# ANNUAL REPORT 2022

## KRISHI VIGYAN KENDRA MAYURBHANJ-1, SHAMAKHUNTA, ODISHA





## 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	
KVK Mayurbhanj-I , At/Po- Shamakhunta, Mayurbhanj Odisha, Pin-757049	91-6792295199	-	kvkmayurbhanj1.ouat@gmail.com/ kvkmayurbhanj-od@nic.gov.in

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

Address	Tele	E mail	
	Office	FAX	
Odisha University of Agriculture &	0674-2392677	0674-2397780	vc@ouat.nic.in
Technology, At/Po-Bhubaneswar - 751 003			

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

Name	Telephone / Contact			
	Residence	Mobile	Email	
Dr. Sanghamitra Pattnaik	91-9437147934	9437147934	dipapattnaik@gmail.com	

1.4. Year of sanction of KVK:2005

## 1.5. Staff Position (as on 1<sup>st</sup> January, 2022)

SI. 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. S. Pattnaik	Sr. Scientist & Head	Horticulture	Pay Matrix- 79800 Level-12, Cell-7 & Basic - 95300	12.11.2015	Permanent	General
2	Subject Matter Specialist	Dr. Jagannath Patra	Scientist(Agril Extension)	Agril Extension	Pay matrix -57700 Level-10, Cell-17 & Basic -92500	26.07.2022	Permanent	General
3	Subject Matter Specialist	Mrs. J. Bhuyan	Scientist (Home Science)	Home Science	Pay matrix -57700 Level-10, Cell-13 & Basic -82200	23.10.2009	Permanent	OBC
4	Subject Matter Specialist	Dr. (Er.) Govinda Chandra Dhal	Scientist (Agril Engg)	Agriculture Engineering	Pay matrix -57700 Level-10, Cell-13 & Basic -82200	26.07.2022	Permanent	OBC
5	Subject Matter Specialist	Dr. Plabita Ray,	SMS	Agronomy	Pay matrix -56100 Level-12, Cell-4 & Basic -61300	14.05.2018	Permanent	General
6	Subject Matter Specialist	Vacant	Scientist 5					
7	Subject Matter Specialist	Vacant	Scientist 6					
8	Programme Assistant	Vacant	Programme Assistant					
9	Computer Programmer	Mr. J. K. Biswal	Programme Assistant (Computer)	Computer Science	Pay matrix -35400 Level-10, Cell-18 & Basic -92500	30.01.2006	Permanent	General
10	Farm Manager	Mr. Anshuman D. Nayak	Farm Manager	Seed Science & Technology	Pay matrix 35400 Level-10, Cell-5 & Basic -92500	31.01.2019	Permanent	General
11	Accountant / Superintendent	Vacant	Accountant / superintendent					
12	Stenographer	Mr. R.N.Pati	Jr. Steno-cum-Computer Operator	-	Pay matrix -25500 Level-7, Cell-17 & Basic -41000	16.10.2006	Permanent	General
13.	Driver	Mr. P.K.Biswal	Driver-cum-Mechanic	-	Paymatrix-21700 Level-5, Cell-11 & Basic - 29300	25.07.2007	Permanent	OBC
14.	Driver	Mr. B.K.Behera	Driver-cum-Mechanic	-	Paymatrix-21700 Level-5, Cell-9 & Basic - 27600	18.07.2008	Permanent	OBC
15.	Supporting staff	Raj Kishore Mahapatra	Peon-cum-Watchman	-	Pay matrix -16600 Level-1, Cell-15 & Basic -25000	26.12.2007	Permanent	General
16.	Supporting staff	Vacant	Peon-cum-Watchman	-	-	-	-	-

## **1.6.** Total land with KVK (in ha)

S. No.	Item	Area (ha)
1	Under Buildings	5.0
2.	Under Demonstration Units	3.0
3.	Under Crops	14.0
4.	Orchard/Agro-forestry	-
5.	Others with details	1.517
	Total	23.517

:

Total area should be matched with breakup

#### **1.7.** Infrastructure Development:

#### A) Buildings and others

S.	Name of infrastructure	Not yet	Completed	Completed up	Completed up	Totally	Plinth area	Under use or	Source of
No.		started	up to	to lintel level	to roof level	complete	(sq.m)	not*	funding
			plinth level			d			
1.	Administrative Building					Yes	754	Use	ICAR
2.	Farmers Hostel					Yes	304.7	Use	ICAR
3.	Staff Quarters (6)					Damaged			
4.	Piggery unit								
5	Fencing					Yes	350 mts	Use	RKVY
6	Rain Water harvesting structure								
7	Threshing floor					Yes	44.6	Use	ICAR
8	Farm godown								
9.	Dairy unit								
10.	Poultry unit					Yes	92.9	Use	DRDA, Baripada
11.	Goatary unit								
12.	Mushroom Lab					Yes		Use	RKVY
13.	Mushroom production unit								
14.	Shade house								
15.	Soil test Lab								
16	Others, Please Specify (seed processing					Yes		Use	ICAR
	plant-Cum-Seed Store Building)								

\* 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
Office Jeep	2017	8,00,000	89163	Good
Tractor	2019	8,50,000	915hrs	Good
Motor bike	2010	50000	21780	Good

## C) Equipment & <u>AV aids</u>

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Soil & Water Lab Equipment	2015	1700000	Good	ICAR
Soil Test Kit	2017	90300	Good	ICAR
b. Farm machinery				
Paddle winnower	2006	2415	Good	ICAR
Paddy thresher	2006	3275	Good	ICAR
Power sprayer	2007	5434	Good	ICAR
Rotavator	2006	64335	Good	ICAR
Cono weeder	2006	1204	Good	ICAR
Walk behind 4 row rice transplanter	2017	239000	Good	ICAR
Rotavator-'4'	2017	88970	Good	ICAR
Zero Till Seed Drill-11 row	2017	81819	Good	ICAR
c.AV Aids				
Conference System	2017	81115	Good	ICAR
Projector	2017	38858	Good	ICAR
Camera	2016	22751	Good	ICAR
Smart TV	2023	44293	Good	ICAR

## D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund	
Horticultural tools	2008	4909	Good	ICAR	
Wheel finger weeder	2008	800	Good	ICAR	

Cono weeder	2008	1204	Good	ICAR
Pre germinated paddy Drum seeder	2008	2520	Good	ICAR
Power Weeder	2017	8580	Good	ICAR
Battery Operated Sprayer	2017	4200	Good	ICAR
Fertilizer Broad caster	2018	4480	Good	ICAR
Battery Operated Sprayer	2018	3094	Good	ICAR
Seed Treating drum	2018	3445	Good	ICAR
Parboiling Unit	2018	5060	Good	ICAR
4-Row Drum seeder	2018	4675	Good	ICAR
Pedal Paddy Thresher	2018	6225	Good	ICAR
Cono weeder	2018	1710	Good	ICAR
Mandwa Weeder	2018	1080	Good	ICAR
Battery Operated Sprayer	2018	3094	Good	ICAR
Agriculture Drone	2023	845728	Good	ICAR

## **1.8. Details of SAC meeting\* conducted in the year**

Sl. No.	Date	Number of	Salient Recommendations	Action taken	If not
		Participants			state reason
1.	24.11.2022	35	Popularization of rice-fallow varieties and undertaking varietal trials for the non-paddy crops		
			suitable for the district.	<u> </u>	
2			Encourage potato, onion and hybrid vegetable cultivation to boost production and become self-		
			reliant in vegetable production.	1	
3			Popularization of profitable crops like dragon fruit and apple ber in the district.		
4			Popularization of disease resistant Tomato hybrids among the farmers through demonstration	<u> </u>	
5			Popularization of Fogger Technology in Mushroom cultivation.		
6			Demonstration and training programmes for popularization of nano urea among the farmers		
			through different training and demonstration programmes.	1	
7			Diversification of commercial floriculture (marigold and cut flowers) to boost its production in		
			the district.	1	
8			More no of skill training programme for nursery raising to be imparted		
9			Popularization of round the year jackfruit, marketing and value added products of jackfruit like		
			jackfruit bar, flour and chips should be enhanced.	1	

10		Protein rich rice varieties to be popularized in the district	
11		Training and Awareness programme for popularization of millets in the district.	
12		Popularization of commercial floriculture.	
13		KVK should provide technological back stopping for Tassar cultivation in rainfed areas.	
14	1	More number of short videos in different agricultural technologies	
15	E	Establishment of a hatchery unit and advanced brooding unit in KVK for improved variety of	
	l p	poultry.	
16	1	Need based, context specific and descriptive training programmes must be designed.	

\* 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	Paddy, Paddy - Ground nut ,Paddy – Green gram, Animal Husbandry , Paddy + Animal Husbandry,Paddy - Vegetable, Paddy + Pisciculture
2	Agro-climatic Zone	North Central Plateau
3	Agro ecological situation	AES – I(Low Rainfall, Low Elevation, Blocks (Five) : Tiring, Rirangpur, Rasgovindpur, Bahalda, Shuliapada), AES – II (Low Elevation, Medium Rainfall,Blocks (Fifteen): Baripada, Badasahi, Shamakhunta, Khunta, GB Nagar, Betonati, Moroda, Kuliana, Bangiriposi, Udala, Saraskana, Kusumi, Bishoi, Bijatota, Jamuda), AES – III(Low Elevation, High Rainfall,Blocks (One): Kaptipada), AES – IV(Medium Elevation, Medium Rainfall,Blocks (Five):Karanjia, Sukruli, Jashipur, Raruan, Thakurmunda)
4	Soil type	Mixed Red & Yellow
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Paddy-32.04q/ha, Green gram-6.21q/ha, Black gram-5.98q/ha, G.nut-13.80q/ha & Maize-30.90
6	Mean yearly temperature, rainfall, humidity of the district	Max. 41 <sup>°</sup> C ; Min. 40 <sup>°</sup> C, 1600 mm in 77 rainy day
7	Production of major livestock products like milk, egg, meat etc.	Milk-2,71666liters/day, Egg-94693nos/day, Meat 93667kg/day

Note: Please give recent data only

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	Shamakhunta	Shamakhunta	Ambdubi	Rice,Groundnut, Black gram, Vegetable, Poultry, Goatery	•Distress sale of vegetable during Rabi •Crop loss due to cyclone, hailstorm and/or heavy rain during harvesting stage of pulses	<ul> <li>Nutrient management in direct seeded rice</li> <li>Off season vegetable</li> </ul>
2	Bangiriposi	Bangiriposi	Kansapal	Rice,Groundnut, Black gram, Vegetable, Poultry	Crop loss due to cyclone, hailstorm and/or heavy rain during harvesting stage of pulses	<ul><li>cultivation</li><li>Stocking of advanced</li></ul>
3	Suliapada	Suliapada	Khadiasole	Rice, Green gram, Traditional pisciculture ,Poultry	Crop loss due to cyclone, hailstorm and/or heavy rain during harvesting stage of pulses	pond management
4	Kaptipada	Kaptipada	Machhia	Rice, Green gram, Traditional pisciculture ,Vegetable , Poultry	Crop loss due to cyclone, hailstorm and/or heavy rain during harvesting stage of pulses	<ul> <li>Intercropping minor carp to increase fish production</li> <li>Providing food and</li> </ul>
5	Betanoti	Betanoti	Gargadia	Rice, Green gram, Traditional pisciculture ,Vegetable , Poultry	Crop loss due to cyclone, hailstorm and/or heavy rain during harvesting stage of pulses	nutritional security, income to women and tribal communities through secondary agriculture

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

**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	Block	Action taken for development
village		
Ambadubi	Shamakhunta	<ul> <li>Introduction of off season cauliflower.</li> </ul>
		<ul> <li>Substituted with black gram variety PU-31</li> </ul>
		<ul> <li>Calcium Supplementation (4ml/day per bird) of RIR breeds</li> </ul>
		<ul> <li>Deworming of kids and PPR vaccination</li> </ul>
		<ul> <li>Mushroom cultivation throughout the year</li> </ul>

Kansapal	Bangiriposi	<ul> <li>Diversification of Upland paddy to off season cauliflower</li> </ul>
		<ul> <li>Substituted with groundnut variety K-6 in line sowing (Seed cum fertilizer drill)</li> </ul>
		<ul> <li>Substituted with green gram variety IPM-2-14 in line sowing (Zero till seed cum fertilizer drill)</li> </ul>
		<ul> <li>Calcium Supplementation (4ml/day per bird) of RIR breeds</li> </ul>
		<ul> <li>Mushroom cultivation throughout the year</li> </ul>
Khadiasole	Suliapada	<ul> <li>Introduction of Green gram variety IPM-2-14 variety</li> </ul>
		<ul> <li>Introduction of RIR breed</li> </ul>
		<ul> <li>Introduction of Mushroom cultivation in small scale</li> </ul>
Machhia	Kaptipada	<ul> <li>Introduction of Green gram variety IPM-2-14 variety</li> </ul>
		<ul> <li>Introduction of RIR breed (20 nos.)</li> </ul>
		<ul> <li>Mushroom cultivation in small scale (10 nos)</li> </ul>
Gargadia	Betanoti	> Variety DRR-42
		<ul> <li>Mushroom cultivation in small scale (20 nos.)</li> </ul>

## 2.1 **Priority thrust areas**

S. No	Thrust area
1.	Seed production programme in paddy & vegetables
2.	Oilseed and pulse cultivation
3.	Off season & hybrid vegetable cultivation
4.	Organic Farming and Vermi-composting
5.	Farm Mechanization
6.	Mushroom cultivation
7.	Value addition of fruits & vegetables
8.	IPM and IDM in field crops and vegetables
9.	Nutritional garden
10.	Back yard poultry & Goatery
11.	Commercial floriculture
12.	Entrepreneurship through nursery development

## 3. <u>TECHNICAL ACHIEVEMENTS</u>

	OFT												FLD										
No. of tec	No. of technologies tested:											No. of technologies demonstrated:											
Number of OFTs Number of farmers											Number of FLDs Number of farmers												
Target	Achieve	Target		Achievement						Target	Achievem	Targ		Achievement									
	ment		S	С	S	Γ	Oth	Others Total			otal		ent	et	S	С	S	Т	Ot	hers		Total	l
			М	F	Μ	F	М	F	Μ	F	Т				М	F	М	F	Μ	F	Μ	F	Т
9	9	71	0	0	22	2	29	18	51	20	71	14	14	160	2	2	64	23	46	23	112	48	160

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

	Training											Extension activities											
Nun Co	nber of urses	Number of Participants								Number of Number of participants activities													
Tar	Achiev	Targe				A	chieven	nent				Target	Achie	Targ	Achievement								
get	ement	t	SC		ST		Other	rs	Total			vemen	et	SC		ST		Others		Total			
			М	F	М	F	М	F	М	F	Т		t		М	F	М	F	М	F	М	F	Т
54	54	1281	33	22	364	245	282	335	679	602	1281	150	183	5000	952	780	3587	889	2143	380	5556	3175	8731

	Impact of capacity building											Impact of Extension activities									
Num	Number of Number of Trainees got employment (self/ wage/										Number of Number of participants got employment (self/ wage/ entreprene								preneur/		
Participa	Participants trained entrepreneur/ engaged as skilled manpower)									Parti	Participants engaged as skilled manpower)										
								atte	attended												
Target	Achievem	SC		ST		Othe	ers	Tota	1		Targ	Achie	SC		ST		Others	5	Total		
	ent	M	F	Μ	F	М	F	М	F	Т	et	veme	Μ	F	M	F	Μ	F	M	F	Т
												nt									
250	250	2	4	50	30	37	48	89	82	181	650	420	75	30	130	55	100	30	355	115	420

Seed produc	ction (q)	Planting material (in Lakh)					
Target	Achievement	Target	Achievement				
450.0	456	410500	432050				

Livestock strains and fish finge	rlings produced (in lakh)*	Soil, water, plant, manures samples tested (in lakh)					
Target	Achievement	Target	Achievement				
5000	5130	100	170				

			Publication by KV	Ks			
		No.	No. of Research	Highest NAAS	Average	Details of	Details of
Itom	Num	circulated	papers in NAAS	rating of any	NAAS rating	awarded	Award
Itelli	ber		rated Journals	publication	of the	publication, if any	given to the
					publications		publication
Research paper	5	Mass	2	5.23	4.55		
Seminar/conference/ symposia papers	4	Mass					
Books	-	-	-	-	-	-	-
Bulletins	96	200	-	-	-	-	-
News letter	1	500					
Popular Articles	-	-	-	-	-	-	-
Book Chapter	-	-	-	-	-	-	-
Extension Pamphlets/ literature	4	2000	-	-	-	-	-
Technical reports	4	4					
Electronic Publication (CD/DVD etc)	-	-	-	-	-	-	-
TOTAL	108	2704					

## 1. Achievements on technologies assessed and refined

#### OFT-1

1.	Title of On Farm Trial	Assessment of F1 Hybrid chilli var.Arka Tejasvi (H-41) & Arka Yashasvi(H-8)
2.	Problem diagnosed	High incidence of chilli leaf curl virus, powdery mildew & root wilt
3.	Details of technologies selected for assessment/refinement	<b>TO1</b> :Arka Tejasvi (H-41)-Plant- medium, tall & spreading, fruits pendent,firm,highly pungent,green & turn deep red (90-100 ASTA) on maturity, medium wrinkled, resistant to powdery mildew &ChLCV, yield potential 30-35q dry chilli yield/ac. <b>TO2</b> :Arka Yashasvi (H-8)-Plants tall & spreading,fruits pendent,firm,medium pungent,green & turn deep redon maturity (90- 100ASTA),medium wrinkled & tolerant to powdery mildew & resistant to ChLCV,
4.	Source of Technology (ICAR/AICRP/SAU/other)	ICAR-IIHR-2020
5.	Production system and thematic area	Varietal Evaluation
6.	Performance of the Technology with performance indicators	Incidence of disease(%), Plant Height(cm), Fruit length(cm), Fresh fruit yield(q/ha)
7.	Final recommendation for micro level situation	Arka Tejasvi (H-41)
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Arka Tejasvi (H-41) is highly appreciated by the farmers due to its high pungency & it fetches good market demand

Thematic area: Varietal Evaluation

Problem definition: High incidence of chilli leaf curl virus, powdery mildew & root wilt

Technology assessed: TO1:- Arka Tejasvi (H-41) ,TO2:-Arka Yashasvi (H-8)

Table:

Technology	No. of	No.of fruits/	Disease	Fruit	Yield	% increase	Cost of	Gross return	Net return	B:C
option	trials	plant	incidence (%)	wt.(gm.)	(q/ha)	over FP	cultivation(Rs/ha)	(Rs/ha)	(Rs/ha)	ratio
FP	7	75	20	3.5	80		85,000	240000	155000	2.82
TO1	7	50	Nil	7.9	128	60	1,05000	409600	304600	3.9
TO2	7	52	Nil	6.45	125	56.25	1,05000	375000	270000	3.57

Results: Farmers appreciated TO1 as more yield was recorded with higher net income. TO1 is highly appreciated by the farmers due to its high pungency & it fetches good market demand

Title of On Farm Trial	Assessment of Marigold varieties BM-1 & BM-2 for income generation
Problem diagnosed	Scarcity of loose flowers in the local market & dependent on Kolkata bazar
Details of technologies selected for assessment/refinement	TO1:. Bidhan Marigold-1 TO2:Bidhan Marigold-2
(Mention either Assessed or Refined)	
Source of Technology (ICAR/ AICRP/SAU/other, please	BCKV,Kalyani,2019
specify)	
Production system and thematic area	Export potential of Ornamental plants
Performance of the Technology with performance indicators	Days to 1st flower bud appearance, number of flowers per plant, flowering
	duration(days)
Final recommendation for micro level situation	Bidhan Marigold-2
Constraints identified and feedback for research	-
Process of farmers participation and their reaction	Bidhan Marigold-2 as more yield was recorded with higher net income.
	Title of On Farm TrialProblem diagnosedDetails of technologies selected for assessment/refinement (Mention either Assessed or Refined)Source of Technology (ICAR/ AICRP/SAU/other, please specify)Production system and thematic areaPerformance of the Technology with performance indicatorsFinal recommendation for micro level situation Constraints identified and feedback for researchProcess of farmers participation and their reaction

Thematic area: Export potential of Ornamental plants

Problem definition: Scarcity of loose flowers in the local market & dependent on Kolkata bazar

Technology assessed: TO1:Bidhan Marigold-1 TO2:Bidhan Marigold-2

Table:

Technology	No. of	Days to 1 <sup>st</sup> flower	Flowering	Number of	Loose flower	Cost of	Gross	Net	B:C ratio
option	trials	bud appearance	Duration	flowers per	yield(kg/plant)	cultivation	return(Rs/ha)	return(Rs/ha)	
		(days)	(days)	plant		(Rs/ha)			
FP	7	26	78	95	0.760	81200	112000	30800	1.37
TO1	7	19	82	130	0.820	104160	182000	77840	1.74
TO2	7	16	86	176	1.01	104160	210350	106190	2.01

Results: Farmers appreciated TO2 as more yield was recorded with higher net income.

1.	Title of On Farm Trial	Assessment of biofertified varieties for nutritional security
2.	Problem diagnosed	Low nutritive value of traditional rice varieties
3.	Details of technologies selected for assessment/refinement	FP- Lalat, TO1- CR Dhan 311, TO2- CR Dhan 315
	(Mention either Assessed or Refined)	
4.	Source of Technology (ICAR/ AICRP/SAU/other)	NRRI 2016
5.	Production system and thematic area	Rainfed-medium land and crop production, Varietal evaluation for
		nutritional security
6.	Performance of the Technology with performance indicators	CR Dhan 315 produced better tillers per plant and hence better yield
7.	Final recommendation for micro level situation	CR Dhan 315
8.	Constraints identified and feedback for research	CR Dhan 311 is lodging
9.	Process of farmers participation and their reaction	CR Dhan has high nutrition and better yield

Thematic area: Varietal evaluation for nutritional security

Problem definition: Low nutritive value of traditional rice varieties Technology assessed: TO1- CR Dhan 311, TO2- CR Dhan 315

Table:

Technology	No of	Tillers/m <sup>2</sup>	Grains/	Crude protein	Zinc	Yield	Cost of	Gross	Net return	B-C ratio
	trials		panicle	content (%)	content	(q/ha)	cultivation	return	(Rs/ha)	
					(ppm)		(Rs/ha)	(Rs/ha)		
Lalat		244.7	89	7.87	16.3	38.2	54038	74184	20146	1.37
CR Dhan 311		262.3	102	8.1	23.8	41.2	56000	79928	23928	1.42
CR Dhan 315		275.6	119	10.26	19	41.3	56000	80122	24122	1.43

Results: Farmers appreciated TO2 as more yield was recorded with higher net income.

1.	Title of On Farm Trial	Assessment of INM module in groundnut
2.	Problem diagnosed	Low yield due to imbalance use of fertilizers
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP- Use of recommended dose of NPK TO1-Use of recommended dose of NPK and gypsum 250 kg/ha basally TO2- Use of recommended dose of NPK, gypsum basally 250 kg/ha and DGRC 1 10G/Kg of seed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP ON groundnut 2018
5.	Production system and thematic area	Rainfed medium land and integrated nutrient management
6.	Performance of the Technology with performance indicators	Use of recommended dose of NPK, gypsum basally 250 kg/ha and DGRC 1 10G/Kg of seed produced better pods/plant with better yield
7.	Final recommendation for micro level situation	Use of recommended dose of NPK, gypsum basally 250 kg/ha and DGRC 1 10G/Kg of seed
8.	Constraints identified and feedback for research	Availability of DGRC 1
9.	Process of farmers participation and their reaction	-

## Thematic area: INM in groundnut

Problem definition: Low yield due to imbalance use of fertilizer in ground nut

Technology assessed: TO1-Use of recommended dose of NPK and gypsum 250 kg/ha basally, TO2-Use of recommended dose of NPK, gypsum basally 250 kg/ha and DGRC 1 10G/Kg of seed

Table:

Practice	Pod yield (q/ha)	Haulm yield (q/ha)	No. of pods per	% increase over	Cost of cultivation	Gross return	Net return	B:C ratio
			plant	FP	(Rs/ha.)	(Rs/ha.)	(Rs/ha.)	
FP	13.1	28.6	14		58000	72150	14150	1.24
TO <sub>1</sub>	15.7	31.2	15	19.8	60500	83250	22750	1.37
TO <sub>2</sub>	18.3	34.2	19	39.7	62200	99900	37700	1.61

Results: Farmers appreciated TO2 as more yield was recorded with higher net income

1.	Title of On farm Trial	Comparative Assessment of improved poultry breeds for production in Backyard system
2.	Problem diagnosed	Poor sustainability of backyard poultry.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1- Backyard rearing of poultry breed "Rhode Island Red" TO2- Backyard rearing of Poultry breed "Kalinga Brown "
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Annual Report 2016-17, Dir. of Poultry, ICAR Annual Report 2017-18, ICAR-CAR
5.	Production system and thematic area	Poultry Breed evaluation
6.	Performance of the Technology with performance indicators	Egg per year, ABW (Kg), Additional income
7.	Final recommendation for micro level situation	Backyard rearing of poultry breed "Rhode Island Red"
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: Poultry Breed evaluation

Problem definition: Poor sustainability of backyard poultry.

Technology assessed:

TO1-Backyard rearing of poultry breed "Rhode Island Red" TO2- Backyard rearing of Poultry breed "Kalinga Brown"

Table:

Technolog	No. of trials	Yield co	omponent	Cost of cultivation	Gross return	Net return(Rs./ 1	0BC ratio
y option		Body weight G	rowthEggs (no.s/year)	(Rs./10 poultry chicks)	(Rs/10 poultry	poultry chicks)	
		(Kg/2month)			chicks)		
FP	7	1.125	51	925	4389	3464	4.74
TO1	7	2.45	143	1885	9985	8100	5.29
TO2	7	2.235	134	1865	9345	7480	5.01

1.	Title of On farm Trial	Assessment of humidity management in paddy straw mushroom production
2.	Problem diagnosed	Low yield of paddy straw mushroom
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	<b>TO1-</b> Mushroom production by using bundled paddy straw substrate (3 layers) with covering the floor with 2 inch sand in moist condition and spreading wet gunny bag along the windows/ walls, <b>TO2-</b> Mushroom production by using bundled paddy straw substrate (3 layers) with Installation of Fogger and hanging of folding type of Gunny bag outside the unit.
4.	Source of Technology (ICAR/ AICRP/SAU/other)	CTMRT,OUAT, 2015
5.	Production system and thematic area	Mushroom production
6.	Performance of the Technology with performance indicators	Days to first flush, size of fruit budding, Average fruit body weight, pin head appearance (days), Biological efficiency, yield
7.	Final recommendation for micro level situation	Mushroom production by using bundled paddy straw substrate (3 layers) with Installation of Fogger and hanging of folding type of Gunny bag outside unit.
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: Mushroom production

Problem definition: Low yield of paddy straw mushroom

Technology assessed:

TO1- Mushroom production by using bundled paddy straw substrate (3 layers) with covering the floor with 2 inch sand in moist condition and spreading wet gunny bag along the windows/ walls TO2- Backyard rearing of Poultry breed "Kalinga Brown"

TO2- Mushroom production by using bundled paddy straw substrate (3 layers) with Installation of Fogger and hanging of folding type of Gunny bag outside the unit.

Table:

Technology	No. of	Bud size in	Yield(Kg	Cost of	Gross return	Net	BC ratio
option	trials	length(cm)	/bed)	cultivation(Rs./bed)	(Rs/bed)	return(Rs/bed)	
FP	7	3	0.35	50	63	13	1.26
TO1	7	4	0.55	55	99	44	1.8
TO2	7	5	0.8	60	144	84	2.4

<b>U</b> I		
1.	Title of On farm Trial	Assessment of skip furrow irrigation in olericulture (Brinjal, Okra, yambean) by utilizing water from farm pond
2.	Problem diagnosed	Low yield of vegetables and more water loss in farm pond due to improper irrigation water management .Water shortage in farm pond during Rabi/summer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	<b>TO1:</b> The conventional furrow irrigation is a practice of irrigating all the furrows in each irrigation. <b>TO2:</b> The skip furrow irrigation consisted of skipping furrows alternately resulting in each furrow being irrigated once in two irrigation
4.	Source of Technology (ICAR/ AICRP/SAU/other)	OUAT, 2020
5.	Production system and thematic area	Irrigated medium land, Water management
6.	Performance of the Technology with performance indicators	Yield (q/ha), Crop water productivity (kg of yield/cum of water used), B:C ratio
7.	Final recommendation for micro level situation	-
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	-

*Thematic area:* Water management

Problem definition: Low yield of vegetables and more water loss in farm pond due to improper irrigation water management .Water shortage in farm pond during Rabi/summer

Technology assessed:

**TO1-** The conventional furrow irrigation is a practice of irrigating all the furrows in each irrigation

**TO2-** The skip furrow irrigation consisted of skipping furrows alternately resulting in each furrow being irrigated once in two irrigation Table: Brinjal

Technolo	No. of	No of fruit	Total depth of	of Y	lield	Crop	water	Cost	of	Gross	Net	B:C Ratio
gy option	trials	per	water	(0	q/ha)	productivity	(kg of	cultivation(	Rs/ha)	Return	Return	
		plant(nos)	irrigated(mm)			yield/cum o	f water			(Rs/ha)	(Rs/ha)	
						used						
FP	7	13	495		200		4.04		83800	200000	116200	2.38
TO1	7	15	415		260		6.265		89000	260000	171000	2.92
TO2	7	12	180		175		6.25		88000	175000	87000	1.98

#### Table: Okra

Technolo	No. of	No of fruit	Total depth	of	Yield(q/h	Crop water	Cost of cultivation	Gross	Net	B:C Ratio
gy option	trials	per	water		a)	productivity (kg	(Rs/ha)	Return	Return	
		plant(nos)	irrigated(mm)			of yield/cum of		(Rs/ha)	(Rs/ha)	
						water used				
FP	7	10	325		75	2.30	75000	150000	75000	2
TO1	7	13	295		78	2.64	80000	156000	76000	1.95
TO2	7	9	180		54.5	3.027	78000	109000	31000	1.39

Results: Farmers appreciated TO1 as more yield was recorded with higher net income

#### OFT-8

1.	Title of On farm Trial	Assessment of performance of different Ragi threshing machines for small and marginal farmers
2.	Problem diagnosed	More time, labour and investment in manual threshing Unable to purchase existing machines due to high initial investment
3.	Details of technologies selected for assessment/refinement.	<b>TO1-</b> ,Threshing by paddle operated paddy thresher <b>TO2-</b> Threshing by power operated mini ragi thrasher cum pearler
4.	Source of Technology	OUAT,2019
5.	Production system and thematic area	Farm mechanization
6.	Performance of the Technology with performance indicators	Output (kg/h), Threshing efficiency (%), Cleaning efficiency (%), Cost of operation (Rs/q)
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area:

Problem definition: More time, labour and investment in manual threshing Unable to purchase existing machines due to high initial investment

Technology assessed:

**TO1-** Threshing by paddle operated paddy thresher **TO2-**Threshing by power operated mini ragi thrasher cum pearler

Table:

Technology	No. of	Threshing	Threshing	Cleaning	Cost	of	Cost Saving in threshing
option	trials	capacity(kg/h)	efficiency(%)	efficiency(%)	threshing(Rs/quintal)		(%)

FP	7	6.5	85	81	450	
TO1	7	12.4	73	63	380	15.5
TO2	7	30.5	95	93	185	58.8

Results: Farmers appreciated TO2 as more Threshing capacity, threshing efficiency and cleaning efficiency were recorded in the field

#### OFT-9

1.	Title of On farm Trial	Assessment of impact of Cluster Demonstration Programme
2.	Problem diagnosed	-
3.	Details of technologies selected for assessment/refinement	<b>FP:</b> Technology available with farmers <b>TO1</b> -Technology provided under CFLD through Krishi Vigyan Kendra, <b>TO2-</b> Technology provided by Cluster programme of Agriculture dept
4.	Source of Technology (ICAR/ AICRP/SAU/other)	-
5.	Production system and thematic area	Irrigated, medium land
6.	Performance of the Technology with performance indicators	Green gram/Groundnut
7.	Final recommendation for micro level situation	-
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	-

Thematic area:

Problem definition:-

Technology assessed:

**TO1**-Technology provided under CFLD through Krishi Vigyan Kendra, **TO2**- Technology provided by Cluster programme of Agriculture dept Table:

Parameter			FP					TO <sub>1</sub>					TO <sub>2</sub>		
	Strongl	Agree	Partially	Somehow	Not at	Strongly	Agree	Partially	Somehow	Not at al	Strongly	Agree	Partially	Somehow	Not at
	y agree		agree	agree	all	agree		agree	agree		agree		agree	agree	all
Change in knowledge	0	0	1	2	2	3	2	0	0	0	0	4	1	0	0
Change in skill	0	0	0	2	3	1	4	0	0	0	0	1	2	2	0
Extent of adoption	0	0	0	2	3	2	3	0	0	0	0	2	1	2	0
Change in perception	0	0	0	0	5	3	2	0	0	0	0	0	2	3	0
Change in yield	0	0	0	4	1	2	3	0	0	0	0	0	5	0	0
Timeliness	0	1	2	2	0	3	2	0	0	0	0	3	2	0	0
Applicability	0	0	0	4	1	5	0	0	0	0	0	1	0	4	0
Sustainability	0	0	0	3	2	5	0	0	0	0	0	0	1	4	0

Result : Comparison by the t-test between Farmers' Practice i.e. technology available with them with the  $TO_1$  i.e. Intervention of CFLD by KVK, it is found to be 4.557 which implies difference is highly significant whereas t-test between Farmers' Practice i.e. technology available with them with the  $TO_2$  i.e. intervention of cluster demonstration by agriculture department, it is found to be 3.173 which is also significant but the difference is less than the intervention by the KVK.

## 3.2 Achievements of Frontline Demonstrations

#### A. Details of FLDs conducted during the year

Cereals

<b>S</b> 1			Technology Demonstrated with detailed	Area	(ha)		No	. of fa	rmers	/ den	nonstr	atio	n	Reasons for
No	Crop	Thematic area	treatments	Prop	Act	SC	:	ST	Oth	ers	Tota	al		shortfall in
INO.			u cauncints	osed	ual	M	F I	MF	M	F	M	F	Т	achievement
1	Paddy	Integrated weed	<b>FP</b> :Hand weeding at 15-25 DAT and 45 DAT	0.4	0.4		:	3	2		10		10	-
		management	Hand weeding at 15-25 DAT and 45 DAT.											
			<b>Demo</b> :Application of Bensulfuron-methyl											
			0.6% and Pretilachlor 6% @ 60 g ai /ha and											
			600 g ai / ha at 3 DAT. Application of											
			Bensulfuron-methyl 0.6% and Pretilachlor 6%											
			@ 60 g ai /ha and 600 g ai / ha at 3 DAT											
2	Maize	Integrated weed	<b>FP-</b> Spraying of Atrazine 50WP @ 1kg a.i./ha	0.4	0.4		-	9		1	9	1	10	-
		management	at 15 DAS. Demo- Application of											
			Tembotroine 33.4 EC @ 125 g a.i./ha or											
			Topramazone 36.3 EC @ 30g a.i./ha at 15											
			DAS											
3.	Finger	Farm	FP-Manual hand weeding. Demo-Weeding by		1.0			3 4	1	2	4	6	10	-
	millet	mechanization	CRIJAF weeder											

#### Details of farming situation

		Farming		Status	s of soil (K	g/ha)	Provious	Souving	Uormost	Seasonal	No. of
Crop	Season	situation	Soil type	N	D O	K O	crop	data	date	rainfall	rainy
1		(RF/Irrigated)		IN	r <sub>2</sub> O <sub>5</sub>	<b>K</b> <sub>2</sub> <b>U</b>	crop	uate	uate	(mm)	days
Paddy	Kharif	Irrigated	Sandy loam	255	13	124	fallow	29/9/2023	15/1/2023	100	2
Maize	Rabi	Irrigated	Sandy loam	265	15	128	Paddy	3/1/2023	5/4/2023	20	3

#### **Performance of FLD Pulses:** Frontline demonstrations on oilseed crops

Crop	Themat	Name of the technology	No.	Area	Yield (	q/ha)	%	*Econ	nomics of	demonstra	ation	*	Economic	s of check	
	ic Area	demonstrated	of	(ha)			Inc		(Rs./	ha)			(Rs.	/ha)	
			Farm Demo Che			rea	Gross	Gross	Net	**	Gross	Gross	Net	**	
			ers			ck	se	Cost	Return	Return	BCR	Cost	Return	Return	BCR
Green	Integrated	Use of soil test based	10	0.4	Crop										
gram	nutrient	fertilizer application			in										
	managem	with organic integration			Field										
	ent	of vermicompost @2.5 t													
		/ha+ seed inoculation of													
		rhizobium @ 1.25kg/25													
		kg of seed													
Total			10	0.4											

\* 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

#### Oilseed

#### Frontline demonstration on pulse crops

	Thomatic		No.	A 1100	Yield	(q/ha)	%	*Eco	nomics of (Rs.	demonstra /ha)	ition	*]	Economic (Rs	s of chec ./ha)	k
Crop	Area	Name of the technology demonstrated	Farm ers	(ha)	Demo	Chec k	Increa se	Gross Cost	Gross Retur n	Net Return	** BC R	Gros s Cost	Gross Retur n	Net Retur n	** BC R
Sesamum	Integrated nutrient manageme nt	STBFR + Consortia of Azotobacter, Azospirillum and PSM each @ 4.0 kg/ha inoculated to 300 kg of FYM, mixed with 15 kg of lime, incubated at 30% moisture for a week & applied at the time of Sowing	10	0.4	Crop in field										
	Total			0.4											

\* 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**

					Yield (	(a/ha)	%	Ot	her	*Econ	omics of d	lemonstra	tion	*E	conomic	s of che	ck
Crop	Thema tic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Demo ns ration	Chec k	chan ge in yield	parar Dem o	Check	Gross Cost	(Rs./r Gross Return	na) Net Return	** BCR	Gross Cost	(Rs. Gross Return	<sup>7</sup> ha) Net Return	** BCR
Paddy	IWM	Application of Bensulfuron- methyl 0.6% and Pretilachlor 6% @ 60 g ai /ha and 600 g ai / ha at 3 DAT	10	0.4	44.9	35.6	20.71	19.2*	35.6*	54650	87106	32456	1.56	56280	69064	12784	1.22
Maize	IWM	Application of Tembotroine 33.4 EC @ 125 g a.i./ha or Topramazone 36.3 EC @ 30g a.i./ha at 15 DAS	10	0.4	63	50	20.63	7.5**	13.1**	45340	84500	39160	1.86	50000	67600	17600	1.35
Tomato	Variet al evalua tion	Triple disease resistant tomato hybrid Arka Samrat	10	0.4	441	330	33	Nil	20***	89400	352800	263400	3:94	79600	26400	184000	3.31
Papaya	INM	Integrated nutrient management in papaya	10	0.4	Contin uing												
	Total		30	1.2													

\*Weed density/m-2 at 90DAT for paddy \*\*Weed density/sq. m at 60 DAS for Maize \*\*\*Disease Incidence (%)

#### Livestock

Category	Themati c	Name of the technology	No. of Farmer	No. of	Major par	Aajor parameters		Other par	rameter	r *Economics of demonstration (Rs.)				*Economics of check (Rs.)			
	area	demonstrated		units	Demons	Chec	parameter	Demons	Chec	Gross	Gross	Net	**	Gross	Gross	Net	**
					ration	k		ration	k	Cost	Return	Return	BCR	Cost	Return	Return	BCR
Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Buffalo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pigerry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Fisheries

Category	Themati c area	Name of the technology	No	No	Major pai	ameters	% change	Other parameter *Economics of demonstration (Rs.)					n (Rs.)	*Economics of check (Rs.)				
		demonstrate d	Far me	of un	Demons ration	Check	in major paramete	Demons ration	Check	Gross Cost	Gross Return	Net Retu	** BCR	Gross Cost	Gross Return	Net Return	** BCR	
			r	its			r					rn					1	
Common carps	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Mussels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Others	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		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

	Name of the	No. of	No. of	Major paramete	ers	% change	Oth param	er neter	*Econor	nics of d or R	emonstrati s./unit	on (Rs.)	*	Econom (Rs.) o	ics of ch r Rs./uni	eck t
Category	technology demonstrated	Farmer	units	Demons ration	Che ck	in major paramet er	Demo ns ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	n –	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Button mushroon	ı -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tomato	Demonstration of Tomato powder	10	10	Sensory evaluation (Hedonic scale of rating)-7 Keeping Quality (days)-368	8				95	270	175	2.84	60	80	20	1.33
Green gram	Demonstration of Min Dal mill for drudgery reduction of farm women	10	10	Out put (Kg/hr)- 23.5	8.5	176.4	Heart rate - 89	115	Energy expendit ure (Kj/min) 8.11	43.27						
Oyster mushroom	Demonstration of Dried Oyster mushroom	10	10	Sensory evaluation (Hedonic scale of rating)-7, Keeping Quality (days)- Continuing	2				500	750	300	1.66	400	500	100	1.25
Tomato	Demonstration of ridge and furrow irrigation with organic mulching in tomato	10	10	Irrigation interval(days)-11, No of irrigation(nos)-8 Cost irrigation per ha(Rs/ha),-3200	6 14 5800	45% 42% 44%			97000	25500 0	158000	2.62	95000	185000	90000	1.94
Mustard	Demonstration of bullock drawn CIAE four row seed drill for sowing mustard	10	10	Yield(q/ha)-8.5	5.4	57%			14800	34000	19200	2.29	100500	21600	11100	2.05
Paddy	Demonstration of alternate wetting and drying method of irrigation on the performance of puddled rice	10	10	No of tillers per square meter(nos)- 275, Total depth of irrigation water(cm)-38	240 110	14.5% 65.4% saving	yield(q/ ha)-35.8	35.4	40500	75180	34680	1.85	52500	74340	31840	1.74
	Total	60	60													

\* 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

Catagoriu	Norre of to shu she sta	No. of domonstrations	Observa	tions	Domontra
Category	Name of technology	No. of demonstrations	Demonstration	Check	Kemarks
Farm Women	-	-	-	-	-
Pregnant women	-	-	-	-	-
Adolescent Girl	-	-	-	-	-
Other women	-	-	-	-	-
Children	-	-	-	-	-
Neonatal	-	-	-	-	-
Infants	-	-	_	-	-

#### Farm implements and machinery

Name of the	Crop	Name of the	No. of	Area	Filed observation (output/man h	our)	% change in	Labor	reduction	n (mar	n days)	Cost red	uction ( Rs./Uni	(Rs./ha c t)	or
implement	Стор	demonstrated	Farmer	(ha)	Demons ration	Check	parameter								
CRIJAF weeder	Finger millet	weeding by CrRIJAF weeder	10	1ha	Field capacity(ha/h)-0.016 weeding efficiency-85.4, cost of weeding per ha(Rs/ha)-2700	0.0025 95.4 8500	68.23%	2				68%			

\* 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

#### **Social Science**

#### Title - Demonstration on effectiveness of short technology videos on technology adoption

Problem	Less efficacy of existing dissemination modes i.e. text messages/verbal advisory
F.P.	Farmers are getting text messages and advisories from various sources
R.P.	Preparation of small videos (1.5-2.0 minutes) on different activities of production process of selected commodities and the same will be
	sent through WhatsApp to the identified farmers.
Details of	Production packages of prioritized commodities will be divided into different segments and short videos will be prepared and disseminated
Technology	through WhatsApp at appropriate time
Nos	$30 \operatorname{nos} + 30 \operatorname{nos}$

Result								
Parameters		FP			RP		r- value	Pearson r-value in total / t- Value
<b>Observation Parameters</b>	Very much	Much	Not at all	Very much	Much	Not at all		
Informative	21 (70%)	09(30%)	0	23(76%)	7(23%)	0	-0.017	0.082*
Understandable	07(23%)	21(70%)	02(23%)	21 (70%)	9 (30%)	0	-0.069	/
Timeliness	20(66%)	10(33%)	0	16(53%)	14(46%)	0	0.047	2.128*
Applicability	10(33%)	14(46%)	05(16%)	19(63%)	11 (36%)	0	-0.244	Significant
Sustainability	07(23%)	17(56%)	06(20%)	13(43%)	17(56%)	0	0.160	]
Performance Parameters	Fully	Partial	Nil	Fully	Partial	Nil		
Change in knowledge	12(40%)	18(60%)	0	19(63%)	11(36%)	0	-0.508	]
Change in skill	03(10%)	10(33%)	17(56%)	14(46%)	12(40%)	04(13%)	0.118	]
Rate of adoption	03(10%)	15(50%)	10(33%)	10(33%)	15(50%)	05(16%)	-0.082	

From the Pearson's r value and t-value, it is found that Farmers practice i.e. getting only text messages and recommended practice i.e. getting short videos on selected commodities in time through whatsapp is significantly different. above all the later is more effective as per observations from different parameters.

#### Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (k	xg/ha) / major p	arameter		Economics (R	s./ha)	
Cereals				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Bajra	-	-	-	-	-	-	-	-	-	-
Maize	-	-	-	-	-	-	-	-	-	-
Paddy	-	-	-	-	-	-	-	-	-	-
Sorghum	-	-	-	-	-	-	-	-	-	-
Wheat	-	-	-	-	-	-	-	-	-	-
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)	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-

#### Technical Feedback on the demonstrated technologies

Sl.	Crop	Feed Back
No		
1.	Finger millet	-CRIJAF cycle weeder in Ragi is suitable with 25-30 cm row spacing and it saves
		75 % labour cost which is appreciated by the farmers
2.	Vegetable	Ridge and furrow method of irrigation + organic mulching is suitable for vegetable
		crops as it saves irrigation cost 44.8 % and is appreciated by the farmers
3.	paddy	Irrigation with alternate wetting & drying saves 65 % water over flood method of
		irrigation in paddy during rabi.

#### Extension and Training activities under FLD

S1		Date	No. of	Number of	Remark
No	Activity		activities	participants	s
100.			organized		
1.	Field days	29.11.2022,12.12.22, 24.01.23,	9	322	
		02.02.23,16.3.2023, 18.3.2023,23.03.23 &			
		24.3.2023			
2.	Farmers Training	04.03.2022, 10-11.03.2022, 14-15.03.2022	03	75	-
3.	Media coverage	-	-	-	-
4.	Training for extension	23.11.2022	01	27	-
	functionaries				

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

#### A. Technical Parameters:

S1.	Crop	Existin	Exist	Yield	gap (k	Kg/ha)	Name of Variety	Nu	Are	Yi	eld		Yiel	d ga	ĩр
No.	demonstra	g	ing		w.r.to		+ Technology	mbe	a in	obta	ined		nini	mize	ed
	ted	(Farme	yield	District	State	Potenti	demonstrated	rof	ha	(q/	'ha)		(9	%)	
		r's)	(q/ha	yield	yield	al		farm		Max.	Mi	А	D	S	Р
		variety	)	(D)	(S)	yield		ers			n.	v.			
		name				(P)									
1	Groundnu	Local		19.82	19.	29.9	Varietal change	30	10	Crop					
	t				80		(Dharani) +			in					
							Seed treatment			field					
							with liquid								
							rhizobium+@ 5								
							ml of								
							sufficient water								
							$\frac{1}{\sqrt{k}}$								
							line sowing by								
							seed cum								
							fertilizer drill +								
							STB fertilizer								
							application +								
							spot drench with								
							Metalaxyl +								
							Mancozeb @ at								
							0.5  g/lit of								
							water,Foliar								
							spraying of multiplex@2.5								
							ml/lit of water								

2	Greengra	local	5.06	5.0	8.5	Varietal change	25	10	Crop			
	m			1		(Virat) + Seed			in			
						treatment with			field			
						liquid			nera			
						rhizobium+@ 8-						
						10 ml of						
						rhizobium with						
						sufficient water /						
						kg of seed+ STB						
						fertilizer						
						+application of						
						imidacloprid75%						
						@1gm/3 lit of						
						water+application						
						of emamectin						
						benzoate@1gm/3						
						lit of						
						water+application						
						of						
						hexaconazole@2						
						ml/1 lit of water						

#### **B.** Economic parameters

S1.	Variety demonstrated &	F	armer's Ex	isting plot			Demonstra	ation plot	
No.	Technology demonstrated	Gross	Gross	Net	B:C	Gross	Gross	Net	B:C
		Cost	return	Return	ratio	Cost	return	Return	ratio
		(Rs/ha)	(Rs/ha)	(Rs/ha)		(Rs/ha)	(Rs/ha)	(Rs/ha)	
1	Varietal change (Dharani) + Seed treatment with liquid rhizobium+@ 5 ml of formulation with sufficient water / kg of seed+ line sowing by seed cum fertilizer drill + STB fertilizer application + spot drench with Metalaxyl + Mancozeb @ at 0.5 g/lit of water,Foliar spraying of multi	-	-	-	-	-	-	-	-
2	plex@2.5 ml/lit of water								
2	treatment with liquid rhizobium+@ 8-10 ml of rhizobium with sufficient water / kg of seed+ STB fertilizer +application of imidacloprid75%@1gm/3 lit of water+application of emamectin benzoate@1gm/3 lit of water+application of hexaconazole@2 ml/1 lit of water	-	-	-	-	-	-	-	_

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

#### D. Oilseed Farmers' perception of the intervention demonstrated

S1.	Technologies		Farmers' Perception parameters													
No	demonstrated	Suitability to	Likings	Afford	Any	Is Technology	Suggestions, for									
	(with name)	their farming	(Preference)	ability	negative	acceptable to all in	change/									
		system	l` í		effect	the group/village	improvement, if									
		5					any									
-	-	-	-	-	-	-	-									

#### E. Specific Characteristics of Technology and Performance

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

#### F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Field day	17.03.2023	50
2	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.





#### J. Details of budget utilization (oilseed)

Crop	Items	Budget	Budget	Balance
		Received(Rs.)	Utilization(Rs.)	(Rs.)
Groundnut	i) Critical input		109740	
	ii) TA/DA/POL etc. for monitoring		6553	
	iii) Extension Activities (Field day)		3307	
	iv)Publication of literature		-	
	Total	120000	120000	Nil

#### **Details of budget utilization (pulse)**

Crop	Items	Budget Received	Budget	Balance
		(Rs.)	Utilization (Rs.)	(Rs.)
Greengram	i) Critical input		82183	
	ii) TA/DA/POL etc. for monitoring		4110	
	iii) Extension Activities (Field day)		3707	
	iv)Publication of literature		-	
	Total	90000	90000	Nil

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

#### A) Farmers and farm women (on campus)

Thematic Area	No. of	No. of <b>No. of Participants</b>											Grand Total			
	Cour		Other		SC		ST									
	ses	М	F	Т	Μ	F	Т	М	F	Т	Μ	F	Т			
I. Crop Production																
Weed Management																
Resource Conservation Technologies																
Cropping Systems																
Crop Diversification																
Integrated Farming																
Micro irrigation/irrigation																

Seed production							
Nursery management							
Integrated Crop Management							
Soil & water conservation							
Integrated nutrient Management							
Production of organic inputs							
Others							
Total							
II. Horticulture							
a) Vegetable Crops							
Production of low volume and high							
value crops							
Off season vegetables							
Nurserv raising							
Exotic vegetables							
Export potential vegetables							
Grading and standardization							
Protective cultivation							
Others							
Total (a)							
b) Fruits							
Fraining and Pruning							
Lavout 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							
echnology							
Processing and value addition							
Others							
Total (d)							
e) Tuber crops							
Production and Management							
technology		<u> </u>					
Processing and value addition							
Others			<u> </u>				
Total (e)							
) Spices		-					
Production and Management technology							
Processing and value addition							
Others							

<b>T</b> : 1/0		(	-	,	r		1		<b></b>				
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management													
Post howest technology												┟────┦	
addition													
Others													
Total (g)													
Total (g)													
III Soil Hoalth and Fortility													
Management													
Soil fertility management													
Integrated water management													
Integrated Nutriant Management													
Production and use of organic inputs													
Management of Problematic soils													
Miaro putrient deficiency in group													
Nutrient Lies Efficiency													
Nutrient Use Efficiency													
Salance Use of Tertilizer													
son & water testing												┝───┦	
Diners Tradal													
I Otal													
V. Livestock Production and													
Management													
Dairy Management										┝──┤		┟────┦	
Poultry Management				┢────┦						┝──┥		┟────┦	
Piggery Management				┢━━━━┩									
Kabbit Management										┝───┤		┝───┦	
Animal Nutrition Management				┟────┦						┝──┥		┝───┦	
Disease Management										┝───┤		┝───┦	
feed & fodder technologies										┝───┤		┝───┦	
roduction of quality animal													
Others				┢━━━━┩									
Tatal												┟────┦	
I Utan													
v. Home Science/women													
Household food security by kitchen													
readening and nutrition gardening													
Design and development of													
ow/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	2	-	13	13	-	2	2	-	35	35	-	50	50
Women empowerment													
Location specific drudgery reduction													
echnologies													
Rural Crafts													
Women and child care													
Others													

Total	2	-	13	13	-	2	2	-	35	35	-	50	50
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													
ntagrated Post Management													
Integrated Pest Management													
Discuster la franctione de l'incerne													
Biocontrol of pests and diseases													
Production of bio control agents and													
pio 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													
Tatal													
10tai V. Duoduction of Input et site													
A. Production of Input at site													
Planting material production													
BioUagents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax													
sheets													
Small tools and implements													
Production of livestock feed and													
fodder													
Production of Fish feed													
Mushroom production													

Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	12	26	13	13	0	2	2	87	40	35	130	55	200

## **B)** Rural Youth (on campus)

Thematic Area	No. of	No. of Participants										Grand Total		
	Courses	Other			SC			ST			1			
		Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т	
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	6	21	51	72	1	4	5	16	18	34	38	73	111	
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														
Drnamental fisheries														
Composite fish culture														
-------------------------------------	----	----	----	-----	---	---	----	----	----	-----	-----	-----	-----	
Freshwater prawn culture														
Shrimp farming														
Pearl culture														
Cold water fisheries														
Fish harvest and processing														
echnology														
Fry and fingerling rearing														
Others (Mushroom spawn production)	1	9	2	11	1	-	1	3	6	9	13	8	21	
Others (INM in cereals, IWM in	4	13	0	13	0	0	0	42	5	47	55	5	60	
weeds, Maize based cropping system,														
Different types of compost)														
Others (Marketing management of	1	1	5	6	0	1	1	8	18	26	9	24	33	
enterprises)														
Others- Formation and management of	1	14	0	14	7	0	7	4	0	4	25	0	25	
FPOs														
Total	13	58	58	116	9	5	14	73	47	120	140	110	250	

# C) Extension Personnel (on campus)

Thematic Area	No. of	/		No	. of ]	Partic	ipants				Gran	d Tota	l
	Cours		Other			SC	2		ST		1	F       F       10       10       9       25       11       3       3       2	
	es	Μ	F	Т	No. of Participants         ST         Grand Total           T         M         F         T         M         F         T         M         F         T         M         F           Image: Image of the stress of th	F	Т						
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs	2	30	5					10	5		40	10	50
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	1												
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application	1	12	6	18	0	2	2	2	1	3	14	9	23
Management in farm animals													
Livestock feed and fodder production													
Household food security	1	-	12	12	-	-	-	-	13	13	-	25	25
Other (Drudgery reduction small tools)	1	-	20	20	-	-	-	-	7	7	-		
Other- Training need assessment and	1	12	7	19	2	0	2	2	4	6	16	11	27
formulation of training programme													
Process documentation and farm journalism	ı 1	16	1	17	1	0	1	4	2	6	21	3	24
Preparation and Use of low cost Audio-	1	14	3	17	0	0	0	0	0	0	14	3	17
Visual aids													
Engineering measurement in water	1	11	0	11	1	0	1	5	2	7	17	2	19
conservation and management of farm pond	1												
Tota	9	95	54	114	4	2	6	23	34	42	122	63	185

# D) Farmers and farm women (off campus)

Thematic Area	No. of			N	lo. of	Parti	cipan	ts			Gra	and To	tal
	Courses		Other			SC			ST				
		M	F	Т	M	F	Т	M	F	Т	Μ	F	Т
I. Crop Production							0						
Weed Management	3	33	7	40			0	29	6	35	62	13	75

Resource Conservation Technologies		23	2	25			0			0	23	2	25
Cropping Systems	1							23	2	25	23	2	25
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management	1	13	10	23			0	2		2	15	10	25
Soil & water conservation													
Integrated nutrient													
Management													
Production of organic inputs	1	8	2	10			0	12	3	15	20	5	25
Others													
Total	7	77	21	98			0	66	11	77	143	32	175
II. Horticulture													
a) Vegetable Crops													
Production of low volume and													
Off season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others(INM in potato)	1				25		25				25		25
Total (a)	1				25		25				25		25
b) Fruits	1				23		23				23		23
Training and Pruning													
Lavout 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(INM in papaya)	1	14		14	5	8	13				19	8	27
Total (b)	1	14		14	5	8	13				19	8	27
c) Floriculture Plants													
Nursery Management													
Management of potted plants													
Export potential of Floriculture plants													
Propagation techniques of Floriculture Plants													

Others(Cultivation practices of marigold)	1	2	11	13	5		5	7		7	14	11	25
Total (c)	1	2	11	13	5		5	7		7	14	11	25
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)	3	16	11	27	35	8	43	7	0	7	58	19	77
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient													
Management													
Production and use of organic													
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	2		21	21		22	22		22	22		75	75
participant development of	2		21	21		22	22		32	32		/5	/5
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	1								25	25		25	25
Rural Crafts													
Women and child care													
Others (Mushroom production)	2		36	36		5	5		9	9	0	50	50
Others (Sericulture)	1			0			0	25		25	25	0	25
Total	6	0	57	57	0	27	27	25	66	91	25	150	175
VI. Agril. Engineering													
Farm machinery & its													
maintenance	5	38	11	49	0	1	1	71	13	84	109	25	134
Installation and maintenance of		0	0	0	0			0.1	0	20	0.1	0	20
micro irrigation systems		0	0	0	0	0	0	21	9	30	21	9	30
Dise of Plastics in farming													
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	6	38	11	49	0	1	1	92	22	114	130	34	164

VII. Plant Protection							
Integrated Pest Management							
Integrated Disease							
Management							
BioUcontrol of pests and							
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							
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							
Seed Production							
Planting material production				 			
Bio-agents production							
Bio-pesticides production							
Bio fertilizer production							
Vermi compost production							
Organia manunas production							
Production of fry and				 	 		
fingerlings							
Production of Bee-colonies and							
wax sheets		 		 	 		
Small tools and implements							
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	1	1	4	5	2	5	7	5	8	13	8	17	25
Mobilization of social capital													
Entrepreneurial development of farmers/youths	1	0	0	0	10		10	15	0	15	25	0	25
WTO and IPR issues													
Others													
Total	2	1	4	5	12	5	17	20	8	28	33	17	50
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	24	132	104	236	47	41	88	210	107	317	389	252	641

# E) RURAL YOUTH (Off Campus)

Thematic Area	No.			No	. of Pa	articip	ants				Gran	d Tota	l
	of		Other			SC			ST				
	Cou rses	Μ	F	Т	Μ	F	Т	Μ	F	Т	M	F	Т
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							
Tota							

# F) Extension Personnel (Off Campus)

Thematic Area	No. of			ľ	No. of P	Particip	oants				Gran	d Total	
	Cours		Other			SC			ST				
	es	Μ	F	Т	Μ	F	Т	Μ	F	Т	M	F	Т
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													
Tota													

# G) Consolidated table (ON and OFF Campus) i. Farmers & Farm Women

Thematic Area	No.			ľ	No. of I	Partic	ipants				Gran	nd Tota	al
	of		Other			SC			ST		1		
	Cou rses	М	F	Т	Μ	F	Т	М	F	Т	М	F	Т
I. Crop Production													
Weed Management	3	33	7	40				29	6	35	62	13	75
Resource Conservation Technologies	1	23	2	25							23	2	25
Cropping Systems	1							23	2	25	23	2	25
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management	1	13	10	23				2		2	15	10	25
Production of organic inputs	1	8	2	10				12	3	15	20	5	25
Others													
Total	7	77	21	98			0	66	11	77	143	32	175
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(INM in potato)	1				25		25				25		25
Fotal (a)	1				25		25				25		25
b) Fruits													
Fraining and Pruning													
Lavout 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(INM in papaya)	1	14		14	5	8	13				19	8	27
Fotal (b)	1	14		14	5	8	13				19	8	27
c) Floriculture Plants						Ŭ						0	
Nursery Management													
Management of potted plants													
Export potential of Floriculture plants													
Propagation techniques of Floriculture													
Plants													
Others(Cultivation practices of													
marigold)	1	2	11	13	5		5	7		7	14	11	25
Fotal (c)	1	2	11	13	5		5	7		7	14	11	25
d) Plantation crops													
Production and Management													
technology													
Processing and value addition													
Others													
Fotal (d)													
e) Tuber crops													
Production and Management													
technology													
Processing and value addition													
Others													
Fotal (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)	3	16	11	27	35	8	43	7	0	7	58	19	77
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													
I Utai V. Homo Soionee/Women													
v. Home Science/ women													
Household food security by kitchen	2		21	21		22	22		22	22		75	75
gardening and nutrition gardening	2		21	21		22	22		52	32		15	15
Design and development of low/minimum													
cost diet													
Designing and development for high													
butrient efficiency diet													
Minimization of nutrient loss in													
processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition	2	_	13	13	_	2	2	_	35	35	_	50	50
Women empowerment	2		15	15		2	2		55	55		50	50
Location specific drudgery reduction													
echnologies	1	-	-	-	-	-	-	-	25	25	-	25	25
Rural Crafts													
Women and child care													
Others (Mushroom)	2	_	36	36	_	5	5		9	99	-	50	50
Other (Sericulture)	1				_	-	-	25		25	25	-	25
Total	9	0	70	70	0	20	20	25	101	23	25	200	225
VI Agril Engineering	0	U	10	70	U	2)	2)	23	101	210	23	200	223
Farm machinery & its maintenance	5	38	11	49	0	1	1	71	13	84	109	25	134
Installation and maintenance of micro		50			0	-	1	,1	15		21	9	30
irrigation systems	1	0	0	0	0	0	0	21	9	30		-	
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	<u> </u>												
Total	6	38	11	/10	0	1	1	02	22	114	130	34	164
VII Plant Protection				<del>ر ب</del>	U		1	74		117	150	54	104
Integrated Pest Management													
nice a con management	1		1	1		1	1	1	1	1	1	1	1

Integrated Disease Management													
Bio0control of pests and diseases	1												
Production of bio control agents and													
pio 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									<u> </u>	<u> </u>			
Fish processing and value addition	1											<u> </u>	
Others	1									<u> </u>		<u> </u>	
Total													
IV Production of Input at site	1												
Seed Production	1									<u> </u>		<u> </u>	
Planting material production	1												
Bio-agents production													
Bio posticidos production	1									<u> </u>		<u> </u>	
Bio fertilizer production	1									<u> </u>		<u> </u>	
Vormi compost production	1								<u> </u>	<u> </u>			
Organia manuras production	1								<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Production of fry and fingerlings	1								<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Production of Pop colonies and way	1								<u> </u>	<u> </u>	<u> </u>	<u> </u>	
sheets													
Small tools and implements	1									<u> </u>		<u> </u>	
Braduation of livestock food and fodder	1								<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Production of Fish food									<u> </u>	<u> </u>		<u> </u>	
Auchroem production									<u> </u>	<u> </u>	<u> </u>	<u> </u>	
A migulture									<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Others									<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Juners Tratal											<u> </u>	<u> </u>	
I Otal	-								<u> </u>	<u> </u>	<u> </u>	<u> </u>	
A. Capacity Building and Group	1												
Landership development	1								<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Crown dynamics									<u> </u>	<u> </u>		<u> </u>	
Formation and Management of SHGs	1	1	4	5	2	5	7	5	0	12	0	17	25
Mabilization of social capital	1	1	4	5	2	5	/	5	0	15	0	1/	23
Entrepreneuriel development of									<u> </u>	<u> </u>		<u> </u>	25
farmers/youths	1				10		10	15		15	25		25
WTO and IPP issues	1												
Others	1								<u> </u>	<u> </u>			
Tatal	2	1	1	5	12	5	17	20	Q	28	22	17	50
10tal XI Agro forestry	<u> </u>	1		5	14		1/	20	0	20	- 55	1/	50
Production technologies	1					-			<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Nursery management	1					-			<u> </u>	<u> </u>	<u> </u>	<u> </u>	
Integrated Farming Systems						-				<u> </u>			
Others	1					-				<u> </u>			
Tatal													
rotal	1	1	1	1	1	i i	1	1	1	1	1	1	l I

XII. Others (Pl. Specify)													
GRAND TOTAL	26	132	117	249	47	43	90	210	142	442	389	302	691

# ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of			N	[ <b>o. of</b> ]	Partici	pants				Gra	nd To	tal
	Cours		Other	•		SC	•		ST		1		
	es	М	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
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													
Vormiculture													-
Verificulture	(	21	51	72	1	4	5	16	10	24	20	72	111
Nushroom Production	6	21	51	12	1	4	3	16	18	34	38	/3	111
Beekeeping													
Sericulture													
Repair and maintenance of farm													
machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Failoring 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 (Mushroom spawn production)	1	9	2	11	1	-	1	3	6	9	13	8	21
Others (INM in cereals, IWM in weeds,	4	13	0	13	0	0	0	42	5	47	55	5	60
Maize based cropping system, Different													
ypes of compost)													
Others (Marketing management of	1	1	5	6	0	1	1	8	18	26	9	24	33
enterprises)													
Others- Formation and management of	1	14	0	14	7	0	7	4	0	4	25	0	25
FPOs													
Total	13	58	58	116	9	5	14	73	47	120	140	110	250

# iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of			No	o. of P	Particip	oants				Gran	d Tota	1
	Cours		Other			SC			ST				
	es	M F T			Μ	F	Т	Μ	F	Т	Μ	F	Т

Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs	2	30	5					10	5		40	10	50
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	1	12	6	18	0	2	2	2	1	3	14	9	23
Management in farm animals													
Livestock feed and fodder production													
Household food security	1		12	12					13	13		25	25
Other (Drudgery reduction small tools)	1		20	20					7	7			
Other- Training need assessment and	1	12	7	19	2		2	2	4	6	16	11	27
formulation of training programme													
Process documentation and farm	1	16	1	17	1		1	4	2	6	21	3	24
ournalism													
Preparation and Use of low cost Audio-	1	14	3	17							14	3	17
Visual aids													
Engineering measurement in water	1	11		11	1		1	5	2	7	17	2	19
conservation and management of farm pond	0	07		114					24	12	100	()	105
Total	9	95	54	114	4	2	6	23	34	42	122	63	185

#### Training programmes as Annexure in the proforma given below

Discipline	Clien	Title of the training programme	Duration	Venue	Numb	er of parti	cipants	Nur	nber of SC	C/ST
	tele		in days	(Off / On						
				Campus)	Male	Female	Total	Male	Female	Total
Agronomy	FW	Scientific method of sugarcane	1	OFF	23	2	25		-	0
		cultivation								
Agronomy	FW	Training on rice crop manager	1	OFF	0	20	20	20	5	25
Agronomy	FW	Integrated weed management in rice	1	OFF	23	2	25	8		8
Agronomy	FW	Organic rice cultivation	1	OFF	20	5	25	12	3	15
Agronomy	FW	Integrated nutrient management in groundnut	1	OFF	13	10	23	2		2
Agronomy	FW	Judicious use of herbicide in green gram	1	OFF	19	6	25	19	6	25
Agronomy	FW	Judicious use of herbicide in toria	1	OFF	18	5	23	2		2
Agronomy	FW	Water harvesting structures	1	OFF	25	0	25	25		25
Horticulture	FW	INM in Papaya	1	OFF	27	0	27	13	0	13
Horticulture	FW	INM in Potato	1	OFF	25	0	25	25	0	25
Horticulture	FW	Newly released varieties of solanaceous crop	1	OFF	25	0	25	9	0	9
Horticulture	FW	Cultivation Practices of Marigold	1	OFF	7	18	25	5	7	12
Ag. Engg.	FW	Training and demonstration on transplanter with line department	1	OFF	25	0	25	0	25	25
Ag. Engg	FW	Training on use and operation of weeders for intercultural operation in line sown millet	1	OFF	19	6	25	5	2	7

Discipline	Clien tele	Title of the training programme	Duration in days	Venue (Off / On	Numb	er of parti	cipants	Nur	nber of SC	C/ST
				Campus)	Male	Female	Total	Male	Female	Total
Ag. Engg	FW	mechanized ragi threshing	1	OFF	19	6	25	19	6	25
Ag. Engg	FW	Training on micro irrigation in vegetables	1	OFF	21	9	30	21	9	30
Ag. Engg	FW	Training on manual vegetable transplanter operation	1	OFF	21	11	32	10	5	15
Ag. Engg	FW	Training on mechanical weed controls and intercultural operations	1	OFF	25	2	27	12	1	13
Home Sc.	FW	Management of poultry in backyard	1	OFF		25	25		25	25
Home Sc.	FW	Care and precautions for proper paddy straw mushroom production	1	OFF		25	25	0	20	20
Home Sc.	FW	Development of nutritional garden for nutritional security of family members	1	OFF		25	25		4	4
Home Sc.	FW	Management of Chowki garden	1	OFF	25		25	25		25
Home Sc.	FW	Paddy straw mushroom cultivation technique using crumpled paddy straw	1	OFF		25	25		4	4
Home Sc.	FW	Development of nutritional garden for nutritional security of family members	1	OFF		30	30		30	30
Home Sc.	FW	Management of poultry in backyard	1	OFF		25	25		4	4
Home Sc.	FW	Care and precautions while using Mini Dal mill	1	OFF		25	25		25	25
Home Sc.	FW	Value addition of tomato by preparing tomato powder and tomato sauce	2	ON		25	25		16	16
Home Sc.	FW	Value addition of tomato by preparing tomato powder	2	ON		25	25		21	21
Agril Extension	FW	Formation and management of framers' club	1	OFF	25	0	25	25	0	25
Agril Extension	FW	Book keeping and record Maintenance of SHGs	1	OFF	8	17	25	7	13	20
Agronomy	IS	Organic farming and its accreditation	2	ON	8	7	15	7		7
Agronomy	IS	Organic farming and its accreditation	2	ON	10	5	15	5		5
Ag. Engg	IS	Engineering measures in water conservation and management in farm pond	1	ON	17	2	19	6	2	8
Home Sc.	IS	Proper planning and layout of kitchen garden for nutritional security of family members	1	ON		25	25		13	13
Home Sc.	IS	Use of different Agricultural and allied small women friendly farm tools for drudgery reduction of farm women	1	ON		27	27		7	7
Agril Extension	IS	Training need assessment and formulation of training programme	2	ON	16	11	27	4	4	8
Agril Extension	IS	Process Documentation and farm journalism	2	ON	21	3	24	5	2	7
Agronomy	RY	Training on different types of compost preparation	3	ON	10	5	15	10	3	13
Agronomy	RY	Integrated nutrient management in cereals	3	ON	12	3	15	5	3	8
Agronomy	RY	Integrated weed management in pulses	3	ON	15		15	13		13
Horticulture	RY	High tech horticulture & precision farming	1	OFF	21	1	22	13	1	14
Horticulture	RY	Commercialization of high value of high value vegetables	1	OFF	15	0	15	5	0	5
Horticulture	RY	Off Season Vegetables Cultivation	1	OFF	25	0	25	13	0	13
Home Sc.	RY	Paddy straw mushroom cultivation technique	3	ON	12	15	27	8	23	31

Discipline	Clien tele	Title of the training programme	Duration in days	Venue (Off / On	Numb	er of parti	cipants	Nur	nber of SC	C/ST
				Campus)	Male	Female	Total	Male	Female	Total
Home Sc.	RY	Oyster mushroom cultivation technique	3	ON	9	26	35	9	8	17
Home Sc.	RY	Mushroom spawn production technique	5	ON	9	2	11	4	6	10
Agril Extension	RY	Formation and management of FPOs	2	ON	25	0	25	11	0	11
Agril Extension	RY	Marketing management of Enterprises including sorting, grading, packaging, labeling and branding	2	ON	9	24	33	8	19	27

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

# **H)** Vocational training programmes for Rural Youth a) Details of training programmes for Rural Youth

I Crop / Enterprise	Identifi ed Thrust	Training title*	Dura tion (day	No.	of Particip	pants	Self emple	oyed after	training	Number of persons employe d else where
	Area		5)	Male	Female	Total	Type of units	Number of units	Number of persons employed	
Mushroom	SSIGA	Paddy straw mushroom cultivation technique	3	20	38	58	Mushroom unit	39	45	-
Mushroom	SSIGA	Oyster mushroom cultivation technique	3	18	34	52	Mushroom unit	41	49	-
Mushroom spawn production	SSIGA	Mushroom Spawn production technique	5	13	8		Mushroom production and spawn production unit	2	6	-
Compost preparation	SSIGA	Different types of preparation of compost	3	13	2	15	-	-	-	

\*training title should specify the major technology /skill transferred

# b) Details of participation

Thematic Area	No. of				No.	of Par	rticipan	its			Gran	d Total	
	Cours		Other	•		SC			ST				
	es	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Crop production and management													
Commercial floriculture													
Commercial fruit production													
Commercial vegetable production													
Integrated crop management													
Organic farming													
Other													
Total													
Post harvest technology and value													
addition													
Value addition													
Other													1
Total													

Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting													
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm													
machinery & implements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation	6	21	51	72	1	4	5	16	18	34	38	73	111
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying													
etc.													
Agril. Para-workers, para-vet training													
Other (Mushroom spawn production)	1	9	2	11	1	-	1	3	6	9	13	8	21
Other (Preparation of different types of compost)	1	3						10	2	12	12	3	15
Total	8	33	53	83	2	4	6	29	26	55	63	84	147
Agricultural Extension													
Capacity building and group dynamics													
Others- Formation and management of	1	14	0	14	7	0	7	4	0	1	25	0	25
FPOs	1	14	0	14	/	0	/	4	0	4	23	0	
Others- Marketing management of	1	1	5	6	0	1	1	8	18	26	9	24	33
enterprises	1	1				1	1	0	10	20		27	
Total	2	15	5	20	7	1	8	12	18	30	34	24	58
Grand Total	10	48	58	103	9	5	14	41	44	85	97	108	205

I) Sponsored Training Programmesa) Details of Sponsored Training Programme

Sl No	Title	Thematic area	Month	Durati on	Client PF/RY/	No. of course	No. of participa	Sponsoring Agency
.110				(days)	EF	s	nts	
1	Paddy straw mushroom production/Commercial mushroom production	Income generation	March	5days	RY	18	20	OMBADC
2	Training cum awareness programme for pump technicians and farmers	Farm machinery, tools and implements	March	1 day	PF	1	75	Engineer-in- chief,Electricity cum principal,Chief Electrical Inspector,Govt of Odisha

# b) Details of participation

Thematic Area	No. of				No. of	Partici	ipant	s			Gran	d To	tal
	Cours		Other			SC			ST				
	es	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т

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	1	30	8	38	1	1	2	35	0	35	66	9	75
Other	<u> </u>												
Total	1	30	8	38	1	1	2	35	0	35	66	9	75
Livestock and fisheries	L												
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												<u> </u>	
Total											1		
Agricultural Extension										1	1		
Capacity Building and Group Dynamics											1	1	
Other											1	1	
Total										+	+	+	
Cront Total	1	30	Q	20	1	1	2	35	Δ	35	66	0	75
Grant Total		50	o	50	1	1	4	33	U	55	00	, ,	13

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

Nature of Extension	No. of		Fa	rmers		Exte	nsion O	fficials		Total	
Activity	activities	М	F	Т	SC/ST (% of total)	Mal e	Fem ale	Total	Male	Female	Total
Field Day	9	130	192	322	187	10	1	11	140	193	333
Kisan Mela	2	481	99	580	336			0	481	99	580
Kisan Ghosthi	2		70	70	41	3	5	8	3	75	78
Exhibition	1	172	35	207	120	10	3	13	182	38	220
Film Show	15	279	61	340	197	23	10	33	302	71	373
Method Demonstrations	11	80	90	170	99			0	80	90	170
Farmers Seminar		0	0		0			0	0	0	0
Workshop		0	0		0			0	0	0	0
Group meetings	15	259	53	312	181			0	259	53	312

Lectures delivered as resource persons	37	715	295	1010	586	198	82	280	913	377	1290
Advisory Services	6	Mass	Mass					0			
Scientific visit to farmers field	59	770	158	928	538	36	10	46	806	168	974
Farmers visit to KVK	219	119	100	219	127			0	119	100	219
Diagnostic visits	62	282	58	340	197	20	5	25	302	63	365
Exposure visits											
Ex-trainees Sammelan											
Soil health Camp											
Animal Health Camp	1	51	10	61	35	8	2	10	59	12	71
Agri mobile clinic					0			0	0	0	0
Soil test campaigns	1	39	3	42	24		1	1	39	4	43
Farm Science Club											
Conveners meet					0			0	0	0	0
Self Help Group											
Conveners meetings	1		61	61	35	4	2	6	4	63	67
Mahila Mandals											
Conveners meetings	0	0	0	0	0			0	0	0	0
Celebration of important	_	- 40			450						
days (specify)	1	548	231	779	452			0	548	231	779
Poshan Abhiyan and	1		102	102	50	2	2	6	2	105	100
Bruksnya ropan	1		102	102	39	3	3	0	3	105	108
Mahila kissan Diwas	1		58	58	34	3	1	4	3	59	62
PM Kisan Samman		105		1.0	07	10		1.0			1.0
Sammelan	1	105	45	150	87	10	2	12	115	47	162
Vigilance Awareness	1	4	24	20	17	2	6	0	(	20	20
week	1	4	24	28	10	2	0	8	0	30	30
Swachhata hin sewa	1	70	50	120	70	3	6	9	73	56	129
Jal Shakti Aviyan	1	10	50		0			0	10	50	60
World water day	1	98	37	135	78			0	98	37	135
Krishi Sanyatra Mela	1	198	102	300	174	30	10	40	228	112	340
Total	456	4410	1984	6334	3673	363	149	512	4773	2133	6906

# **B.** Other Extension activities

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

# 3.5 a. Production and supply of Technological products Village seed

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production		to	Nuı o wh	mbei .om s	of f seed	àrmo prov	ers vided	
					SC			ST	C	ther	Total	
					М	F	Μ	F	Μ	F	Μ	F

Green gram	Virat	18.2	199290	50	35	5	8	2	43	7
Total		18.2	199290	50	35	5	8	2	43	7

# KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)		to	Num who	ber o m see	f farn d pro	ners videc	1	
				SC	C		ST		Other		Fotal
				Μ	F	Μ	F	Μ	F	Μ	F
Paddy	Swarna Sub-1	456	1482000	55	38	25	31	432	250	512	319
Grand Total		456	1482000	55	38	25	31	432	250	512	319

# Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	to	whoi	Nun n pla	nber nting	of fai mate	rmers erial	s provic	led
				S	С	S	Т	Ot	her	To	tal
				Μ	F	Μ	F	Μ	F	М	F
Vegetable seedlings											
Cauliflower	Hybrid	31393	31393							170	102
Cabbage	Hybrid	26719	26715							185	85
Tomato	Hybrid										
Brinjal	Hybrid	101753	101753							205	135
Chilli	Haldikhadi	54578	54578							155	125
Onion											
Others											
Fruits											
Mango											
Guava											
Lime											
Papaya	Red lady	12178	2,43,560							185	55
Banana											
Others	Hybrid	9420	1,41,300							126	35
Ornamental plants											
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Others, pl. specify											
Total		236041	599299	0	0	0	0	0	0	1026	537

# **Production of Bio-Products**

Name of product	Quantity Kg	Value (Rs.)		No	o. of	Far	mer	s be	nefitted	
				SC		ST	0	ther		Total
			М	F	М	F	М	F	М	F
Bio-fertilizers										
Bio-pesticide										

Bio-fungicide										
Bio-agents										
Others(Vermicompost)	1360	26055							58	22
Others( Azolla)	377	3770							325	15
Total	1737	29825	0	0	0	0	0	0	383	37

#### Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	) No. of Farmers benefited							
				5	SC	S	Г	Oth	ner	То	otal
				М	F	М	F	М	F	М	F
Dairy animals											
Cows											
Buffaloes											
Calves											
Others (Pl. specify)											
Small ruminants											
Sheep											
Goat											
Other, please specify											
Poultry											
Broilers											
Layers											
Duals (broiler and layer)	Rainbow rooster, Kadaknath, RIR	5130	384750							35	65
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		5130	384750			1				35	65

# **3.5. b. Seed Hub Programme -** *"Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India"* i) Name of Seed Hub Centre:

Name of Nodal Officer :	Senior scientist and head, KVKMBJ-1
Address :	Krishi vigyan kendra MBJ-1, Shymakhunta, Mayurbhanj-757049
e-mail :	kvkmayurbhanj1.ouat@gmail.com
Phone No. :	9437147938
Mobile :	

# ii) Quality Seed Production Reports

Season	Crop	Varie	Production (q)				
		ty	Target	Area sown	Production	Category of Seed	
				(ha)		(F/S, C/S)	
Summer/Spring 2022	Green gram	Virat	300	100	18.2	C/S	

#### iii) Financial Progress

Fund received	Expenditur	e (Rs. in lakhs)	Unspent balance	Remarks
(2019-20, 2020-21, 2021-22 and 2022-23)	Infrastructure	Revolving fund	(Rs. 1n lakhs)	
2019-20	-	134069	3108388	
2020-21	-	611755	2723015	
2021-22	-	287777	2735586	
2022-23	-	292498	2588151	

# iv) Infrastructure Development

Item	Progress
Seed processing unit	Established and working
Seed storage structure	

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

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

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

(D)	5) Details of TRD programmes undergone by KVK personner.							
S1.	Name of	Name of course	Name of KVK personnel	Date and Duration	Organized by			
No.	programme		and designation					
1.	KVK-CISA	KVK-CISA Annual	Dr Plabita Ray, SMS,	23.9.2022 and 1	CSISA			
	Annual workshop	workshop	Agronomy	day duration				
2.	Refresher Training	Refresher training on	Dr Plabita Ray, SMS,	27.3.2023 and	DEE, OUAT			
	_	IFS - Sustainable	Agronomy	28.3.2023				
		agriculture and						
		livelihood security						

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

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	Usha Rani Naik
Address	W/o- Kisun Hembram, Village: Guhaldihi , Block: Betnoti, District: Mayurbhanj
Contact details (Phone, mobile, email Id)	8895068125
Landholding (in ha.)	-
Name and description of the farm/ enterprise	Sabai Handicraft
Economic impact	Earning profit of Rs. 35 lakh annually with turnover of around 60 lakhs
Social impact	She has now become a source of inspiration among the tribal community and working as a resource person for the promotion of value added products from Sabai grass. Initially, the business was started by her by taking 15 members
Environmental impact	Promotion for the cultivation of Sabaigrass
Horizontal/ Vertical spread	She formed Guhaldihi Sabai Producers Group having 150 women member.

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

0	5												
Sl. No.	Name/	Title	of	the	Name/	Details	of	the	Brief	details	of	the	Innovative
	technolo	gy			Innovat	or(s)			Techn	ology			

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
01	Rice	Neem leaf	Storage
02	Green gram	Red chilli	Storage

b. Give details of organic farming practiced by the farmer

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

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1	AV-Aids	Practical knowledge.
2	Method demonstration	Skill up gradation

3	Literatures	Knowledge up gradation
4	Pre & Post Training Evaluation	Adoption rate

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

Sl. No	Name of the Equipment	Qty.
1	Flame Photometer	01
2	Soil Moisture Meter	01
3	Automatic Nitrogen Analyzer	01
4	Electronic Precision Balance	02
5	Double beam U.V Spectrophotometer	01
6	Refrigerated Centrifuge	01
7	Physical Balance	01
8	Distilled water unit	01
9	PH meter	01
10	EC meter/Conductivity meter	01
11	Horizontal Rotary Shaker	01
12	Mechanical Stirrer	01
13	Bouycous hydrometer	01
14	Hot air Oven –Digital	01
15	Thermometer	01
16	Geological Hammer	01
17	Seive	01
18	Keen cup	01
19	Magnetic Stirrer with hot plate	01
20	Water Quality Analyser	01
21	Vortex	01

3.11.b. Details of samples analyzed so far

3.11.b. Details of samples an	nalyzed so far	:			
Number of soil samples analyzed			N f	N. f	A
Through mini soil testing kit/labsThrough soil testing laboratory		Total	No. of Farmers	No. of Villages	(in Rs.)
20	155	175	175	5	875

# 3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participan ts	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
01	Celebration of World Soil Day	147	4	<ul> <li>Shri Sunil Akshay Agrawal, Additional District Magistrate Mayurbhanj</li> <li>Mrs. Bharati Hansdah President Zilla Parishad(Mayurbhanj)</li> </ul>	30	72

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

	8	8 3		
No of training programme	No of	No of plant material	Visit by the	Visit by the
	demonstrations	produced	farmers	officials

-	-	-	-	-

#### 3.13. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
SHG Sammelan	1	58	-
Animal health camp	1	33	Animal health camp

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

No of student trained	No of days stayed
-	-
ARS trainees trained	No of days stayed
-	-

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

Date	Name of the person	Purpose of visit
19.09.2022	Bharati Hansdah, President Zilla Parishad,	KVK visit
	Mayurbhanj	
19.09.2022	Biswanath Hembra Member Betnoti Block,	KVK visit
	Zilla Parishad, Mayurbhanj	
19.09.2022	Durgacharan marandi, Member Kuliana Block,	KVK visit
	Zilla Parishad, Mayurbhanj	
19.09.2022	Narendra Hansdah, Member Baripada Block,	KVK visit
	Zilla Parishad, Mayurbhanj	
17.10.2022	Madhusudan Singh, Member Shamakhunta	Participated as Guest on the occasion of
	Block, Zilla Parishad, Mayurbhanj	PM Kissan programme
17.10.2022	Drotrach Sarran (MI A Daving da)	Participated as Guest on the occasion of
	Plakasii Soleli (MLA, Balipada)	PM Kissan programme
05.11.2022	Javanti Dalai DSB vigilanga Balagana	Participated as Guest on the occasion of
	Jayanti Dalai, DSP vignance, Balasore	Vigilance awareness week celebration
05.11.2022	Dilash Danian Swain, Inspector of Visilance	Participated as Guest on the occasion of
	Bikash Kanjan Swain, inspector of vigilance	Vigilance awareness week celebration

### 4. IMPACT

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

Name of specific technology/skill	No. of	% of adoption	Change in income (R	Change in income (Rs.)	
transferred	participants		Before (Rs./Unit)	After (Rs./Unit)	
Package and practices of Papaya and Banana	25	15	150000	269370	
Off season vegetable cultivation	50	18	120000	220000	
Commercial cultivation of tuber crops	25	22	60000	150000	
Hybrid vegetable cultivation	25	15	70000	150000	
Commercial cultivation of flowers	25	20	37000	64000	
Seed production in vegetable crops	25	11	70000	98000	
Hi-tech horticulture and precision farming	10	15	0	50000	
Propagation techniques of mango	25	22	0	70000	
Grading, sorting and packaging of vegetables	25	12	60000	68000	
Planting techniques of tissue cultured Banana	25	18	230000	350000	
Package and practices of cucurbits	25	16	60000	90000	
Plant protection techniques of Groundnut	25	25	36000	55000	

Name of specific technology/skill	No. of	% of adoption	Change in income (Rs.)	
transferred	participants		Before (Rs./Unit)	After (Rs./Unit)
Plant protection techniques of Green gram	25	20	15500	26000
Spraying techniques in paddy	25	21	24000	27500
Bio-pesticides for controlling pests and diseases in vegetable crops	25	17	70000	145000
Cultivation of paddy straw mushroom in entrepreneurial basis	50	20	14200	31150
Cultivation of oyster mushroom in entrepreneurial basis	25	10	3360	7850
Preparation of value added products from tomato	25	11	-	19500
Preparation of value added products from sabai grass	25	16	-	28000
Use and operation of seed drills/planters	25	24	48600	67500
Use and operation of rotavator for seed bed preparation	25	20	12700	14210
Mechanized transplanting and use of transplanter	25	23	14950	20750
Entrepreneurship development through farm mechanization	10	14		
Use, operation and maintenance of drip and sprinkler irrigation system	25	16		
Mushroom production in entrepreneurial basis	30	12	450	800
Vaccination procedure in goats for deworming	25	13	3200	4500
Preparation of value added products from mushroom	25	14	450	1500

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					
-	-					

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	Impact	of th	ne t	technology	in	Impact	of	the	technology	in
		technolog	<u>sy</u>		subjecti	ve tern	ns			objectiv	e ter	ms		
	-	-			-					-				
4.4. D	Details of ir	novations	recorded by t	the K	VK									
Thematic area				-										
Name	of the Inn	ovation			-									
Detai	ls of Innov	ator			-									
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 KVK5. LINKAGES

Functional linkage with different organizations 5.1.

Name of organization	Nature of linkage
Department of Agriculture	Milet Mission Programme
	Monitoring of E-pest Survillance
	Technical backstopping on different Schemes and its Monitoring
	SPPIF (Special Programme for promotion of Integrated Farming)
	IFS
	OPIICRA (Odisha Integrated Irrigation Project for Climate Resilient Agriculture)
	NFSM
	Skill upgrdation Training Programmes
Department of Horticulture	Monitoring and its verification of NHM programme
	Verification quality planting materials
	Monitoring and its verification of OMBADC project.
	Skill upgrdation Training Programmes
Department of ARD	Animal Health Camp of Small and Large animals
Department of Fisheries	Skill upgrdation Training Programmes
	Pond Based IFS programme
Department of Wateshed	Green Agriculture Proejct.
	Jalskhakti Abhiyan
	Farm Pond Plus Programme
	Skill upgrdation Training Programmes
Deparment of Irrigation	Technical Backstopping to Panipanchayat Office bearers and Beneficiaries
Deparment of Co-operative	Awarnesss Programmes on Loan mela and Paddy procurment
ORMAS (Odisha Rural Development and Marketing Society)	Technical Backstopping

NABARD	Promotion of FPOs
CSISA	Promotion of DSR technology in Rice based cropping system
CIMMYT	Diversification Maize away from Kharif Rice.
IRRI	Vareital Evaluation of IRRI released varieties.
Reliance Foundation	Pulse Seed Production Programme
BSSS, NGO	Promotion of Community based Nursery and Vermicomposting
Yuva Bikash Foundation, NGO	Organic Farming
IDEI, NGO,	Soil tesing and Organic Farming
SWCRF, NGO	Promotion of Value added product of Jute & Nutri-rich garden
FPOs	Promotion of Aromatic rice, Value addition of Sabai and Export of Fruits and Vegetables

# 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

scheme agency	. ()
	-

(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)

<b>C1</b>	Nama of domo	Vaar of	A #20	Details	Amoun	Re			
No	Iname of defilo	estt	(Sq mt)	Variety/breed	Produce	Otv	Cost of	Gross	mar
110.	Olint	0311.	(Sq.m)	v anety/breed	Tioduce	Qty.	inputs	income	ks
1.	Vegetable	2005	110	Hybrid	Seedling	236041 no	155500	599299	
	seedling Unit								
2.	Kitchen garden	2005	200	Hybrid	Vegetable	283 kg	4325	2830	
	Unit								
4.	Guava Unit	2016	250	VNR Bihi	Guava	20 kg	300	800	
5.	Medicinal Unit	2019	200	Mix	-				
6.	Mushroom Unit	2010	50	Paddy straw,	Mushroom	415 kg	63180	49840	
				Oyster mushroom					
	Total		810				223305	652769	

#### 6.2. Performance of Instructional Farm (Crops)

Name		Date of	Date of	Area	Details o	of production	ı	Amou	int (Rs.)	Bem
	Of the crop	sowing	harvest	(ha)	Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	arks
	Paddy	02.07.21	15.12.21	14ha	Swarna Sub-1	FS	456.0	1048124	1482000	

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

Sl.	Name of the	Oty (Kg)	Amou	Remarks	
No.	Product	Qty. (Kg)	Cost of inputs	Gross income	ixemai ks
1.	-	-	-	-	-

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

Sl.	Name	Details of	f production		Amount	Remo	
No	of the animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	rks
1.	Poultry birds	Rainbow rooster, Kadaknath, RIR	21days old chicks	5130	242800	384750	

#### 6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
November, 2022	24	2	
March, 2023	20	5	
Total :	44	7	

(For whole of the year)

#### 6.6. Utilization of staff quarters Quarters are not in habitable condition

Whether staff quarters has been completed:

No. of staff quarters:

Date of completion:

Occupancy details:

Months		Q II	Q III	QIV	QV	QVI

#### 7. FINANCIAL PERFORMANCE

#### 7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Senior Scientist & Head, KVK Contingency	State Bank of India	Shamakhunta	11600031037
Senior Scientist & head, KVK, Mayurbhanj-1 Revolving	State Bank of India	Shamakhunta	30490126394
Fund			
Nodal Officer, Pulse Seed Hub	State Bank of India	Shamakhunta	36077653148
CCPI, CBSAE, OMBADC, KVK, Mayurbhanj-1	State Bank of India	Shamakhunta	41290527595
Senior Scientist & Head, CFLD OILSEEDS, KVK,	State Bank of India	Shamakhunta	41579566482
Mayurbhanj			

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

	Released by ICAR		Expe	enditure	
Item	Kharif	Rabi	Kharif	Rabi	Unspent balance as on -
CFLD Oilseeds		120000		120000	0

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

	Released	by ICAR	Exper	Expenditure	
Item	Kharif	Rabi	Kharif	Rabi	as on 1 <sup>st</sup> April
					2013
CFLD Pulse (Summer)		90000		90000	0

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

Sl. No. Particulars		Sanctioned (Rs.)	Released (Rs.)	Expenditure (Rs.)
A. Recur	ring Contingencies			

1	Pay & Allowances	11140000	11140000	9211398
2	Traveling allowances	177000	177000	177000
3	Contingencies	·	·	
A	General Contingency			
В	TSP Contingency	2080000	2080000	2068095
С	HRD			
D	Swachhta Expenditure			
	TOTAL (A)	13397000	13397000	11456493
B. Non-F	Recurring Contingencies			
1	Office equipment	180000	180000	180000
2	Library	10000	10000	10000
	TOTAL (B)	190000	190000	190000
C. REVO	DLVING FUND			
	GRAND TOTAL (A+B+C)	13587000	13587000	11646493

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

Year	Opening balance on 1st April	Income durin the year	Expenditure during the year	Net balance in hand as on 1st April of each ye (Kind + cash)
2018-19	0.5	189.2584	135.8764	
2019-20	0.5	181.9693	153.8344	
2020-21	0.5	150.0873	159.6729	
2021-22	0.5	257.985	137.142	
2022-23	0.5	139.8877	159.7079	

### 7.6. (i) Number of SHGs formed by KVKs-10nos.

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities: **Mushroom grower & Forest Produce** 

(iii) Details of marketing channels created for the SHGs: Marketing linkage has been established in association with OLM, Mayurbhanj

#### 7.7. Joint activity carried out with line departments and ATMA

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

#### 8. Other information

#### 8.1. Prevalent diseases in Crops

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

#### 8.2. Prevalent diseases in Livestock/Fishery

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

#### 9.1. Nehru Yuva Kendra (NYK) Training

Title of the training programme	Period		No. of the		Amount of Fund Received (Rs)
			participant		
	From	То	М	F	
-	-	-	_	-	-

# 9.2. PPV & FR Sensitization training Programme

Date of organizing	Resource Person	No. of participants	Registration (crop wise)		
			Name of crop No. of registra		
-	-	-	-	-	

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

Type of message	No. of messages	No. of farmers covered
Crop	55	51236
Livestock	3	23862
Fishery		
Weather		
Marketing		
Awareness	1	54922
Training information		
Other	1	347
Total	60	79131

# 9.4. KVK Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	1030
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
October 2022 to November 2022	KVK Campus cleaning and sanitation

# 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	42	14500
4. Cleaning and beautification of surrounding areas	-	-
5. Vermicomposting/Composting of biodegradable waste management & other activities on generate of wealth for waste	-	-
6. Used water for agriculture/ horticulture application	-	-
7. Swachhta Awareness at local level	-	-
8. Swachhta Workshops	-	-
9. Swachhta Pledge	-	-
10. Display and Banner	1	500

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	43	15000

#### 9.6. Observation of National Science day

Date of Observation	Activities undertaken
-	-

# 9.7. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants
-	-	-

# 9.8. Agriculture Knowledge in rural school

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

Give good quality 1-2 photograph(s)

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

Dat e of	No. of Union Ministers	No. of Hon'ble MPs	No. of State Govt.			Par	ticipants	(No.)			Cov erag e by	Cov erag e by
pro gra m me	attended the programme	(Loksabha/ Rajyasabha) participated	Ministe rs	MLAs Attende d the progra mme	Chairm an ZilaPan chayat	Distt. Collect or/ DM	Bank Offic ials	Farmers	Govt. Official s, PRI member s etc.	Total	Door Dars han (Yes /No)	other chan nels (Nu mber )
-	-	-	-	-	-	-	-	-	-	-	-	-

9.10. Details of Swachhta Hi Suraksha programme organized

ſ	S1.	Activity	No. of villages	No. of	No. of VIPs	Name (s) of VIP(s)
L	No.		Involved	Participants		
	-	-	-	-	-	-

# 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	Celebration of Mahila Kisan Diwas	1	58	-	-

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

S1.	Name of Farmer	Address of the farmer with	Innovation/ Leading in enterprise		
No.		contact no.			
1	Ratikant Patra	Balimunduli, Shamakhunta, 9777493543	Hybrid paddy seed production in 2.0 ha area		
2	Bijay Kumar Patra	Girishchandrapur, Khunta, 9438500562	Paired row planting of various off-season vegetables in shed houses		
3	Prasannajit Mohapatra	Kenduadiha, Shamakhunta, 9438001895	Novel technology in managing rice pests and diseases by using 07 different Indigenous products/components		
4	Nagendra Maharna	Madhunanda, Betnoti, 9853076922	Mixed farming of various vegetables in the same place		
5	Lipsa Mohanty	Kansapal, Bangiriposi, 9437461661	Poultry farming with in-house feed preparation		
6	Sudhir Kumar Acharya	Belam, Badasahi, 9439883090	Intercropping of Cereal, pulse and vegetables		
7	Nabin Mohanta	Bholagadia,Shyamakhunta, 9439094429	Novel technique to harvest rice in muddy conditions (When rain occurs at the time of harvest)		
8	Kalpana Bindhani	Deulasahi, Baripada, 9861456703	Novel preparation of value added products from vegetables and fruits		
9	Geetarani Mohanty	Ruchi Mushroom, Takatpur, Baripada, 9861317115	Paddy straw mushroom production by using sterilized compost		
10	Rajat Satpathy	Puravi Dairy, ABCpur, Badasahi, 9438232353	Various value added products from milk		

# 9.13. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	CBSAE, OMBADC	11300000	OMBADC, GOVT. OF ODISHA

#### 9.14. Resource Generation:

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

# 9.15. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e.	Present status of functioning
	IMD/ICAR/Others (pl. specify)	
27.05.2021	IMD	Functional

# 9.16. Contingent crop planning

Name	Name of	Themati	Number of	Number of	A brief about
of the	district/K	c area	programmes	Farmers	contingent plan
state	VK		organized	contacted	executed by the KVK
-	-	-	-	-	-

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

#### a) Year:2022

b) Introduction / General Information:

	Title	Objective	Treatment details	Date of	Repli	Result with
				sowing	catio	photographs
					n	
Experime	Evaluate the	To compare the	FV + No Zinc	29.10.2022		Supplementa
nt 1	effect of	individual and	ZV + No Zinc	09.11.2022	5repli	tion of Zn in
	agronomic	combined effect of			cation	any form
	and genetic	Zn enriched variety	FV + ZnSO4	29.10.2022	s each	(either in soil
	biofortificati	and Zn fertilizer	basal + 0.5% Zn			or in foliar
	on	application on	foliar			application)
	approaches	productivity,	ZV + ZnSO4	09.11.2022	1	give good
	in manual	profitability, and	basal + 0.5% Zn			crop
	puddled	grain quality (Zn	foliar			response to
	transplanted	content) of rice under	FV + Nano Zinc	29.10.2022	1	filled grain
	rice.	manual puddled	spray			which
		transplanted rice	ZV + Nano Zinc	09.11.2022	1	response to
		(PTR) in Odisha.	spray			Yield.

# 11. Details of TSP

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

Programmes	<b>Physical</b>
Asset creation (in number: Sprayer, ridge maker, nump set, weeder etc.)	
On-farm trials (in number)	9,0001
Frontline demonstrations ( in number)	11 00005
Farmers training (in lakh)	0.00058
Extension personnel training (in lakh)	0.00008
Participants in extension activities (in lakh)	0.05768
Seed production (in quintals)	456
Planting material production (in lakh)	4.5049
Livestock strains and fingerlings production (in lakh)	1512.029
Soil, water, plant, manures samples testing (in lakh)	0.00245
Provision of mobile agro-advisory to farmers (in lakh)	0.94859
Number of other programmes (e.g. Swachha Bharat Abhiyaan, Agriculture	
knowledge in rural school, planting material distribution, vaccination camp etc.)	51.00026

# b. Fund received under TSP in 2022-23 (Rs. In lakh): 10.0

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

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	22
2	Change in family consumption level	%	18
3	Change in availability of agricultural	No. per	25
	implements/ tools etc.	household	

#### d. Location and Beneficiary Details during 2022-2023

District	Sub-district	No. of Village	Name of village(s)	ST population benefitted (No.)
Mayurbbhanj	Badasahi	10	Arjunbaria,Bathudibandha,Bedkerko,Bhandarikala,	38
			Bhanjpur, Jadunathpur, Patapur, Talapada,	
			Tikayatpur,Sankeraka	

Mayurbbhanj	Bangiriposi	16	Ghatakuaniri, Domuhani, Nischinta,	234
			Shymasundarpur, Chakidi, Brahamanigaon,	
			Sorispal, Dhabanijoda, Gopalpur, Khadiakasole,	
			Ramharipur, Sorispal, Nischinta, Purusottampur,	
			Dhobanijoda, Bangiriposi	
Mayurbbhanj	Baripada	6	Kathpal, Monhinganj ,Buhugdakuta,Karanajia,	32
	1		NewDihipasahi, Ghuntabani	
Mayurbbhanj	Betnoti	6	Kainchkothi, Saria ,Dahikuti, Madhunanada,	56
			Tarakoti, Guhaldhi	
Mayurbbhanj	G.B Nagar	2	Chamapagadi, Ialmunduli	11
Mayurbbhanj	Kaptipada	8	Badakhaladi, Sendhapachha, Itagada, Mundasahi	91
			Kaptipada, Talabani, Ambapichhula, Bhandaripal	
Mayurbbhanj	Khunta	5	Dukura, Dhanghera, Deulidihi, Bharardadihi,	14
			Taragodi	
Mayurbbhanj	Kuliana	8	Bhugupal, Gadargodi,, Bhaliatilou, Ghantabari,	100
			Baghuasole, Kuchei, Rathasole, Palasbani	
Mayurbbhanj	Morada	5	Majhiani, Anua, Khajuria, Chilabasa, Kukudapada	66
Mayurbbhanj	Rasgovindapur	1	Biripal	10
Mayurbbhanj	Saraskana	2	Rautara,Mahanala	20
Mayurbbhanj	Shamakhunta	18	Ambdubi, Balimunduli, Bhalki, Bholagadia,	135
			Dagnarsahi, Dubuksahi, Gundihudi, Jagannathpur	
			Khandia, Kundalbani, Mankadapal, Salabani,	
			Sindurgoura, Jualirama, Jambani, Kundalbani,	
			Rangamatia Chandanpur	
Mayurbbhanj	Suliapada	1	Singimara, Kartnala	13
Mayurbbhanj	Udala	3	Rajabasa, Patpur ,Athanigaon	30

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

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	N	lo of fai be	rmers cov enefitted	vered /	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							îtte	Remarks	
		SC		ST	•	Oth	er	Total			
		Μ	F	Μ	F	M	F	Μ	F	Т	
-	-	-	-	-	-	-		-	-	1	-

#### Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of units	Area (ha)	No of farmers covered / benefitted			ed	Remarks					
				SC M	F	ST M	F	Oth M	er F	Tot M	al F	Т	
-	-	-	-	-	-	-	-	-	-	-	-	-	-

#### Institutional interventions

Name of intervention	No of	Area	No of farmers covered / benefitted					ered /	benet	fitte	d	Remarks	
undertaken	units	(ha)											
			SC		ST		Oth	er	Tot	al			
			Μ	F	Μ	F	M	F	M	F	Т		
-	-	-	-	-	-	-	-	-	-	-	-	-	-

# Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC	ST		01	ther		Tota	1	
		M	F	M	F	M	F	M	F	Т
-	-	-	I	-	I	-	-	-	I	-

Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC	ST		O	ther		Tota	1	
		М	F	M	F	M	F	M	F	Т
-	-	-	-	-	-	-	-	-	-	-

# Detailed report should be provided in the circulated Performa

# 13. Awards/Recognition received by the KVK

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

### Award received by Farmers from the KVK district

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

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

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

		8		Ø F		)		
Sl.	Name of the	Trust Deed	Date of Trust	Proposed	Commodity	No. of	Financia	Success
No.	organization/	No.& date	Registration	Activity	Identified	Member	1	indicator
	Society		Address			s	position	
							Rupees	
							in lakh)	
		-	-	-	-	-	-	-

#### 16. Integrated Farming System (IFS) Details of KVK Demo. Unit

Sl.	Module	Area under	Production	Cost of	Value realized in	No. of farmer	% Change in
No.	details	IFS (ha)	(Commodi	production	Rs.	adopted	adoption during
	(Compone		ty-wise)	in Rs.	(Commodity-	practicing IFS	the year
	nt-wise)			(Componen	wise)		-
				t-wise)			
-	_	-	-	-	-	-	-

#### 17. Technologies for Doubling Farmers' Income

	ě	ě			
Sl. No.	Name of the	Brief Details of	Net Return to the	No. of farmers	One high
	Technology	Technology (3-5	farmer (Rs.) per	adopted the	resolution 'Photo'
		bullet points)	ha per year due to	technology in the	in 'jpg' format for
			adoption of the	district	each technology
			technology		
1	-	-	-	-	-

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

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

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

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

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

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

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

Thematic area of training	Title of the training	Duration (in hrs.)	No. of participants						Fund utilized for the training (Rs.)			
			SC		ST		Oth	er	Tot	al		
			M	F	M	F	Μ	F	Μ	F	Т	

# 21. Information on NARI Project (if applicable)

			· · · · · · · · · · · · · · · · · · ·		1	
Name	No. of OFT on	Title(s) of	No. of FLD on	No. of capacity	Total no. of	Details of Issues
of	specified	OFT	specified	development	farm	related to gender
Nodal	aspects		aspects	programme on	women/ girls	mainstreaming
Officer	-		-	specified aspects	involved in	addressed through
					the project	the project
-	-	-	-	-	-	-

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

#### a) Training achievements

Name of	Period	No. of Training on diversified farming practices for	No. of farmers trained		
KVK		doubling farmers' income organized	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)