

KVK, GANJAM-I, ODISHA
PROFORMA FOR ANNUAL REPORT 2021 (January-December 2021)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Ganjam At : Benakunda P.O: Dihapadhala Via: Tanarada Dist: Ganjam Pin : 761 140 Orissa	06821296222		kvkganjam1.ouat@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Vice-Chancellor, OUAT, Bhubaneswar- 751003 Orissa University of Agriculture & Technology	0674- 2392677		vcouat@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Sutanu Kumar Satapathy		9437619310	satapathysk@rediffmail.com

1.4. Year of sanction of KVK: 1985

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/OBC/Others)
1	Senior Scientist& Head	Dr. Swagatika Sahu	Senior Scientist & Head	Fishery Science	22320-39100+ AGP 8000 22320	17.05.2018	Permanent	Others
2	Subject Matter Specialist	Sri Prasanta Kumar Panda	Scientist	Plant Protection	15600-39100+ AGP 6000 25780	05.01.2007	Permanent	Others
3	Subject Matter Specialist	Sri Bishnupada Giri	Scientist	Horticulture	15600-39100+ AGP 6000 26740	17.09.2006	Permanent	Others
4	Subject Matter Specialist	Dr. Santosh Kumar Samantaray	Scientist	Agricultural Extension	15600-39100+ AGP 6000 23070	06-09-2012	Permanent	Others
5	Subject Matter Specialist	Smt. Anita Patro	Scientist	Home Science	15600-39100+ AGP 6000 23950	18.12.2009	Permanent	Others
6	Subject Matter Specialist	Dr.Sidhharth Ranabijuli	Scientist	Animal Science	15600-39100+ AGP 6000 20590	11.05.2012	Permanent	Others
7	Subject Matter Specialist	Sri Satyabrata Mangaraj	SMS	Agronomy	15600-39100+ AGP 6000 16230	28.06..2018	Permanent	Others
8	Programme Assistant	Ms Shine Sree Dash	Programme Assistant	Forestry	9300-34800+ GP 4200 9300	30.08.2018	Permanent	Others
9	Computer Programmer	Sri Sitikantha Mishra	Programme Assistant	Computer Science	9300-34800+ GP 4200 16280	18.01.2006	Permanent	Others
10	Farm Manager	Vacant	-	-	-	-	-	
11	Accountant / Superintendent	Vacant	-	-	-	-	-	
12	Stenographer	Miss	Steno-cum-	-	5200-20200+GP	22.07.2015	Permanent	SC

		Priyadarshini Ghadei	computer operator		2400 6430			
13.	Driver	Sri Saroj Kumar Biswal	Driver-cum-mechanic	-	5200-20200+ GP 1900 8580	25.07.2007	Permanent	Others
14.	Driver	Sri Gobinda Gouda	Driver-cum-mechanic	-	5200-20200+ GP 1900 7970	21.08.2008	Permanent	Others
15.	Supporting staff	Sri Krushna Chandra Pradhan	Peon-cum-watchman	-	4750 – 14680+GP1700 6780	28.07.2008	Permanent	Others
16.	Supporting staff	Sri Prakash Chandra Gouda	Peon-cum-watchman	-	4750 – 14680+GP1700 7290	20.12.2007	Permanent	Others

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.5
2.	Under Demonstration Units	0.05
3.	Under Crops	10.0
4.	Orchard/Agro-forestry	2.00
5.	Others with details (Farm Road, Pond, wasteland)	6.45
	Total	20.00

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					Completed	352.28	Dilapidated	ATARI
2.	Farmers Hostel					Completed	142.14	Usable condition	RKVY
3.	Staff Quarters (6)					Completed	1200	Dilapidated	
4.	Piggery unit								
5	Fencing					Completed	2601m	Usable condition	RKVY
6	Rain Water harvesting structure								

7	Threshing floor					Completed	445.93	Usable condition	ATARI
8	Farm godown					Completed	36.6	Usable condition	ATARI
9.	Dairy unit								
10.	Poultry unit					Completed	24.52	Usable condition	RKVY
11.	Goatary unit					Completed	6.0	Usable condition	ATARI
12.	Mushroom Lab					Completed	33	Usable condition	RKVY
13.	Mushroom production unit								
14.	Shade house					Completed	180.0	Usable condition	RKVY
15.	Soil test Lab					Completed	23.4	Usable condition	ATARI
16	pond					Completed	613.16	Usable condition	ATARI
17	Vermicompost Unit					Completed	22.0	Usable condition	RKVY

* 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
Tata Sumo	3.4.2003	431000/-	317035	Condemned
Hero Honda	31.3.2007	41899/-	30526	Working
Bolero SLE	14.05.2020	8,00,000/-	27544	Working

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Mrida Parikshyak	2016	85000	Working	ATARI
Mrida Parikshyak	2017	85000	Working	ATARI
b. Farm machinery				
Power tiller	1995		Not working	ATARI
Rice transplanter	2007-08		Not working	ATARI
c. AV Aids				
Xerox machine	2017-18	49000	Working	ATARI
Fax machine				
Colour printer	2017-18	6500	Working	ATARI
Digital camera	2015-16	21000	Working	ATARI
LCD projector	2016-17	40000	Working	ATARI
PAS system	2016-17	10000	Working	ATARI

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Weighing machine	2016-17	12000	Good condition	ATARI
Storage bin	2011-12		Good condition	ATARI

Diesel pump set	2016-17	40000	Good condition	ATARI
Paddy power weeder	2011-12		Good condition	ATARI
Thresher cum winnower-power operated (2nos)	2016	40000	Running	ATARI
Brush cutter	2016	16000	Running	ATARI
Thresher cum winnower-power operated (2nos)	2016	40000	Running	ATARI
Brush cutter	2016	16000	Running	ATARI

1.8. Details SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	19.01.2021	25	Popularization of mechanical harvesting of non-paddy crop like Ragi/Millet.	FLD on OUAT Ragi thresher has been conducted	
			Technology demonstration for utilization of spent mushroom straw for making compost.	FLD on spent mushroom straw for vermicomposting has been conducted	
			To decrease labour cost, integrated weed management in Cereals may be popularized.	OFT on weed management in DSR has been conducted.	
			Technology for wilt disease management in Solanaceous vegetable should be popularized.	FLD on wilt complex management in Brinjal has been conducted.	
			Popularization of nutrient rich vegetable cultivation for combating mal-nutrition.	FLD on Bio-fortified vegetable – sweet potato has been conducted.	
			To reduce labour cost integrated weed management practices for vegetable crops may be popularized.	FLD on weed management in Okra has been conducted.	
			Feed management in cattle for increasing milk production & milk fat	OFT on different fat sources to increase milk yield conducted	

			percentage.		
			Popularization of Honey bee rearing.	FLD on rearing of Honey bee (<i>Apis cerana indica</i>) has been conducted.	
			Emphasis should be given on value addition of mushroom & minor millets.	OFT on value addition of Ragi (SEV & MURKU) & FLD on value addition of oyster mushroom (pickle preparation) have been conducted.	

* Salient recommendation of SAC in bullet form

Attach a copy of SAC proceedings along with list of participants

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

Sl. no.	Item	Information
1	Major Farming system/enterprise	Rice-Greengram, Rice-Blackgram, Rice-Vegetable, Vegetable-Vegetable, Rice-Fallow
2	Agro-climatic Zone	East and South Eastern Coastal Plain Zone, North Eastern Ghat Zone
3	Agro ecological situation	Rainfed Red and Laterite, Black, medium rainfall and irrigated, Alluvial, low rainfall and irrigated
4	Soil type	Alluvial, Red, Laterite
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Given below in table
6	Mean yearly temperature, rainfall, humidity of the district	Rainfall-1276 mm
7	Production of major livestock products like milk, egg, meat etc.	

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	Gangapur	Sorada	Padampur	Rice, Maize, Greengram, Blackgram, Sesamum, Ground nut, Vegetable	• Severe weed incidence in paddy • Blast disease in paddy • Use of traditional varieties of green gram • Improper nutrient management green gram	➤ Varietal substitution ➤ weed management ➤ Pest & diseases management ➤ Integrated nutrient management ➤ Targeting rice fallow
2	Chadheipalli	Aska	Phulasarapalli	Rice, Sugarcane, Blackgram, Greengram, Groundnut, Sesamum, Mushroom	• Severe weed incidence in paddy • Low yield in mustard • Use of traditional varieties of green gram • Improper nutrient management green gram	➤ weed management ➤ Pest & diseases management ➤ Integrated nutrient management ➤ Targeting rice fallow ➤ Varietal substitution
3	Jagannathprasad	Jagannathprasad	Ekagharia	Rice, Pigeonpea, Greengram, Sesamum, Sugarcane, Groundnut, Vegetable	• Severe weed incidence in paddy • Low yield in arhar • Use of traditional varieties of green gram • Improper nutrient management green gram	➤ weed management ➤ Pest & diseases management ➤ Integrated nutrient management ➤ Targeting rice fallow ➤ Varietal substitution
4	Golapada	Bhanjanagar	Golapada	Rice, Greengram, Vegetable, Groundnut	• Severe weed incidence in paddy • Use of traditional varieties of green gram • Wilting problem in vegetable	➤ weed management in rice ➤ Pest & diseases management ➤ Integrated nutrient management ➤ Targeting rice fallow ➤ Varietal substitution

5	Ambapua	Belaguntha	Patharapalli	Rice, Greengram, Blackgram, Sesamum, Vegetable	• Use of traditional verities of green gram • YMV infection in green gram • Severe weed incidence in paddy • Wilting problem in vegetable •	➤ weed management in rice ➤ Pest & diseases management ➤ Integrated nutrient management ➤ Targeting rice fallow ➤ Varietal substitution
---	---------	------------	--------------	--	---	---

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

Village Name	Block Name	GP	Distance from KVK (Km)
Dihapadhala	Bhanjanagar	Padhala	5
Patulisahi	Belaguntha	Belaguntha	10
Raipalli	Bhanjanagar	Baruda	12
Gajapadara	Bhanjanagar	Kulada	10
Sadara	Bhanjanagar	Golapada	11
Malasapadara	Bhanjanagar	Jilundi	9
Jilundi	Bhanjanagar	Jilundi	9
Khandikoti	Bhanjanagar	Mujagada	32
Ambapua	Belaguntha	Ambapua	18
Chadheipalli	Belaguntha	Ambapua	14
Jhdabhumi	Jagannathprasad	Jhdabhumi	23
Dihudibhanja	Jagannathprasad	Jagannathprasad	29
Rauti	Jagannathprasad	Rauti	36
Takarada	Seragada	Takarada	56
Mangalapur	Aska	mangala	43
Udhura	Belaguntha	Udhura	13
Takarada	Buguda	Takarada	52

2. c. Details of village adoption programme:

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

Name of village	Block	Action taken for development
Golapada	Bhanjanagar	OFT, FLD, Training, field day, diagnostic field visit
Patharapalli	Bellaguntha	OFT ,FLD, Training, field day, diagnostic field visit
Padmapur	Surada	OFT ,FLD, Training, field day, diagnostic field visit
Phulasarapalli	Aska	OFT ,FLD, Training, field day, diagnostic field visit
Ekagharia	Jagannath Prasad	OFT ,FLD, Training, field day, diagnostic field visit

2.1 Priority thrust areas

S. No	Thrust area
1.	Crop diversification
2.	INM in Fruits & Vegetable
3.	Honey bee rearing
4.	HYV &wilt tolerant varieties
5.	Integrated fish farming
6.	Processing and value addition
7.	Nutritional security
8.	Vaccination ,feed management in Cattle & Goat
9.	Low cost production technique
10.	Backyard poultry
11.	Mushroom cultivation
12.	Kid mortality & disease management
13.	Pest Disease & weed management

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD											
No. of technologies tested:												No. of technologies demonstrated:											
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers									
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement								
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
12	12	87	1	7	-	-	55	13	6	2	8	29	26	290	27	1	-	-	1	38	2	4	2
			2						7	0	7					1			8		1	9	6
																4			4		1		0

Training												Extension activities											
Number of Courses		Number of Participants										Number of activities		Number of participants									
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement								
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
104	90	2380	4	12	-	-	121	320	1	4	2	1180	1149	7500	1	85	-	-	54	12	5	1	6
			1	8			0		6	4	0				9			91	13	7	2	9	
			2						2	8	7				0					8	9	8	
									2		0									1	8	9	

Impact of capacity building												Impact of Extension activities											
Number of Participants trained												Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)											
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)										Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									
Target	Achievement	SC		ST		Others		Total				Target	Achievement	SC		ST		Others		Total			
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	M	F	T
225	165	8	4	-	-	22	6	3	1	4	7500	6989	4	1	-	-	8	4	12	5	17		

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
165	160.8	1.2	1.81407

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
1180 (Poultry bird)	1160 (Poultry bird)	0.00350	0.00347

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	2						
Seminar/conference/ symposia papers	4						
Books							
Bulletins							
News letter	3						
Popular Articles							
Book Chapter	2						
Extension Pamphlets/ literature							
Technical reports	28						
Electronic Publication (CD/DVD etc)	1						
TOTAL	40						

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On Farm Trial	Assessment of pre- and post- emergence herbicides in direct seeded rice
2.	Problem diagnosed	Low yield due to severe weed infestation, labour scarcity and high cost in manual weeding
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP : Manual weeding TO1:pyrazosulfuron (0-3 days)+ Bispyribac Na @ 25 DAS TO2: Bispyribac Na @ 7 DAS + Ethoxysulfuron @ 21 DAS
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on weed Management (2012 and 2015)
5.	Production system and thematic area	Rainfed upland and assessment of herbicide
6.	Performance of the Technology with performance indicators	Bispyribac Na @ 7 DAS + Ethoxysulfuron @ 21 DAS controls weed better
7.	Final recommendation for micro level situation	Bispyribac Na @ 7 DAS + Ethoxysulfuron @ 21 DAS FOR DSR
8.	Constraints identified and feedback for research	Ethoxysulfuron controls all BLWs
9.	Process of farmers participation and their reaction	

Thematic area:

Problem definition: Low yield due to severe weed infestation, labour scarcity and high cost in manual weeding

Technology assessed: FP : Manual weeding

TO1:pyrazosulfuron (0-3 days)+ Bispyribac Na @ 25 DAS

TO2: Bispyribac Na @ 7 DAS + Ethoxysulfuron @ 21 DAS

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		WCE %	WI %	No of effective tillers/hill					
FP : Manual weeding	7	--	--	14.5	27.1	42300	50485	8185	1.19
TO1:pyrazosulfuron (0-3 days)+ Bispyribac Na @ 25 DAS	7	76.7	17.7	16.5	30.6	35600	55770	20170	1.56
TO2: Bispyribac Na @ 7 DAS + Ethoxysulfuron @ 21 DAS	7	84.5	10.8	19.4	32.6	35800	59640	23840	1.66

OFT-2

1.	Title of On Farm Trial	Assessment of nutrient management in greengram
2.	Problem diagnosed	Irrational fertilizer application in greengram
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Application of blanket dose of fertilizer as basal, no foliar application TO-1: Application of 75% STBFR+ Foliar application of WSF 18-18-18 @2% at pre flowering and pod filling TO2-Application of 75% STBFR+ Foliar application of DAP @2% at pre flowering and pod filling
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO1-AICRP on MullaRP, 2014 TO2- AICRP on MullaRP, 2015
5.	Production system and thematic area	Rice-greengram & nutrient management

6.	Performance of the Technology with performance indicators	Continuing
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: nutrient management

Problem definition: Irrational fertilizer application in greengram

Technology assessed:

FP: Application of blanket dose of fertilizer as basal, no foliar application

TO-1: Application of 75% STBFR+ Foliar application of WSF 18-18-18 @2% at pre folwering and pod filling

TO2-Application of 75% STBFR+ Foliar application of DAP @2% at pre folwering and pod filling

Table:

[illegible]

OFT-3

1.	Title of On Farm Trial	Assessment of IPM practice against fall army worm in maize
2.	Problem diagnosed	Leaves & cobs damaged, Low yield
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	To-1-Application of Neem pesticide(1500ppm) @ 1.5 lt./ha. at 20 DAS, Release of Trichogamma @ 50000eggs/ha. 3-4 times at 10 days interval, need based application of Chlorpyriphos + cypermethrin @ 1lt./ha., Spraying of Beauvaria bassiana @ 1kg/ha at cob stage. Dusting of Chlorpyriphos dust in the field bund, erection of bird perches @ 25/ha. To2- Seed treatment with cynatraniliprole+Thiamethoxam@4ml/kg of seed , application of Neem pesticide(1500ppm) @ 1.5 lt./ha at 20 DAS, Release of Trichogamme @ 50000eggs/ha. 3-4 times at 10 days interval,Need based application of Emamectin benzoate@ 200ml/ha.,Spraying of Bt@ 1kg/ha at tassel stage. Dusting of Chlorpyriphos dust in the field bund, erection of bird perches @ 25/ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	SLREC,OUAT, 2017 & Technical bulletin-IPM in Maize, 2019-National Institute of Biotic stress management(ICAR)
5.	Production system and thematic area	Maize – vegetable/Irrigated Up land/IPM
6.	Performance of the Technology with performance indicators	No.of larvae/25M2, infested plant/25 m2,no. of cobs infested /25m2
7.	Final recommendation for micro level situation	Application of Neem pesticide(1500ppm) @ 1.5 lt./ha. at 20 DAS, Release of Trichogamma @ 50000eggs/ha. 3 times at 10 days interval, need based application of Chlorpyriphos + cypermethrin @ 1lt./ha., Spraying of Beauvaria bassiana @ 1kg/ha at cob stage. &dusting of Chlorpyriphos dust in the field bund, erection of bird perches @ 25/ha. is very effective in management of Fall army worm in Maize
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Field visit, Interaction, Group discussion, problem identified & prioritization

Thematic area: Integrated Pest Management

Problem definition: Leaves & cobs damaged, Low yield

Technology assessed: To-1-Application of Neem pesticide(1500ppm) @ 1.5 lt./ha. at 20 DAS, Release of Trichogamma @ 50000eggs/ha. 3 times at 10 days interval, need based application of Chlorpyrifos + cypermethrin @ 1lt./ha., Spraying of Beauveria bassiana @ 2kg/ha at cob stage. Dusting of Chlorpyrifos dust in the field bund, erection of bird perches @ 25/ha.

To2- Seed treatment with cynatraniliprole+Thiamethoxam@4ml/kg of seed , application of Neem pesticide(1500ppm) @ 1.5 lt./ha at 20 DAS, Release of Trichogamme @ 50000eggs/ha. 3-4 times at 10 days interval,Need based application of Emamectin benzoate@ 200ml/ha.,Spraying of Bt@ 1kg/ha at tassel stage. Dusting of Chlorpyrifos dust in the field bund, erection of bird perches @ 25/ha

FP- Spraying of Triazophos@1lt./ha

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No.of larvae/25M ²	infested plant/25 m ² ,	no. of cobs infested /25m ²						
FP	7	4.6	15.4	7.2		35.8	34000	66230	32230	1.95
TO ₁	7	0.9	6.3	3.1		44.1	36000	81585	45585	2.27
TO ₂	7	1.3	8.6	4.8		41.6	37000	76960	39960	2.08

OFT-4

1.	Title of On Farm Trial	Assessment of IDM practices against false smut disease in Rice
2.	Problem diagnosed	Discoloration of grain & low yield

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	To-1- Seed treatment with Carbandazim@2g/kg seed and spray - Copper hydroxide at Boot stage& after 10 days interval@ 1kg/ha. To2- Seed treatment Carbandazim@2g/kg seed and spray- Azoxystrobin + Tebuconazole @750ml/ha. at Boot stage& after 10 days interval
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NCIPM Annual Report, 2019 & NRII Annual Report, 2018-19
5.	Production system and thematic area	Rice-Greengram /Rain fed medium land/IDM
6.	Performance of the Technology with performance indicators	Affected panicle (%), Affected grains/Panicle(%)
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Field visit, Interaction, Group discussion, problem identified & prioritization

Thematic area: Integrated Disease Management

Problem definition: Discoloration of grain & low yield

Technology assessed: To-1- Seed treatment with Carbendazim@2g/kg seed and spray - Copper hydroxide at Boot stage& after 10 days interval@ 1kg/ha

To2- Seed treatment Carbandazim@2g/kg seed and spray- Azoxystrobin + Tebuconazole @750ml/ha. at Boot stage& after 10 days interval

FP- Spraying of carbandazim @ 1kg/ha

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest	Yield	Cost of	Gross return (Rs/ha)	Net return	BC ratio
		Affected	Affected							

		panicle (%)	grains/Panicle (%)		incidence (%)	(q/ha)	cultivation (Rs./ha)		(Rs./ha)	
FP	7	8.4	1.8			38.2	33000	64940	31940	1.97
TO ₁	7	4.6	0.6			41.6	34000	70720	36720	2.08
TO ₂	7	2.8	0.3			44.8	35000	76160	41160	2.18

OFT-5

1.	Title of On Farm Trial	Assessment of foliar application of growth regulator in chili
2.	Problem diagnosed	Low yield due to heavy flower drop & poor fruit set.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: No application of growth regulator Technology option-I (TO-I): Spray of NAA @ 10 ppm at 60 and 90 days after planting Technology option-II (TO-II): Spray Triacantanol @ 1.25ml/liter at 40, 60 and 80 th days of planting.
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	TNAU, 2015
5.	Production system and thematic area	Vegetable -vegetable Integrated Crop management
6.	Performance of the Technology with performance indicators	No. of fruits /plant, Yield of Fruits/plant
7.	Final recommendation for micro level situation	Recommended
8.	Constraints identified and feedback for research	NA
9.	Process of farmers participation and their reaction	Field visit, Interaction, record keeping

Thematic area: Integrated Crop management

Problem definition: Heavy flower drop & poor fruit set leads to low yield.

Technology assessed: Foliar application of growth regulator in chili

Table:

Technology	No. of	Yield component	Yield	Cost of	Gross return	Net return	BC
------------	--------	-----------------	-------	---------	--------------	------------	----

option	trials	No. of fruits/plant	Yield of Fruits/plant	(q/ha)	cultivation (Rs./ha)	(Rs/ha)	(Rs./ha)	ratio
FP	7	61.5	128.3	86.71	154000	260130	106130	1.6
TO-I	7	74.1	159.8	99.57	154500	298710	144210	1.9
TO-II	7	88.7	176.4	109.85	156000	329550	173550	2.2

OFT-6

1.	Title of On Farm Trial	Assessment of cowpea varieties for tolerance to mosaic virus
2.	Problem diagnosed	Low yield and incidence of cowpea mosaic virus
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Cultivation of local variety (Sautuni) Technology option-I (TO-I): Arka Mangala Technology option-II (TO-II): Swarna Harit
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	IIHR, Bangalore, 2019 and ICAR-RCER 2008
5.	Production system and thematic area	Rice - vegetable varietal evaluation
6.	Performance of the Technology with performance indicators	No. of pods/plant, YMV incidence
7.	Final recommendation for micro level situation	Continuing
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Field visit, Interaction, record keeping

Thematic area: varietal evaluation

Problem definition: Low yield and incidence of cowpea mosaic virus

Technology assessed: Evaluation of cowpea varieties for tolerance to mosaic virus

Table: **continuing**

Technology option	No. of trials	Yield component		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of fruits/plant	Yield of Fruits/plant					
FP	7							
TO-I	7							
TO-II	7							

OFT-7

1.	Title of On Farm Trial	Assessment of different fat sources (oil cake and bypass fat) to increase milk yield and milk fat % in case of dairy cows
2.	Problem diagnosed	Low milk quality, fat %, SNF%, milk production, decrease body condition postpartum
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): no supplement feeding + natural edible oil feeding TO1: Feeding of 1.5 kg of oil cake/10 litre milk production with 60 gm Mineral mixture/day/cow during first 3 months of lactation to compensate for negative energy balance and high mineral drain via milk. TO2: Bypass fat feeding @ 15-20gm/kg of milk production + 60 gm Mineral mixture/day/cow during first 3 months of lactation to compensate for negative energy balance and high mineral drain via milk.
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	SVVU, Tirupati, 2015-16, NDDB, 2013-14
5.	Production system and thematic area	semi intensive
6.	Performance of the Technology with performance indicators	Milk fat (%), SNF (%), milk yield (%), body condition
7.	Final recommendation for micro level situation	Bypass FAT potentially effective than Oilcake for higher FAT % & lowering metabolic diseases
8.	Constraints identified and feedback for research	Cost & availability
9.	Process of farmers participation and their reaction	Field visit, Interaction, record keeping

Thematic area: LPM, Dairy management

Problem definition: Low milk quality, fat %, SNF%, milk production, decrease body condition postpartum

Technology assessed: TO1 - Feeding of 1.5 kg of oil cake/10 litre milk production with 60 gm Mineral mixture/day/cow during first 3 months of lactation to compensate for negative energy balance and high mineral drain via milk

TO2: Bypass fat feeding @ 15-20gm/kg of milk production + 60 gm Mineral mixture/day/cow during first 3 months of lactation to compensate for negative energy balance and high mineral drain via milk.

Table: Continuing

Technology option	No. of trials	Yield component				Cost of cultivation (Rs./day)	Gross return (Rs./day)	Net return (Rs./ha)	BC ratio
		Milk yield (liter/day)	Fat (%)	SNF (%)	Body condition (kg) (Lowering body wt.)				
FP	10	5	3	7	28	87	100	13	1.14
TO ₁	10	7.2	4.1	7.4	12	126	216	90	1.71
TO ₂	10	7.6	4.9	7.9	8	146	304	158	2.08

Results:

Please provide all the OFTs in same format

OFT-8

1.	Title of On farm Trial	Assessment of yield performance of different varieties of oyster mushroom
2.	Problem diagnosed	Low yield of oyster mushroom due to low temperature
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology option-I (TO-I): Cultivation of oyster mushroom <i>var. Pluerotusostreatus</i> Technology option-II (TO-II): Cultivation of oyster mushroom <i>var. Hypsizygusulmarious</i>
	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Source :CTMRT,OUAT, Bhubaneswar,2012

5.	Production system and thematic area	Small scale income generation, Homestead
6.	Performance of the Technology with performance indicators	Pinehead appearance(days), Production(kg/bed), % of infected bed, Biological efficiency(%), % change in production
7.	Final recommendation for micro level situation	Cultivation of oyster mushroom var. <i>Hypsizygusulmarious</i> has high productivity
8.	Constraints identified and feedback for research	Cold resistant may be developed
9.	Process of farmers participation and their reaction	Diagnostic field visit, Method demonstration training

Thematic area: Mushroom cultivation

Problem definition: Low yield of oyster mushroom due to low temperature

Technology assessed: **Technology option-I (TO-I):** Cultivation of oyster mushroom var. *Pluerotusostreatus*

Technology option-II (TO-II): Cultivation of oyster mushroom var. *Hypsizygusulmarious*

Table:

Technology option	No. of trials	Yield component			Biological efficiency (%)	Yield (Kg/bed) 108	Cost of cultivation (Rs./bed)	Gross Return	Net return (Rs./bed)	BC ratio
		Days of emergence of pin head	Days of first harvest	No. of fruit bodies						
FP	07	18	26	35	75	1.5	32	90	58	2.8
TO ₁	07	18	25	39	85	1.7	32	102	70	3.1
TO ₂	07	20	24	42	110	2.2	32	132	100	4.1

OFT - 9

1.	Title of On Farm Trial	Assessment of humidity management in paddy straw mushroom cultivation
2.	Problem diagnosed	Low yield of paddy straw mushroom due to low humidity and environmental rise in temperature.

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology option-I (TO-I):Cultivation of paddy straw mushroom with bundle paddy straw substrate (3 layers) with covering the floor with 2inch sand in moist condition and spreading wet gunny bag in wall and windows. Technology option-II (TO-II):Cultivation of paddy straw mushroom with bundle paddy straw substrate (3 layers) and covering the floor with 2inch sand in moist condition with installation of fogger system
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on Mushroom ,CTMRT, OUAT,2014
5.	Production system and thematic area	Mushroom cultivation ,Homestead condition
6.	Performance of the Technology with performance indicators	Pin head appearance(days), Days of first flush, average fruit body wt(gm), Biological efficiency(%), yield
7.	Final recommendation for micro level situation	Cultivation of paddy straw mushroom with bundle paddy straw substrate (3 layers) and covering the floor with 2inch sand in moist condition with installation of fogger system
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Diagnostic field visit, Method demonstration training

Thematic area:

Problem definition: Low yield of paddy straw mushroom due to low humidity and environmental rise in temperature

Technology assessed: **Technology option-I (TO-I):**Cultivation of paddy straw mushroom with bundle paddy straw substrate (3 layers) with covering the floor with 2inch sand in moist condition and spreading wet gunny bag in wall and windows.

Technology option-II (TO-II): Cultivation of paddy straw mushroom with bundle paddy straw substrate (3 layers) and covering the floor with 2inch sand in moist condition with installation of fogger system

Table:

Technology option	No. of trials	Yield component			Biological efficiency (%)	Yield (Kg/bed)	Cost of cultivation (Rs./bed)	Gross return (Rs/bed)	Net return (Rs./bed)	BC ratio
		Days of emergence of pin head	Days of first harvest	No. of fruit bodies						
FP	07	8	13	24	7	0.7	75	126	51	1.6
TO ₁	07	8	12	29	9.8	0.98	80	176	96	2.2
TO ₂	07	9	13	32	11	1.1	82	198	116	2.4

OFT-10

1.	Title of On farm Trial	Assessment of different planting time for better market price of Tomato
2.	Problem diagnosed	Distress sale of Tomato in rabi season
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: Planting of seedling 30 days before onset of normal planting period TO2: Planting of seedling 30 days after completion of normal planting period
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	IIHR
5.	Production system and thematic area	Integrated Crop Management
6.	Performance of the Technology with performance indicators	Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	Advancing the planting time will lead to better market rice
8.	Constraints identified and feedback for research	i. Suitable varieties may be developed for kharif season (July-August) to fetch better market price
9.	Process of farmers participation and their reaction	Farmers voluntarily and whole heartedly participated since selection to completion of the trial. Farmers stress.

Thematic area: Marketing

Problem definition: Farmers generally plant the seedling in the month of October

Technology assessed: **TO1:** Planting of seedling 30 days before onset of normal planting period
TO2: Planting of seedling 30 days after completion of normal planting period

Thematic area: Marketing

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Plant height	No. of fruits/plant	Fruit wt.					
FP	7	68.2	37.1	62	262	128000	262000	134000	2.04
TO1	7	61.4	32.3	53	194	128000	388000	260000	3.03
TO2	7	54.1	34.8	57	278	128000	222400	94400	1.73

OFT-11

1.	Title of On farm Trial	Assessment of Amur carp for increasing fish production in polyculture system
2.	Problem diagnosed	Slow growth rate & stocking rate of Mrigal (ab 30%) greatly hampers the average yield from unit area of culture.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: Stocking ratio Catla: Rohu : Mrigal :Amur carp :: 30:40:15:15 TO2: Stocking ratio Catla: Rohu :Amur carp :: 30:40:30
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar-2013
5.	Production system and thematic area	Composite fish culture, Varietal evaluation
6.	Performance of the Technology with performance indicators	Growth Parameter:Avg. Body Wt. & Length, Survivability%, SGR (%); Water quality Parameter:Plankton, pH, DO ₂ , Alkalinity, Hardness
7.	Final recommendation for micro level situation	Higher growth rate of amur carp is suitable to partial replace of mrigal in composite fish culture. Though full replacement may done with mrigal FCR is

		high.
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Amur carp is suitable in composite fish culture for partial replace of mrigal. Taste similar to rohu, mrigal and fetch high market price.

Thematic area: Varietal evaluation

Problem definition: Stocking ratio Catla: Rohu :mrigal :: 30:40:30

Technology assessed: TO1: Stocking ratio Catla: Rohu : Mrigal :Amur carp :: 30:40:15:15

TO2: Stocking ratio Catla: Rohu :Amur carp :: 30:40:30

Table: Results

Technology option	No. of trials	Yield component			Survivability	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Avg body wt (kg)	Avg length (cm)	FCR						
FP	5	C-1.3, R-0.8, M-0.62	-	1.45	80	42.0	257000	504000	247000	1.96
TO1	5	C-1.25, R-0.92, M-0.78, A-1.0	-	1.3	84	46.0	263000	552000	289000	2.10
TO2	5	C-1.3, R-0.94, A-1.2	-	1.35	90	52.0	294000	624000	330000	2.12

OFT-12

1.	Title of On farm Trial	Assessment of soil and water probiotics as remedial measures for problematic waters
----	------------------------	---

2.	Problem diagnosed	No soil and water test based manuring, fertilizer and aquafers application
3.	Details of technologies selected for assessment/refinement	Farmers Practice (FP): Application of Organic manure. Technology option-I (TO-I): Application of Water probiotic @ 1kg/Ac at fortnight interval. Technology option-II (TO-II): Application of Soil Probiotic @ 1lt/Ac at Fortnight interval. Technology option-III (TO-III): Alternative application of both soil and water probiotic at fortnight interval
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	COF(OUAT), 2015
5.	Production system and thematic area	Polyculture system, Thematic area: Production and Management
6.	Performance of the Technology with performance indicators	Growth Parameter, Survivability%); Water quality Parameter:Plankton, pH, DO2, Alkalinity, Ammonia
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	

Thematic area: Production and Management

Problem definition: Application of Lime 100kg/ha per year

Technology assessed: **Technology option-I (TO-I):** Application of Water probiotic @ 1kg/Ac at fortnight interval.

Technology option-II (TO-II): Application of Soil Probiotic @ 1lt/Ac at Fortnight interval.

Technology option-III (TO-III): Alternative application of both soil and water probiotic at fortnight interval

Table:

Technology option	No. of trials	Yield component			Survivability (%)	Yield	Cost of	Gross return (Rs/ha)	Net return	BC ratio
		Yield	pH	Plankton						

		(q/ha)		concentra tion		(q/ha)	cultivation (Rs./ha)		(Rs./ha)	
FP	5	28.4	7.2	1.7	68.4	28.4	155500	312400	171900	2.01
TO1	5	36.3	7.6	2.2	72.6	36.3	172000	399300	233800	2.32
TO2	5	37.4	7.8	2.2	76.0	37.4	174000	411400	237400	2.36
TO3	5	39.6	8.0	2.6	83.2	39.6	180000	435600	245600	2.42

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration										Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total				
						M	F	M	F	M	F	M	F	T		
1.	Ragi	Varietal evaluation	Cultivation of HYV “ Arjuna”	4	4	1	1	2	0	12	4	15	5	20		
2.	Rice	Weed management	Fenoxaprop-p-ethyl+ethoxysulfuron at 15 DAT	2	2	2	1	1	1	12	3	15	5	20		
3.	Rice	Nutrient management	Use of LCC at regular interval from 21 DAT (50% N as basal+ rest N at a regular interval based on LCC reading)	2	2	1	1	2	1	13	2	16	4	20		
4.	Maize	Weed management	Post emergence application of Tembotrione 100 gm/ha at 20 DAS	2	2	2	0	2	0	12	4	16	4	20		
	Oilseed															
5	Sesame	Integrated Pest Management	Management of Capsule borer in Sesame- Alternate spraying of Neem	02	02	3	7	10	10							

			(1500PPM) @ 1.5 lt./ha.& Spinosad @ 165 ml/ha at pod initiation & pod development stage .													
	Other Crops															
6.	Okra	weed management	Pre-emergence application of Pendimethalin (2lt/ha) + Post-emergence application of Quizalofop ethyle @ 1 lit./ha	1.0	1.0	0	1 0	1 0								
7.	Brinjal	varietal evaluation	Brinjal HYV Swarna Shyamali, whitish green round fruit, tolerant to bacterial wilt	1.0	1.0	0	1 0	1 0								
8.	Tomato	varietal evaluation	Arka Rakshak- F1 hybrid with triple resistant to ToLCV, BW & Early blight, Yield- 100 t/ha in 140-150 days	1.0	1.0	0	1 0	1 0								
9.	Bitter gourd	INM	STBF +vermicompost (2.5 ton/ha)+Azotobator:Azospirillum:PSB@1:1:1 @ 4 kg/ha applied 3 time (basal, 30 days & 45 days)	1.0	1.0	0	1 0	1 0								
10.	Yam	Integrated Disease management	Management of Vine rot(Anthrac nose) in Yam- Tuber treatment with Carbandazim @	02	02	0 3	0 7	1 0 1								

			2gram/lt, band placement of Trichoderma 2.5 kg + 30 kg vermicompost/ha. On appearance of disease soil drenching with Carbandazim @ 1kg/ha					0								
11.	Brinjal	Integrated Disease management	Management of Wilt complex in Brinjal- Seed treatment with Metalaxyl+Mancozeb 72% WP @ 2gm/kg +soil application of Carbofuran @ 1kg a.i. /ha+ soil drenching of Carbendazim 0.15%+ Streptocycline 0.015% at 30 and 45 days after transplanting	02	02	04	06	10 10								
12.	Mango	Integrated Pest management	Management of Fruit fly in Mango- Destruction of fallen fruits, installation of Methyl eugenol trap@10/ha.,Poison batting with 1lt. Gur +10 lt. of water+ 20 ml deltamethrin for 01 ha. area	02	02	03	07	10 10								

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P ₂ O ₅	K ₂ O					
Ragi	Kharif	Ragi - pulses	Sandy loam	225.5	15.2	186.3	Greengram	June	Sep - oct		
Rice	Kharif	Rice -pulses	Sandy loam	185.6	18.6	321.5	Greengram	July	November		
Rice	Kharif	Rice -pulses	Sandy loam	189.6	14.2	225.6	Greengram	July-aug	November - december		
Maize	Rabi	Rice -maize	Sandy loam	245.6	19.6	210.5	Rice	December	March		
Sesame	Rabi	Irrigated medium land	Sandy clay loam	214.5	13.5	138.6	Greengram	02.03.21-07.03.21	08.06.21-13.06.21		
Okra	Kharif , 2021	Irrigated upland	sandy loam	196.4	9.3	124.7	Bitter gourd				
Brinjal	Kharif 2021	Irrigated upland	sandy loam	204.7	11.3	114.6	Cowpea				
Tomato	Rabi-2021	Irrigated upland	sandy loam	191.7	8.3	134.8	Rice				
Bitter gourd	Rabi-2021	INM	sandy loam	219.2	10.4	113.6	Rice				
Brinjal	Rabi	Irrigated medium land	Sandy loam	206.3	14.5	142.4	Rice	05.12.2021-10.12.2021			
Yam	Kharif	Rain fed upland	Sandy loam	193.2	12.4	132.6	Fallow	22.06.2021-	25.11.2021-		

								26.06.2021	30.11.2021		
Mango	Rabi	Rain fed up land	Clay loam	176.4	18.6	164.5	Year round				

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

[illegible]

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

**** BCR= GROSS RETURN/GROSS COST**

Pulses

Frontline demonstration on pulse crops

[illegible]

* 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

Cereals

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Ragi	Varietal evaluation	Cultivation of HYV “Arjuna”	20	4	10.2	19.2	88.2	No of Fingers/panicle 10.8	No of Fingers/panicle 5.2	27000	52500	30500	1.94	24000	37321	13321	1.55
Rice	Weed management	Fenoxaprop-p-ethyl+ethoxysulfuron at 15 DAT	10	2	39.5	34.5	14.4	WCE 89.6	WCE 45.6	27000	52500	30500	1.94	24000	37321	13321	1.55
Rice	Nutrient management	Use of LCC at regular interval from 21 DAT (50% N as basal+ rest N at a regular interval based on LCC reading	10	2	36.2	39.9	10.2	EBT 15.6	EBT 13.5	41000	73075	32075	1.75	44000	63825	19825	1.45
Maize	Weed management	Post emergence application of Tembotrione 100 gm/ha at 20 DAS	10	2	Continuing					40000	73815	33815	1.84	42000	66970	24970	1.59

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** B C R	Gross Cost	Gross Return	Net Return	** B C R
	Oilseed																
Sesame	Integrated Pest Management	Management of Capsule borer in Sesame-Alternate spraying of Neem (1500PPM) @ 1.5 lt./ha.& Spinosad @ 165 ml/ha at pod initiation & pod development stage .	10							25000	60900	35900	2.44	23000	52500	29500	2.23
	Other Crops																
Okra	weed management	weed management in okra	10	1.0	96.4	79.2	21.7	Weed/m ² 30.6	Weed/m ² 445.2	140500	289200	148700	2.05	144000	237600	93600	1.6

[illegible]

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** B C R	Gross Cost	Gross Return	Net Return	** B C R
Yam	Integrated Disease management	Management of Vine rot(Anthrac nose) in Yam- Tuber treatment with Carbandazim @ 2gram/lt, band placement of Trichoderma 2.5 kg + 30 kg vermicompost /ha. On appearance of disease soil drenching with Carbandazim @ 1kg/ha	10	02	242.4	206.8		No. of rotted vines/plant-0.3	No. of rotted vines/plant-0.7	112000	242400	130400	2.16	108000	206800	98800	1.91

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** B C R	Gross Cost	Gross Return	Net Return	** B C R
Brinjal	Integrated Disease management	Management of Wilt complex in Brinjal- Seed treatment with Metalaxyl+Mancozeb 72% WP @ 2gm/kg +soil application of Carbofuran @ 1kg a.i. /ha+ soil drenching of Carbendazim 0.15%+ Streptocycline 0.015% at 30 and 45 days after transplanting	10	02	Cont.			Wilting %-3.1	Wilting%-18.4								

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** B C R	Gross Cost	Gross Return	Net Return	** B C R
Mango	Integrated Pest management	Management of Fruit fly in Mango- Destruction of fallen fruits, installation of Methyl eugenol trap@10/ha., Poison baiting with 1lt. Gur +10 lt. of water+ 20 ml deltamethrin for 01 ha. area	10	02	54.2	46.4	19.4	Damaged fruit %-2.8	Damaged fruit %-14.6	45000	108400	63400	2.41	41000	92800	51800	2.21
Others (Value addition of Oyster mushroom)	Value addition	Value addition of oyster mushroom by preparing pickle	10	10 kg	4.5	10		Keeping quality 180 days	2 days	400	600	200	1.5	540	1350	810	2.5

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** B C R	Gross Cost	Gross Return	Net Return	** B C R
Others (pl. specify) Nutritional garden	Nutritional Security at family level	Nutritional garden with protein, vitamin and iron riched vegetables and fruits throughout the year on consumer preferences	10	0.002	937	530	75.7	Average per capita availability gm/day 278.0	Average per capita availability gm/day 172.0	4300	9370	5070	2.01	3200	5300	2100	1.65
Others (Biofertilized vegetable cultivation)	Nutritional Security at family level	Biofertilized sweet potato cultivation at backyard,.Var. <i>Bhu.sona</i>	10	1 ha	Yield 167 qt/ha	Yield 142 qt/ha	17.6	Av. Wt of tuber (gm) 210	Av. Wt of tuber (gm) 180	131200	250500	119300	1.9	131200	213000	81800	1.62
	Total																

Livestock

[illegible]

[illegible]

Sheep and goat	LPM	Demo on rotation of bucks combined with periodic deworming, vaccination and supplementation for herd improvement	5	5	cont.												
Duckery																	
Others (Fodder, Hybrid napier, CO4)	LPM	Demo. on perennial fodder production in dairy nutritional management	5	5	6.5lit avg. milk yield	6.0lit avg. milk yield	8.3	Milk fat, SNF% 4.0, 7.8	Milk fat, SNF % 3.5, 7.1	4500	14625	10125	3.25	9000	12960	3960	1.44
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

[illegible]

Orname ntal fishes																	
Others (pl.spec ify)																	
	Total																

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

** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demons ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture	Honey bee rearing(Apis cerana indica)- Colony installation, management of Hive, feed management in adverse climatic condition	05	05	4.5kg honey/b0x & 01 new colony					1200	2800	1600	2.3				

Hanging type grain cleaner	Rice	Hanging type Grain cleaner with sac holder for drudgery reduction	10	-	Cleaning output (kg/hrs) 122	Cleaning output (kg/hrs) 59	Avg. of percentage increase in efficiency 66.6 %	Avg. WHR/min 96	Avg. WHR/min 105	Energy expenditure (KJ/min) 6.64	Energy expenditure (KJ/min) 8.07	cardiac cost of work 20.59	cardiac cost of work 29.7	Avg. of percentage reduction in drudgery 17.94 %	
OUAT Ragi thresher-cum-pearler	Ragi	Operated by 1.0hp electric motor Output :: 80-85 kg/h Threshing efficiency :: 93 - 95 %, Cleaning Efficiency :: 93 - 95 %	10		Threshing capacity (kg/hr) - 72	Threshing capacity (kg/hr) - 10	86.11	Cleaning efficiency – 98%	Cleaning efficiency – 92%	Cost of threshing(Rs/q) – Rs.600/-	Cost of threshing (Rs/q) – Rs.111/-	Net return (Rs/ha.) – 12900 /- (yield 8.5 q/ha)	Net return (Rs/ha.) – 8700/- (yield 8.5 q/ha)		
Dry land power weeder in Rabi vegetables	Tomato / Brinjal	Capacity: 0.08-0.1 ha/h (12.5 h/ha) Cost of operation: Rs 2000-2500/- per ha	10		Labour require (MD/ha)- 12	Labour require (MD/ha) - 44	72	Fuel consumption (Lt./hr.) – 0.8	-	Cost incurred (Rs./ha.) – 6000/-	Cost incurred (Rs./ha.) – 13200/-				

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

**** BCR= GROSS RETURN/GROSS COST**

Demonstration details on crop hybrids

[illegible]

[illegible]

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Ragi	Arjuna performing better than local varieties and giving higher no of fingers/panicle
2	Rice	The demonstrated herbicides controls all grasses and sedges
3	Rice	Use of LCC decreases N fertilizer use
4	Maize	Continuing
5	Okra	Some of monocot weed like cyperus and dicot weeds are not controlled by quizalofop ethyl
6	Brinjal	Presence of spine on leaf and fruit surface causes difficulty in harvesting
7	Tomato	Oblong fruit size of tomato (Arka Rakshak)

Extension and Training activities under FLD on HYV variety of Ragi – Arjuna

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	28.09.2021	1	50	
2.	Farmers Training	04.06.2021	1	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD on weed management in Rice

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	18.08.2021	1	50	
2.	Farmers Training	08.07.2021	1	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD on INM in Rice

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	25.08.2021	1	50	
2.	Farmers Training	27.07.2021	1	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD on weed management in okra

Sl. No.	Activity	Date	No. of activities	Number of participants	Remarks
---------	----------	------	-------------------	------------------------	---------

			organized		
1.	Field days				
2.	Farmers Training	29.12.2021	1	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD on brinjal var. Swarna Shyamali

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	02.07.2021	1	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD on tomato hybrid Arka Rakshak

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	21.09.2021	1	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD on INM in bittergourd

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	06.12.2021	1	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD on Mango fruit fly

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	22.03.2021	1	40	
2.	Farmers Training	18.01.2021	1	25	
3.	Media coverage				

4.	Training for extension functionaries				
----	--------------------------------------	--	--	--	--

Extension and Training activities under FLD on Anthracnose disease management in Yam

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	16.11.2021	1	50	
2.	Farmers Training	12.05.2021	1	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD on sesame capsule borer management

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	26.03.2021	1	50	
2.	Farmers Training	12.02.2021	1	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD on Hanging type grain cleaner

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	08.12.2021	1	50	
2.	Farmers Training	24.11.2021	1	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD on value addition of Oyster mushroom

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	22.12.2021	1	50	
2.	Farmers Training	12.12.2021	1	25	
3.	Media coverage				
4.	Training for extension functionaries				

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

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Avg.	D	S	P
1	Groundnut	TMV-2	23.2	19.28	19.36	35	Seed treatment, Fertilizer-20:50:40:: NPK kg/ha, Thiamethoxam @ 150 gram/ha for sucking pests, Hexaconazole @ 1lt./ha. For management of Tikka disease	25	10.0						

B. Economic parameters

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

C. Socio-economic impact parameters

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

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies	Farmers' Perception parameters					
		Suitability	Likings	Affordability	Any	Is	Suggestions, for

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

E. Specific Characteristics of Technology and Performance

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

F. Extension activities under FLD conducted:

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

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

H. Farmers' training photographs

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

J. Details of budget utilization

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

[illegible]

[illegible]

[illegible]

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others (ICM)													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	11	159	68	227	33	8	41	1	0	1	199	76	275

B) Rural Youth (on campus)

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Piggery													
Rabbit farming													
Poultry production	2	21	0	21	8	1	9				29	1	30
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 (Value chain management For profitable Agribusiness)	1	9		9	6		6				15		15
Others (Plant products & ITKs for pest control)	1	10	1	11	3	1	4				13	2	15
Total	13	132	16	148	44	3	47	0	0	0	141	24	195

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Productivity enhancement in field crops													
Integrated Pest Management	1	10	2	12	2	1	3				12	3	15
Integrated Nutrient management	1	5	3	8	3	4	7	0	0	0	8	7	15
Rejuvenation of old orchards	1	11	2	13	1	1	2	0	0	0	12	3	15
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	1	6	3	9	4	2	6				10	5	15

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
(ICT-led knowledge management and usage patterns in Agriculture)													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total	4	32	10	42	10	8	18	0	0	0	42	18	60

D) Farmers and farm women (off campus)

[illegible]

[illegible]

[illegible]

[illegible]

E)RURAL YOUTH (Off Campus)

[illegible]

F) Extension Personnel (Off Campus)

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
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	1	13	2	15							13	2	15
Livestock feed and fodder production													
Household food security													
Other													
Total	1	13	2	15							13	2	15

G) Consolidated table (ON and OFF Campus)

i. Farmers& Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
I. Crop Production													
Weed Management	4	58	15	73	17	10	27	0	0	0	75	25	100
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management	3	42	19	61	7	4	11	2	1	3	51	24	75
Soil & water conservation													
Integrated nutrient Management	2	31	9	40	6	4	10				38	12	50
Production of organic inputs													
Others													
Total	9	131	43	174	30	18	48	2	1	3	164	61	225

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

iii. Extension Personnel (On and Off Campus)

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Household food security													
Other													
Total	5	45	12	57	10	8	18	0	0	0	55	20	75

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agronomy	F/FW	ICM in Ragi	1	Off	19	6	25	1	1	2
Agronomy	F/FW	Weed management in DSR	2	Off	36	14	50	6	4	10
Agronomy	F/FW	INM in rice	1	Off	20	5	25	4	1	5
Agronomy	F/FW	IWM in rice	1	Off	20	5	25	-	-	-
Agronomy	F/FW	ICM in maize	2	Off	29	21	50	5	5	10
Agronomy	RY	Vermicomposting	2	On	10	5	15	-	-	-
Agronomy	F/FW	Package of practices in ground nut	1	On	17	8	25	3	-	3
Agronomy	F/FW	IWM in ground nut	1	Off	16	9	25	4	1	5
Agronomy	F/FW	IWM in maize	2	Off	38	12	50	4	4	8
Agronomy	F/FW	INM in sunflower	2	Off	25	25	50	5	8	13
Agronomy	F/FW	POP in greengram	1	On	17	8	25	5	-	5
Agronomy	RY	Quality seed production	2	Off	10	5	15	-	-	-
Agronomy	IS	SSNM in cereals	1	On	8	7	15	3	2	5
Horticulture	F/FW	Package of practices for brinjal	1	Off	24	1	25	6	0	6
Horticulture	F/FW	Agro techniques for chilli cultivation	1	Off	12	13	25	1	3	4
Horticulture	F/FW	INM in cole crops	1	On	25	0	25	1	0	1
Horticulture	F/FW	Off season tomato cultivation	1	Off	24	1	25	0	0	0
Horticulture	F/FW	Off season tomato cultivation	1	Off	12	13	25	9	12	21

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Horticulture	F/FW	Quality seedling production of vegetable using portray	1	On	25	0	25	7	0	7
Horticulture	F/FW	Use of growth regulator in vegetable	1	On	25	0	25	5	0	5
Horticulture	F/FW	Agro techniques for bitter gourd cultivation	1	Off	11	14	25	0	1	1
Horticulture	F/FW	Package of practices for pointed gourd cultivation	1	Off	25	0	25	6	0	6
Horticulture	F/FW	Physiological disorder in cole crops	1	Off	9	16	25	1	0	1
Horticulture	F/FW	Agro techniques for okra cultivation	1	Off	19	6	25	1	0	1
Horticulture	RY	High value vegetable crop cultivation	2	On	15	0	15	4	0	4
Horticulture	RY	Planning and layout of orchard for commercial fruit production	2	On	15	0	15	3	0	3
Plant protection	F/FW	IPM in chili	1	Off	21	4	25	5	2	7
Plant protection	F/FW	IDM in Brinjal	1	Off	18	7	25	5	3	8
Plant protection	F/FW	IPM in cole crops	1	On	22	3	25	4	-	4
Plant protection	F/FW	IPM in tomato	1	Off	20	5	25	3	2	5
Plant protection	F/FW	IDM in Yam	1	Off	13	12	25	4	2	6
Plant protection	F/FW	IPM in cashewnut	1	On	22	3	25	2	1	3
Plant protection	F/FW	IPM in maize	1	Off	22	3	25	3	1	4
Plant protection	F/FW	IPM in Ragi	1	Off	15	10	25	2	1	3
Plant protection	F/FW	IDM in Rice	1	On	22	3	25	2	1	3

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Plant protection	F/FW	IPM in Rice	1	Off	21	4	25	4	1	5
Plant protection	F/FW	IPM in mango	1	On	20	5	25	4	2	6
Plant protection	F/FW	Bio-control management in brinjal pest	1	On	19	6	25	3	2	5
Plant protection	F/FW	IPM in cole crops	1	Off	17	8	25	4	2	6
Plant protection	F/FW	Honey bee rearing	1	Off	10	15	25	4	6	10
Plant protection	F/FW	IPM in Pigeonpea	1	Off	25		25	5		5
Plant protection	RY	Role of Plant products ITK, biopesticide for pest control	2	On	13	2	15	3	1	4
Plant protection	RY	Honey bee	2	On	15	-	15	3	-	3
Plant protection	IS	New generation pesticide	1	On	12	3	15	2	1	3
Animal Sc	F/FW	Housing, feeding and health management of Buck, kid, doe and pregnant	1	Off	4	21	25	-	-	-
Animal Sc	Livestock farmers	Azolla production for livestock nutrition and management	1	Off	25		25	4		4
Animal Sc	Livestock farmers	Fodder crops and importance in livestock	1	Off	14	11	25			
Animal Sc	Dairy farmers	Feeding and health management of cattle	1	Off	19	6	25	1	1	2
Animal Sc	F/FW	AI for breed improvement in cattle	1	Off	18	7	25			
Animal Sc	F/FW	Clean milk production and milk	1	Off	12	13	25	5	8	13

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
		hygiene								
Animal Sc	F/FW	Buck management for herd development	1	Off		25	25		2	2
Animal Sc	F/FW	Poultry farming management	1	Off	25		25			
Animal Sc	F/FW	Different fodder crops and their cultivation practices	1	Off	6	19	25			
Animal Sc	F/FW	Care and management of pregnant does and kids	1	Off				11	14	25
Animal Sc	F/FW	Brooding management in backyard poultry	1	Off				12	13	25
Animal Sc	F/FW	Feeding management of livestock with special reference to alternative feed sources	1	Off	24	1	25	2		2
Animal Sc	F/FW	Simplified azolla production and pre-treatment of straw for feeding management	1	Off		25	25		2	2
Animal Sc	RY	Low input technology poultry farming for income generation	2	On	15		15	5		5
Animal Sc	RY	Dairy farming for entrepreneurship development	2	On	15		15	4		4
Animal Sc	RY	Goat farming for entrepreneurship	2	On	15		15	4		4

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
		development								
Animal Sc	IS	Care and management of pregnant does and kids	1	Off		15	15		15	15
Animal Sc	IS	Brooding management	1	On	14	1	15	3	1	4
Animal Sc	IS	Importance of Postmortem & diagnosis methods in livestock	1	Off	13	2	15	-	-	-
Home Science	F/FW	Planning & layout of kitchen garden	1	Off	-	25	25	-	-	-
Home Science	F/FW	Cultivation of bio-fortified varieties of vegetables	1	Off	8	17	25	-	-	-
Home Science	F/FW	Use of small implements & tools for drudgery reduction	1	On	-	25	25	-	1	1
Home Science	F/FW	Cultivation practices of paddy straw mushroom	2	Off	-	50	50	-	30	30
Home Science	IS	Nutritional security of farm family through kitchen garden	1	On	1	14	15	-	3	3
Home Science	F/FW	Value addition of Ragi	1	Off	-	25	25	-	12	12
Home Science	RY	Mushroom spawn production	1	On	9	6	15	3	-	3
Home Science	F/FW	Cultivation practices of different varieties Oyster mushroom	1	Off	-	25	25	-	-	-
Home Science	F/FW	Vermicomposting by using spent mushroom straw	1	Off	-	25	25	-	4	4
Home	F/FW	Value addition	1	Off	4	21	25	2	-	2

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Science		of vegetables & foods								
Home Science	F/FW	Value addition of tomato	1	Off	-	25	25	-	4	2
Home Science	RY	Value addition of vegetables & fruits	1	On	2	13	15	-	-	-
Home Science	IS	Dietary management for pregnant and lactating women	1	On	-	15	15	-	2	2
Home Science	F/FW	Value addition of oyster mushroom	1	Off	-	25	25	-	-	-
Agril. Extension	F/FW	Improved techniques of Seed treatment in Groundnut	1	Off	21	4	25	-	-	-
Agril. Extension	F/FW	Market linkage for smallholder farmers	1	Off	17	8	25			
Agril. Extension	F/FW	Orientation & awareness programme on farmers clubs-formation	2	Off	38	12	50	-	-	-
Agril. Extension	F/FW	Income generation through agricultural and allied agricultural sector	2	Off	18	32	50	-	-	-
Agril. Extension	F/FW	Farmers Producers Organization	1	Off	17	8	25	4	-	4
Agril. Extension	F/FW	Improved techniques of Seed treatment in Greengram	1	Off	25	-	25	5	-	5
Agril. Extension	F/FW	Management of SHG	1	Off	25	-	25	-	25	25
Agril. Extension	F/FW	Formation of groups for aggregation & marketing of village produce	1	Off	25	-	25	-	25	25

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agril. Extension	F/FW	Orientation and capacity building of Para-extension workers (Progressive farmers) for technology dissemination in grass root level.	1	Off	13	12	25	6	5	11
Agril. Extension	RY	Orientation and awareness programme on Custom hiring centres for betterment of farming community	1	On	15	-	15	1	-	1
Agril. Extension	RY	Value chain management For profitable Agribusiness	1	On	15	-	15	3	-	3
Agril. Extension	IS	ICT-led knowledge management and usage patterns in Agriculture	1	On	9	6	15	3	3	6

H) Vocational training programmes for Rural Youth

a) Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title *	Duration (days)	No. of Participants			Self employed after training			Number of persons employed elsewhere
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Goat	Goat farming	Scientific goat rearing and husbandry	4	15	0	15	Goat units	5	5	-

b) Details of participation

[illegible]

[illegible]

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

[illegible]

b) Details of participation

[illegible]

[illegible]

Sammelan											
Soil health Camp	1	3 7	1 5	52	8	3	1	4	40	16	56
Animal Health Camp	3	4 2	2 4	66		3		3	45	24	69
Agri mobile clinic											
Soil test campaigns	2	7 0	3 0	10 0	4				70	30	100
Farm Science Club Conveners meet											
Self Help Group Conveners meetings											
Mahila Mandals Conveners meetings											
Celebration of important days (World Bee Day, World Milk Day, Vana mohatshava, University Foundation Day, Mahila kisan Diwas, , World Food Day, Constitution Day, Agriculture Education Day, National Girl Child Day)	9	2 1 7	1 4 3	36 0	27	7	2	9	324	145	369
Sankalp Se Siddhi											
Swatchta Hi Sewa	8	1 8 3	5 7	24 0	8				183	57	240
Any Other (Poshan Mahaa)	2		1 5 6	15 6	11	4	2	6	4	158	162
Total	1149	5 4 9 1	1 2 1 3	67 14	150	190	85	275	5781	1298	6989

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	12
Radio talks	2
TV talks	3
Popular articles	
Extension Literature	2
Other, if any	

[illegible]

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Rice	RGL 2537	56 (unprocessed)	182000								Stock in hand
Rice	Sarala	104(unprocessed)	338000								Stock in hand
Pigeon pea	BRG 5	continuing									
Sunhemp	Local	0.8	4560								Stock in hand
Grand Total			524560								

[illegible]

[illegible][illegible][illegible]

Sheep											
Goat											
Other, please specify											
Poultry											
Broilers											
Layers											
Duals (broiler and layer)	Vanaraja, kadaknath, kalinga brown	1160	78000	12	10			8	2	20	12
Japanese Quail											
Turkey											
Emu											
Ducks											
Others (Pl. specify)											
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings											
Spawn											
Others (Pl. specify)											
Grand Total											

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

i) Name of Seed Hub Centre:

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

ii) Quality Seed Production Reports

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

Rabi 2021-2022						
----------------	--	--	--	--	--	--

iii) Financial Progress

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

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper	Assessment of Stress Tolerant Rice Varieties under Rain Fed Condition in North Eastern Ghat of Odisha	S. Mangaraj, S. Sahu, P. K. Panda, F. H. Rahman*, R. Bhattacharya, D. Patri, P. J. Mishra, A. Phonglosa and S. K. Satapathy	1	
Seminar/conference/symposia papers	Enhancing productivity and profitability of short grain aromatic rice-green gram system through INM	S Mangaraj, R K Paikaray, SN Jena, LM Garnayak, BS Rath, M Seth	1	
	Performance of stress tolerant rice varieties under rainfed condition under rainfed condition in changing climate scenario	S Mangaraj, SK Satapathy, PK Panda, PJ Mishra, FH Rahman , R Bhattacharya, DK Patri	1	
Books				
Bulletins				
News letter	Quarterly		3	
Popular Articles				
Book Chapter	Vet quest – One stop solution for	Dr. Siddharth Ranabijuli	2000	2000

	Veterinary and Animal sc; Section: Veterinary Microbiology			
	Host Immune response and drug interaction against <i>T. evansi</i> in book Recent advances in pharmaceutical sciences, vol - 5	Dr. Siddharth Ranabijuli	250	250
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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	International Agronomy Congress	Agro innovations to combat food and nutrition challenges	Dr. Satyabrata Mangaraj	23-27 NOV, 2021 and 5 days	ICAR & PJTSAU
2.	National webinar	“Development of Organic Input Production and Organic Farming Technologies”	Dr. Satyabrata Mangaraj	21.1.2021 & 1 day	MPUAT, Udaipur
3.	International Workshop	Scientific writing	Dr. Satyabrata Mangaraj	23-24 June 2021	ICAR-NDRI
4.	National webinar	Sustainable Organic Farming: Techniques & Certification”	Dr. Satyabrata Mangaraj	17-18 May, 2021 and 2 days	CA, Tripura
5.	Workshop on “Integration of innovative approaches to reinforce one health issue – A step forward”.	Integration of innovative approaches to reinforce one health issue – A step forward	Dr. Siddharth Ranabijuli Scientist (Animal Sc)	17th – 18th, January, 2020	Organized by Odisha University of Agriculture & Technology (OUAT) & Planning & Convergence Department, Govt. of Odisha
6.	Online Workshop on “Scientific writing”	Scientific writing	Dr. Siddharth Ranabijuli Scientist (Animal Sc)	23rd- 24th June, 2021	Institute Development Plan of National Agricultural

					Higher Education Project (IDP-NAHEP), ICAR – National Dairy Research Institute, Karnal, Haryana.
7.	Online Training “Advance Training on Poultry and Duck Farming”	Advance Training on Poultry and Duck Farming	Dr. Siddharth Ranabijuli Scientist (Animal Sc)	14th - 18th September, 2021	ICAR-Directorate of Poultry Research (DPR), Rajendranagar, Hyderabad & ICAR-Agricultural Technology Application Research Institute (ATARI), Kolkata.
8.	Online Training programme on “Scientific Dairy farming for sustainable economic security”	Scientific Dairy farming for sustainable economic security	Dr. Siddharth Ranabijuli Scientist (Animal Sc)	6th – 10th December, 2021	ICAR-National Dairy Research Institute (NDRI), Eastern Regional station, Kalyani, WB & ICAR-Agricultural Technology Application Research Institute (ATARI), Kolkata
9.	International Agronomy Congress	Agro innovations to combat food and nutrition challenges	Dr. Sutanu Kumar Satapathy	23-27 NOV, 2021 and 5 days	ICAR & PJTSAU
10.	International Agronomy Congress	Agro innovations to combat food and nutrition challenges	Sri Prasanta Kumar Panda	23-27 NOV, 2021 and 5 days	ICAR & PJTSAU
11	Collaborative Online training Programme.	Entrepreneurship Development in Mushroom Cultivation.	Mrs Anita Patro	May 18-20,2021	CAEIR,MANAGE and ICMR,DMR
12	Online training Programme.	Road map for KVKS to enhance mushroom production and consumption	Mrs Anita Patro	August 9-11 2021	Mushroom Research Lab, IIHR , Bangalore
13	Online Faculty Development Programme , Rama Devi Womens University, Bhubaneswar	Effective Stress Management for Maximising Human Productivity	Mrs Anita Patro	June 9-13 ,2021	Rama Devi Women,s University, Bhubaneswar

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

Name of farmer	Sri Jalandhara Pradhan
Address	Jalandhara Pradhan, S/O: Vill: Muliapalli, Block-Surada
Contact details (Phone, mobile, email Id)	9692860655
Landholding (in ha.)	3.6 ha
Name and description of the farm/enterprise	Off season vegetable cultivation
Economic impact	4,15,800/-
Social impact	Nearby farmers of the village regular visit his farm & influenced by the entrepreneurship
Environmental impact	Eco-friendly, optimum utilization of available resources
Horizontal/ Vertical spread	20-25 nos farmers

Name of farmer	Sri Jogendra Pala
Address	Jogendra Pala, S/O: Niranjana Pala Vill: Golapada, Block-Bhanjanagar
Contact details (Phone, mobile, email Id)	9692860655
Landholding (in ha.)	1.6 ha
Name and description of the farm/enterprise	Rice, Vegetable, sweetcorn, Greengram
Economic impact	3,15,500/-
Social impact	Nearby farmers of the village regular visit his farm & influenced by the entrepreneurship
Environmental impact	Eco-friendly, optimum utilization of available resources
Horizontal/ Vertical spread	16-20 nos farmers

Name of farmer	Sri Gangadhar Pradhan
Address	Gangadhar Pradhan Vill: Chadheipalli Block-Jagannathaprasad
Contact details (Phone, mobile, email Id)	078702446
Landholding (in ha.)	1.6 ha
Name and description of the farm/enterprise	Mushroom, Dairy, Vegetable, Greengram, ,paddy
Economic impact	3,75,000/-
Social impact	Nearby farmers of the village regular visit his farm & influenced by the entrepreneurship
Environmental impact	Eco-friendly, optimum utilization of available resources
Horizontal/ Vertical spread	17-20 nos farmers

Name of farmer	Smt. Sumitra Sahu
Address	Simanchala Sahu Vill: Rauti Block- Jagannathaprasad
Contact details (Phone, mobile, email Id)	9437645074

Landholding (in ha.)	1ac
Name and description of the farm/enterprise	Mushroom, Mushroom spawn
Economic impact	3,20,500/-
Social impact	Nearby farmers of the village regular visit his farm & influenced by the entrepreneurship
Environmental impact	Eco-friendly, optimum utilization of available resources
Horizontal/ Vertical spread	10 nos farmers

Name of farmer	Smt. Chameli Behera
Address	Rajesh Behera Vill: Dihapadhala Block- Bhanjanagar
Contact details (Phone, mobile, email Id)	8657689637
Landholding (in ha.)	1ac
Name and description of the farm/enterprise	Value addition of Fruits and vegetables, Vermicompost.
Economic impact	3,30,500/-
Social impact	Nearby farmers of the village regular visit his farm & influenced by the entrepreneurship
Environmental impact	Eco-friendly, optimum utilization of available resources
Horizontal/ Vertical spread	12 nos farmers

Name of farmer	Smt. Maheswara Badatya
Address	Padmapur, Surada
Contact details (Phone, mobile, email Id)	9938656297
Landholding (in ha.)	1.4 ha
Name and description of the farm/enterprise	Rice, greengram & vegetables (IPM, INM, Varietal substitution)
Economic impact	2,33,895/-
Social impact	Nearby farmers of the village regular visit his farm & influenced by the entrepreneurship
Environmental impact	Eco-friendly, optimum utilization of available resources
Horizontal/ Vertical spread	34 nos farmers

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

Sl. No.	Name/ Title of the technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology
1	Wild animal scarer (Dhadka)	Mahendra Kumar Nayak, Vil.- Lepa, Jagannath Prasad, Mob.-9777282482	Bamboo structure of 3ft long with a cut portion in lower side. By beating with hand a strong sound will come which scares wild animal & birds

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

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

- b. Give details of organic farming practiced by the farmer

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

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1	Focus group discussion, Brain storming, problem matrix	Training, FLD & OFT

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

Sl. No	Name of the Equipment	Qty.
1	Mrida Parikshyaka	02

- 3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
347	-	347	1595	22	

- 3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	Farmer-scientist Interaction	45	-	-	45	45

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

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

3.13. Technology week celebration

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

3.14. RAWE/ FET programme - is KVK involved? (Yes – Exposure visit)

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
09.10.2021	Prof. Pawan Agrawal, Hon'ble Vice-chancellor, OUAT	Review of KVK activities
09.10.2021	Prof. P.J. Mishra, Dean, Extension Education, OUAT	Review of KVK activities
08.11.2021	Dr. H.K. Sahu, DDE, OUAT	Review of KVK activities
12.11.2021	Dr. Sumant Kumar Kundu, Principal Scientist, CRIDA, Hyderabad	Review of NICRA activities & visited KVK farm
23.12.2021	Dr. Biswanath Sahu, Senior Scientist, CIWA	visited KVK farm

4. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Vermicomposting	15	59	10000	55000
Demonstration of ragi variety Arjuna	20	89	17895	56321
Weed management in DSR	7	87	29666	49855
Brooding management	65	72	8000	14000
Perennial fodder cultivation	50	30	9000	12000
Azolla cultivation	25	58	4000	5500
Buck exchange/ management, pregnant, doe and kid management	25	67	25000	38000
Nutritional garden	132	76		
Mushroom cultivation	48	65	65000	86,000
Post harvest management in fruits & vegetable	37	69	57000	79,000
Drudgery reduction	28	62	76000	87,000
Value addition of cereal,	125	59	55000	74,000

millets, fruits and vegetables				
IPM in maize	25	60	20000	25000
IPM in Ragi	25	56	5000	8000
IDM in Rice	25	48	15000	18000
IPM in Rice	25	64	15000	18000
IPM in mango	25	48	20000	26000
Bio-control management in brinjal pest	25	44	30000	40000
Cultivation practices of paddy straw mushroom	25	60	55000	65000
Value addition of Ragi	25	48	23000	34000
Mushroom spawn production	15	42	82000	96000
Cultivation practices of different varieties Oyster mushroom	25	56	42000	52000

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
Demonstration of HYV of ragi	450 ha
Demonstration of CLCC in rice	1522 ha
Demonstration of tembotrione in maize	600 ha
Brinjal Wilt complex management	1200ha.
Mineral mixture feeding to cattle	4400 cattle

Give information in the same format as in case studies

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

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms

4.4. Details of innovations recorded by the KVK

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

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Sri Basanta Sahu
Name & complete address of the entrepreneur	Ekagharia, Block- Jagannathprasad, Ganjam Mob : 9337237370
Role of KVK with quantitative data support:	The youth was trained by KVK for entrepreneur development in poultry& IPM of crops. Value chain linkage with various producer and marketing organizations by KVK was done.

Timeline of the entrepreneurship development	One year
Technical Components of the Enterprise	After KVK interventions on IPM, IDM, INM his production improved. Similarly livestock and fishery components were improved by utilization of new techniques on feeding, health and disease management
Status of entrepreneur before and after the enterprise	Net Income – Before : Rs.3,43,600 After :Rs.7,22,500
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	His endeavour has produced income opportunities for more than 5 persons on daily basis. Sugarcane juice is supplied for Gur preparation.
Horizontal spread of enterprise	18 nos

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
1. Pulse Research Station, Berhampur	- Provides the breeder and foundation seeds of the new varieties of the major crops of this district for multiplication and distribution to the farmers of this area. - Provides all possible technical guidance and helps in solving the problems related to pest and diseases of the crops of the area - Research results are being communicated to us for transfer of the same to the farming community. - Feed back collected from farmers on performance of research results are supplied to the RRS regularly for refinement.
2. State Department of Agriculture, Berhampur	- Selected trainees and extension personnel were trained in KVK on various subjects. - Facilitation of visits for adopted farmers to KVK field units. - Collaborative demonstrations were taken up. - Collaborative extension activities like field days, exhibitions and seminars were conducted. - BGREI monitoring
3. State Department of Horticulture, Bhanjanagar	- Provided seedlings of different horticultural crops to LLP, SC/ST beneficiaries. - Collaborative trainings, field days, demonstrations have been conducted. - Training of rural youth on grafting and raising vegetable nursery were conducted at their horticultural units.
4. State Department of Animal Husbandry and Veterinary Science	- Deputed specialist veterinary doctors to deliver guest lecturers. - Supply of poultry birds. - Collaborative programmes like health, infertility

	of dairy animals, exhibition, field days and demonstrations
5. Orissa State Seed Corporation, Berhampur	- Organising training programmes for resource rich and progressive farmers as well as extension workers for undertaking seed production programme. - Exchange of seeds for better quality crop husbandry. - Development of seed village under seed village scheme
6. State Department of Fisheries	- Joint diagnostic survey, conducting training programmes and demonstrations. - Training to Block level officers.
7. ATMA	- Developing SREP plan - Reviewing Block Action Plan & guidance. - Training to FAC & BTT members. - Conducting strategic research. - Conducting Farmer Participatory Research.
8. NRRI, Cuttack	Hyv, stress tolerant var. of Paddy
9. CTCRI, Regional Centre, Bhubaneswar	Planting materials of tuber crops
10. CARI, Regional centre, Bhubaneswar	Supply of Banaraja poultry bird and Khaki Campbell ducklings
11. NABARD	Technical support to Farmers club .
12. CPDO	Supply of quality chicks
13. CTMRT	Supply of quality spawn, Mother spawn etc.
14. CIWA	Technical guidance for gender development

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

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/bred	Produce	Qty.	Cost of inputs	Gross income	
1.	Vermicompost	2011	22.0	<i>E.foetida</i>	Vermin	45kg	8000	22500	

	ost								
2.	Poly house	2011-12	100	Hybrid of vegetable and fruit crops	seedling	331407	90000	184890	
3.	Mushroom unit	2019	100 sq mt.	Paddy straw mushroom and oyster mushroom	mush room	75 kg	3125		
4	Honeybee Unit	2017-18	5 boxes	Apis cerena indica	Honey	12 kg	3000	4800	
5	IFS	2019	0.2 ha	Fish, Goat, poultry, Mushroom, Banana plants, Honey bee			32000	46000	
6	Mushroom spawn unit	2011-12	40 sq. m	v.volvacea & P. sajarcaju	Mush room spawn	3200 bottles	38400	48000	

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty. (q)	Cost of inputs	Gross income	
Paddy	14.07.2021	25.12.2021	4.0	Sarala	FS	104	280000		
Paddy	16.07.2021	18.12.2021	2.0	RGL 2537	FS	56	140000		
Pigeonpea	05.07.2021	Continuing	1.5	BRG 5	FS		75000		
Sunhemp	18.07.2021	26.10.2021	0.5	Local	TL	0.8	3000		

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

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

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

Sl. No	Name of the animal /	Details of production			Amount (Rs.)		Remarks
		Breed	Type of	Qty.	Cost of	Gross income	

	bird / aquatics		Produce		inputs		
1.							
2.							
3.							

6.5. Utilization of hostel facilities

Accommodation available (No. of beds) - 20

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

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed: Damaged

No. of staffquarters: 10

Date of completion:

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
KVK	State Bank of India	Bhanjanagar	11349671187
KVK (RF)	State Bank of India	Bhanjanagar	30421978750

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April, 2021
	Kharif	Rabi	Kharif	Rabi	
CFLD (Groundnut)		120000			

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 2021
	Kharif	Rabi	Kharif	Rabi	

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances			
2	Traveling allowances	120000	60000	60800
3	Contingencies			
A	OE & POL	480000		471630
B	Training & Training material	360000		80425
C	Front Line Demonstration	180000		147457
D	On Farm testing	180000		40419
E	SCSP	900000	330000	326476
F	HRD	30000	15000	-
G				
H				
I				
J	Swachhta Expenditure/ SAP Fund	14700		14700
TOTAL (A)		2144700		1081107
B. Non-Recurring Contingencies				
1	Library	10000		
2	Equipments & furniture	100000		
3	Works	400000		
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		26547000		1081107

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2019-20	1444	1244800	1231080	13720
2020-21	13720	1194978	1192679	2299
2021-22	2299	516914	375638	

7.6. (i) Number of SHGs formed by KVKs

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

(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

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

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

9.1. Nehru YuvaKendra(NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

9.3. mKisanPortal (National Farmers' Portal/ SMSPortal)

Type of message	No. of messages	No. of farmers covered
Crop	32	52281
Livestock	14	
Fishery	9	
Weather	6	
Marketing	3	
Awareness	6	
Training information		
Other		
Total		70

9.4. KVK Portal and Mobile App

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

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
12.01.2021, 26.01.2021, 15.08.2021, 30.08.2021, 14.09.2021, 02.10.2021, 13.10.2021, 24.11.2021, 09.12.2021, 22.12.2021, 27.12.2021	Swachha SEVA Diwas at office administrative building, demonstration unit, training hall, farmer's hostel, Samagra Swachhata Diwas celebrated at in 2 villages Awareness campaign, Meeting, Road show & interaction

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	11	4500
4. Cleaning and beautification of surrounding areas	09	3400
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	06	3400
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level	03	1100
8. Swachhta Workshops		
9. Swachhta Pledge		
10. Display and Banner	06	2300
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)	07	
14.No of Staff members involved in the activities	14	
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)		
Total	56	14700

9.6. Observation of National Science day

Date of Observation	Activities undertaken
---------------------	-----------------------

--	--

9.7. Programme with SeemaSurakshaBal/ 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 Swachhta Hi Surakshaprogramme(16-31.12.2021) organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
	Cleaning & beautification of village surroundings, roads & ponds	07	128	-	Sarapanch & local farmer representatives

9.10. Details of Mahila Kisan Divas programme(15.10.2021) organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Meeting & interaction programme	01	40	03	Sarpanch, AAO

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

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1	Sri Satyajit Kar	9861432504	Grafting and nursery raising of vegetable and fruit crops
2	Sri Sumanta Kumar Pradhan		Fish seed production
3	Sri Chitrasen Behera	9937323009	maintain optimum temperature in the production shed for better output in mushroom production.
4	Sri Mahendra Kumar Nayak	9777282482	IFS with Honey bee
5	Sri Madhab Chandra Apata	9861813350	Pond based farming system
6	Sri Pitabasa Pradhan	9928184275	Drudgery reducing Paddy Straw Cutter

7	Sri Subash Chandra Maharana	08763346321	Hand Made Paddy Seed Drill
8	Sri Birendra Naik	8458071034	Poultry & mushroom
9	Sri Maguni Pradhan	8984186273	Vegetable cultivation

9.12. Revenue generation

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

9.13. Resource Generation:

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

9.14. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
2021	IMD	functioning

9.15. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Odisha	Ganjam-I	Crop substituiti on	03	68	Fallow area of Kharif with Pre Rabi oil seed & Pulse crop
		NRM	9	10	Raising of farm bund ht. by 1 ft
		Varietal evaluation	03	41	YMV tolerant short duration Greengram var. IPM 02-14

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

- a) Year:
b) Introduction / General Information:

	Title	Objective	Treatment details	Date of sowing	Replication	Result with photographs
--	-------	-----------	-------------------	----------------	-------------	-------------------------

Experiment 1						
Experiment 2						
Experiment 3						
...						
..						
Others (If any)						

11. Celebration of World Food Day in 2021

Sl. No.	Activities undertaken	No. of VIPs attended	No. of participants		
			M	F	T
1	farmer scientist interaction, video show	-	42	8	50

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

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted										Remarks
				SC		ST		Other		Total				
				M	F	M	F	M	F	M	F	T		
Raising of farm Bund height- Rice	01	01	06	4	2			1	3	1	5	2		Water conservation
Ridge & furrow practices in Maize, Cowpea	01	01	04	2	1			5	2	7	3	1	0	Water conservation
Poly mulching in Tomato, Brinjal	01	01	01	1	1			6	2	7	3	1	0	To check weed population
Green manuring	01	01	05	3	1			8	3	1	4	1	5	To decrease soil acidity
Low cost poly house	01	02	0.007							1	1	2		To reduce seedling mortality
Drip irrigation	01	04	0.3							4		4		Water conservation

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted										Remarks
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Drought tolerant short duration Rice var. Sahabgadhan	05	3	1			7	2	1	3	1	3	Water conservation

Short duration Rice var. MTU-1156	04	2	1			5	2	7	3	10	Water conservation
Flood tolerant Rice var. Swarna sub-1	08	6	2			13	4	19	6	25	Flood tolerant
Medium Duration Pigeonpea var. PRG-176	06	3	1			9	4	12	5	17	Moisture stress tolerant
Crop diversification from Maize to Sweetcorn in Upland	01	1	1			2	1	3	2	05	Higher income
Crop diversification from Rice to Blackgram in Upland	06	4	2			9	3	13	5	18	Low t emp. tolerant
Crop Diversification from Rice to Ragi in upland	02	1	1			3	-	4	1	05	Water conservation
Demonstration on Short duration YMV tolerant Greengram var.-IPM 02-14	20	09	05			27	9	34	16	50	YMV tolerant
Demonstration on Short duration Blackgram var.-PU-31	07	3	2			11	4	14	06	20	Short duration
Poly mulching in Brin jal	0.5	1	1			2	1	3	2	05	Moisture & nutrient conservation

Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
Climate Resilient Poultry breed- Kadaknath	400	10		2	2			4	2	6	4	10	Better adaptation to climatic constraint
Composite Pisciculture		05	02	1				4		5		05	To decrease mortality
Mineral mixture feeding	40	20		4	2			10	4	14	6	20	To increase milk production
Concrete flooring with bamboo & straw thatching for cattle	31	16		4	2			7	3	11	5	16	Better hygienic condition, Adverse climatic condition
Hybrid napier,Co-4		05	0.5	1	1			2	1	3	2	05	For year round fodder

Institutional interventions

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

			M	F	M	F	M	F	M	F	T	
Seed bank	01											For adverse condition
Custom hiring centre	01	28	1 3	4			3 4	0 7	4 7	1 1	5 8	Timely agriculture operation

Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC	ST		Other		Total			
		M	F	M	F	M	F	M	F	T
IPM in Rice	01	5	2			13	5	18	0 7	25
Nursery raising , Grafting techniques of veg. & fruits	01	4	2			15	4	19	6	25
Application of Floating feed in Pisciculture	01	5	2			15	3	20	0 5	25
Cattle health management	01	4	1			14	6	18	0 7	25
Mushroom cultivation	01	6				19		-	2 5	25

Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC	ST		Other		Total			
		M	F	M	F	M	F	M	F	T
Field days	04	24	14			104	18	128	3 2	16 0
Method demonstrations	05	18	8			62	14	80	2 2	10 2
Group discussion	08	13	09			47	15	60	2 4	84

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

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

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

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

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

16. Integrated Farming System (IFS)

Details of KVK Demo. Unit

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

17. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	Crop substitution, Goatery, Poultry	-Sweetcorn -Greengram-IPM 02-14 - Vaccination goat. -Poultry- Pallishree	222600	54	
2	Crop, Dairy, Mushroom, Vegetable	- Weed management - INM - IPM - Vaccination	374600	96	

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

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

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

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

19. Information on NARI Project(if applicable)

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

20. Specific programmes for the period

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

Sl. No.	Activity	No. of SC farmers/ stakeholders		
		Male	Female	Total
1	On- farm trials	15	9	24
2	Frontline demonstrations	66	74	140
3	No. of Training programmes for farmers	16	7	23
4	Farmers trained	245	180	425
5	No. of Training programmes for Extension Personnel			
6	Extension Personnel trained			
7	Participants in extension activities			
8	Distribution of seed	5	12	2.0q Groundnut seed & 500. no of mushroom spawn
9	Planting material distributed			
10	Livestock strains and fingerlings distributed	7	3	Backyard poultry - 300
11	Soil, water, plant, manures samples tested	35	15	50
12	Mobile agro-advisory provided to farmers	388	106	494 (32 no messages)
13	Other (Please specify)) Supplement feeding for dairy	8	2	Mineral mix – 100kg, calcium – 20 lit

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

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

iii. Status of Natural Farming

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

iv. Farmer Producer Organizations

a) General information

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

b) Financial information

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

v. Nutri-gardens (Village wise)

Sl. No.	Name of village	Name of crop	Area under the crop (acre)	No. of farmers			Whether bio- fortified variety of crop used (If yes, mention variety & crop)
				M	F	T	
1	Jhatikapalli	Sweet potato	2.0		10	10	Bui-fortified

		Okra, cowpea, Bottleghourd, Cucmpber, Tomato Chili, Cabbage, Cauliflower, Palak,					sweet potato var. Bhu sona
2	Patharapalli	Sweet potato Bittergourd, cowpea, Bottleghourd, Cucmpber, Tomato Chili, Cabbage, Cauliflower, Palak	2.0	2	7	9	Bui-fortified sweet potato var. Bhu sona
3	Godipadara	Bittergourd, cowpea, Bottleghourd, Cucmpber, Tomato Chili Cauliflower, sweet potato	2.5	5	5	10	
4	Thanapalli	Ridge gourd, Sweet potato, cowpea, Bottleghourd, Cucmpber, Tomato Chili Cauliflower, sweet potato	2.0	4	6	10	Bui-fortified sweet potato var. Bhu sona
5	Kharamunda	Sweet potato , Bittergourd, cowpea, Bottleghourd, Cucmpber, Tomato Chili Cauliflower, sweet potato	2.0	4	4	8	Bui-fortified sweet potato var. Bhu sona
6	Malasapadara	Sweet potato Bittergourd, cowpea, Bottleghourd, Cucmpber, Tomato Chili, Cabbage, Cauliflower, Palak	2.0	4	5	9	Bui-fortified sweet potato var. Bhu sona & Bhu Krishna

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

Name of	Total budget	Total budget	Physical Training organized	Online Training organized
---------	--------------	--------------	-----------------------------	---------------------------

KVK	allotted (Rs.)	utilized (Rs.)	No. of training	No. of total participants			No. of training	No. of total participants		
				M	F	T		M	F	T

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

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

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

Sd/-
Senior Scientist & Head
KVK, Ganjam-I
