PROFORMA FOR ANNUAL REPORT 2022 (January-December 2022)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Ganjam At : BenakundaP.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, 2022**)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr. Sutanu Kumar Satapathy	Senior Scientist & Head	Horticulture	79,800 – 2,11,500 1,04,100	29.08.2012	Permanent	Others
2	Subject Matter Specialist	Sri Prasanta Kumar Panda	Scientist	Plant Protection	57,700 – 1,82,400 87,200	05.01.2007	Permanent	Others
3	Subject Matter Specialist	Sri Bishnupada Giri	Scientist	Horticulture	57,700 – 1,82,400 87,200	17.09.2006	Permanent	Others
4	Subject Matter Specialist	Dr. Santosh Kumar Samantaray	Scientist	Agricultural Extension	57,700 – 1,82,400 79,800	06-09-2012	Permanent	Others
5	Subject Matter Specialist	Smt. Anita Patro	Scientist	Home Science	57,700 – 1,82,400 79,800	18.12.2009	Permanent	Others
6	Subject Matter Specialist	Dr.Sidhharth Ranabijuli	Scientist	Animal Science	15600-39100+ AGP 6000 22,220	11.05.2012	Permanent	Others
7	Subject Matter Specialist	Sri Satyabrata Mangaraj	SMS	Agronomy	56,100 – 1,77,500	28.06..2018	Permanent	Others
8	Programme Assistant	Vacant	Programme Assistant	Forestry	35,400- 1,12,400	30.08.2018	Permanent	Others
9	Computer Programmer	Sri Sitikantha Mishra	Programme Assistant	Computer Science	35,400- 1,12,400 56,900	18.01.2006	Permanent	Others
10	Farm Manager	Ms Sushree Sibanee Sardar	Farm Manager	-	35,400- 1,12,400 38,700	08.02.2019	Permanent	Others
11	Accountant / Superintendent	Vacant	-	-	-	-	-	

12	Stenographer	Miss Priyadarshini Ghadei	Steno-cum-computer operator	-	25,500 – 81,100 30,500	22.07.2015	Permanent	SC
13.	Driver	Sri Saroj Kumar Biswal	Driver-cum-mechanic	-	19,900-63,200 28,400	25.07.2007	Permanent	Others
14.	Driver	Sri Gobinda Gouda	Driver-cum-mechanic	-	19,900-63,200 26,88	21.08.2008	Permanent	Others
15.	Supporting staff	Sri Krushna Chandra Pradhan	Peon-cum-watchman	-	16,600 – 52,400 22,900	28.07.2008	Permanent	Others
16.	Supporting staff	Sri Prakash Chandra Gouda	Peon-cum-watchman	-	16,600 – 52,400 24,300	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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Hero Honda	31.3.2007	41899/-	30526	Working
Bolero SLE	14.05.2020	8,00,000/-	19340	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
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 of SAC meeting* conducted in the year

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	08.03.2022	30	Popularization of Maize hybrid Kalinga Raj in farmer's field	Seed production in KVK farm in 0.4 ha. area has been done. FLD has been conducted in 12 ha. area involving 38 farmers. The Avg. Yield is 48.6 q/ha.	
			Screening of Chilli varieties tolerant to leaf curl virus.	OFT on Chilli varieties (Arka Sanvi & Arka Tanvi) in 01 ha. area involving 07 farmers in 03 villages. The incidence of Leaf curl virus in Arka Sanvi was 5.14% & in Arka Tanvi 7.2% where as in farmers field it was 20.85%.	
			Awareness on natural farming	Two training programmes with 50 farmers & One kissan mela involving 80 farmer &	

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
				farmwomen were conducted. Farmers awared on green manuring, vermi-composting, organic inputs, ITKs.	
			Popularization of Sweet potato var. Bhu Krishna	Two F/FW training programmes with 50 farmers, one In-service training & on the occasion of Poshan abhiyan campaign 100 farmers & farmwomen were awared about the Bio-fortified varieties of Sweet	
			Popularization of recent Pulse var. & incorporation of new generation insecticide for pod borer management	Pegionpea variety i.e. LRG 52 is being taken as Seed production programme in 1.0 ha area under KVK instructional farm. Similarly another variety BRG 5 is being popularized through CFLD programme in 10 ha area involving 25 farmers in Surada block. For management of Pod borer complex, new generation pesticide i.e. Flubendiamide & Emamectin Benzoate are included in OFT programme	
			Steps to increase yield of Ragi & promote value addition of Ragi.	New HYV of Ragi - Arjun is demonstrated in FLD programme under KVK and RESILIENCE project about 14 ha. involving 52 farmers of 8 villages. The Avg. yield of Arjuna var. is 11.4 q/ha. OFT	

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
				on Value addition of Ragi products (Sev & Muruku).	
			Fodder cultivation both Seasonal & perennial with emphasis to hydroponics	Two training programmes on fodder cultivation were conducted involving 50 farmers & farm women from 5 villages. One FLD on hydroponic was conducted involving 5 farmers apart from that one hydroponic demonstration unit was established in KVK campus for the purpose of training & awareness among dairy farmers.	
			Promotion of backyard poultry with Kadaknath & other breed for livelihood	One FLD was conducted on Low Input Poultry Breed Kadaknath in Backyard involving 20 farmers (Body wt. 1.4 kg in 180 days). Two trainings were conducted on backyard poultry and brooding management involving 25 farmers Rearing of Kadaknath in demo unit of KVK and the brooded chicks are being supplied to ATMA, KVKs, NGOs, OFDS.	
			Focus on horticulture based IFS with mushroom & Honey bee components	12 Integrated Farming System units were developed in16 ha. area with cereals, fruit	

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
				orchards, vegetables, vermicompost, mushroom, honey bee. Two training programme has been conducted involving 50 farmer & farm women.	
			Value addition of tomato, Mushroom	One FLD on Value addition of Mushroom is undertaken involving 10 Farmwomen of 2 villages Two training programmes have been conducted involving 50 farm women. The value added products were exhibited in 02 exhibitions involving 04 SHGs.	
			Demonstration on wilt tolerant var. of Tomato	One FLD with 10 farmers & one training programme was conducted involving 25 farmers & farm women of 7 villages. Wilting decreased by 28%.	
			Promotion of FPOs for aggregation of various commodities in order to get better price realization.	KVK formed 1 FPO under RKVY involving 1000 vegetable growers from 15 villages of 9 GPs of Surada. The farmer members are aggregating vegetables at FIG level and transporting those to other markets. Apart from technical backstopping by KVK, the FIGs are supported	

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
				with different technical demonstrations not only from KVK but from line department also through convergence. KVK is also supporting technically, 4 FPOs formed by different CBBOs with financial assistance from NABARD.	
			Popularization of mechanical harvesting of Ragi.	OUAT Ragi thresher cum pearler has been demonstrated in 04 villages involving 44 farmers . The threshing capacity was 70-74kg/ha. which was 85 % more than the conventional method.	
			Demonstration on power weeder in vegetable	Demonstration in 02 ha. area involving 10 farmers in vegetable crops. The labour saving is 36MD/ha. and the hoeing capacity is 0.08ha./hr. Labour requirement decreased by 68% as compared to manual weeding.	

** Salient recommendation of SAC in bullet form*

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 verities of green gram • Improper nutrient management green gram	➢ Varietal substitution ➢ weed management ➢ Pest & diseases management ➢ Integrated nutrient management ➢ Targeting rice fallow
2	Chadheip alli	Aska	Phulasarapalli	Rice,Sugarcane, Blackgram, Greengr m,Groundnut ,Sesamum, Mushroom	• Severe weed incidence in paddy • Low yield in mustard • Use of traditional verities of green gram • Improper nutrient management green gram	➢ weed management ➢ Pest & diseases management ➢ Integrated nutrient management ➢ Targeting rice fallow ➢ Varietal substitution
3	Jagannath prasad	Jagannathprasad	Ekagharia	Rice, Pigeonpea, Greengram, Sesamum, Sugarcane, Groundnut,Vegeta ble	• Severe weed incidence in paddy • Low yield in arhar • Use of traditional verities 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 verities 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.a. District level data on agriculture, livestock and farming situation (2022)

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

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

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
Jhadabhumi	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
Manitara	Buguda	Manitara	40
Balarampur	Surada	Lathipada	35
Golapada	Surada	Golapada	09
Lunijhola	Jagannathprasad		09
Sumantara	Seragada		52

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2022-23) 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 f arming
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
11	11	77	14	8	3	-	37	15	54	23	77	23	22	91	27	11	5	-	146	31	178	42	220

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
90	82	2060	416	176	-	-	956	412	1372	588	1960	930	892	12000	1820	436	68	26	7239	1878	9127	2340	11467

Impact of capacity building											Impact of Extension activities									
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)							
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total	
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
225	165	8	4	-	-	22	6	30	10	40	12000	11467	6	2	-	-	10	6	16	8	24

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
190	185.4	1.0	0.96086

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
0.025	0.025	0.00200	0.00145

* 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	2						
Books							
Bulletins							
News letter	3						
Popular Articles	4						
Book Chapter							
Extension Pamphlets/ literature	3						

Technical reports	18						
Electronic Publication (CD/DVD etc)	2						
TOTAL	34						

1 Achievements on technologies assessed and refined

OFT-1

1.	**Title of On farm Trial**	**Assessment of different Maize hybrids for Rainfed Medium land**
2.	Problem diagnosed	Low yield of maize due to Lack of availability for suitable high yielding varieties
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice (FP):**Cultivation of Maize variety MAHYCO-377 **Technology option-I (TO-I):** Cultivation of Maize variety Kalinga Raj **Technology option-I (TO-II):** Cultivation of Maize variety VNR-4226 (Assessed)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on Maize, 2019
5.	Production system and thematic area	Maize-pulses and varietal evaluation
6.	Performance of the Technology with performance indicators	Given in table
7.	Final recommendation for micro level situation	OFT in first year
8.	Constraints identified and feedback for research	NA
9.	Process of farmers participation and their reaction	Filed visit, interaction, group discussion, problem identified and prioritization

Thematic area: varietal evaluation

Problem definition: Low yield of maize due to Lack of availability for suitable high yielding varieties

Technology assessed:

FP: Cultivation of Maize variety MAHYCO-377

TO-I: Cultivation of Maize variety Kalinga Raj

TO-II: Cultivation of Maize variety VNR-4226 (Assessed)

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
		Cob weight (g/cob)	Cob length (cm)							
FP	7	120.7	16.2			60.1	35200	117916	82716	3.34
TO-I		132.3	18.9			68.3	34100	133612	99512	3.91
TO-II		126.1	17.9			66.4	35200	130240	95040	3.70

OFT-2

1.	**Title of On farm Trial**	**Assessment of water soluble fertilizer in Greengram**
2.	Problem diagnosed	Irrational use of fertilizer in Greengram
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice (FP):** Application of RDF(20-40-40) kg/ha, No foliar application. **Technology option-I (TO-I) :**Application of 75% STBFR + Foliar application of WSF DAP @ 2 % at pre flowering and pod filling. **Technology option-II (TO-II) -** Application of 75% STBFR + Foliar application of WSF 18-18-18 at pre flowering and pod filling. (Assessed)

4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on Mullarp, 2014 and 2017
5.	Production system and thematic area	Rice-pulses and nutrient management
6.	Performance of the Technology with performance indicators	Given in table
7.	Final recommendation for micro level situation	18-18-18 can be used for foliar spray during flowering and pod filling
8.	Constraints identified and feedback for research	NA
9.	Process of farmers participation and their reaction	Filed visit, interaction, group discussion, problem identified and prioritization

Thematic area: Nutrient Management

Problem definition: Irrational use of fertilizer in Greengram

Technology assessed:

FP: Application of RDF(20-40-40) kg/ha, No foliar application.

TO-I: Application of 75% STBFR + Foliar application of WSF DAP @ 2 % at pre flowering and pod filling.

TO-II - Application of 75% STBFR + Foliar application of WSF 18-18-18 at pre flowers and pod filling. (Assessed)

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
		Pods/plant	Seed/pod							
FP	7	15.4	9.0			473.0	23500	36681	13181	1.56
TO-I		23.6	11.6			655.4	25600	50795	25195	1.98
TO-II		20.5	10.3			594.5	24900	46064	21164	1.77

OFT - 3

1.	**Title of On farm Trial**	**Assessment of IPM practice against pod borer complex in pigeonpea**
2.	Problem diagnosed	Defoliation, damaged pod & low yield
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice (FP):** Spraying of Profenofos@1lt./ha **Technology option-I (TO-I):** Azadiractin 0.15% @ 1.5 lt./ha at 50% followed by flubendiamide 48SC @ 200ml/ha. & Bt@ 1kg/ha. at 15 days interval **Technology option-II (TO-II):** Pheromone traps @ 10/ha, Azadiractin 0.15% @ 1.5 l/ha at 50% followed by Profenofos @ 1lt./ha. & Emamectin benzoate @ 200ml/ha. at 15 days interval
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	SLREC,OUAT, 2018 NCIPM, Annual Report,2017-18
5.	Production system and thematic area	IPM
6.	Performance of the Technology with performance indicators	No. of larvae/plant, damaged pod % , Yield (q/ha), B:C ratio,
7.	Final recommendation for micro level situation	NA
8.	Constraints identified and feedback for research	Short duration HYV required
9.	Process of farmers participation and their reaction	Training, Diagnostic field visit, Group discussion

Thematic area: *varietal evaluation*

Problem definition:

Technology assessed: Technology option-I (TO-I): Azadiractin 0.15% @ 1.5 lt./ha at 50% followed by flubendiamide 48SC @ 200ml/ha. & Bt@ 1kg/ha. at 15 days interval

Technology option-II (TO-II): Pheromone traps @ 10/ha, Azadiractin 0.15% @ 1.5 l/ha at 50% followed by Profenofos @ 1lt./ha. & Emamectin benzoate @ 200ml/ha. at 15 days interval

Table:

Technology option	No. of trials	Yield component		Yield (q/ ha	Cost of Cultivation(Rs/ha)	Gross return (Rs/ha)	Net Income (Rs/ha)	BC ratio
		No.of larvae/Plant	Dama-ged pod%					
FP	**7**	4.4	18.6	7.6	30000	45600	15600	1.52
TO1	7	0.5	3.2	10.4	34000	62400	28400	1.83
TO2	7	0.8	5.8	9.2	33000	55200	22200	1.67

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)	**Farmers Practice (FP):** Spraying of Carbandazim@1kg/ha. **Technology option-I (TO-I):** Seed treatment with Carbandazim@2g/kg seed and spray - Copper hydroxide at Boot stage& after 10 days interval@ 1kg/ha. **Technology option-II (TO-II):** Seed treatment Carbandazim@2g/kg seed and application of Trifloxystrobin + Tebuconazole @200gram/ha. at Boot stage& after 10 days interval
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NCIPM, Annual Report,2019 NRRI,Annual Report,2018
5.	Production system and thematic area	IDM
6.	Performance of the Technology with performance indicators	No. of infected grains/panicle, No. of panicles infected/m2, Cost of intervention, additional income over additional investment , Yield (q/ha), B:C ratio,
7.	Final recommendation for micro level situation	Seed treatment Carbandazim@2g/kg seed and application of Trifloxystrobin + Tebuconazole @200gram/ha. at Boot stage& after 10 days interval
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training, Diagnostic field visit, Group discussion

Thematic area: *varietal evaluation*

Problem definition: Discoloration of grain & low yield

Technology assessed: Technology option-I (TO-I): Seed treatment with Carbandazim@2g/kg seed and spray - Copper hydroxide at Boot stage& after 10 days interval@ 1kg/ha.

Technology option-II (TO-II): Seed treatment Carbandazim@2g/kg seed and application of Trifloxystrobin + Tebuconazole @200gram/ha. at Boot stage& after 10 days interval

Table:

Technology option	No. of trials	Yield component		Yield (q/ ha	Cost of Cultivation(Rs/ha)	Gross return (Rs/ha)	Net Income (Rs/ha)	BC ratio
		Affected panicle (%)	Affected grains/Panicle (%)					
FP	**7**	12.4	2.6	40.4	40000	78780	38780	1.97
TO1	7	3.6	0.4	42.8	41000	83460	42460	2.03
TO2	7	2.1	0.2	45.6	42000	88970	46970	2.11

OFT - 5

1.	**Title of On farm Trial**	**Assessment of chilli hybrids for resistance to leaf curl virus**
2.	Problem diagnosed	Low yield due to leaf curl virus disease infection
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice (FP):** Royal Bullet **Technology option-I (TO-I):** Arka Saanvi **Technology option-II (TO-II):** Arka Tanvi
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR Bangalore, 2010 and 2014
5.	Production system and thematic area	Vegetable –vegetable, Varietal evaluation
6.	Performance of the Technology with performance indicators	No. of fruits /plant, Yield of Fruits/plant, % of disease infection
7.	Final recommendation for micro level situation	Arka Sannvi can be recommended for cultivation against leaf curl virus

8.	Constraints identified and feedback for research	Arka Sannvi is light green but dark green colour of chilli fruit is preferred in market
9.	Process of farmers participation and their reaction	Training, demonstration, field visit

Thematic area: *varietal evaluation*

Problem definition: Low yield due to leaf curl virus disease infection
Technology assessed: Technology option-I (TO-I): Arka Saanvi
Technology option-II (TO-II): Arka Tanvi

Table:

Technology option	No. of trials	Yield component		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of fruits/plant	% of leaf curl virus					
FP	7	99.57	20.85	140.85	169,875	422,550	252,675	2.48
TO1	7	141.42	5.14	168.71	169,875	506,130	336,255	2.98
TO2	7	129.28	7.2	156.14	169,875	468,420	298,545	2.75

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, Pod length

7.	Final recommendation for micro level situation	Arka Mangala can be recommended for cultivation by farmer against mosaic virus
8.	Constraints identified and feedback for research	Since Arka Mangala is having light green colour but deep green colour is preferred in market
9.	Process of farmers participation and their reaction	Diagnostic field visit, Method demonstration training

Thematic area: varietal evaluation
Problem definition: Low yield and incidence of cowpea mosaic virus
Technology option-I (TO-I): Arka Mangala

Technology option-II (TO-II): Swarna Harit

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./bed)	Gross return (Rs/bed)	Net return (Rs./bed)	BC ratio
		No. of pods/ plant	Pod Length (cm)	YMV %					
FP	07	71.14	34.4	23.4	156.1	134428	2,34,210	99,782	1.74
TO1	07	92.7	47.3	4.5	187.3	136928	2,80,920	1,43,992	2.10
TO2	07	85.80	41.85	8.1	173.7	135928	2,60,565	1,24,637	1.91

OFT - 7

1.	**Title of On farm Trial**	**Assessment of Value addition of finger millet for enhancing income of SHG**
2.	Problem diagnosed	Limited value addition and distress selling
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice:** Value addition of Finger millet by preparing only powder **Technology option-I (TO-I)**: Value addition of Finger millet by preparing sev **Technology option-II (TO-II):** Value addition of Finger millet by preparing Murukku
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CFTRI,CSIR, Mysore 2014

5.	Production system and thematic area	Homestead condition, Value addition
6.	Performance of the Technology with performance indicators	Sensory parameter, Keeping quality
7.	Final recommendation for micro level situation	Value addition of Finger millet by preparing Murkkufetches high income.
8.	Constraints identified and feedback for research	Colours of value added products are not attractive.
9.	Process of farmers participation and their reaction	Training and Method demonstration

Thematic area: *Value addition*

Problem definition: Limited value addition and distress selling

Technology assessed: **TO1:**.Value addition ofFinger millet by preparing Sev
TO2: Value addition ofFinger millet by preparing Murukku

Table:

Technology option	No. of trials	Sensory Parameter			Cost of cultivation (Rs./kg)	Gross return (Rs/Kg)	Net return (Rs./ha)	BC ratio
		Sensory parameter	Keeping quality					
Farmer Practice	7	5.2	3 months		40	60	20	1.3
To1	7	7.5	1.5 months		93	150	57	1.6
To2	7	8.2	1.5 months		90	175	85	1.94

OFT- 8

1.	**Title of On Farm Trial**	**Assessment of humidity management in paddy straw mushroom production unit in summer season.**
2.	Problem diagnosed	Low yield of paddy straw mushroom due to improper moisture management in production unit.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**TO1:** 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. **TO2 :**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	Mushroom strains suitable for summer season should 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 paddy straw mushroom due to low humidity and environmental rise in temperature

TO1: 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.

TO2: 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	6.7	0.47	75	128	43	1.5
TO1	07	8	12	29	9.5	0.67	80	168	88	2.1
TO2	07	9	13	32	11.5	0.81	82	203	121	2.4

OFT -9

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,	SVVU, Tirupati, 2015-16, NDDB, 2013-14

	please specify)	
5.	Production system and thematic area	semi intensive
6.	Performance of the Technology with performance indicators	Milk yield (lit/day) : FP: 5.13 ± 0.094, TO1: 7.21 ± 0.087, TO2: 7.64 ± 0.107 Avg Fat %: FP: 3.047 ± 0.047, TO1: 4.133 ± 0.052, TO2: 4.912 ± 0.028 Avg SNF %: FP: 7.216 ± 0.039, TO1: 7.423 ± 0.04, TO2: 7.909 ± 0.098
7.	Final recommendation for micro level situation	Bypass fat can be added in case of CB high yielders for milk quality and health management
8.	Constraints identified and feedback for research	Cost of inputs
9.	Process of farmers participation and their reaction	Positive

Thematic area: Production & Management

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

Technology assessed: different fat sources (oil cake and bypass fat) to increase milk yield and milk fat % in case of dairy cows

Table:

Technology option	**No. of trials**	**Yield component**		**% increase (milk)**	**Cost of cultivation production ration per day)**	**Gross return (Rs/day)**	**Net return (Rs./day)**	**BC ratio**
		Avg Milk yield/ day	Avg Fat %					
FP Grazing and Inadequate commercial grain feeding	20	6.13	3.04		73.56	147.12	73.56	2.0
TO1: Grazing and Oil cake feeding as	20	7.21	3.63	17.6	86.52	180.25	93.73	2.08

fat source along with mineral mix								
TO2 :Grazing and Bypass fat feeding as fat source along with mineral mix	20	7.64	4.6	24.6	91.68	229.2	137.52	2.5

OFT-10

1.	**Title of On farm Trial**	**Assessment of feeding pre-treated straws for milk production in dairy animals**
2.	Problem diagnosed	Heavy straw feeding leading to decreases milk production, Oxalate % in straw causing health issues
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Heavy raw straw feeding TO1: Pre-treated straw feeding (Plain water treated) TO2: Pre-treated straw (alkali treated) feeding
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	: NIANP, 2012, ICAR-IARI, 2017-17
5.	Production system and thematic area	semi intensive, free ranging
6.	Performance of the Technology with performance indicators	Milk yield (lit/day) : FP: 3.46, TO1: 4.21, TO2: 4.87
7.	Final recommendation for micro level situation	Alkali treated straw increased the nutritional value and decrease oxalate % of straw
8.	Constraints identified and feedback for research	Packaged alkali powder for straw treatment availability
9.	Process of farmers participation and their reaction	Positive

Thematic area: Production & Management

Problem definition: Heavy straw feeding leading to decreases milk production, Oxalate % in straw causing health issues

Technology assessed: pre-treated straws for milk production in dairy animals

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation production ration per day)	Gross return (Rs/day)	Net return (Rs./day)	BC ratio
		Avg Milk yield/ day								
FP Heavy raw straw feeding	10	3.46,					42	76.12	34.12	1.81
TO1: Pre-treated straw feeding (Plain water treated)	10	4.21					45	101.04	56.04	2.24
TO2 : Pre-treated straw (alkali treated) feeding	10	4.87					48	121.75	73.75	2.53

OFT - 11

1.	**Title of On farm Trial**	**Assessment of the performance of FPOs with varied levels of task and commodity to enhance profitability**
2.	Problem diagnosed	Unorganized farmers fetching low return from the farm produce
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Farmers marketing their produce individually through intermediaries TO1: FPO dealing with a single commodity with a single task i.e., Vegetable/ Pulse/ or

		any other commodity –Marketing TO2: FPO dealing with multi-commodity with single task i.e., Pulses, Vegetable, Enterprises-Marketing. TO3 : FPO dealing with multi-commodity with multi-task i.e., Pulses, Crops Vegetable, Enterprises- sorting, grading, packing, value addition, branding, leveling and marketing
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	MANAGE, 2017-18
5.	Production system and thematic area	Vegetable+ vegetable / Group dynamics
6.	Performance of the Technology with performance indicators	FPOs dealing with multi-commodity with multi-task are found to be more beneficial for the farming community
7.	Final recommendation for micro level situation	Government should take initiatives to promote FPOs dealing multi commodity & multi tasking
8.	Constraints identified and feedback for research	The personnel engaged in FPOs are lacking with professional experience and exposure
9.	Process of farmers participation and their reaction	Farmers are quite interactive and freely shared their experience with respective FPOs

Thematic area: Group dynamics

Problem definition: Unorganized farmers fetching low return from the farm produce

Technology assessed: performance of FPOs with varied levels of task and commodity to enhance profitability

Table:

Results	*1 (%)	*2 (%)	*3 (%)	*4 (%)	*5 (%)	*6 (%)
FP : Farmers marketing their produce individually through intermediaries	23.33	33.33	36.67	26.67	20.00	10.00

TO1: FPO dealing with a single commodity with a single task i.e., Vegetable/ Pulse/ or any other commodity –Marketing	60.00	50.00	43.33	40.00	40.00	43.33
TO2: FPO dealing with multi-commodity with single task i.e., Pulses, Vegetable, Enterprises-Marketing.	66.67	60.00	53.33	46.67	50.00	53.33
TO3: FPO dealing with multi-commodity with multi-task i.e., Pulses, Crops Vegetable, Enterprises- sorting, grading, packing, value addition, branding, leveling and marketing	93.33	83.33	66.67	63.33	93.33	90.00

***Observation Parameters: 1. A farmer to become a member 2. Contribution for share capital, 3. Better business planning, 4. Access to technology, 5. Access to inputs in time, 6. Better marketing facility**

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Rice (direct seeded)	Weed management	Bispyribac Na @ 7 DAS +Ethoxysulfuron@ 21 DAS	2.0	2.0	2				8		10		10	

2.	Rice (transplanted)	Weed management	Fenoxaprop-p-ethyl+ethoxysulfuron at 15 DAT	2.0	2.0	4				6		10		10	
3.	Ragi	Varietal evaluation	Cultivation of var. Arjuna (OEB 526)	2.0	2.0	3				7		10		10	
4	Sesame	INM	STBFR + Bio-inoculation of Azotobacter + Azospirillum + PSB	2.0	1.0					10		10		10	
5	Brinjal	Varietal evaluation	Brinjal var. Swarna Shyamali , green with white stripe, round, weight 150 to 200 gm and tolerant to bacterial wilt	1.0	1.0	1				9		10		10	
6	Chilli	ICM	Spray of Triacontanol @ 1.25ml/liter at 40, 60 and 80th days of planting.	1.0	1.0					10		10		10	
7	Tomato	Varietal evaluation	Arka Rakshak-High yielding F1 hybrid with triple resistant to ToLCV, BW & Early blight,. Yield- 100 t/ha in 140-150 days	1.0	1.0	10						10		10	
8	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	4				6		10		10	
9	Yam	IDM	Tuber treatment with Carbandazim @ 2gram/lt, band placement of Trichoderma 2.5 kg + 30 kg vermicompost/ha. ,Carbandazim @ 1kg/ha 04 times at 15 days	2.0	2.0	2				8		10		10	

			interval													
10	Maize	IPM	Neem pesticide(1500ppm) @ 1.5 lt./ha. at 20 DAS, Trichogamma @ 50000eggs/ha., Chlorpyriphos + cypermethrin @ 1lt./ha., Beauvaria bassiana @ 2kg/ha at tassel stage.	2.0	2.0	3				7		10		10	
11	Ragi	IDM	Spraying of NSKE @ 5%. at 35 DAT	2.0	2.0	2				8		10		10	
	Total			**18.0**	**17.0**	**31**	**0**	**0**	**0**	**79**	**0**	**110**	**0**	**110**	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Rice (direct seeded)	Kharif, 2022	Rainfed	Sandy loam	198.6	15.3	298.5	Greren gram	20.6.2022	1.11.2022		
Rice (transplanted)	Kharif, 2022	Rainfed	Sandy loam	210.3	18.6	225.4	Ground nut	11.8.2022	29.12.2022		
Ragi	Kharif, 2022	Rainfed	Sandy loam	225.3	17.4	226.3	Ground nut	10.7.2022	25.10.222		

Sesame	Rabi, 2022	Irrigated	Sandy loam	145.3	21.0	285.1	Rice	12.2.2023	Not harvested		
Brinjal	Kharif 2022	Irrigated	Sandy loam	156.4	9.2	119.4	Vegetable	20.8.2022	15.11.2022		
Chilli	Kharif 2022	Irrigated	Sandy loam	167.4	8.3	117.7	Vegetable	16.8.2022	20.11.2022		
Tomato	Rabi 2022	Irrigated	Loamy	147.4	10.2	126.8	Rice	29.11.2022	28.2.2022		
Bitter gourd	Rabi 2022	Irrigated	Loamy	178.4	8.4	329.3	Rice	15.12.2022	14.2.2022		
Yam	Kharif, 2022	Rainfed	Sandy loam	172.0	19.2	144.6	Fallow	10.06.22	18.12.2022		
Maize	Kharif, 2022	Rainfed	Sandy loam	220.0	21.4	132.6	Blackgram	20.06.2022	30.09.2022		
Ragi	Kharif, 2022	Rainfed	Clay loam	112.4	24.2	128.4	Fallow	12.06.2022	28.09.2022		

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

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

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

** BCR= GROSS RETURN/GROSS COST

Pulses

Frontline demonstration on pulse crops

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

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

** BCR= GROSS RETURN/GROSS COST

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Rice (direct seeded)	Weed management	Bispyribac Na @ 7 DAS+ Ethoxysulfuron @ 21 DAS	10	2	25.4	30.5	20.0	WI(%) 8.9	23.5	29800	59170	29370	1.98	32400	49276	16876	1.52
Rice (transplanted)	Weed management	Fenoxaprop-p-ethyl+ethoxysulfuron at 15 DAS	10	2	40.5	36.3	11.5	WI(%) 7.2	19.3	35800	78900	43100	2.20	35800	67285	31285	1.79
Ragi	Varietal evaluation	Cultivation of var. Arjuna (OEB 526)	10	2	11.1	17.3	55.9	No of fingers/earhead 9.3	5.5	26300	58422	32122	2.22	23200	37485	14285	1.61

Sesame	Nutrient management	STBFR+Bioinoculation of Azotobacter+PSB+Azospirillium	10	2				Cont…								
Brinjal	Varietal evaluation	Demonstration on brinjal variety Swarna Shyamali	10	1.0	282.6	239.84	17.84	No. of fruit/plant 45.44	No. of fruit/plant 32.7	176,525	423,900	247,375	2.4	175,525	359,700	184,175	2.04
Chilli	ICM	Demonstration on growth regulator application in chilli	10	1.0	141.3	122.	15.72	No. of fruit/plant 134.2	No. of fruit/plant 110.7	155,375	423,900	268,525	2.72	153,875	366,300	212,445	2.38
Tomato	Varietal evaluation	Demonstration on tomato hybrid Aka Rakshak	10	1.0	395.3	332.8	18.98	No. of fruit/plant 38.2	No. of fruit/plant 24.9	166,166	395,300	229,134	2.37	167,166	332,800	165,634	2.0
Bitter gourd	INM	Demonstration on INM in bitter gourd	10	1.0	149.4	126.9	17.73	No. of fruit/plant 43.6	No. of fruit/plant 33.8	142,288	298,800	156,512	2.1	140,038	253,800	113,762	1.81

Yam	Disease Management	Tuber treatment with Carbandazim @ 2gram/lt, band placement of Trichoderma 2.5 kg + 30 kg vermicompost/ha. ,Carbandazim @ 1kg/ha 04 times at 15 days interval		2	254.6	222.4	14.4	No.of affected plants/ 100 m^2 3.2	No.of affected plants/ 100 m^2 12.4	116000	254400	138400	2.19	110000	222400	112400	2.02
Maize	Pest management	Neem pesticide(1500ppm) @ 1.5 lt./ha. at 20 DAS, Trichogamma @ 50000eggs/ha., Chlorpyriphos + cypermethrin @ 1lt./ha., Beauvaria bassiana @ 2kg/ha at tassel stage.	10	2	42.4	35.8	18.4	infested plant/25 m^2, 3.6	infested plant/ 25 m^2, 24.6	37000	76320	39320	2.06	34000	64440	30440	1.89
Ragi	Disease management	Spraying of NSKE @ 5%. at 35 DAT	10	2	11.6	9.4	23.4	Dead heart%- 2.6	Dead heart %- 12.8	32000	58000	26000	1.81	29000	47000	18000	1.62
	Total		100	18													

Livestock

Category	Thematic	Name of the technology	No. of	No. of	Major parameters	% change	Other parameter	*Economics of demonstration (Rs.)	*Economics of check (Rs.)

	area	demonstrated	Farmer	units	Demonstration	Check	in major parameter	Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry	LPM	Demo on low input poultry breed kadaknath in backyard rearing system	10	10	Mortality 2%	Mortality 18%	16	Avg Body wt 1.398kg	Avg Body wt 0.921kg	6425	27249	20824	3.2	6270	15065	8795	2.4
Rabbitry																	
Pigerry																	
Sheep and goat	LPM	Demonstration on rotation of bucks combined with periodic deworming vaccination and supplementation for herd improvement	5	10	Birth wt of kids: 1.82kg	Birth wt of kids : 2.51kg	37.91	Avg wt (90 days):4.34 kg Avg wt (180 days): 6.14kg	Avg wt (90 days):6.32kg Avg wt (180 days): 9.22kg	6000	27660	21660	4.61	5400	14736	9336	2.73

Duckery																	
Others (Fodder, Hybrid napier, CO4)	LPM	Demo. on perennial fodder production in dairy nutritional management	5	5	6.54 ± 0.18 lit Avg. milk yield (90 days)	6.02 ± 0.16 lit Avg. milk yield (90 days)	8.3	Yield nil	Yield 30t/ha	4500	14625	10125	3.25	9000	12960	3960	1.44
Others (Hydroponic Maize fodder for Goat Kid)	LPM	Demonstration demonstrate-ion on hydroponic maize fodder for improved performance in goat kid	5	5	Cont…												
Total			25	30													

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

Fisheries

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

Mussels																	
Ornamental fishes																	
Others (pl. specify)																	
	Total																

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

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Others (Value addition of Oyster mushroom)	Value addition of oyster mushroom by preparing pickle	10	100 kg	4.5	10		Keeping quality 180 days	2 days	540	1350	810	2.5	400	600	200	1.5
Nutritional garden	Nutritional garden withprotein, vitamin and iron richedvegetables and fruits throughout the year on consumer preferences	10	0.2	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

Blue Oyster Mushroom cultivation	Cultivation of Blue Oyster mushroom Var. *Hipsizygusulmarius*	10	300 bags	Yield Kg/bag 2.2	Yield Kg/bag 1.5	29.3	Biological Efficiency (%) 110.2	Biological Efficiency (%) 75.4	32	132	100	4.1	32	90	58	2.8
Vermicompost	Vermicomposting by using spent mushroom straw	10	10 pits	4 Qtl/pit	2 Qtl/pit	50	Conversion period (days) 88	Conversion period (days) 290	2150	6150	4000	2.85	400	550	150	1.3
Sericulture																
Apiculture	Honey bee	5	5 units		5.2kg / box	100	No, 0f new colony - 01	-	1700	3600	1900	2.12	-	-	-	-
Others (pl. specify)																
Total		35														

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

Women empowerment

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

Neonatal					
Infants					

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demonstration	Check									
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

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

Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total										
Fodder crops	Hybrid napier CO4		2.5ha	0	30t/ha	100	4500	14625	10125	3.25
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Brinjal	Presence of spine on leaf and fruit of var. Swarna Shamali result difficulty in harvesting
2	Tomato	Arka Rakshak fruit is oval shape but round shape fruit are preferred in local market
3	Nutritional garden	It is a sustainable model for nutritional security at family level
4	Vermi compost from spent mushroom straw	It is a waste management techniques that decomposes solid waste in ecofriendly way.
5	Blue oyster mushroom	High biological efficiency with good taste, keeping quality.
6	Pickle from oyster mushroom	Fetching good income, keeping quality, taste, and flavor are appreciable.
7	Kadaknath as backyard poultry	Heat, disease resistance, low mortality, good scavenging, production parameters
8	Fodder CO4	Improved milk production, reduction in production cost
9	Rotation of bucks	Improved herd quality, low kid mortality, increase body wt. gain

Extension and Training activities under FLD Brinjal

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	18.6.2022 and 3.8.2022	2	50	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD Chilli

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	16.7.2022	1	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD Tomato

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	12.7.2022	1	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD Bitter gourd

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	14.10.2022	1	25	
3.	Media coverage				
4.	Training for extension				

	functionaries				

Extension and Training activities under FLD Nutritional garden

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	08.06.2022	2	25	
3.	Media coverage	17.09.2021	5	100	Celebration of PoshanMahh.
4.	Training for extension functionaries	17.09.2021	5	100	Celebration of PoshanMahh.

Extension and Training activities under FLD Blue Oyster Mushroom cultivation

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	14.12.2022	1	50	
2.	Farmers Training	21.11.2022	2	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD Vermicompost using spent mushroom straw

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	17.08.2022	2	25	
3.	Media coverage				
4.	Training for extension functionaries				

Performance of the demonstration under CFLD on Pulse (Pigeonpea) Crops during Kharif 2022

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Pigeonpea	Kathi Kandula (Local Var.)	11.50	1220	1022	2000	BRG-5 -Line sowing of seed with spacing 75cmx60cm. Seed treatment with Vitavax power (Carboxin 37.5% + Thiram 37.5% DS) @ 2.5gms per kg of seed. -Application of Tricho Card @ 15/ ha. -Spraying of Thiamethoxam 25%WG @ 150gram/ ha. to control aphid/thrip population.	25	10	16.4	12.5	14.14	15.9	38.35	

							- Application of Water soluble fertilizer (N:P:K - 19:19:19) @ 2.5kg/ha. -Spraying of Neem pesticide (1500ppm)l @1.5 lt./ ha. before pod initiation stage and application of Profenophos (@1lt./ha. to control pod borer infestation.								

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
1.	HYV of Pigeonpea :BRG-5 - Line sowing of seed with spacing 75cmx60cm. Seed treatment with Vitavax power (Carboxin 37.5% + Thiram 37.5% DS) @ 2.5gms per kg of seed. - Application of Tricho Card @ 15/ ha. -Spraying of Thiamethoxam	26400	57500	31100	2.17	29600	70700	41100	2.38

	25%WG @ 150gram/ha. to control aphid/thrip population. - Application of Water soluble fertilizer (N:P:K - 19:19:19) @ 2.5kg/ha. -Spraying of Neem pesticide (1500ppm)l @1.5 lt./ ha. before pod initiation stage and application of Profenophos (@1lt./ha. to control pod borer infestation.								

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1.	HYV of Pigeonpea :BRG-5 .	14140	505.6	50	500	1000	Purchase of critical inputs for farm activities and household expenses	62

D. Pulse Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1.	HYV of Pigeonpea :BRG-5 - Line sowing of seed with	Recommended variety and pest management practices is suitable to the farming	-Bold seed -More no of pod per plant and seeds /pod - Less incidence	Seed treatment, line sowing, weed management and control of aphid	-	Yes, the technology and recommended variety is acceptable by the villagers/beneficiaries	Improved seeds should be made available through PACs

	spacing 75cmx60cm. Seed treatment with Vitavax power (Carboxin 37.5% + Thiram 37.5% DS) @ 2.5gms per kg of seed. - Application of Tricho Card @ 15/ ha. -Spraying of Thiamethoxam 25%WG @ 150gram/ha. to control aphid/thrip population. - Application of Water soluble fertilizer (N:P:K - 19:19:19) @ 2.5kg/ha. -Spraying of Neem pesticide (1500ppm)l @1.5 lt./ ha. before pod initiation stage and application of Profenophos (@1lt./ha. to control pod borer infestation.	system	of fusarium wilt during pod developme nt stage	infestation practices			

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
High yielding variety (q/ha)	14.14	11.5	Pigeon pea BRG-5 is liked by the farmers due to its higher productivity, vigorous crop growth and moreover tolerant to fusarium wilt.
Avg. No. of Pod/Plant	122	87	
100 seed weight (gm)	9.11	7.80	

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Method demonstration	10.08.2022, Neliguda Surada	18
2.	Training on Scientific cultivation practices	11.09.2022, Neliguda Surada	22
3.	Diagnostic field visit	20.11.2022, Neliguda Surada	15
4.	Field Day	03.02.2023, Neliguda Surada	50

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

H. Farmers' training photographs

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

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Pigeonpea	i) Critical input	81000	81000	-
	ii) TA/DA/POL etc. for monitoring	1000	1000	-
	iii) Extension Activities (Field day)	7000	7000	-
	iv)Publication of literature	1000	1000	-
	Total	**90000**	**90000**	-

Performance of the demonstration under CFLD on Pulse (Greengram) Crops during Rabi 2022-23:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
	Greengram	PDM-139	5.32	4.6	4.8	10.0	Improved Seed Var. *IPM 2-14* treated with Rhizobium @ 20 gm./ 1 Kg. of seed before one hour of sowing. Application of Water soluble fertilizer	50	20	8.1	5.9	7.13	54.35	47.92	

							(N:P:K - 19:19:19) @ 05 gm./ lt. after 25& 40 DAS. Yellow sticky trap@ 50/ha. Spraying of Thiamethoxam @ 150 gm/ ha. for sucking pests, Profenofos@ 1lt./ha for pod borer								

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	Improved Seed Var. *IPM 2-14* treated with Rhizobium @ 20 gm./ 1 Kg. of seed before one hour of sowing. Application of Water soluble fertilizer (N:P:K - 19:19:19) @ 10 gm./ lt. after 25 DAS. Spraying of Thiamethoxam @ 150 gm/ ha.	16500	26600	10100	1.61	19500	35650	16150	1.83

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Greengram Var. *IPM 2-14*	14260	239.2	50	1000	1500	-For next season crop - Household expenses - Children's education	48/Household

D. Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1. 2. 3.	-Improved seed Var*: IPM 2-14* -Seed treatment with Rhizobium - Application of Water soluble fertilizer (N:P:K - 19:19:19) Yelow sticky trap&Spraying of Thiamethoxam for controlling sucking pest,	Greengram is a major crop of the district and is cultivated in 1.5 lakh ha. This variety is very much suitable to the existing farming system	-Farmers preferred the bold and green color of the seed -They are quite satisfied with the aroma of the dal prepared from the seed -Most significantly they preferred the variety	All inputs recommended are affordable	-	Yes	Plant protection chemicals & Rhizobium must be available on subsidized rate at block level so that all the farmers can afford it.

	Profenofos for pod borer		due to its tolerance to YMV				

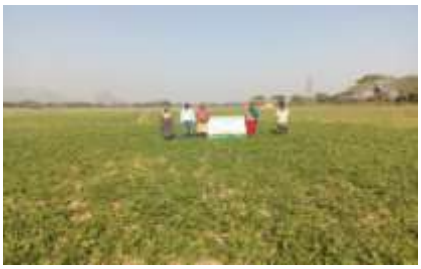
E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
It is tolerant to YMV	-	16.4	YMV is a major challenge in Greengram. This new var. is performing well as its tolerant to YMV
No. of pods are more	13.8	7.3	Pods are bigger in size as compared to existing var. and no. of pods are more
High yielding	7.13	5.32	

F. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Group meeting	4.12.22 (Chadhipalli) 7.12.22 (Sindhukrupa)	22, 26 Total: 48
2	Diagnostic field visit	05.01.23 (Chadhipalli) 17.01.23 (Sindhukrupa)	18,15 Total: 33
3	Method demonstration	14.12.23 (Chadhipalli) 16.12.23 (Sindhukrupa)	26,34 Total: **6**0
4	Field Day	24.03.23 (Chadhipalli)	50

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


9. Farmers' training photographs

10. Quality Photographs of field visits/field days and technology demonstrated.

11. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	
Greengram(20ha.)	i) Critical input	162000	
	ii) TA/DA/POL etc. for monitoring	7000	
	iii) Extension Activities (Field day)	9000	
	iv)Publication of literature	1000	
	Total	180000	

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

A) Farmers and farm women (on campus)

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management	4	60	10	70	15	15	30	0	0	0	75	25	100
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total	**4**	**60**	**10**	**70**	**15**	**15**	**30**	**0**	**0**	**0**	**75**	**25**	**100**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off season vegetables													
Nursery raising	1	25	0	25	0	0	0	0	0	0	25	0	25
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others	3	52	15	67	8	0	8	0	0	0	60	15	75
Total (a)	**4**	**77**	**15**	**92**	**8**	**0**	**8**	**0**	**0**	**0**	**85**	**15**	**100**
b) Fruits													

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
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products	1	13	12	0	0	0	0	0	0	0	13	12	25
Others													
Total	**1**	**13**	**12**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**13**	**12**	**25**
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies	1		23	23		1	1		1	1		25	25
Rural Crafts													
Women and child care													
Others													
Total	**1**		**23**	**23**		**1**	**1**		**1**	**1**		**25**	**25**
VI. Agril. Engineering													
Farm machinery & its maintenance													

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
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management	4	43	23	66	22	12	34	0	0	0	65	35	100
Integrated Disease Management	2	27	8	35	10	5	15	0	0	0	37	13	50
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	**6**	**70**	**31**	**101**	**32**	**17**	**49**	**0**	**0**	**0**	**102**	**48**	**150**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and													

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
fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**16**	**220**	**91**	**286**	**55**	**33**	**88**	**0**	**1**	**1**	**275**	**125**	**400**

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	15	0	15	0	0	0	0	0	0	15	0	15
Training and pruning of orchards													
Protected cultivation of vegetable crops	1	15	0	15	0	0	0	0	0	0	15	0	15
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	1	8	7	15		0	0	0	0	0	8	7	15
Planting material production													
Vermiculture	2	10	5	15	7	8	15	0	0	0	17	13	30
Mushroom Production	1	7	7	14		1	1	0	0	0	7	8	15
Beekeeping	1	7	1	8	6	1	7	0	0	0	13	2	15
Sericulture													
Repair and maintenance of farm machinery and implements (Orientation and awareness programme on Custom hiring	1	10		10	5	0	5	0	0	0	0	15	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
centres for betterment of farming community)													
Value addition	1	9	5	14		1	1				6	9	15
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing	1	5	5	10	4	1	5	0	0	0	9	6	15
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	12	3	15	0	0	0	0	0	0	12	3	15
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Plant products & ITKs for pest control	1	7	2	9	4	2	6				11	4	15
Total	**12**	**105**	**35**	**140**	**22**	**16**	**36**	**6**	**0**	**0**	**113**	**67**	**180**

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	1	7	2	9	4	2	6	0	0	0	11	4	15
Integrated Nutrient management													
Rejuvenation of old orchards	1	11	4	15	0	0	0	0	0	0	114	4	15
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm													

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
machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care	1		13	13		2	2					15	15
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers	1	7	8	15	0	0	0	0	0	0	7	8	15
Capacity building for ICT application (ICT-led knowledge management and usage patterns in Agriculture)	1	6	3	9	4	2	6				10	5	15
Management in farm animals	1	13	1	14	1	0	1	0	0	0	14	1	15
Livestock feed and fodder production													
Household food security	1		13	13		1	1		1	1		15	15
Other													
Total	**7**	**44**	**44**	**88**	**9**	**7**	**16**	**0**	**1**	**1**	**156**	**52**	**105**

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	3	45	10	55	10	10	20	0	0	0	55	20	75
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management	2	20	4	24	16	4	20	4	2	6	40	10	50
Soil & water conservation								0	0	0			
Integrated nutrient Management	2	15	10	25	12	13	25	0	0	0	27	23	50
Production of organic inputs													
Others													
Total	**7**	**80**	**24**	**104**	**38**	**27**	**65**	**4**	**2**	**6**	**122**	**53**	**175**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off season vegetables	2	37	7	44	6	0	6	0	0	0	43	7	50
Nursery raising													
Exotic vegetables													
Export potential vegetables													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Grading and standardization													
Protective cultivation													
Others	5	15	7	22	47	14	51	32	10	42	94	31	125
Total (a)	**7**	**52**	**14**	**66**	**53**	**14**	**57**	**32**	**10**	**42**	**137**	**38**	**175**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management	2	21	8	29	11	6	17	0	0	0	32	11	43
Poultry Management	2	15	6	21	11	7	18	0	0	0	26	21	47
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management	1	22	5	27	9	7	16	0	0	0	31	10	41
Feed & fodder technologies	2	19	6	25	17	7	24	0	0	0	36	8	44
Production of quality animal products													
Others sheep goat management	2	10	2	12	32	4	36	0	0	0	42	8	50
Total	**9**	**87**	**27**	**114**	**80**	**31**	**111**	**0**	**0**	**0**	**167**	**58**	**225**
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1		25	25	0	0	0	0	0	0	0	25	25
Design and development of low/minimum cost diet	1		18	18	0	7	7	0	0	0	0	25	25
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition	3	0	44	44	0	31	31	0	0	0	0	75	75
Women empowerment	4	0	66	66	0	34	34	0	0	0	0	100	100
Location specific drudgery													

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
reduction technologies													
Rural Crafts													
Women and child care													
Others(Cultivation of Different Biofertified vegetable)	1	0	10	10	0	13	13	0	2	2	0	25	25
Total	**10**	**0**	**163**	**163**	**0**	**85**	**85**	**0**	**2**	**2**	**0**	**250**	**250**
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management	3	45	13	58	11	6	17	0	0	0	56	19	75
Integrated Disease Management	3	29	19	48	17	10	27	0	0	0	46	29	75
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	**6**	**74**	**32**	**106**	**28**	**16**	**44**	**0**	**0**	**0**	**102**	**48**	**150**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development	1	11	6	17	5	3	8	0	0	0	16	9	25
Group dynamics	4	38	20	58	30	12	42	0	0	0	68	32	100
Formation and Management of SHGs	1	9	5	14	7	4	11	0	0	0	16	9	25
Mobilization of social capital	2	24	6	30	11	9	20	0	0	0	35	15	50
Entrepreneurial development of farmers/youths	2	18	7	25	10	15	25	0	0	0	28	22	50
WTO and IPR issues													
Others (ICM)	2	23	10	33	12	5	17	0	0	0	35	15	50
Total	**12**	**123**	**54**	**177**	**75**	**48**	**123**	**0**	**0**	**0**	**198**	**102**	**300**
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**51**	**416**	**314**	**730**	**274**	**221**	**491**	**36**	**14**	**50**	**726**	**549**	**1275**

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													

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

F) Extension Personnel (Off Campus)

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

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

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	3	45	10	55	10	10	20	0	0	0	55	20	75
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management	6	80	14	94	31	19	50	4	2	6	115	32	150
Soil & water conservation													
Integrated nutrient	2	15	10	25	12	13	25	0	0	0	27	23	50

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Management													
Production of organic inputs								0	0	0			
Others													
Total	**11**	**140**	**34**	**174**	**53**	**42**	**95**	**4**	**2**	**6**	**197**	**75**	**275**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off-season vegetables	4	37	7	44	15	41	56	0	0	0	52	48	100
Nursery raising	1	25	0	25	0	0	0	0	0	0	25	0	25
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others	6	58	12	70	40	22	62	10	8	18	108	42	150
Total (a)	**11**	**120**	**19**	**139**	**55**	**63**	**118**	**10**	**8**	**18**	**185**	**90**	**275**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management	2	21	10	31	11	8	19	0	0	0	32	18	50
Poultry Management	2	15	6	21	11	18	29	0	0	0	26	24	50
Piggery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease Management	1	8	4	12	9	4	13	0	0	0	17	8	25
Feed & fodder technologies	2	19	7	26	17	7	24	0	0	0	36	14	50
Production of quality animal products	1	13	12	0	0	0	0	0	0	0	13	12	25
Others (sheep & Goat farming)	2	10	2	12	32	4	38	0	0	0	42	8	50
Total	**10**	**86**	**41**	**102**	**80**	**41**	**123**	**0**	**0**	**0**	**166**	**84**	**250**
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1		25	25								25	25
Design and development of low/minimum cost diet	1		18	18		7	7					25	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition	3		44	44		31	31					75	75
Women empowerment	4		66	66		34	34					100	100
Location specific drudgery reduction technologies	1		19	19		5	5		1	1		25	25
Rural Crafts													
Women and child care													
Others(Cultivation of Different Biofertified vegetable)	1		10	10		13	13		2	2		25	25
Production of bio control agents and bio pesticides													
Others													
Total	**11**		**182**	**182**		**87**	**87**		**3**	**3**		**275**	**275**
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management	7	88	36	124	33	18	51	0	0	0	121	54	175
Integrated Disease Management	5	56	27	83	27	15	42	0	0	0	83	42	125
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	**12**	**144**	**63**	**207**	**60**	**33**	**93**	**0**	**0**	**0**	**204**	**96**	**300**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development	1	11	6	17	5	3	8	0	0	0	16	9	25
Group dynamics	4	38	20	58	30	12	42	0	0	0	68	32	100
Formation and Management of SHGs	1	9	5	14	7	4	11	0	0	0	16	9	25
Mobilization of social capital	2	24	6	30	11	9	20	0	0	0	35	15	50
Entrepreneurial development of farmers/youths	2	18	7	25	10	15	25	0	0	0	28	22	50
WTO and IPR issues													
Others (ICM)	2	23	10	33	12	5	17	0	0	0	35	15	50
Total	**12**	**123**	**54**	**177**	**75**	**48**	**123**	**0**	**0**	**0**	**198**	**102**	**300**
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**67**	**636**	**405**	**1016**	**329**	**254**	**579**	**36**	**15**	**51**	**1001**	**674**	**1675**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	15	0	15	0	0	0	0	0	0	15	0	15
Training and pruning of orchards													
Protected cultivation of vegetable crops	1	15	0	15	0	0	0	0	0	0	15	0	15
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	1	8	7	15		0	0	0	0	0	8	7	15
Planting material production													
Vermiculture	2	10	5	15	7	8	15	0	0	0	17	13	30
Mushroom Production	1	7	7	14		1	1				7	8	15
Beekeeping	1	7	1	8	6	1	7	0	0	0	13	2	15
Sericulture													
Repair and maintenance of farm machinery and implements (Orientation and awareness programme on Custom hiring centres for betterment of farming community)	1	10		10	5	0	5	0	0	0	0	15	15
Value addition	1	9	5	14		1	1				6	9	15
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing	1	5	5	10	4	1	5	0	0	0	9	6	15
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	12	3	15	0	0	0	0	0	0	12	3	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
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Plant products & ITKs for pest control	1	7	2	9		4	2	6			11	4	15
Total	**12**	**105**	**35**	**140**	**22**	**16**	**36**	**6**	**0**	**6**	**113**	**67**	**180**

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	1	7	2	9	4	2	6	0	0	0	11	4	15
Integrated Nutrient management													
Rejuvenation of old orchards	1	11	4	15	0	0	0	0	0	0	114	4	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	1		13	13		2	2					15	15
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers	1	7	8	15	0	0	0	0	0	0	7	8	15
Capacity building for ICT application (ICT-led knowledge management and usage patterns in Agriculture)	1	6	3	9	4	2	6				10	5	15
Management in farm animals	1	13	1	14	1	0	1	0	0	0	14	1	15
Livestock feed and fodder production													
Household food security	1		13	13		1	1		1	1		15	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
Other													
Total	**7**	**44**	**44**	**88**	**9**	**7**	**16**	**0**	**1**	**1**	**156**	**52**	**105**

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
Crop Production	F/FW	INM in sunflower	1	Off	18	7	25	6	4	10
Crop Production	F/FW	IWM in rice	1	Off	20	5	25	6	0	6
Crop Production	F/FW	IWM in DSR	2	Off	35	15	50	4	10	14
Crop Production	F/FW	ICM in ragi	1	Off	18	7	25	8	5	13
Crop Production	F/FW	ICM in maize	1	On	19	6	25	4	3	25
Crop Production	F/FW	ICM in Ragi	1	On	19	6	25	4	4	8
Crop Production	F/FW	INM in greengram	1	Off						
Crop Production	F/FW	ICM in ground nut	1	On	18	7	25	3	4	7
Crop Production	F/FW	ICM inblackgram	1	Off	18	7	25	8	7	15
Crop Production	F/FW	ICM in blackgram	1	On	19	6	25	4	4	z8
Crop Production	RY	Vermicomposting	1	On	17	13	30	7	8	15
Crop Production	IS	Artificial intelligence in crop production	1	On	7	8	15	0	0	0
Plant Protection	F/FW	Management of major diseases in chilli	1	On	17	8	25	5	3	8
Plant Protection	F/FW	Management of major insect pest of cashew nut	1	Off	19	6	25	4	2	6
Plant Protection	F/FW	Integrated Pest Management in sesame	1	On	16	9	25	5	2	7
Plant Protection	F/FW	Management of major diseases in Yam	1	Off	15	10	25	6	3	9
Plant Protection	F/FW	Management of fall army worm in Maize	1	Off	19	6	25	3	2	5
Plant	F/FW	Integrated Pest	1	On	14	11	25	6	4	10

Protection		Management in Rice								
Plant Protection	F/FW	Integrated Disease Management in Ragi	1	Off	15	10	25	6	5	11
Plant Protection	F/FW	Integrated disease Management in Rice	1	Off	16	9	25	5	2	7
Plant Protection	F/FW	Integrated Pest Management in pigeonpea	1	On	15	10	25	6	3	9
Plant Protection	F/FW	Management of diseases in Brinjal	1	On	20	5	25	5	2	7
Plant Protection	F/FW	Integrated Pest Management in cauliflower	1	Off	18	7	25	4	2	6
Plant Protection	F/FW	Integrated Pest Management in mango	1	On	20	5	25	5	3	8
Plant Protection	RY	Honey bee rearing	2	On	13	2	15	6	1	7
Plant Protection	RY	Role of plant products & ITKs for pest control	2	On	12	3	15	5	1	6
Plant Protection	IS	Role of new generation pesticide for pest control	1	On	11	4	15	4	2	6
Horticulture	Farmers/ FW	Package of practices for brinjal cultivation	1	On campus	21	4	25	0	0	0
Horticulture	Farmers/ FW	Off season tomato cultivation	1	Off campus	18	7	25	0	0	0
Horticulture	Farmers/ FW	Agro techniques of chilli cultivation	1	On campus	19	6	25	4	0	4
Horticulture	Farmers/ FW	Offseason cauliflower cultivation	1	Off campus	25	0	25	6	0	6
Horticulture	Farmers/ FW	INM in cole crops	1	Off campus	17	8	25	9	1	10
Horticulture	Farmers/ FW	Quality seedling production of vegetable in portray	1	On campus	25	0	25	0	0	0
Horticulture	Farmers/ FW	Agro techniques for bitter gourd cultivation	1	Off campus	12	13	25	10	13	25
Horticulture	Farmers/ FW	Use of growth regulator in vegetable	1	On campus	20	5	25	4	0	4
Horticulture	RY	Grafting techniques in solanaceous crop	2	On campus	15	0	15	0	0	0
Horticulture	RY	Modern techniques for cultivation of apple ber	2	On campus	15	0	15	0	0	0
Horticulture	Farmers/ FW	Use of growth regulator in vegetable	1	Off campus	25	0	25	25	0	25
Horticulture	Farmers/	Package of practices	1	Off	12	13	25	12	13	25

	FW	for brinjal cultivation		campus						
Horticulture	Farmers/ FW	Off season tomato cultivation	1	Off campus	3	22	25	3	22	25
Horticulture	Farmers/ FW	Off season cauliflower cultivation	1	Off campus	6	19	25	6	19	25
Horticulture	Farmers/ FW	INM in cole crops	1	Off campus	8	17	25	8	17	25
Horticulture	IS	Canopy management in mango plantation	1	On campus	11	4	15	3	2	15
Home Science	F/ Fw	Design and development of low/minimum cost diet	1 day	Off		25	25		7	7
Home Science	F/ Fw	Moisture management in paddystraw mushroom unit	1 day	Off		25	25		8	8
Home Science	F/ Fw	Value addition of mango	1 day	Off		25	25		11	11
Home Science	F/ Fw	Planning and layout of kitchen garden	1 day	Off		25	25			
Home Science	F/ Fw	Use of agricultural tools and implements for drudgery reduction	1 day	On		25	25		6	6
Home Science	F/ Fw	Cultivation of biofertified vegetable	1 day	Off		25	25		15	15
Home Science	F/ Fw	Cultivation practices of paddystraw mushroom	1 day	Off		25	25		9	9
Home Science	F/ Fw	Value addition of Ragi	1 day	Off		25	25		9	9
Home Science	F/ Fw	Vermi composting by use of spent mushroom straw	1 day	Off		25	25		11	11
Home Science	F/ Fw	Cultivation practices of different varieties of oyster mushroom	1 day	Off		25	25		6	6
Home Science	F/ Fw	Value addition of Tomato	1 day	Off		25	25		11	11
Home Science	Ry	Mushroom spawn production	2 day	On	7	8	15		1	1
Home Science	Ry	Value addition of fruits and vegetables	2 day	On	9	6	15		1	1
Home Science	IS	Low cost supplementary foods for children	1day	On		13	15		2	2
Home Science	IS	Household food and nutritional security throughnutritional garden	1 day	On		15	15		2	2
Animal Science	F/FW	Preparation & use of Hydroponics fodder as Livestock feed	1	Off	20	5	25	10	14	24
Animal Science	F/FW	Clean milk production and value added products of milk	1	On						

Animal Science	F/FW	Housing, Feeding and health management in dairy animals	1	Off	15	10	25	7	4	11
Animal Science	F/FW	Importance of AI, heat detection and important breeds of cattle	1	Off	17	8	25	4	4	8
Animal Science	F/FW	Care and management of pregnant does and kids	1	Off	21	4	25	22	4	26
Animal Science	F/FW	Brooding management in backyard poultry	1	Off	16	9	25	7	9	16
Animal Science	F/FW	Care and management of breeding bucks	1	Off	21	4	25	10	2	12
Animal Science	F/FW	Fodder cultivation for livestock nutrition	1	Off	16	9	25	7	3	10
Animal Science	F/FW	Month wise care and management of livestock	1	Off	17	8	25	19	4	13
Animal Science	F/FW	Small scale poultry rearing and management	1	Off	10	15	25	4	9	13
Animal Science	IS	Awareness creation on govt sponsored schemes	1	On	14	1	15	1	0	1
Animal Science	RY	Income generation through scientific Goat / sheep farming	2	On	9	6	15	4	1	5
Animal Science	RY	Low input technology (LIT) poultry farming – A futuristic approach for small farmers	2	On	12	3	15	-	-	-
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.	F/FW	Farmers Producers	1	Off	17	8	25	4	-	4

Extension		Organization								
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
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 else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Seedling production	Seedling production	Production of quality planting	3	10	5	15	Vegetable nursery	6	6	

		material of horticultural crops								

*training title should specify the major technology /skill transferred

b) Details of participation

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Crop production and management													
Commercial floriculture													
Commercial fruit production													
Commercial vegetable production	1	0	0	0	10	5	15	0	0	0	10	5	15
Integrated crop management													
Organic farming	1	8	7	15							8	7	15
Other													
Total	2	8	7	15	10	5	15	0	0	0	18	12	30
Post harvest technology and value addition													
Value addition													
Other													
Total													
Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													

Income generation activities													
Vermicomposting													
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery & imlements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation													
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para-vet training													
Other													
Total													
Agricultural Extension													
Capacity building and group dynamics													
Other													
Total													
Grand Total													

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

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

b) Details of participation

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

Crop production and management													
Increasing production and productivity of crops													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total													
Post harvest technology and value addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other													
Total													
Livestock and fisheries													
Livestock production and management													
Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													

Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security													
Economic empowerment of women													
Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total													

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	14	561	122	683	150	12	5	17	573	127	700
Kisan Mela	2	255	77	332	73	9	3	12	264	80	344
Kisan Ghosthi				0	0			0	0	0	0
Exhibition	1	392	48	440	97	48	12	60	440	60	500
Film Show	18	376	47	423	93	21	9	30	397	56	453
Method Demonstrations	10	169	26	195	43	13	2	15	182	28	210
Farmers Seminar				0	0			0	0	0	0
Workshop				0	0			0	0	0	0
Group meetings	25	231	29	260	57	24	16	40	255	45	300
Lectures delivered as resource persons	77	2887	872	3750	825	184	58	242	3062	930	3992

		8									
Advisory Services											
Scientific visit to farmers field	91	865	105	970	213	48	23	71	913	128	1041
Farmers visit to KVK	542	1204	267	1471	324	112	45	157	1316	312	1628
Diagnostic visits	74	190	45	235	52	39	12	51	229	57	286
Exposure visits	2	78	24	102	22	0	0	0	78	24	102
Ex-trainees Sammelan		0	0	0	0	0	0	0	0	0	0
Soil health Camp	2	78	18	96	21	4	0	4	82	18	100
Animal Health Camp	1	26	5	31	7	1	0	1	27	5	32
Agri mobile clinic (Plant Health)	5	109	34	143	31	7	0	7	116	34	150
Soil test campaigns	0	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Celebration of important days (Constitution Day, ICAR Foundation Day, Jala Shakti Dibas, University Foundation Day, World Food Day, Poshan Maha, Constitution Day, Agriculture Education Day, National Girl Child Day, National Mushroom Day, Vigilance Awareness week, Parthenium week)	12	958	290	1248	275	8	3	11	966	293	1259
Sankalp Se Siddhi	0	0	0	0	0	0	0	0	0	0	0
Swatchta Hi Sewa	6	116	12	128	28	6	1	7	122	13	135
Mahila Kisan Divas	1	0	68	68	15	0	2	2	0	70	70
Any Other (R-E	9	8	2	11	24	18	7	25	105	30	135

Meeting)		7	3	0							
Total	**892**	**85 73**	**21 12**	**10 68 5**	**2350**	**554**	**198**	**752**	**9127**	**2310**	**11467**

B. Other Extension activities

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

3.5 a. Production and supply of Technological products

Village seed

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Rice	Pooja	181 (Processed)	588,250	12	0	0	0	340	50	356	50
Ragi	Arjuna	1.9	11,210	2	0	0	0	34	5	36	5
Pigeon pea	LRG 52	2.5	24,075	5	0	0	0	26	4	31	4
Grand Total		**185.4**	**623535**	**19**	**0**	**0**	**0**	**400**	**59**	**423**	**59**

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Vegetable seedlings											
Cauliflower											
Cabbage											
Tomato	Arka Rakshak	11,500	28,750	10	0	0	0	8	2	18	2
Brinjal	Swarna Shyamali	25,000	37,500	0	00	00	0	17	3	17	3
Chilli	Arka Tanvi Aka Saanvi	7,700	19,250	0	0	0	0	7	0	7	0
Onion	Agrifound Dark Red	40,000	3,000	00	0	0	0	17	3	17	3
Others (Drumstick)	ODC, PKM-1	98	1,470	5	0	0	0	15	0	15	0
Fruits											
Mango											
Guava	Bihi	125	5,000	4	0	0	0	21	0	25	0
Lime	Kagzi	431	21,550	9	0				89	98	0
Papaya	Sinta, Vinayak	1089	27,225	20	10	0	0	178	10	198	20
Banana											
Others											
Ornamental plants	Bidhan marigold-2	10,000	12,000	0	2	0	0	0	8	0	10
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Others (Straw berry)	Winter dawn	143	1,716	6	0	0	0	23	0	29	0
Total		**96,086**	**1,57,461**	**54**	**12**	**0**	**0**	**286**	**115**	**424**	**38**

Production of Bio-Products

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

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Dairy animals											
Cows											
Buffaloes											
Calves											
Others (Pl. specify)											
Small ruminants											
Sheep											
Goat	Ganjam Goat	3	4500								
Other, please specify											
Poultry											
Broilers											
Layers											
Duals (broiler and layer)	Vejaguda Kadaknath RIR	4050	263,250	16	14	0	0	25	8	41	39
Japanese Quail	Japanese Quail	50	2000	4	0	0	0	6	0	10	0
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		**4,103**	**2,69,750**	**20**	**14**	**0**	**0**	**31**	**8**	**51**	**39**

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 2022						
Rabi 2020-21						
Summer/Spring 2022						
Kharif 2022						
Rabi 2021-2022						

iii) Financial Progress

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

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper	5	S. Mangaraj, S.K samantaray, S.Ranabijuli		
Seminar/conference/ symposia papers	2	A.patro, B.P Giri		
Books				
Bulletins				
News letter				
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature				
Technical reports				
Electronic Publication (CD/DVD etc.)				
TOTAL	7			

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.	Capacity building programme of NICRA		Dr. Sutanu Kumar Satapahy	22.08.2022 to 23.08.2022, 2 days	CRIDA, Hyderabad
.	CSISA-KVK Network meeting			23.9.2022, 1 day	NASC, New Delhi
2	CSISA-KVK Network meeting		Dr. Satyabrata Mangaraj	23.9.2022, 1 day	NASC, New Delhi
	Trainer training programme on DSR and associated technologies			20.06.2022 to 22.06.2022, 3 days	ISARC, Varanasi
	One health concept for agriculture eco system			27.06.2022 to 30.06.2022, 4 days	MANAGE (ONLINE)
	Natural Faming - Agro ecological Approaches in Rainfed Production Systems			14.09.2022 to 16/09/2022, 3 days	MANAGE (ONLINE)
	Application of artificial intelligence and sensor based technologies in agriculture			20.06.2022 to 23.06.2022, 4 days	MANAGE (ONLINE)
3	Capacity building programme of NICRA		Sri Prasanta Kumar Panda	22.08.2022 to 23.08.2022, 2 days	CRIDA, Hyderabad
	Plant clinic workshop			24.08.2022, 1 day	MSSRF, Chennai
	Refresher training programme on Pest and disease management of horticultural crops			16.01.2023 to 18.01.2023, 3 days	DEE, OUAT, BBSR
	IFS cum exposure visit			27.03.2023 to 28.03.2023, 2 days	DEE, OUAT, BBSR
4	Agri-preneurship through banana-based technologies An avenue for Atmanirbhar rural and urban sector		Dr. Bishnupada Giri	15.06.2022 to 17.06.2022, 3 days	Online (No Fee), ICAR-National Research Centre for Banana,

					Tamil Nadu
	Horticultural Practices and Startups in Urban Agriculture.			23.07.2022 1 day	Online, MANAGE
	Mentoring and Promoting Horti-Startups			28.06.2022 to 30.06.2022, 3 days	Online , ICAR-IIHR, Bengaluru, Karnataka
	Refresher training programme on Pest and disease management of horticultural crops			08.03.2022 to 10.03.2022, 3 days	DEE, OUAT, BBSR
5	Agri-entrpreneurship Development for Women		Mrs. Anita Patro	04.07.2022 to 08.07.2022, 5 days	Online University of Agricultural & Horticultural Science, Karnataka
	Post-Harvest Management: Issues and Challenges			22.08.2022 to 26.08.2022, 5 days	Online, MANAGE
	Workshop on Aromatic and medicinal plants			08.09.2022 to 09.09.2022, 2 days	PMIT, Vikas Foundation Trust, Talcher, Odisha
6	ICTS agricultural extension – New concept		Dr. Santosh Kumar Samantaray	14.06.2022 to 17.06.2022, 4 days	MANAGE, Hyderabad (Online)
	Internal training programme on Agripreneureship development for youth			20.07.2022 to 22.07.2022, 3 days	MANAGE, Hyderabad (Online)
	Innovations in Agricultural extension delivery model			17.08.2022 to 19.08.2022, 3 days	MANAGE, Hyderabad (Online)
	Refresher training course			08.09.2022 to 09.09.2022, 2 days	DEE, OUAT, Bhubaneswar

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

Name of farmer	Sri Pratapa Pradhan
Address	Nua Kamasara, Jagannath Parsad,Ganjam
Contact details (Phone, mobile, email Id)	6370918302

Landholding (in ha.)	1.2
Name and description of the farm/ enterprise	Mushroom cultivation and spawn production
Economic impact	Net Income 264005/year
Social impact	Role model farmer for scientific mushroom cultivation
Environmental impact	Recycling of byproduct mushroom by vermicompost
Horizontal/ Vertical spread	34 nos
Good quality photographs (2-3)	

Name of farmer	Sri Ranjan Kumar Bisoyi
Address	Betara, Bhanjanagar, Ganjam
Contact details (Phone, mobile, email Id)	9090592247
Landholding (in ha.)	2.0
Name and description of the farm/ enterprise	Poultry
Economic impact	Net Income 240000/year
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	22 nos
Good quality photographs (2-3)	

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

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

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

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Rice – vegetable	Use of cow dung, cow urine, Neem, Karanja, Calotropis leaves	Low cost eco-friendly pest management

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			
145		145	586	17	

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	Seminar,Farmer scientist interaction	62			62	62

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? (Y/N)

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
06.11.2022	Prof. P.J. Mishra, Dean, Extension Education, OUAT	Review of KVK activities
06.11.2022	Dr. S.K Swain, Dean of Research , OUAT	Review of KVK activities
01.11.2022	DIG, ITBP	Visit to KVK
18.10.2022	IFPRI Team	Visit to KVK
26.09.2022	Dr. H.K. Sahu, DDE, OUAT	Review of KVK activities

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	17	64	10200	55400
Demonstration of ragi variety Arjuna	22	94	18095	56721
Weed management in DSR	9	92	29866	50255
Brooding management	67	77	8200	14400
Perennial fodder cultivation	52	35	9200	12400
Azolla cultivation	27	63	4200	5900
Buck exchange/ management, pregnant, doe and kid management	27	72	25200	38400
Nutritional garden	134	81	200	400
Mushroom cultivation	50	70	65200	86400
Post harvest management in fruits & vegetable	39	74	57200	79400
Drudgery reduction	30	67	76200	87400
Value addition of cereal, millets, fruits and vegetables	127	64	55200	74400
IPM in maize	27	65	20200	25400
IPM in Ragi	27	61	5200	8400
IDM in Rice	27	53	15200	18400
IPM in Rice	27	69	15200	18400
IPM in mango	27	53	20200	26400
Bio-control management in brinjal pest	27	49	30200	40400
Cultivation practices of paddy straw mushroom	27	65	55200	65400
Value addition of Ragi	27	53	23200	34400
Mushroom spawn production	17	47	82200	96400
Cultivation practices of different varieties Oyster mushroom	27	61	42200	52400

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- Arjuna	520ha
Demonstration of weed management in rice	5200 ha
Demonstration of tembotrione in maize	800 ha
Brinjal Wilt complex management	2400ha.
Mineral mixture feeding to cattle	6000 cattle
Sesamum capsule borer management	1200 ha

Give information in the same format as in case studies

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

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

4.4. Details of innovations recorded by the KVK

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

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Sri Ganesh Nahaka
Name & complete address of the entrepreneur	Sindhi Nua Gaon, Block- Aska, Ganjam Mob :
Role of KVK with quantitative data support:	The youth was trained by KVK for entrepreneur development in poultry. Value chain linkage with various producer and marketing organizations by KVK was done.
Timeline of the entrepreneurship development	Three years
Technical Components of the Enterprise	After KVK interventions on his poultry production & hatchery management improved. Linkage with the Govt. for establishment of hatchery unit.
Status of entrepreneur before and after the enterprise	Net Income – Before : Rs.1,20,000 After :Rs.8,50,000
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 8 persons on daily basis producing more than 20000 chicks per month
Horizontal spread of enterprise	11 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
15. CHES	Hyv, stress tolerant var. of vegetable, technical guidance

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

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/bred	Produce	Qty.	Cost of inputs	Gross income	
1.	Polyhouse	2013	100	Arka Rakshak	Tomato	11,500	14,500	28,750	
2.				Swarna Shyamali	Brinjal	25,000	18,750	37,500	
3.				Arka Tanvi Aka Saanvi	Chilli	7,700	9,650	19,250	
4.				Agrifound Dark Red	Onion	40,000	950	3,000	
5.				ODC, PKM-1	Drumstick	98	750	1,470	
6.				Bihi	Guava	125	2100	5,000	
7.				Kagzi	Lime	431	10,500	21,550	
8				Sinta, Vinayak	Papaya	1089	14,500	27,225	
9				Bidhan marigold-2	Ornamental plants	10,000	5000	12,000	
10				Winter dawn	Strawberry	143	750	1,716	

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Rice	15.07.2022	16.12.2022	5.0	Pooja	Seed	181 (Processed)	464,555	588,250	
Ragi	05.07.2022	26.10.2022	0.8	Arjuna	Seed	1.9	7,940	11,210	
Pigeon pea	27.07.2022	07.02.2023	0.6	LRG 52	Seed	2.5	18,520	24,075	

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermicompost	4500 kg	30,500	67,500	
2	Vermin	40 kg	9500	20,000	

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Goat	Ganjam goat	Kids	3	2100	4500	
2	Poultry	Vejaguda Kadaknath RIR	Chicks	4050	130,000	263,250	
3	Quail	Japanese Quail	Chicks	50	950	2000	

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)
Nov, 22	30	60	
Dec,22	15	30	
Total :	45	90	

(For whole of the year)

Whether staff quarters has been completed: Damaged
No. of staffquarters: 10
Date of completion:

Occupancy details:

Months	Q I	Q II	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
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 -
	Kharif	Rabi	Kharif	Rabi	

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2013
	Kharif	Rabi	Kharif	Rabi	
Pigeonpea	0.9		0.9		0
Greengram		1.8		1.8	0

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	1,24,22,430	1,22,00,000	1,28,10,560
2	Traveling allowances	1,20,000	1,20,000	1,20,000
3	Contingencies			
A	Rec. Cont. (OE/ POL Trg FLD, OFT)	7,00,000	7,00,000	7,00,000
B	SCSP	19,99,700	19,99,700	19,99,700
C	HRD	30,000	30,000	-
D				
E				
F				
G				
H				
I				
J	Swachhta Expenditure/ SAP Fund	14,700	14,700	14,700
TOTAL (A)		1,52 86 830	1,52 86 830	1,56,44,960
B. Non-Recurring Contingencies				
1	Library	10,000	10,000	10,000
2	Equipments & furniture	2,05,000	2,05,000	2,05,000
3	Works	3,62,000	3,62,000	3,62,000
4				
TOTAL (B)		5,77,000	5,77,000	5,77,000
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		1,58,63,830	1,58,63,830	1,62,21,960

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2020-21	13720	1194978	1092679	116019
2021-22	116019	516914	375638	257295
2022-23	257295	650364	502777	404882

*Cumulative Net Balance

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)
Blast	Rice				
YMV	Greengram				
Wilt	Pigeonpea				
Blast	Ragi				
BLB	Rice				

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)
FMD, BQ, HS, LSD	Cattle				
PPR, POX	Small ruminants				
RD, IBD	Poultry				

9.1. Nehru Yuva Kendra (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. *mKisan* Portal (National Farmers' Portal/ SMS Portal)

Type of message	No. of messages	No. of farmers covered
Crop	43	Crop
Livestock	15	Livestock
Fishery		
Weather	9	Weather
Marketing	3	Marketing
Awareness	6	Awareness
Training information		Training information
Other		Other
Total	**76**	**Total**

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	*567*
2.	No. of farmers registered in the portal	*52281*
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
13.01.2022, 26.01.2022, 09.06.2022, 17.08.2022, 28.08.2021, 15.09.2022, 02.10.2022, 11.10.2022, 14.10.2022, 29.10.2022, 07.12.2022, 23.12.2022, 28.12.2022	Swatchha 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	12	4800
4. Cleaning and beautification of surrounding areas	11	3100
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for	07	3300

waste		
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level	04	1200
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)	09	
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	**63**	**14700**

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school

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

Give good quality 1-2 photograph(s)

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

Date of programm	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/ Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Do or Darshan	Coverage by other channels
				MLAs Attended the progr	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members	Total		

e				amme					etc.		(Yes/No)	(Number)

9.10. Details of Swachhta Hi Suraksha programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Cleaning & beautification of village surroundings, roads & ponds	09	428	-	-

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Seminar, talk, Interaction	04	70	-	-

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

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1	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

9.13. Revenue generation

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

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

9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK

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

9.16. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Odisha	Ganjam-I	Varietal substituiti - Rice	5	90	Drought tolerant variety sahabhagi dhan & Swarna Shreya, Green manuring, Bond planting of pigeon pea
		NRM	10	35	Raising of farm bund ht. by 10 inch, check dam, farm pond renovation, Ridge & furrow method

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

a) Year: 2022
b) Introduction / General Information:

	Title	Objective	Treatment details	Date of sowing	Replication	Result with photographs
Experiment 1	Evaluate drill dry direct seeded rice in Odisha	To evaluate the productivity and profitability of drill dry direct seeded rice in comparison with	T1. Broadcasting followed by beushening (Traditional farmers' practice) T2. Broadcasting+IWM T3. (Drill-DSR) and IWM	16.06.2022	7	

		traditional methods of rice establishments (broadcast fb beushening or manual transplanting)				
Experiment 2	Evaluate weed management under drill dry direct-seeded rice in Odisha	To find out more productive and profitable IWM options in drill dry direct-seeded rice.	Two MW at 15-20 and at 30-35 (DAS); T2. Tank mix of bispyribac+pyrazosulfuron at 15-25 DAS + One spot HW at 30-35 DAS as needed T3.Tank mix of Vivaya + Almix(15-25 DAS) + one spot hand weeding at 30-35 DAS T4:Council Activ, (12-17 DAS) + one spot hand weeding at 30-35 DAS T5:fenoxaprop+ethoxysulfuron(15-25 DAS) + one spot HW at 30-35 DAS T6: (Novelect @ 150 a.i. per ha) at 15-25 DAS + one spot HW at 30-35 DAS	21.06.2022	7	
Experiment 3	Evaluate the effect of agronomic and genetic biofortification approaches in manual puddled transplanted rice	To compare the individual and combined effect of Zn enriched variety and Zn fertilizer application on productivity, profitability, and grain quality (Zn content) of rice under manually puddled	Control: Farmer variety (FV) + No Zn application T2. Zn-enriched variety (ZV) + No Zn application T3. FV + ZnSO4 basal application @ 25 kg/ha + 0.5% Zn foliar spray at grain filling T4 ZV + ZnSO4 basal application @ 25 kg/ha + 0.5% Zn foliar spray at grain filling	15.07.2022	7	

11. Details of TSP

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

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

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

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

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

d. Location and Beneficiary Details during 2022-2023

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

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

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	
Green manuaring (Dhaincha) in rice-Swarna Shreya	1	40	16	6	3			23	8	29	11	40	Moisture conservation

Summer Ploughing in rice	1	22	06	4	2			12	4	16	6	22	Moisture conservation
Repair of bund(raising of Farm bund ht. to 10 inch)/Rice- MTU-1224	1	21	05	4	3			9	5	13	8	21	Moisture conservation
Mulching-Brinjal	1	10	0.4	2	1			5	2	7	3	10	Moisture conservation
Mulching In Tomato	1	10	0.4	1	1			6	2	7	3	10	Moisture conservation
Maize in Ridge & furrow system	1	16	04	3	1			9	3	12	4	16	Moisture conservation
Total		119	31.8	20	11			64	24	84	35	119	

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 paddy (var. *Sahbhagi* dhan)	10	5	3			15	7	20	10	30	Dry spell
Drought tolerant paddy (var. –Swarna Shreya)	10	6	3			18	5	24	8	32	Dry spell
Flood tolerant Rice var.- Swarna sub1	20	9	5			32	10	41	15	56	Water logging
Rice-Grengram (Swarna sub-1-&IPM 02-14)	06	4	2			9	3	13	5	18	YMV tolerant
DSR	10										Water saving
Maize(Kalinga raj)+ Cowpea (VNR) intercropping	01	1				3	1	4	1	5	Contingent crop
Crop diversification from Rice to Maize in upland in Kharif season	04	3	2			7	4	10	6	16	Contingent crop
Crop diversification from Maize to Sweet corn in Rabi season	01	2	1			5	2	7	3	10	Cash crop
Wilt tolerant Brinjal var.- Swarna Shyamali	01	2	1			5	2	7	3	10	Stress tolerant
YMV & heat tolerant Greengram var. IPM 02-14	04	3	1			7	3	10	4	14	Stress tolerant
HYV Blackgram-PU-31	10	3	1			18	6	21	7	28	Stress tolerant
Total	77	38	19			119	43	157	62	219	

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	
Hybrid napier C0-4	22	14	3.4	3	1			7	3	10	4	14	Feed for lean period
Vaccination camp against FMD& other disease Cattle	92	68		14	7			38	9	52	16	68	Immunity
Vaccination for PPR in goat	74	06		17	7			42	8	59	15	74	Immunity
Deworming	76	52		18	8			42	8	60	16	76	Immunity
Mineral mixture	20	10											Milk production
Composite fish culture by stocking of yearlings of Catla, Rohu and Mrigal with floating fish feed		03	1.2	1						2		3	Feed management
Poultry-Kadaknath	400	16		4	2			7	3	11	5	16	Resilient breed
Improved cattle shed with concrete flooring, Straw thatched, Mosquito net	16	08		2	1			4	1	6	2	8	Hygienic
Total	700	177	4.6	59	26			140	32	200	58	259	

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	1	1	1				2	1	3	1	4	
Fodder bank	1	1	1	1			2	1	3	2	5	
Custom hiring centre	1	34	18	13			58	17	76	30	106	
Total	3	36	20	14			62	19	82	33	115	

Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
Vermicomposting & use of Bio fertilizer in crops	1	4	2			13	6	17	8	25
ICM in Greengram	1	3	2			11	9	14	11	25
IPM in Rice	1	4	1			11	9	15	10	25
Nursery raising, grafting techniques in fruits	1	3	1			17	4	20	5	25
Preparation of Tomato Sauce	1		6				19		25	25
Total	5	14	12			52	47	66	59	125

Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
Agro advisory Services	22	27	13			61	39	88	52	140
Awareness	01	13	7			28	7	41	14	55
Diagnostic visit	14	21	12			42	12	63	24	87
Exposure visits	02	8				32		40		40
Field Day	03	28	16			84	22	112	38	150
Group Discussion	12	24	8			82	14	106	22	128
Method demonstrations	05	18	12			64	22	82	34	116
KMAS Services	48	23	12			65	40	88	52	170
Popular extension literature	02	42	24			138	36	180	70	250
Animal Health Camp	02	14	4			40	10	54	14	68

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
1	OUAT farmers fair	Krutibasa Mallik	2022	OUAT	-	Improved vegetable cultivation

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
1								

16. Integrated Farming System (IFS)

Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1	Rice	0.2	8.0 qtl.	9000	16000	54	22
2	Brinjal	0.1	20 qtl.	11000	20000		
3	Poultry	50 birds	110kg	5000	11000		
4	Goatery	7 nos	84 kg	12000	25200		
5	Mushroom	240 beds	240 kg	8000	16800		
6	Piscicuture	0.1	1.8 qtl.	10000	18000		
7	Vermicompost	2 beds	6.0 qtl	5000	9000		
8	Honey bee	2 units	8.0kg	2500	4000		

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	Stress tolerant var. of Rice, Greengram,	- Rice – Swarna Shreya Green manuring -Sweetcorn – Ridge &	88000	64	

	Crop diversification, Feed management Dairy	furrow -Greengram-IPM 02-14. - mineral mixture to Dairy			
2	Stress tolerant var. of Rice, Greengram, Poly mulching, Crop diversification, Feed management Dairy	-Stress tolerant var. of Rice – swarna Sub-1 - Greengram-IPM 02-14. ,Sweetcorn, Poly mulching in Brinjal, mineral mixture & fodder to Dairy	154000	82	

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

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

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

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

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

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

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

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

21. Information on NARI Project (if applicable)

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

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

a) Training achievements

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

b) Other achievements

Sl. No.	**Particulars**	**January, 2022 to December, 2022**
1	Number of demonstrations other than oilseeds and pulses	22
2	Number of demonstrations on oilseed crops	-
3	Number of demonstrations on pulse crops	2
4	Number of farmers trained	86
5	Number of participants in Extension activities	11467
6	Number of farmers for Mobile Advisory	76
7	Production of seeds (in quintal)	185.4
8	Production of planting material (Number)	96086
9	Number of soil sample tested	145
10	Number of farmers covered in Climate Resilient villages	122
11	Number of farm families covered in Farmer FIRST project	-
12	ARYA project: Number of youth trained	120
13	ARYA project: Number of entrepreneurial activities started	48
14	Number of farm families in DFI villages	32

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

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

24. Good quality action photographs of overall achievements of KVK during the year (best 10) – Given Separately in JPEG format

Senior Scientist & Head
KVK, Ganjam-i

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