field capacity(ha/h) 0.004		Cost of weeding(Rs/ha) 2500	Cost of weeding(Rs/ha) 9000	-	-				
Seed cum fertilizer drill	Greengram	Demonstration on multi crop seed cum fertilizer drill for sowing of greengram	13	-	Field capacity (ha/h) 0.4	Field capacity (ha/h) 0.012	-	Cost of operation(Rs/ha) 2000	Cost of operation(Rs/ha) 300	No. of plants/sqm. 33.5	No. of plants/sqm. 42.3				

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

Demonstration details on crop hybrids - Nil

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

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

Technical Feedback on the demonstrated technologies

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

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	29.3.23	1	50	Lean to Type trellis in bittergourd for higher production
2	Field day	22.09.22	1	20	Mini dal mill
3	Field day	21.12.22	1	50	INM in brinjal
4	Field day	19.10.2022	1	50	Arka Banana special on yield and quality of fingers
5	Field day	13.10.2022	1	50	Early shoot borer in sugarcane
6	Field day	26.10.2022	1	50	IWM in maize

2.	**Farmers Training**				
1	Farmers training	28.10.2022	1	25	Improved management practices in capsicum
	Farmers training	20.10.22	1	25	Use of sprinkler irrigation in pulse
	Farmers training	30.12.2022	1	25	INM in brinjal
	Farmers training	23.08.2022	1	25	IWM in maize
	Farmers training	28.09.2022	1	25	Red rod disease in sugarcane
	Farmers training	27.10.2022	1	25	foliar application of urea phosphate in greengram.
	Farmers training	12.09.2022	1	25	Cultivation techniques of T.C Banana for higher income
	Farmers training	18.12.2022	1	25	Value addition of oyster mushroom
3.	**Media coverage**				
		-	-	-	Use of mini dal mill
		-	-	-	Arka Banana special on yield and quality of fingers
4.	Training for extension functionaries	-	-	-	-

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

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Greengram	Local variety (jhainmung)	5.7	315	434	1000	High yielding variety- Virat +Seed treatment with vitavax power @2gm /kg of seeds followed by Seed inoculation with liquid Rhizobium @50 ml./kg of seeds + Soil test based fertilizer application + INM & IPM and use of yellow sticky trap.	25	10	8.2	6.8	7.6	141.26	75.11	31.57

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ ha)	Net Return (Rs/ha)	B:C ratio
1	High yielding variety- Virat +Seed treatment with vitavax power @2gm /kg of seeds followed by Seed inoculation with liquid Rhizobium @50 ml./ kg of seeds + Soil test based fertilizer application + INM & IPM and use of yellow sticky trap.	21500	39900	18400	1.85	24500	53200	28700	2.17

C. Socio-economic impact parameters

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

D. Oilseed Farmers' perception of the intervention demonstrated

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

	of seeds + Soil test based fertilizer application + INM & IPM and use of yellow sticky trap.						about line sowing of seeds

E. Specific Characteristics of Technology and Performance

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

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
	Meeting & group discussion	21.12.2022	30
	Meeting & group discussion	09.01.2023	25
	Meeting & group discussion	10.01.2023	20
	Field visit & group discussion	24.01.2023	30
	Field visit & group discussion	02.02.2023	25
	Field visit & group discussion	10.03.2023	25
	Field day	28.03.2023	50

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

H. Farmers' training photographs

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

Photographs

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

J. Details of budget utilization

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

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

A) Farmers and farm women (on campus)

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

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

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
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
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													

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													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
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													

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													

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	10	5	15	0	0	0	0	0	0	10	5	15
Training and pruning of orchards													
Protected cultivation of vegetable crops													
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	1	-	12	12	3	-	-	-	-	-	3	12	15
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													

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
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others	4	43	12	55	4	1	5	0	0	0	47	13	60
Total	**12**	**113**	**54**	**167**	**7**	**2**	**9**	**0**	**1**	**1**	**120**	**57**	**180**

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	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													
Group Dynamics and farmers organization	1	15	0	15	0	0	0	0	0	0	15	0	15
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other (soil fertility management)	1	13	2	15	0	0	0	0	0	0	13	2	15
Total	**12**	**130**	**41**	**171**	**5**	**3**	**8**	**0**	**1**	**1**	**135**	**45**	**180**

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	4	75	20	95	3	2	5	0	0	0	78	22	100
Resource Conservation Technologies	1	20	2	22	1	1	2	1	0	1	22	3	25
Cropping Systems	1	22	3	25	0	0	0	0	0	0	22	3	25
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production	2	40	5	45	5	0	5	0	0	0	45	5	50
Nursery management													

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 Crop Management	4	74	10	84	4	6	10	2	4	6	80	20	100
Soil & water conservation													
Integrated nutrient Management	2	32	8	40	4	3	7	2	1	3	38	12	50
Production of organic inputs													
Others													
Total	**14**	**263**	**48**	**311**	**17**	**12**	**29**	**5**	**5**	**10**	**285**	**65**	**350**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops	1	21	2	23	2	0	2	0	0	0	23	2	25
Off0season vegetables													
Nursery raising	1	3	20	23	0	2	2	0	0	0	3	22	25
Exotic vegetables													
Export potential vegetables	1	18	7	25	0	0	0	0	0	0	18	7	25
Grading and standardization													
Protective cultivation													
Others													
Total (a)	**3**	**42**	**29**	**71**	**2**	**2**	**4**	**0**	**0**	**0**	**44**	**31**	**75**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
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	1	25	0	25	0	0	0	0	0	0	25	0	25
Others	1	24	0	24	1	0	1	0	0	0	25	0	25
Total (c)	**3**	**50**	**0**	**25**	**16**	**9**	**25**	**0**	**0**	**0**	**41**	**9**	**75**
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others	1	23	0	23	2	0	2	0	0	0	25	0	25
Total (d)	**1**	**23**	**0**	**23**	**2**	**0**	**2**	**0**	**0**	**0**	**25**	**0**	**25**
e) Tuber crops													
Production and Management technology	1	23	0	23	2	0	2	0	0	0	21	4	25
Processing and value addition													
Others													
Total (e)	**1**	**23**	**0**	**23**	**2**	**0**	**2**	**0**	**0**	**0**	**21**	**4**	**25**
f) Spices													
Production and Management technology	1	24	0	24	1	0	1	0	0	0	25	0	25
Processing and value addition													
Others													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total (f)	**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													
Management of Problematic soils	2	42	6	48	2	0	2	0	0	0	44	6	50
Micro nutrient deficiency in crops	2	32	15	47	1	0	1	1	1	2	34	16	50
Nutrient Use Efficiency													
Balance Use of fertilizer	2	45	5	50	0	0	0	0	0	0	45	5	50
Soil & water testing													
others	1	25	0	25	0	0	0	0	0	0	25	0	25
Total	**14**	**292**	**43**	**310**	**9**	**2**	**11**	**3**	**1**	**4**	**289**	**36**	**350**
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others													
Total													
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	1	0	25	25	0	0	0	0	0	0	25	25	25
Total	**13**	**172**	**147**	**319**	**16**	**6**	**25**	**4**	**2**	**6**	**217**	**158**	**350**
VII. Plant Protection													
Integrated Pest Management	5	62	50	112	4	5	9	1	3	4	67	58	125
Integrated Disease Management	4	63	27	90	5	2	7	1	2	3	69	31	100
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides	2	45	5	50	0	0	0	0	0	0	45	5	50
Others	3	70	5	75	0	0	0	0	0	0	70	5	75
Total	**14**	**150**	**57**	**207**	**9**	**4**	**13**	**2**	**3**	**5**	**161**	**64**	**350**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													

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

E) RURAL YOUTH (Off Campus)

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

F) Extension Personnel (Off Campus)

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

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													

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
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
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													

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of 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													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													

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

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 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 Jute	1	Off campus	18	7	25	2	0	2
	ICM	Nursery management for quality rice seedling production	1	Off campus	21	4	25	2	0	2
	INM	INM in rice	1	Off campus	23	2	25	0	2	2
	IWM	IWM in maize and sweetcorn	1	Off campus	25	0	25	0	0	0
	IWM	IWM in sugarcane	1	Off campus	25	0	25	0	0	0
	ICM	Management of problematic soil for higher yield and sustainability	1	Off campus	24	1	25	0	0	0
	ICM	Intercropping for higher yield and sustainability	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
	ICM	Improved jute harvesting and retting for quality fiber production	1	Off campus	24	1	25	0	0	0
	ICM	Cultivation of stress tolerant rice varieties to mitigate climate change	1	Off campus	22	3	25	1	0	1
	INM	INM in groundnut	1	Off campus	25	0	25	0	0	0
	IWM	Integrated Nutrient Management in sugarcane	1	Off campus	18	7	25	2	0	2
	IWM	Integrated weed management in pulse crops (greengram,blackgram	1	Off campus	21	4	25	2	0	2

		)								
	INM	Integrated nutrient management in sunflower	1	Off campus	23	2	25	0	2	2
Soil Sc.	Soil fertility management	Technique of soil sample collection & fertilizer management	1	Off campus	40	10	50	4	2	6
	INM	INM in maize	1	Off campus	25	0	25	0	0	0
	INM	Nitrogen management in rice	1	Off campus	25	0	25	0	0	0
	INM	Micronutrient deficiency in rice	1	Off campus	22	3	25	1	0	1
	INM	Bio-fertilizer application in Vegetable	1	Off campus	19	6	25	2	1	3
	Soil fertility management	Technique of soil sample collection & fertilizer management	1	Off campus	19	6	25	1	1	2
	INM	INM in brinjal	1	Off campus	20	5	25	0	0	0
	INM	INM in potato	1	Off campus	24	1	25	1	0	1
	INM	Bio-fertilizer and their application in cole crops	1	Off campus	20	5	25	0	0	0
	INM	INM in Okra	1	Off campus	24	1	25	0	0	0
	Soil fertility management	Method lime application in groundnut	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
	Soil fertility management	Waste decomposer for decomposting paddy straw	1	Off campus	40	10	50	4	2	6
	INM	Foliar application of urea phosphate in greengram	1	Off campus	25	0	25	0	0	0
Horticu lture	Vegetable cultivation	Major diseases & pest of brinjal, okra&their control measures	1	Off campus	19	6	25	2	1	3
	Post harvest technology	Sorting, grading & packaging of vegetable	1	Off campus	19	6	25	1	1	2
	INM	Profitable papaya Cultivation techniques	1	Off campus	20	5	25	0	0	0
	INM	INM in colocasia	1	Off campus	25	0	25	0	0	0
	Yield increment	Micro nutrient application for increasing yield & quality of fingers	1	Off campus	22	3	25	1	0	1
	INM	INM practices in tube rose & marigold	1	Off campus	15	10	25	5	2	7
	Vegetable cultivation	cultivation techniques of potato	1	Off campus	18	7	25	3	2	5
	Vegetable cultivation	Cultivation techniques of T.C Banana for higher income	1	Off campus	20	5	25	1	0	1
	Production and management technology	Production techniques of marigold& rose	1	Off campus	5	20	25	0	0	0

	INM	Important medicinal plants and their uses	1	Off campus	20	5	25	0	0	0
	INM	INM in cauliflower for increasing yield and quality	1	Off campus	25	0	25	0	0	0
	Production and management technology	Improved management practices in capsicum	1	Off campus	22	3	25	1	0	1
	Vegetable cultivation	Cultivation techniques of root crops	1	Off campus	5	20	25	0	0	0
	Production and management technology	Different trellis system in cucurbits	1	Off campus	19	6	25	2	1	3
	Yield increment	pointed gourd cultivation for higher income	1	Off campus	19	6	25	1	1	2
	IFS	Vegetable based Integrated farming system for increasing income	1	Off campus	20	5	25	0	0	0
	Yield increment	Important medicinal plants and their uses	1	Off campus	25	0	25	0	0	0
Ag. Engg.	Repair and maintenance of farm machinery & implements	Use of mechanical weeder in rice	1	Off campus	20	5	25	0	0	0
	Repair and maintenance of farm machinery & implements	use of different rice transplanter	1	Off campus	25	0	25	0	0	0
	Repair and maintenance of farm machinery & implements	Care and safety measure during operation of implements	1	Off campus	22	3	25	1	0	1
	Installation and maintenance of micro irrigation system	Small implements for farm women	1	Off campus	5	20	25	0	0	0
	Installation and maintenance of micro irrigation system	Utility of micro irrigation	1	Off campus	22	3	25	1	0	1
	Post harvest technology	Utility of pulse thresher	1	Off campus	20	5	25	0	0	0
	Repair and maintenance of farm mechinery& implements	Different line sowing implements for cereal and pulses	1	Off campus	19	6	25	1	1	2
	Installation and	Use of sprinkler irrigation in pulse	1	Off campus	20	5	25	0	0	0

	maintenance of micro irrigation system									
	Installation and maintenance of micro irrigation system	Use of dal mill	1	Off campus	25	0	25	0	0	0
	Repair and maintenance of farm machinery & implements	use of different groundnut harvesting machinaries	1	Off campus	5	20	25	0	0	0
	Installation and maintenance of micro irrigation system	Use of mulching in vegetable	1	Off campus	20	5	25	0	0	0
	Value addition	Value addition of tomato	1	Off campus	25	0	25	0	0	0
	Value addition	Value addition of oyster mushroom	1	Off campus	22	3	25	1	0	1
	Installation and maintenance of micro irrigation system	Utility of solar dryer	1	Off campus	5	20	25	0	0	0
Plant protecti on										
	IDM	IDM practices for control of disease in rice	1	Off campus	22	3	25	1	0	1
	IPM	Management of okra fruit borer	1	Off campus	20	5	25	0	0	0
	IPM	IPM on paddy pest	1	Off campus	19	6	25	2	1	3
	IPM	IPM of borer complex in sugarcane	1	Off campus	19	6	25	1	1	2
	IDM	Management of red rot disease in sugarcane	1	Off campus	20	5	25	0	0	0
	IPM	IPM in maize	1	Off campus	25	0	25	0	0	0
	IDM	Major pest and disease of okra & brinjal	1	Off campus	22	3	25	1	0	1
	IPM	IPM of brinjal fruit & shoot borer in brinjal	1	Off campus	22	3	25	1	0	1
	IDM	IDM of groundnut diseases	1	Off campus	20	5	25	0	0	0
	IPM	Management of foliage feeder in groundnut	1	Off campus	19	6	25	2	1	3
	IDM	Management of thrips in chilli	1	Off campus	19	6	25	1	1	2
	IPM	IPM of YVMV in greengram	1	Off campus	20	5	25	0	0	0
	IDM	IDM in bittergourd	1	Off campus	25	0	25	0	0	0

	IDM	management of pod borer in greengram	1	Off campus	22	3	25	1	0	1
	IPM	Management of white fly	1	Off campus	22	3	25	1	0	1
Agril. Extn.										
	CBD	Formation and management of farmers producer group	1	Off campus	25	0	25	0	0	0
	CBD	Management of SHGs	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	Income generation activities of SHGs	1	Off campus	20	5	25	0	1	1
	CBD	Alternative livelihood options for resource poor farm family	1	Off campus	5	20	25	0	0	0
	CBD	Role and importance of ITKs in agricultural development	1	Off campus	22	3	25	1	0	1
	CBD	Role and importance of ICT in agricultural development	1	Off campus	20	5	25	0	0	0
	CBD	Alternative livelihood options for resource poor farm family	1	Off campus	19	6	25	2	1	3
	CBD	Role and importance of farm records in agricultural development	1	Off campus	19	6	25	1	1	2
	CBD	Role and importance of ICT in agricultural development	1	Off campus	20	5	25	0	0	0
	Production technology	Scientific cultivation of groundnut	1	Off campus	25	0	25	0	0	0
	Production technology	Scientific cultivation of greengram	1	Off campus	25	0	25	0	0	0
	CBD	Formation and management of farmers producer group	1	Off campus	25	0	25	0	0	0

H) Vocational training programmes for Rural Youth

a) Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
	ICM	Integrated Farming System for Livelihood security	3	12	3	15			5	
	ICM	Seed production for higher income	3	13	2	15	-	-	1	
	ICM	Azolla production technique	3	11	4	15	-	-	8	
	Soil fertility management	Method of vermicomposting	3	10	5	15			3	
	IPM	Production of botanical pesticide	3	15	0	15	-	-	4	
	IPM	Beekeeping for enhancing rural income	3	9	6	15			5	
	Nursery raising	Improved method of seedling production technique	3	10	5	15	-	-	3	
	Cultivation of flower	Commercial flower cultivation	3	15	0	15			6	
	Installation and maintenance of micro irrigation system	Installation of drip irrigation system	3	8	7	15			3	
	Value addition	Value addition of tomato	3	12	3	15	-	-	8	
	CBD	Entrepreneurship development	3	10	5	15			3	
	CBD	Farming system approach	3	14	1	15	-	-	4	

*training title should specify the major technology /skill transferred

b) Details of participation

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

Crop production and management													
Commercial floriculture	1	9	6	15	0	0	0	0	0	0	9	6	15
Commercial fruit production													
Commercial vegetable production													
Integrated crop management	1	12	3	15	0	0	0	0	0	0	12	3	15
Organic farming	1	11	3	15	1	0	0	0	0	0	12	3	15
Other	1	8	7	15	0	0	0	0	0	0	8	7	15
Total	4	40	19	55	1	0	0	0	0	0	41	19	60
Post harvest technology and value addition													
Value addition	1	0	15	15	0	0	0	0	0	0	0	15	15
Other	2	15	10	25	5	0	5	0	0	0	20	10	30
Total	3	15	25	40	5	0	5	0	0	0	20	25	45
Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting	1	11	4	15	0	0	0	0	0	0	11	4	15
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery & imlements	1	10	2	12	2	1	3	0	0	0	12	3	15
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation													
Nursery, grafting etc.													
Tailoring, stitching,													

embroidery, dying etc.													
Agril. Para-workers, para-vet training													
Other	1	15	0	15	0	0	0	0	0	0	15	0	15
Total	3	36	6	42	2	1	3	0	0	0	38	7	45
Agricultural Extension													
Capacity building and group dynamics	1	15	0	15	0	0	0	0	0	0	15	0	15
Other	1	15	0	15	0	0	0	0	0	0	15	0	15
Total	2	30	0	30	0	0	0	0	0	0	30	0	30
Grand Total													

I) Sponsored Training Programmes- Nil

a) Details of Sponsored Training Programme

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

b) Details of participation

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

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

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	10	430	40	470	20	6	6	12	436	46	482

Kisan Mela	-										
Kisan Ghosthi	-	-	-	-	-	-	-	-	-	-	-
Exhibition											
Film Show	42	482	110	592	-	23	12	35	505	122	627
Method Demonstrations	4	30	7	37	10	2	3	5	32	12	42
Farmers Seminar											
Workshop	6	123	25	148		17	4	21	140	29	169
Group meetings											
Lectures delivered as resource persons	25	435	179	614	10	12	8	10	447	187	634
Advisory Services	41	18025	4975	23000							23000
Scientific visit to farmers field	378	478	156	634	15	-	-	-	478	156	634
Farmers visit to KVK	1067	772	295	1067	12	-	-	-	772	295	1067
Diagnostic visits	30	380	70	450	10	12	5	17	392	75	
Exposure visits	10	20	120	140	4	-	-	-	20	120	140
Ex-trainees Sammelan	1	22	10	32	-	-	-	-	22	10	32
Soil health Camp											
Animal Health Camp	1	23	12	35	-	2	-	2	25	12	37
Agri mobile clinic											
Soil test campaigns	3	68	7	75	5	-	-	-	68	7	75
Farm Science Club Conveners meet	2	50	-	50	5	-	-	-	50	-	50
Self Help Group Conveners meetings	2	-	50	50	-	-	-	-	-	50	50
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)											
Sankalp Se Siddhi											
Swatchta Hi Sewa	2	15	5	20	-	2	-	2	17	5	22
Mahila Kisan Divas											
Any Other (Specify)	1	15	-	15		5	-	5	20	0	20
World soil day	1	9	1	10	-	3	2	5	12	3	15
Mahilakisan diwas	1	0	25	25	-	-	-	-	0	25	25
Total											

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	21
Radio talks	3
TV talks	66
Popular articles	-
Extension Literature	8
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 - NA

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

Rabi 2021-2022						

iii) Financial Progress- NA

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

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper	Impact of organic, inorganic fertilizer and integrated nutrient management on Disease pest incidence, yield and economics of okra variety- Pusa A-4.	Dr. Babita Mishra, G.S Sahoo, P. Tripathy, S. Mohanty & B.Pradhan		
Research paper	. Performance of seed-cum-fertilizer Drill, Zero Till Drill and Broadcasting Method for sowing Greengram	Dr. B. Mohanta, Dr. P.L Pradhan		
Research paper	Comparative Study of 3 Row Manual Rice Transplanter with Traditional Manual Transplanting	Dr. B. Mohanta		
Seminar/conference/ symposia papers				
Books				
Bulletins				
News letter	Sabujaswapna	KVK, Jajpur	2	1000
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature	1.Muga phasala re sammanniwata upayare roga poka parichalana 2. Pakasala bagicha 3. Dragon fruit	Dr. L.K Mohanty Mr. S.K Panigrahi Dr. B. Mishra Dr. S.K Mohapatra Dr. B. Mishra Dr. S.K Mohapatra		

	4. Chinabadam chasare unnata krushi jantrapati ra byabahara	Dr. B.L mohanta Dr. S.K Mohapatra		
Technical reports	Annual report, Action plan, SAC report, CFLD oil seed & pulse report, OMBADC report, SCSP report		6	
Electronic Publication (CD/DVD etc.)	1.Use of drip irrigation and mulching in vegetable 2.seedling raising through low cost poly tunnel 3.planting process of potato		3	
TOTAL				

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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Biennial National Conference	Biennial National Conference	Dr. Sunil Ku. Mohapatra	1.06.22 to 2.06.22	ICAR
2.	Workshop on World Coconut Day	Workshop on World Coconut Day	Dr. Sunil Ku. Mohapatra Dr. Lalita Ku. Mohanty Dr. Babita Mishra	2.09.22	KVK, Jajpur
3.	SLREC-2022 Meeting	SLREC-2022 Meeting	Dr. Sunil Ku. Mohapatra	28.6.22	DEE, OUAT, BBSR
4.	Refresher Training for Agril. Extension	Refresher Training for Agril. Extension	Mr. Subrata Ku. Panigrahi	8.09.22 to 9.09.22	DEE, OUAT, Bhubaneswar
5.	Training cum orientation on commercial vegetable seed production in Odisha	Training cum orientation on commercial vegetable seed production in Odisha	Dr. Sunil Ku. Mohapatra	11.10.22 to 12.10.22	CHES, BBSR
6.	Seminar on Aromatic and medicinal plant	Seminar on Aromatic and medicinal plant	Dr. Babita Mishra	9.09.22	Vikas Foundation Trust Talcher, Odisha
7.	Workshop on Tuber crop	Workshop on Tuber crop	Dr. Sunil Ku. Mohapatra	21.09.22	village - Karanjiari
8	Training on small tools and equipment under SCSP	Training on small tools and equipment under SCSP	Dr. Sunil Ku. Mohapatra Dr. Bijayalaxmi Mohanta	1.10.22	village - Karanjiari
9	Refresher training cum exposure visit (IFS for sustainable Agriculture & livelihood security)	Refresher training cum exposure visit (IFS for sustainable Agriculture & livelihood security)	Mr. Subhashis Dash Mr. Bijay Ku. Routray	27.3.23 to 28.3.23	DEE, OUAT, BBSR
10	Capacity building training programme on “Drone technology”	Capacity building training programme on “Drone technology”	Mr. Bipra Ch. Swain	23.3.23 to 25.3.23	DEE, OUAT, BBSR
11	Winter school training programme “Strengthening startup & Agribusiness Eco system through advance methods”	Winter school training programme “Strengthening startup & Agribusiness Eco system through advance methods”	Mr. Subrata Ku. Panigrahi	15.2.23 to 07.3.23	NRRI, Cuttack
12	Training programme on Short video production”	Training programme on Short video production”	Mr. Subrata Ku. Panigrahi	15.12.22 to 17.12.22	DEE, OUAT, BBSR

13	Refresher training on "Early childhood care for working women"	Refresher training on "Early childhood care for working women"	Dr. Babita Mishra Dr. Bijayalaxmi Mohanta	7.02.23 to 8.02.23	College of Community Science, OUAT, BBSR
14	Refresher training on "Integrated pest management of horticultural crops"	Refresher training on "Integrated pest management of horticultural crops"	Dr. Babita Mishra Mr. Bijay Ku. Routray	16.1.23 to 18.1.23	DEE, OUAT, BBSR

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

Name of farmer	**Smt. Pramila Jena** 
Address	**Village- Barapada , Block –Barchana, Dist- Jajpur**
Contact details (Phone, mobile, email Id)	
Landholding (in ha.)	4 nos. vermicompost tank
Name and description of the farm/ enterprise	**Vermicomposting - a healthy approach for sustainable livelihood** 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. The total produce was12.8 q.(3.2 q. /pit)
Economic impact	She getting an amount of Rs. 19200/- & Rs. 13200/- as gross return ant net return respectively per annum. She could also have earn a net profit of Rs. 13200/- from this enterprise
Social impact	The training helps for learning scientific method of vermicompost production and increased her income from this enterprise. By seeing the success of Mrs. Pramila Jena farmers of near by village are interested for establishing vermicompost unit of their own in backyard.
Environmental impact	The eco- friendly vermicomposting judiciously uses farm waste for production of quality compost and improves soil status. This enterprise now gain popularity among the rural youth as it provides better income for sustainable livelihood.
Horizontal/ Vertical spread	She is now act as role model for other farmers and motivated other women (around 20) and mobilized them for taking up entrepreneurship activities on vermicomposting and also provided employment to women in her enterprises

Good quality photographs (2-3)	

Photographs of vermicomposting

		
		

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

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

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

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

b. Give details of organic farming practiced by the farmer

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

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

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

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

Sl. No	Name of the Equipment	Qty.
	Nitrogen analyzer	1
	PH meter	1
	Mridaparikhyak	2
	Spectro photo meter	1
	EC	1
	Flame photometer	1
	Electronic Balance	1
	Stabilizer	1
	Rotary flask shaker	1
	Flame photometer	1
	Distilation unit	1
	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			
0	1124	1124		22	5620

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	50	-	-	50	50

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

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

3.13. Technology week celebration- Nil

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

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

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

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

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

4. IMPACT

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

Name of specific technology/ skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./ Unit)	After (Rs./Unit)
Demonstration on INM in maize	13	65	40,500	60,500
Management of sheath blight in rice	13	75	20,100	32000
Demonstration on groundnut var. Dharani	25	68	40000	55000
Demonstration of paddy straw mushroom	10	68	Rs. 550/10 nos bed	Rs. 780/- per 10 nos.bed (net profit)
Application of Sulphur in groundnut	13	63	38400/ha	53,675/ha
Demonstration on Oyster mushroom *H. ulmarius*	10	78	647/10 bag (net profit)	Rs. 1100/- per 10 bag (net profit)
Improved variety poultry Kadaknath	13	70	1700	4200
Tractor operated seed cum fertilizer drill for sowing groundnut	13	55	43390/ha	54500/ha
Tractor operated axial flow thresher for threshing paddy	5	50	27000/ha	29000/ha
Tomato variety ArkaRakshak	13	41	92500/ha	180000/ha
biological control of shoot and fruit borer in Brinjal	13	55	105000/ha	1,48000/ha
IWM in greengram	13	25	7500ha	9700/ha

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

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

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

Give information in the same format as 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

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

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	
Name & complete address of the entrepreneur	
Role of KVK with quantitative data support:	
Timeline of the entrepreneurship development	
Technical Components of the Enterprise	
Status of entrepreneur before and after the enterprise	
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	
Horizontal spread of enterprise	

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
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
OMBADC	Training, demonstration, infrastructure development

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

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Polyhouse	2011	174 sq.m	Brinjal Var. JK-80-31	PM	20000	7415	17500	
2.				Papaya Var. Red lady, Swapna	PM	1048	7000	26200	
3.				Tomato var. Arka Rakshak, Arka Abhed	PM	15000	9650	15000	
4.				Cauliflower Var. Indam	PM	1000	318	500	

				Poornima					
5.				Broccoli Var. NS-50, F1 Hybrid	PM	500	310	500	
6.				Capsicum Var. Arka Athulya	PM	5700	6150	22800	
7.				Onion Var. Agri found light red	PM	60000	2000	6000	
				Chilli Var. Diaya, Siam hot	PM	4500	1200	6000	
				Tuberose Var. Calcutta double	PM	25000	730	25000	
				Drumstick Var. DOC-3	PM	500	1750	5000	
	Total					**133248**			

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty. (q)	Cost of inputs	Gross income	
Paddy	03.08.2022	22.12.2022	6	Kalachampa	FS	240	4,72,079	7,80,000 (Approx.)	

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermicompost	50.5 qtl.	8000	75105	
	Vermi worm	30 kg	-	15000	

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		chicks	960	34950	81600	
2.	fingerlings			5000 nos.	4890	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)
March 2023	20	5 days	Training under OMBADC
Total :			

(For whole of the year)

6.6. Utilization of staff quarters

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

Months	Q I	Q II	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

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

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	

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

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

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure

A. Recurring Contingencies				
1	Pay & Allowances	1,60,70,000/-	1,60,70,000/-	1,47,76,454/-
2	Traveling allowances	1,20,000/-	1,20,000/-	1,20,000/-
3.	HRD	30,000/-	30,000/-	30,000/-
4.	Contingencies			
A	Stationary, Telephone and office expenditure, Publication, News letter			
B	Pol, Repair of vehicle	2,80,000/-	2,78,800/-	2.78,800/-
C	Meal refreshment for residential and non-residential			
D	Training Material	2,10,000/-	2,10,000/-	2,10,000/-
E	FLD	1,05,000/-	1,05,000/-	1,05,000/-
F	OFT	1,05,000/-	1,05,000/-	1,05,000/-
G	SCSP	21,00,000/-	21,00,000/-	21,00,000/-
H	Agro forestry	1,00,000/-	98,800/-	98,800/-
I	Garib Kalyan (Kisan Mela)	15,000/-	15,000/-	15,000/-
J	Kisan Bhagidari Prathmikata Hamari (Kisan Mela)	1,00,000/-	1,00,000/-	1,00,000/-
K	Agri startup Conclave and PM Kisan Samman Sammelan	22,992/-	22,992/-	22,992/-
J	Swachhta Expenditure	17,250/-	16,950/-	16,950/-
TOTAL (A)		**1,92,75,242/-**	**1,92,72,542/-**	**1,79,78,996/-**
B. Non-Recurring Contingencies				
1	Equipment & Furniture	31,000/-	31,000/-	31,000/-
2	Information Tech.	50,000/-	50,000/-	50,000/-
3	Vehicle (Tractor)	7,50,000/-	7,50,000/-	7,50,000/-
4	Works(Irrigation System)	3,00,000/-	3,00,000/-	3,00,000/-
5.	Library	10,000/-	10,000/-	10,000/-
TOTAL (B)		**11,41,000/-**	**11,41,000/-**	**11,41,000/-**
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**2,04,16,242/-**	**2,04,13,542/-**	**1,91,19,996/-**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2018-19	2,000/-	7,49,748/-	3,71,076/-	
2019-20	3,78,672/-	3,82,903/-	6,82,806/-	
2020-21	76,944/-	13,35,610/-	11,61,468/-	
2021-22	1,74,142/-	9,32,550/-	5,00,087/-	
2022-23	1,34,547/-	6,22,775/-	5,80,892/-	

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

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
Animal health camp	1	Rabi	Dept. of Animal Husbandary and KVK		
Poshan Maah programme	1	kharif	IFFCO and KVK		

Joint field visit was conducted for monitoring insect pest attack in paddy	8	Kharif, Rabi	Dept. of Agriculture and KVK	With ATMA	
Celebration of World soil Day, Akshya Trutiya			CDAO, Jajpur		
Exposure field visit to KVK, Frontline demonstration, Field day on successful FLD, OFT, In-service training involving line depratment officers conducted by KVK, verification of QPM, Diagnostic field visit	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- Nil

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

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 Yuva Kendra (NYK) Training- Nil

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-Nil

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

			crop	registration

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

Type of message	No. of messages	No. of farmers covered
Crop	22	23000
Livestock	2	
Fishery		
Weather	2	
Marketing		
Awareness	2	
Training information		
Other	4	
Total	32	

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
18.10.2022 & 21.10.2022 (4 days)	4

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	6	
4. Cleaning and beautification of surrounding areas	4	
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	4	
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local	3	

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

9.6. Observation of National Science day- Nil

Date of Observation	Activities undertaken

9.7. Programme with Seema Suraksha Bal/ BSF-Nil

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school- Nil

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

Give good quality 1-2 photograph(s)

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

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/ Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)	Coverage by Doordarshan (Yes/ No)	Coverage by other channels (Number)

				MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		

9.10. Details of Swachhta Hi Suraksha programme organized

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

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	1	1	30	-	-

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

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

9.13. Revenue generation

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

9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK -NA

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

9.16. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Odisha	Jajpur	ICM, INM	2	75	

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

a) Year:
b) Introduction / General Information:

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

11. Details of TSP

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

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

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

c. Achievements of physical outcome under TSP during 2022-2023

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

d. Location and Beneficiary Details during 2022-2023

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

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

Natural Resource Management

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

Crop Management

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

Livestock and fisheries

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

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK- NA

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

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Progressive farmer award	Mr. Rabindra Ku. Das	2022	OUAT, BBSR	Citation & certificate	Vegetable based Integrated Farming with custom hiring centre

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	40 bunches	2500/-	6000/-		
2	Pisciculture	0.1 ha	1,00,000	1,00,000	1,80,000		
3	Paddy straw mushroom	50 bed	45 kg	2700/-	9000/-		
4	Oyster mushroom	25 beds	20 kg	1200/-	2000/-		
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 INM in Maize	Application of N:P:K:B:Zn @ 150:75:60:1:5 kg/ ha + Lime 0.1 LR + FYM @ 5 t ha	55280	120	

2	Demonstration on capsicum variety Arka Athulya	Cultivation of capsicum variety Arka Athulya with recommended package of practices	151708	22	
3	Demonstration on management of Early shoot borer in Sugarcane	Soil application of fipronil 0.3 G 25.0-33.0 kg / ha ,Early planting(Dec-jan.),Trash mulching on 3rd day after planting. Release of *T Chilonis* @1.5lakh /ha (6 times). Spray chlorantraniprole 18.5 SC 375 ml/ha	181950	160	
	Demonstration on Kadaknath poultry for income generation	Rearing of dual purpose poultry bird "Kadaknath", body weight 1400 g/ 20 weeks, egg laying capacity 185 nos. of egg/ year	400	56	
	Demonstration on multi crop seed cum fertilizer drill for sowing of greengram	Tractor drawn Multi crop Seed cum fertilizer drill with cup feed metering mechanism	24800	156	

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

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

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

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

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

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

	Job role									N)	

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

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

21. Information on NARI Project (if applicable)- NIL

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

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

a) Training achievements

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

b) Other achievements

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

12	ARYA project: Number of youth trained	
13	ARYA project: Number of entrepreneurial activities started	
14	Number of farm families in DFI villages	

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

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

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

Photographs of OFT/FLD

<table>
<tr><td>  </td><td colspan="2">  </td><td>  </td></tr>
<tr><td>Assessment of INM in scented rice</td><td colspan="3">Assessment of bullock drawn seed-cum- fertilizer drills for sowing of maize</td></tr>
<tr><td>  </td><td colspan="2">  </td><td>  </td></tr>
<tr><td>Demonstration on management of Early shoot borer in Sugarcane</td><td colspan="3">Demonstration on capsicum variety Arka Athulya</td></tr>
</table>

Photographs of Field visit






Photographs Training programme conducted during 2022-23









Photographs of Extension activity

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