ANNUAL REPORT 2018-19 (April 2018 to March 2019)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
KVK, Dhenkanal,RRTTS Campus, Mahisapat, Dhenkanal,pin-759013	06762286610		kvkdhenkanal.ouat@gmail.com, dhenkanalkvk@yahoo.com

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

Address	Telephone		E mail
	Office	FAX	
Orissa University of Agriculture and Technology, Bhubaneswar	0674-2397818/919	0674-2397424	registrarouat@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Bimalendu Mohanty		9078584428	bimalendum@rediffmail.com

1.4. Year of sanction of KVK: 2001

1.5. Staff Position (**as on 1st April, 2019**)

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. Bimalendu Mohanty	Sr. Scientist and Head	Agril. Engg.	15,600-39,100 30820	14.03.2005	Temporary	General
2	Subject Matter Specialist	Sasmita Pal	Scientist	Home Science	15,600-39,100 31780	19.08.2005	Temporary	General
3	Subject Matter Specialist	Debasis Panda	Scientist	Plant Protection	15,600-39,100 31780	07.01.2006	Temporary	General
4	Subject Matter Specialist	Manoranjan Mohanty	Scientist	Forestry	15,600-39,100 31780	14.02.2006	Temporary	General
5	Subject Matter Specialist	Dibya Sundar Kar	Scientist	Horticulture	15,600-39,100 25810	21.08.2006	Temporary	General
6	Subject Matter Specialist	Dr. Roshni Bala Nayak	Scientist	Animal Science	15,600-39,100 23610	07.07.2015	Temporary	General
7	Subject Matter Specialist	Vacant						
8	Programme Assistant	Jashobanta Sahoo	PA	Fishery	9300-34,800 19300	23.03.2006	Temporary	General
9	Computer Programmer	Gangadhar Moharana	PA	Computer	9300-34,800 19300	15.02.2006	Temporary	General
10	Farm Manager	Manoj Kumar Pradhan	Farm Manager	Seed Technology	9300-34,800 19300	04.10.2006	Temporary	General
11	Accountant / Superintendent	Vacant						
12	Stenographer	Gyana Ranjan Das	Jr. Steno-cum-Computer Operator		5,200-20,200 10890	08.01.2007	Temporary	General
13.	Driver	Nilamadhaba Sahoo	Driver-cum-Mechanic	-	5,200-20,200 9870	25.07.2007	Temporary	General
14.	Driver	Khetrabasi Mohanty,	Driver-cum-Mechanic	-	5,200-20,200 9870	23.07.2008	Temporary	General
15.	Supporting staff	Kumar Beja	Peon-cum-Watchman	-	4750-14680 8460	26.12.2007	Temporary	General
16.	Supporting staff	Ahalya Baral	Peon-cum-Watchman	-	4750-14680 7970	25.07.2008	Temporary	General

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.4
2.	Under Demonstration Units	0.6
3.	Under Crops	6
4.	Orchard/Agro-forestry	6
5.	Others with details	
A	Farm tank	5
B	Barrain land	2
	Total	20

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	Not yet started							
2.	Farmers Hostel					Totally completed	280	Under use	RRTTS building handed over to KVK and renovated under RKVY
3.	Staff Quarters (6)					Totally completed	390	Under use	ICAR
4.	Piggery unit	Not yet started							
5	Fencing					Totally completed	8790 running feet	Under use	RKVY
6	Rain Water harvesting structure	Not yet started							
7	Threshing floor	Not yet started							
8	Farm godown					Totally completed	30	Under use	RRTTS godown handed over to KVK
9.	Dairy unit	Not yet started							

10.	Poultry unit					Totally completed	36	Under use	RRTTS unit handed over to KVK
11.	Goatary unit	Not yet started							
12.	Mushroom Lab	Not yet started							
13.	Mushroom production unit					Totally completed	78	Under use	ICAR
14.	Shade house					Totally completed	110	Under use	ICAR
15.	Soil test Lab					Totally completed		Under use	Equipments – ICAR, Building – RRTTS
16	Training Hall					Totally completed	95	Under use	RKVY
17	Duckery unit					Totally completed	10	Under use	RKVY
18	Vermi compost unit (2 nos)					Totally completed	23 78	Under use	RKVY- 1 ICAR -1

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	2016-17	7,04,162	16500	Good condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Digital Refractometer	2017-18	14,950	Good condition	ICAR
Drying cabinet	2017-18	19,897	Good condition	ICAR
Crown cap sealing machine	2017-18	2,950	Good condition	ICAR
Vacuum sealing machine	2017-18	1,980	Good condition	ICAR
Stainless steel knife,strainer, decanter, measuring cup set, glass jar etc.	2017-18	1,950	Good condition	ICAR
Food processor	2017-18	4,950	Good condition	ICAR
Wet grinder	2017-18	12,800	Good condition	ICAR
Mridaparikshak – 2 nos.	2016-17	1,80,600	Good condition	ICAR
Thermo hygrometer	2016-17	1800	Good condition	ICAR
Hand refractometer	2016-17	4850	Good condition	ICAR

Electronic automatic kelplus microprocessor based twenty place macro block digestion system	2004-05	121470	Good condition	ICAR
Electronic acid neutralizer scrubber	2004-05	51470	Good condition	ICAR
Electronic kelplus micro processor based automatic nitrogen distillation system	2004-05	156530	Good condition	ICAR
Electronic titration system for kelplus system	2004-05	52000	Good condition	ICAR
Flame photometer	2004-05	35200	Not functioning	ICAR
Spectrophotometer	2004-05	30100	Good condition	ICAR
Servo Stabilizers	2004-05	13500	Not functioning	ICAR
Hot plate	2004-05	2520	Good condition	ICAR
Micro processor based pH meter	2004-05	10200	Not functioning	ICAR
Onductivity meter	2004-05	10200	Good condition	ICAR
Refrigerator	2004-05	9200	Not functioning	ICAR
Ele. Top Pan Balance	2004-05	95000	Good condition	ICAR
Physical Balance	2004-05	4500	Not functioning	ICAR
Soil Augur	2004-05	2850	Good condition	ICAR
Bouyoucos Hydrometer	2004-05	6500	Good condition	ICAR
Mechanical Stirrer	2004-05	8200	Good condition	ICAR
Colony Counter	2004-05	4500	Good condition	ICAR
Plant Sample Grinder / Laboratory Mill	2004-05	8000	Good condition	ICAR
Hot Water Bath	2004-05	4000	Good condition	ICAR
Horizontal Shaker	2004-05	11000	Good condition	ICAR
Distilled Water Unit	2004-05	7200	Good condition	ICAR
Hot Air Oven	2004-05	10500	Good condition	ICAR
Laboratory Centrifuge	2004-05	9000	Good condition	ICAR
Sieves	2004-05	1123	Good condition	ICAR
Soil Augur / Sampling Tube (Screw/tube)	2004-05	1700	Good condition	ICAR
Soil Thermometer	2004-05	2712	Good condition	ICAR
Olympus (Microscope) Model ML-14	2004-05	17900	Good condition	ICAR
Olympus (Microscope) Model MS-13	2004-05	26890	Good condition	ICAR
Bod Incubator	2004-05	42000	Not functioning	ICAR
b. Farm machinery				
Tractor operated 9 row seed cum fertilizer drill	2016-17	55,000	Good condition	ICAR
Power weeder	2016-17	42,313	Good condition	ICAR
Tractor operated Rotavator	2016-17	96,900	To be repaired	ICAR
Tractor & accessories	2003-04	2,95,251	Good condition	ICAR
Trailer	2003-04	55,000	Bad condition	ICAR
11 tyne cultivator	2003-04	10,800	Bad condition	ICAR
Cage wheel	2003-04	6,500	Bad condition	ICAR

Terracer blade	2003-04	18,000	Good condition	ICAR
M.B. Plough	2003-04	21,000	Good condition	ICAR
3 bottom ridger	2003-04	10,149	Good condition	ICAR
HD Leveller	2003-04	9,500	Good condition	ICAR
c.AV Aids				
Pico Projector	2016-17	17,467	Good condition	ICAR
Digital camera	2015-16	17,800	Good condition	ICAR
LCD Projector (BENQ)	2015-16	55,620	Good condition	ICAR
Television set	2012-13	8,000	Good condition	ICAR
Digital camera (NIKON)	2009-10	15,000	Good condition	ICAR
LCD Projector (Epson)	2006-07	84,710	Good condition	ICAR
Digital camera (NIKON)	2005-06	13,600	Good condition	ICAR
Desktop Computer	2016-17	35,000	Good condition	ICAR
Laptop computer	2015-16	43,790	Good condition	ICAR
Laser Printer (RICCO)	2015-16	6,210	Good condition	ICAR
Laser Printer (HP)	2013-14	12,600	Good condition	ICAR
Digital copier with printer	2010-11	46,385	Good condition	ICAR
Desktop Computer	2009-10	29,700	Good condition	ICAR
Laptop computer	2006-07	48,600	Good condition	ICAR
Desktop Computer	2005-06	37,500	Good condition	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Tractor operated 9 row seed cum fertilizer drill	2016-17	55,000	Good condition	ICAR
Power weeder	2016-17	42,313	Good condition	ICAR
Tractor operated Rotavator	2016-17	96,900	To be repaired	ICAR
Tractor & accessories	2003-04	2,95,251	Good condition	ICAR
Trailer	2003-04	55,000	Bad condition	ICAR
11 tyne cultivator	2003-04	10,800	Bad condition	ICAR
Cage wheel	2003-04	6,500	Bad condition	ICAR
Terracer blade	2003-04	18,000	Good condition	ICAR
M.B. Plough	2003-04	21,000	Good condition	ICAR
3 bottom ridger	2003-04	10,149	Good condition	ICAR
HD Leveller	2003-04	9,500	Good condition	ICAR

1.8. Details SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	11.03.2019	34			

** Salient recommendation of SAC in bullet form*
Attach a copy of SAC proceedings along with list of participants

2.a. District level data on agriculture, livestock and farming situation (2018-19)

<table>
<tr><th>Sl. no.</th><th>Item</th><th>Information</th></tr>
<tr><td>1</td><td>Major Farming system/enterprise</td><td>Paddy-Groundnut, Paddy-Sesamum,
Paddy-Greengram/Blackgram,
Groundnut-Groundnut, Paddy-Vegetable /Mushroom and Poultry</td></tr>
<tr><td>2</td><td>Agro-climatic Zone</td><td>Mid Central Table Land</td></tr>
<tr><td>3</td><td>Agro ecological situation</td><td>6
AES 1- RIVER VALLY ALLUVIUM
AES 2 - LIGHT TEXTURED LATERITE
AES 3 - RED LOAM SOIL
AES 4 - MEDIUM TEXTURED SANDY LOAM
AES 5 - BLACK SOIL
AES 6 - CLAY & HEAVY CLAY SOIL</td></tr>
<tr><td>4</td><td>Soil type</td><td>Red lateritic, sandy loam, alluvial</td></tr>
<tr><td>5</td><td>Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others</td><td>
<table>
<tr><th>Vegetables</th><th>Fruits</th><th>Cereals</th><th>Pulses</th><th>Oilseeds</th></tr>
<tr><td>Brinjal-16.9 q/ha</td><td>Mango-5.81q/ha</td><td>Rice-</td><td>Pigeonpea-</td><td>Groundnut-</td></tr>
<tr><td>Tomato-14.26 q/ha</td><td>Cashew-0.812 q/ha</td><td></td><td>Blackgram-</td><td>Sesame-</td></tr>
<tr><td>Cauliflower-15.24 q/ha</td><td>Watermelon-18.85q/ha</td><td></td><td></td><td></td></tr>
</table>
</td></tr>
<tr><td>6</td><td>Mean yearly temperature, rainfall, humidity of the district</td><td>Rainfall-767mm,Temperature:Max-(33.45^{0}C)-Min-(21.79^{0}C)</td></tr>
<tr><td>7</td><td>Production of major livestock products like milk, egg, meat etc.</td><td>Milk-69.42TMT,Egg-64.42Million,Meat-2138.22MT</td></tr>
</table>

Note: Please give recent data only

2.b. Details of operational area / villages (2018-19)

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	Dhenkanal	Sadar	Lambodarpur, Siaria,Tarava, Motori,Majhisahi,Nachipura,Arada,Bhaliabolakateni, kankadapal,Paikadahikar, Talabarkote,	Paddy, Mushroom,	Lack of availability of bundle straw	
2	Dhenkanal	Odapada	Paneilo,Mahadia Gobindaprasad, Tamanda, Kandabindha,Kalanga, Kamalang, Indipur, Sariapada	Paddy,Goatery	Lack of green fodder and Pasture land	
3	Dhenkanal	Kamakhyanagar	Jaka, Sogar,Jamujhara	Paddy, Blackgram, Greengram, Groundnut		
4	Dhenkanal	Gondia	Nabalinga,Dandeibereni,			
5	Dhenkanal	Bhuban	Bhuban			
6	Dhenkanal	Parjang	Patharkhumba,			
7	Dhenkanal	Kankadahad	Brahmania, Sahala, Kalashpur, Pakatmunda			
8	Dhenkanal	Hindol	Babandha, Kukupangi, Baghadharia, Jharbeda			

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2018-19) for its development and action plan

Name of village	Block	Action taken for development
Parbatia	Sadar	Cluster Borewell for irrigation, Demostration of Quail,Chabro chicks and mushroom for income generation.OFT on 3-row manual rice transplanter, FLD on management of mushroom beds during summer season, FLD on dual purpose backyard poultry and quail,Distribution of Bina, Sahabhagidhan,DRR-42 and DRR-44 rce varieties under STRV trial, DIstibution of Eucalyptus seedings, Mango split preparation by pit method
Bangursingha	Odapada	FLD on dual purpose backyard poultry,Khaki Campbell ducks and quail, OFT on low cost technology for drying of oyster mushroom
Bainsia	Gondia	Training
Kandarsingha	Parjang	FLD on quail, FLD on blue oyster mushroom, OFT on micro nutrient lick blocks on productive performance of goat

2.1 Priority thrust areas

S. No	Thrust area

1.	Promotion of improved varieties in oilseed and pulse crops.
2.	Focus on cultivation of oilseed and pulse crops in rice – fallow situation.
3.	Promotion of line sowing in oilseed & pulse crops
4.	Introduction and promotion of commercial fruit crops like guava, ber, custard apple, pomegranate etc.
5.	Drip irrigation system with mulching in horticultural crops
6.	Focus on stall feeding model in case of goatery
7.	Promotion of fodder cultivation and hydroponics
8.	Promotion of advanced fingerlings and yearlings production
9.	Value addition of existing fruits and vegetables.
10.	Promotion of training and pruning in fruit orchard
11.	Scientific management of minor forest produces
12.	Promotion of organic agriculture in the district
13.	Promotion of aromatic crops
14.	Promotion of aqua shops in the district.

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
12	13		8	3	8	0	52	20	68	23	91	22	19		10	13	8	10	87	34	105	57	162

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	
103	26	2225	6	34	146	103	181	170	333	307	640													

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

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
204(4 q-Sesame) and Paddy-200q	156 q	100000	4,52,285

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
0.017	323347		0.00231

* 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							
Seminar/conference/ symposia papers							
Books							
Bulletins							
News letter	1	500					
Popular Articles							
Book Chapter							
Extension Pamphlets/ literature							
Technical reports	15						
Electronic Publication (CD/DVD etc)							
TOTAL	16	500					

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of improved wilt tolerant brinjal varieties
2.	Problem diagnosed	Low yield due to bacteria wilt
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP-Local variety Muktapasi TO-1SwarnaPratibha TO-2SwarnaShyamali

4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	**Source :** ICAR-RCER, Patna (2010)
5.	Production system and thematic area	Rainfed medium land ,Brinjal - Cabbage (Varietal evaluation**)**
6.	Performance of the Technology with performance indicators	Yield, BC ratio, Farmers' feed back
7.	Final recommendation for micro level situation	Swarnashyamli variety has better production potentials than farmers practice and Resistant to bacterial wilt, Recommended for round the year cultivation, First harvest 35-40 days after planting .
8.	Constraints identified and feedback for research	Sufficient seed is not available
9.	Process of farmers participation and their reaction	

Thematic area:

Problem definition: **Low yield due to bacteria wilt**

Technology assessed: **Assessment of improved wilt tolerant brinjal varieties**

Table:

Technology option	No. of trials	Yield component		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Parameter Bulb wt. (gm)	% leaf damage					
FP-Local variety Muktapasi	13	65	25	206	338400	412000	73600	2.47
TO1 SwarnaPratibha	13	75	6	237	384500	474700	90200	2.73
TO2 SwarnaShyamali	13	82	5	250	402000	500000	98000	2.88

OFT-2

1.	Title of On farm Trial	Assessment of improved broccoli varieties

2.	Problem diagnosed	Low yield from the existing variety
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP-Variety Greenstar TO-1PalamSamridhi TO-2Pusa Broccoli Kt. Sel. 1
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-IARI, 2010
5.	Production system and thematic area	Rabi, Irrigated medium landRice- Broccoli (Varietal evaluation**)**
6.	Performance of the Technology with performance indicators	Yield, BC ratio, Farmers' feed back
7.	Final recommendation for micro level situation	Broccoli variety Pusa KTS-1 has better income than farmers practice.
8.	Constraints identified and feedback for research	Sufficient seed is not available
9.	Process of farmers participation and their reaction	

Thematic area:

Problem definition: **Low yield from the existing variety**

Technology assessed: **Assessment of improved broccoli varieties**

Table:

Technology option	No. of trials	Yield component	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Bulb wt. (gm)					
FP-Variety Greenstar	13	220	159	85400	159000	73600	2.47
TO-1PalamSamridhi	13	265	172	85700	172000	86300	
TO-2Pusa Broccoli Kt. Sel. 1	13	300	191	100800	191000	90200	2.73

OFT-3

1.	Title of On farm Trial	Assessment of different transplanting methods for drudgery reduction of farm women
2.	Problem diagnosed	High drudgery, labour, cost and time involved in manual random transplanting
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP-Manual random transplanting TO-1-Manual line transplanting TO-2-Transplanting by 3-row Manual Rice Transplanter
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on ESA,CAET, OUAT, 2013
5.	Production system and thematic area	Kharif, rainfed medium land, paddy- fallow and drudgery reductio
6.	Performance of the Technology with performance indicators	Yield, BC ratio, Farmers' feedback
7.	Final recommendation for micro level situation	The transplanter effectively reduces drudgery, labour and cost involved in transplanting and is recommended for use by farmwomen.
8.	Constraints identified and feedback for research	It is difficult to carry the machine in puddled field and light weight machine should be developed. for easy operation

9.	Process of farmers participation and their reaction	Active participation and happy with the performance of the machine by seeing the yield

Thematic area:

Problem definition: High drudgery, labour, cost and time involved in manual random transplanting

Technology assessed: Different transplanting methods for drudgery reduction of farm women

Table:

Technology option	No. of trials	Drudgery component							Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Output m^2/h	Est. Energy Expenditure kj/min.	WHR beats/ per min.	% reduction in drudgery	% increase in efficiency	Cardiac cost of work	% saving of Cardiac cost					
FP	10	63	11.473	127			48.57		31.5	31900	48680	16780	1.52
TO1		86	11.15	125	28.6	36.5	33.48	31.06	35.2	29680	54755	25075	1.84
TO_2		106	10.837	123	43.68	68.2	24.9	48.73	35.1	27700	54500	26800	1.96

OFT-4

1.	Title of On farm Trial	Assessment of crumpled paddy straw for mushroom cultivation
2.	Problem diagnosed	Non utilization of crumpled paddy straw after threshing with Axial flow thresher or combined harvester

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP-Mushroom cultivation by using bundled paddy straw of manual threshing TO-1-Mushroom cultivation by using crumpled paddy straw of Axial flow thresher TO-2-Mushroom cultivation by using crumpled paddy straw of Combined harvester TO-3-Mushroom cultivation by using crumpled paddy straw of Bullock treading / tractor treading
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CTMRT, OUAT, 2015
5.	Production system and thematic area	Homestead and mushroom cultivation
6.	Performance of the Technology with performance indicators	Yield, BC ratio, Farmers' feedback
7.	Final recommendation for micro level situation	Though the bioefficiency is 7% crumpled straw can be used as an alternative substrate
8.	Constraints identified and feedback for research	It is difficult to raise mushroom beds by using wet crumpled straw so a suitable circular frame could be developed for easy handling
9.	Process of farmers participation and their reaction	Farm women actively participated for raising circular beds by using bamboo baskets

Thematic area:

Problem definition: Non utilization of crumpled paddy straw after threshing with Axial flow thresher or combined harvester

Technology assessed: Assessment of crumpled paddy straw for mushroom cultivation

Table:

Technology option	No. of trials	Yield component				Yield (kg/bed)	Cost of cultivation (Rs./bed)	Gross return (Rs/bed)	Net return (Rs./bed)	BC ratio
		spawn run period (days)	cost of Substrate (Rs)	Pinhead innitiation (days)	Biological efficiency (%)					
FP	10	8	20	10	10	1	59	130	71	2.2
TO1		9	10	11	8.75	0.875	49	113.75	64.75	2.32
TO_2		11	Throw away price	14	6.5	0.65	39	84.5	45.5	2.1
TO_3		8	6	10	9	0.9	45	117	72	2.6

OFT-5

1.	Title of On farm Trial	Assessment of different backyard poultry breeds
2.	Problem diagnosed	Less numbers of egg and meat production from desi breed
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessment
4.	Source of Technology (ICAR/ AICRP/SAU/other, please	CPDO, Bhubaneswar (2010)

	specify)	
5.	Production system and thematic area	Homestead and poultry management
6.	Performance of the Technology with performance indicators	Meat and egg production, BC ratio, Farmers' feed back
7.	Final recommendation for micro level situation	Kadaknath breed is suitable for raising under backyard condition as it has negligible (1-2%) mortality rate and its body weight is more than desi birds at the same level of feeding
8.	Constraints identified and feedback for research	It is less appreciated by the farmers for its colour so more awareness programme should be conducted about is medicinal value and nutrient content
9.	Process of farmers participation and their reaction	Farmers raised these breeds in semi- intensive condition

Thematic area:

Problem definition: Less numbers of egg and meat production from desi breed

Technology assessed: Assessment of different backyard poultry breeds

Table:

Technology option	No. of trials	Yield component			Yield (Body weight at 4 months)	Cost of cultivation (Rs/(unit)20 birds)	Gross return (Rs/(unit)20 birds)	Net return (Rs/(unit)20 birds)	BC ratio
		Mortality %	% change	No of eggs/bird/yr					
FP	7	60	-	60	0.55kg	2725	3000	1200	1.66
TO1		35	41.66	140	1.57 kg	3225	12800	9575	3.96
TO_2		5	91.66	120	1.11 kg	3325	14700	11375	4.42

OFT-6

1.	Title of On farm Trial	Assessment of hydroponic green fodder on quantity and quality of milk production
2.	Problem diagnosed	Lack of availability and more space requirement of green fodder and more cost of concentrate feed
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessment
4.	Source of Technology (ICAR/ AICRP/SAU/ other, please	OUAT, 2014

	specify)	
5.	Production system and thematic area	Homestead and Feed management
6.	Performance of the Technology with performance indicators	Milk yield, Milk fat and SNF%,BC ratio, Farmers' feed back
7.	Final recommendation for micro level situation	It will completely replace concentrate feed if it grown for longer period and regular basis as per the need of animal
8.	Constraints identified and feedback for research	Input cost is more on farmers part so low cost technology could be developed
9.	Process of farmers participation and their reaction	Farmers actively participated by growing fodder in their backyard for small size units

Thematic area:

Problem definition: Lack of availability and more space requirement of green fodder and more cost of concentrate feed

Technology assessed: Assessment of hydroponic green fodder on quantity and quality of milk production

Table:

Technolo	No. of	Yield component	Yield	Cost of	Gross return	Net return	BC ratio

gy option	trials	Milk yield(lt/animal /day)	% change	Milk quality	% change	(lt/animal/day)	cultivation (Rs/animal/day)	(Rs/animal/ day)	(Rs/animal/ day)	
FP	2	9.05	-	Fat%-3.8	-	9.05	108	229	130	2.12
TO1		9.56	5.63	Fat%-4.0	5.26	9.56	120	272	152	2.26
TO_2		9.87	9.06	Fat%-4.4	15.78	9.87	137	336	179	2.45

OFT-7

1.	Title of On farm Trial	Assessment of different methods for management of pod borer complex in Pigeonpea
2.	Problem diagnosed	Low yield of pigeonpea due to high infestation of pod borer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP : Indiscriminate spraying of Chlorpyriphos 20% EC TO-1 : Spraying of Indoxacarb 14.5 SC @1ml/lit of water TO-2 :Installation of pheromone trap 20 trap/ha + release of

		T.chilonis@50,000/ha + spraying of Indoxacarb 14.5 SC @1ml/lit of water.
4.	Source of Technology	OUAT, 2015-16
5.	Production system and thematic area	Rainfed upland , Pigeonpea fallow , IPM
6.	Performance of the Technology with performance indicators	TO-1 : Oxidiazine group which effectively controls caterpillars by contact and stomach poison actions and safer to natural enemies. TO-2 : Pheromone trap is used to monitor the pod borer and T. chilonis is used for destroying the eggs. Spraying of Indoxacarb controls the pod borer complex. Yield, BC ratio, Farmers' feedback
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: IPM

Problem definition: Low yield of pigeonpea due to high infestation of pod borer

Technology assessed: Assessment of different methods for management of pod borer complex in Pigeonpea

Table:

Technology option	No. of trials	Yield component (% damaged)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP : Indiscriminate spraying of Chlorpyriphos 20% EC	5	27.8	6.98	29800	41880	12080	1.40
TO-1 : Spraying of Indoxacarb 14.5 SC @1ml/lit of water	5	8	8.04	32200	48240	16040	1.49
TO-2 :Installation of pheromone trap 20 trap/ha + release of T.chilonis@50,000/ha + spraying of Indoxacarb 14.5 SC @1ml/lit of water.	5	6.6	9.22	33100	55320	22220	1.67

OFT-8

1.	Title of On farm Trial	Assessment of different control measures for management of sucking pests in chilli
2.	Problem diagnosed	Low yield of chilli due to high infestation of sucking pests
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP : Spraying of Imidachloprid 17.8% SL @5ml/15 lit of water

		TO-1 :Application of Thiomethoxam 25% WG@ 5gm/15 lit. of water twice at 15 days interval TO-2 :Seed treatment with Imidachloprid 17.8% SL @ 5 gm/kg seeds + spraying of Difenthurion 50% WP @ 0.5 ml/lit. of water
4.	Source of Technology	OUAT, 2012
5.	Production system and thematic area	Irrigated upland, Tomato – chilli , IPM
6.	Performance of the Technology with performance indicators	TO-1 : New generation insecticide with systemic action. TO-2 : Seed treatment with Imidachlopride inhibits the leaf curl disease and spraying of Difenthurion (new generation thiourea insecticide and acaricide has a novel mode of action) controls the sucking pest in chilli. Yield, BC ratio, Farmers' feedback
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: IPM

Problem definition: Low yield of chilli due to high infestation of sucking pests

Technology assessed: Assessment of different control measures for management of sucking pests in chilli.

Table:

Technology option	No. of trials	Yield component (% leaf infestation)	Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP : Spraying of Imidachloprid 17.8% SL @5ml/15 lit of water	5	25.76		188	72000	282000	210000	3.91
TO-1 :Application of Thiomethoxam 25% WG@ 5gm/15 lit. of water twice at 15 days interval	5	11.2		200	74500	300000	225500	4.02
TO-2 :Seed treatment with Imidachloprid 17.8% SL @ 5 gm/kg seeds + spraying of Difenthurion 50% WP @ 0.5 ml/lit. of water	5	9.89		210	75000	315000	240000	4.20

OFT-9

1.	Title of On farm Trial	Assessment of production potential (Sugars) of palmyra palm plant

2.	Problem diagnosed	Low level of income from palmyra palm plants
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP : Use of immature fruit (soft endocarp) and mature fruit (ripe pericarp) as food and leaf for thatching T O-1 : Palmyra palm candy preparation by application of 2 g lime / lit of nectar during tapping T O-2 : Palmyra palm candy preparation by application of 2 g lime / lit of nectar during tapping and addition of phosphoric acid @ 1 g / lit during cooking
4.	Source of Technology	KVIC, Mumbai, 2012
5.	Production system and thematic area	Rainfed upland and value addition
6.	Performance of the Technology with performance indicators	Nectar / plant, nectar:sugar,Candy yield, BC ratio, Farmers' feedback
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	

9.	Process of farmers participation and their reaction	

Thematic area: Value addition

Problem definition: Low level of income from palmyra palm plants

Technology to be assessed: Assessment of production potential (Sugars) of palmyra palm plant

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation(Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP : Use of immature fruit (soft endocarp) and mature fruit (ripe pericarp) as food and leaf for thatching	5									
TO 1 : Palmyra palm candy preparation by application of 2 g lime / lit of nectar during tapping	5					6 kg / 2001 / ha	3000	4200	1200	1.4

OFT-10

1.	Title of On farm Trial	Assessment of BPH tolerant rice varieties in medium land situation
2.	Problem diagnosed	Low yield in rainfed medium land transplanted rice due to use of variety susceptible to BPH
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO 1 : 135-140 days, average yield: 50-55 q/ha; Suitable for medium land; Tolerance to BPH; stress tolerant TO 2 : 145-150 days , Medium slender, Panicle length: 27.8 cm, Average yield: 55-60 q/ha; Tolerant to BPH; Adaptability in rainfed& irrigated medium land
4.	Source of Technology	DRR,Hyderabad,2012 OUAT 2014
5.	Production system and thematic area	Rainfed Medium land and crop production
6.	Performance of the Technology with performance indicators	Plant height, EBT/m2, Grains/panicle, BPH infested hills (%),1000 seed weight Yield , Net return, B:C ratio, Farmers' feedback

7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: Crop production

Problem definition: Low yield in rainfed medium land transplanted rice due to use of variety susceptible to BPH

Technology to be assessed: Assessment of BPH tolerant rice varieties in medium land situation

Table:

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

Fp-Pooja	10					60	30000	84000	54000	2.8
TO-1 : 135-140 days, average yield: 50-55 q/ha; Suitable for medium land; Tolerance to BPH; stress tolerant	10					75	31000	105000	74000	3.4
TO-2 : 145-150 days , Medium slender, Panicle length: 27.8 cm, Average yield: 55-60 q/ha; Tolerant to BPH; Adaptability in rainfed& irrigated medium land 145-150 days , Medium slender, Panicle length: 27.8 cm, Average yield: 55-60 q/ha; Tolerant to BPH; Adaptability in rainfed& irrigated medium land 145-150 days , Medium slender, Panicle length: 27.8 cm, Average yield: 55-60 q/ha; Tolerant to BPH; Adaptability in rainfed& irrigated medium land	10					65	30000	91000	61000	3.0

OFT-11

1.	Title of On farm Trial	Assessment of yield performance of Amur carp in composite pisci culture
2.	Problem diagnosed	Slow growth rate of mrigal affects the average yield from composite pisciculture
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP – Stocking only IMC TO 1 – Stockimg catla : rohu : mrigala : amur carp(3000 : 4000 : 2000 : 1000)@ 10000 fingerlings / ha along with other recommended practice. TO 2 - Stockimg catla : rohu : mrigala : amur carp(3000 : 4000 : 1000 :2000)@ 10000 fingerlings / ha along with other recommended practice
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NFDB 2012
5.	Production system and thematic area	Production and management
6.	Performance of the Technology with performance indicators	Yield/ ha , B: C ratio
7.	Final recommendation for micro level situation	Stockimg catla : rohu : mrigala : amur carp(3000 : 4000 : 2000 : 1000)@ 10000 fingerlings / ha aiong with other recommended practice
8.	Constraints identified and feedback for	Amur carp is better than mrigal for growth point of view

	research	
9.	Process of farmers participation and their reaction	Actively participated .Amur carp growth is better than mrigal

Thematic area: production and management

Problem definition: Less growth and low yield

Technology assessed: Yield performance of Amur carp in composite pisci culture

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP – Stocking of only IMC	04(2ha)					17.5	96000	210,000	114,000	2.18

TO 1 - Stockimg catla : rohu : mrigala : amur carp(3000 : 4000 : 2000 : 1000)@ 10000 fingerlings / ha aiong with other recommended practice.	04(2ha)					22.9	119500	274,800	134,600	2.6
TO 2 - Stockimg catla : rohu : mrigala : amur carp(3000 : 4000 : 1000 :2000)@ 10000 fingerlings / ha aiong with other recommended practice	04(2ha)					21.2	113900	254,000	122,000	2.23

OFT-12

1.	Title of On farm Trial	Assessment of humic acid as a sub statute for raw cow dung for enhancing production in community pond
2.	Problem diagnosed	No use of of fertilizer and manure for community pond for sustainable natural food due to social issue

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP – Stocking fish seed without fertilizer and manure application TO 1 – Application of humic acid @1L / ac-m / month TO 2 – Application of humic acid@ 2L /ac –m / month
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	COF ,OUAT -2010
5.	Production system and thematic area	Production and management
6.	Performance of the Technology with performance indicators	Plankton (ml) ,Yield /ha ,B: C ratio
7.	Final recommendation for micro level situation	TO 1 – Application of humic acid @1L / ac-m / month
8.	Constraints identified and feedback for research	Humic acid is better than raw cow dung for water quality point of view
9.	Process of farmers participation and their reaction	Actively participated . Humic acid is safer than raw cow dung for water quality point of view

Thematic area: production and manage ment

Problem definition: low productivity and less yield

Technology assessed: Humic acid as a sub statute for raw cow dung for enhancing production in community pond

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP – Stocking fish seed without fertilizer and manure application	04(2ha)					21.5	150500	258000	107500	1.71
TO 1 – Application of humic acid @1L / ac-m / month	04(2ha)					24.5	158920	294000	135080	1.85
TO 2 – Application of humic acid@ 2L /ac –m /	04(2ha)					24.7	168400	296400	128000	1.76

month										

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.	Paddy	IPM	Spraying of Chlorantraniliprole 20%SC @ 3.5 ml / 15 l of water	1	1			1		8	1	9	1	10	
2	Paddy	IPM	Spraying of Flonicamide 50% WG @ 150 gm / ha	1	1					8	2	8	2	10	

Details of farming situation

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

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
Black gram	IPM	Installation of yellow sticky trap @ 50 traps / ha & spraying of difenthurion @0.5 ml/l of water	10	1	7.5	5.2	44.23	30800	52500	21700	1.70	24600	36400	11800	1.47

* 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

Onion	Varietal evaluation	Demonstration of kharif onion variety Bhima Dark Red	5	0.4	250	206	21.00	82	65	139664	250000	110336	1.79	137333	206000	68667	1.50
Tomato	Varietal evaluation	Demonstration of hybrid tomato var. ArkaRaksha k	5	0.4	578.2	280.9	105.83	70	58	62500	150000	87500	2.40	60000	123450	63450	2.06
Aromatic plant	ICM	Demonstration of aromatic plant, Palmarosa	5	0.4	Continuing												
Marigold	Varietal evaluation	Demonstration of high yielding variety marigold var. PusaNarangi	5	0.4	138	124	10.14	28.25	17.12	80000	267000	196000	3.45	75000	248000	173000	3.31
Watermelon	IDM	Spraying of trifloxystrobin @ 1ml/l of water	10	1	248	152	63.15	4.6	35	64600	124000	59400	1.91	50200	76000	25800	1.51
	Total																

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Body weight at 4 months		% change in major parameter	Mortality %		No of eggs/bird		*Economics of demonstration (Rs.)	*Economics of check (Rs.)						
					Demonstration	Check		Demonstration	Check	Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Poultry	Poultry management	Demonstration on rearing of dual purpose backyard poultry in semi intensive system	10	10	2.58 kg	0.55 kg	369.09	20	50	110	60	3445	12800	Rs 9335	3.71	1800	3750	Rs 1950	2.08

* 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

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Yield (kg / 3 months of age /bird)		% change in major parameter	Parameters (Eggs/3 months / 10birds)		*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
Poultry	Poultry management	Demonstration of small scale quail farming	10	10	0.22	1.2	81.66	330 nos.	-	810	1730	920	2.13	4290	6000	1710	1.39

Livestock

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

Dairy	Feed management	Demonstration of feeding bypass fat on quantity and quality of milk production	10	10	12.5 lt/animal/day	10 lt/animal/day	25	Fat-4.4 SNF-8.53	Fat-4.0 SNF-8.6	4670	11250	6580	2.40	4500	9000	4500	2

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Weight at birth (kg)		% change in major parameter	Other parameter(Yield /kid-kgat 4 months of weaning age)		*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
Sheep and goat	Goat management	Demonstration on periparturient concentrate feeding on birth weight of kids	10	10	1.92	1.27	51.18	6.2	5.4	1242	7440	6148	5.98	850	4860	4010	5.71

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
IMC	Production and management	Perfomance of farm made low cost feed in grow out carp culture	05	05	Avg wt -650 gm ,	Avg wt -450gm ,	44 %	FCR -3.2	FCR -2.6	122900	258000	117600	2.1	90000	162000	72000	1.8

IMC	Production and management	Demonstration on use of vit – mineral premix in carp culture	05	05	Plankton density- 2.8ml / 50 lt water	Plankton density- 1.8ml / 50 lt water	55%	PH -7.8	PH – 7.6	141565	325600	184035	2.3	137352	233500	96148	1.7
	Total																

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

Other 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 (Mango)	Preparation of mango split by pit method	5	5	28 kg/ qtl	25 kg / qtl				1668	1272	610	1.3	1660	1000	(-) 660	0.6
(Char seed)	Decortication of stone by an electric run pulveriser	5	5	730 gm / 4kg	880 gm /4 kg				538	1340	802	2.5	1388	700	(-) 688	0.52
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	Production / unit(10beds)		% change in major parameter	Biological efficiency		*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
Enterprise	Management of paddy straw mushroom beds during summer season	10	10	10kg	7 kg	42.85	10%	7%	800	200	1200	2.5	730	140	670	1.9

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Yield		% 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
Enterprise	Demonstration on preparation of RTS from mango for income generation of farm women	10	10	830bottle (200ml)	20kg	--	-	-	5770	12450	6680	1.12	800	900	100	2.1

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Production / unit		% change in major parameter	Dry wt. Gm/kg		Storage Period (month)		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Demonstration of low cost technology for drying of Oyster Mushroom	10	10	980gm	850gm	15.29	98	85	11	2.5		980		1.75		595		1.08

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Field capacity (kg/hr)		Rate of processed dal (Rs / kg)		Production from 100 kg dal		Labour (MDs/q)		Economics of demonstration (Rs.) or Rs./unit*				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check	Demonstration	Check	Demonstration	Check	Demonstration	Check	Gross Cost of 100 kg dal	Gross Return	Net Return	** BCR	Gross Cost of 100 kg dal	Gross Return	Net Return	** BCR

Enterprise	Demonstration of Akola mini dal mill for processing of pigeon pea for income generation of farm women	10	1	4q/day	15 (kg/day)	80	70	70 kg	60 kg	1MDs/q	6.6	5300	5600	300	1.05	5000	4600	2648	0.61

* 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									

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

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter	Economics (Rs./ha)

Cereals				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										

Others (Pl. specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	26.6.18	1	25	For F and FW
		28.6.18	1	25	For F and FW
		2.8.18	1	25	For F and FW
		10.8.18	1	25	For F and FW
		14.8.18	2	50	For F and FW
		11.9.18	1	25	For F and FW
		18.1.19	1	15	For RY
3.	Media coverage				
4.	Training for extension functionaries				

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2018 and Rabi 2018-19:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Groundnut Kharif 2018	Local	13.4	110	296	510	Improved seeds (Devi), Line showing behind the plough, Installation of Pheromone traps @ 20 traps for Ha, Spraying of thiamethoxam @ 5 gm/15 litre of water for aphids, 2 No of Spraying of Borax 0.02% 2gm/lt of water during flowering stage , Spraying of Metalxyl mancozeb 2gm/lt of water for Tikka disease ,	40	20	19.8	17.00	18.3	26.20	-5.47	-1.08

							Release of Trichocards @ 50,000 eggs per Ha, Spraying of Emamectin Benzoate 3.5ml / 15 lt of water twice								
2	Sesamum Kharif 2018	Local	3.5	2	43	208	Improved seeds (GT-10), Spraying of Multineem @ 5 ml/lt of water, Spraying of Metalxyl mancozeb 2gm/lt of water for Leaf spot, Spraying of thiamethoxam @ 5 gm/15 litre of water for aphids & white fly , , Release of Trichocards @ 50,000 eggs per Ha for Pod Borer & Spraying of Emamectin + Benzoate 3.5 ml/15 lt of water for Leaf eating caterpillars & Pod Borers	20	10	7	5.8	6.4	81.81	62.84	14.69
3	Pigeonpea Kharif 2018	Local	8.6	-38	36	640	Improved seeds(PRG 176), Seed treatment with(Carboxin + Thiram) @ 2gm/kg seed , Spraying of ImIizathapyr @ 2ml/lt of water 21 DAS ,Installation of Pheromone traps@ 20/ha ,spraying of multi neem @5ml/lt, Release of trichograma chilonis 50,000 eggs/ha and spraying of prophenophos+ cypermethrin @ 2ml/lt.	40	20	15.2	12.6	14.8	80.04	65.17	-1.33
4	Blackgram Rabi 2018-19	Local	5.6	-	-	440	Improved seeds(PU-31), Spraying of ImIizathapyr @ 2ml/lt of water 21 DAS , ,spraying of multi neem @5ml/lt, Installation of Yellow sticky traps @ 50 traps per Ha, Release of trichogramma pretiosum 50,000 eggs/ha and spraying of Emamectin Benzoate @ 50 gm /Ac	40	20	8.4	6.9	7.8	68.10	72.18	-22.0

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	Improved seeds (Devi), Line showing behind the plough, Installation of Pheromone traps @ 20 traps for Ha, Spraying of thiamethoxam @ 5 gm/15 litre of water for aphids, 2 No of Spraying of Borax 0.02% 2gm/lt of water during flowering stage , Spraying of Metalxyl mancozeb 2gm/lt of water for Tikka disease , Release of Trichocards @ 50,000 eggs per Ha, Spraying of Emamectin Benzoate 3.5ml / 15 lt of water twice	42,900	53,600	10,700	1.24	48,600	73,200	24,600	1.50
2	Improved seeds (GT-10), Spraying of Multineem @ 5 ml/lt of water, Spraying of Metalxyl mancozeb 2gm/lt of water for Leaf spot, Spraying of thiamethoxam @ 5 gm/15 litre of water for aphids & white fly , , Release of Trichocards @ 50,000 eggs per Ha for Pod Borer & Spraying of Emamectin + Benzoate 3.5 ml/15 lt of water for Leaf eating caterpillars & Pod Borers	18,300	21,000	2,700	1.14	22,000	38,400	16,400	1.74
3	Improved seeds(PRG 176), Seed treatment with(Carboxin + Thiram) @ 2gm/kg seed , Spraying of ImIizathapyr @ 2ml/lt of water 21 DAS ,Installation of Pheromone traps@ 20/ha ,spraying of multi neem @5ml/lt, Release of trichograma chilonis 50,000 eggs/ha and spraying of prophenophos+ cypermethrin @ 2ml/lt.	30300	60200	29900	1.98	45100	103600	58500	2.29
4	Improved seeds(PU-31), Spraying of ImIizathapyr @ 2ml/lt of water 21 DAS , ,spraying of multi neem @5ml/lt, Installation of Yellow sticky traps @ 50 traps per Ha, Release of trichogramma pretiosum 50,000 eggs/ha and spraying of Emamectin Benzoate @ 50 gm /Ac	24800	39200	14400	1.58	31900	54600	22700	1.71

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	Groundnut Devi	36,700	827.50	40	2400	1200	Domestic Purpose	80
2	Sesamum (GT-10)	12800	625	60	200	100	Domestic Purpose	Self-14, Hired-16

3	Pigeonpea (PRG 176)	29600	680	70	800	1600	Domestic Purpose	65
4	Blackgram (PU-31)	15600	360	70	800	400	Domestic	50

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1	Improved seeds (Devi), Line showing behind the plough, Installation of Pheromone traps @ 20 traps for Ha, Spraying of thiamethoxam @ 5 gm/15 litre of water for aphids, 2 No of Spraying of Borax 0.02% 2gm/lt of water during flowering stage , Spraying of Metalxyl mancozeb 2gm/lt of water for Tikka disease , Release of Trichocards @ 50,000 eggs per Ha, Spraying of Emamectin Benzoate 3.5ml / 15 lt of water twice	Medium Duration ,Small seed, Pods are 2 seeded & suitable for Rabi-Summer Season	Bold Seeded	Farmers can use their own seed in future & adopt the low cost technology like seed treatment & Sowing behind the Plough.	No	Yes	-
2	Improved seeds (GT-10), Spraying of Multineem @ 5 ml/lt of water, Spraying of Metalxyl mancozeb 2gm/lt of water for Leaf spot, Spraying of thiamethoxam @ 5 gm/15 litre of water for aphids & white fly , , Release of Trichocards @ 50,000 eggs per Ha for Pod Borer & Spraying of Emamectin + Benzoate 3.5 ml/15 lt of water for Leaf eating caterpillars & Pod Borers	Medium duration, bold seeded & suitable to Sesamum-fallow cropping system	Brown colour	Farmers can used their own seed in future	-	Yes	-
3	Improved seeds(PRG 176), Seed treatment with(Carboxin + Thiram) @ 2gm/kg seed , Spraying of ImIizathapyr @ 2ml/lt of water 21 DAS ,Installation of Pheromone traps@ 20/ha ,spraying of multi neem @5ml/lt, Release of trichograma chilonis 50,000 eggs/ha and spraying of prophenophos+ cypermethrin @ 2ml/lt.	Long duration & bold seeded & Suitable to upland current fallows or Canal Bund	Bold Seeded	Farmers can used their seed in Future	No	Yes	-
4	Improved seeds(PU-31), Spraying of ImIizathapyr @ 2ml/lt of water 21 DAS , ,spraying of multi neem @5ml/lt, Installation of Yellow sticky traps @ 50 traps per Ha, Release of trichogramma pretiosum 50,000 eggs/ha and spraying of Emamectin Benzoate @ 50 gm /Ac	Medium duration , Bold seeded & suitable to	Bold Seeded	Farmers can used their seed in future & adopt the low cost technology of	No	Yes	-

		summer rice fallows & suitable for all seasons.		Installing Yellow sticky Trap.			

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Variety (Devi)	18-20 Nos of Pods/Plant,Bold seeded & Average yield of 18.3 q/ha	36.56% Increases yield over local check	Average yield, suitable for both Kharif & rabi season & no serious disease found in cropping season
Variety(GT-10)	40-50 Nos capsules/pod & 4-5 branches/plant , 45% of oil content & average yield of 6.4q/ha	82.85% Increase yield over local check	Long duration & average yield performance
Variety (PRG-176)	Plant height 140-220cm , 200-242 nos of Pods/Plant & average yield of 14.8q/ha	72.09% increase yield over local check	High yielding , long duration registant to diseases like fusarium wilt & sterility mosaic.
Variety (PU-31)	Bold seeded , Irrect Type , 7.8 q/ha average yield	39.28% Increase yield over local check	Medium duration ,good yield performance & powdery mildew resistant

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Training on Improved package & practices of Sesamum Cultivation	24.09.2018 & MAJHI SAHI (SADAR BLACK)	25
2	Training on Improved package & practices of Groundnut Cultivation	29.09.2018 & NUAGAON (SADAR BLOCK)	30
3	Field Day on Groundnut	13.11.2018 & NUAGAON (SADAR BLOCK)	30
4	Field Day on Sesamum	02.02.2019 & MAJHI SAHI(SADAR	25

		BLOCK)	
5	Training programme on Improved package & practices of Pigeonpea cultivation	28.09.2018 & MADHAPUR (GONDIA)	30
6	Field Day on PIGEONPEA Cultivation	28.02.2019 & MADHAPUR (GONDIA)	30
7	Improved Package & practices of Blackgram Cultivation	02.03.2019 & Sogar (Kamakhyanagar)	30
8	Field Day on Blackgram Cultivation	28.03.2019 & Sogar (Kamakhyanagar)	30

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

H. Farmers' training photographs (Separate file attached)

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.)
Groundnut Kharif 2018	i) Critical input		2,15,185.00	
	ii) TA/DA/POL etc. for monitoring		18860.00	
	iii) Extension Activities (Field day)		4,500.00	
	iv)Publication of literature + Flex		640.00	
	Total	**2,40,000.00**	**2,39,185.00**	**815.00**
Sesamum Kharif 2018	i) Critical input		43,476.00	
	ii) TA/DA/POL etc. for monitoring		730.00	
	iii) Extension Activities (Field day)		3750.00	
	iv)Publication of literature(Flex)		520.00	
	Total	**50,000.00**	**48,476.00**	**1524.00**
Pigeonpea Kharif 2018	i) Critical input		1,58,736.00	
	ii) TA/DA/POL etc. for monitoring		11660.00	
	iii) Extension Activities Training &(Field day)		4500.00	
	iv)Publication of literature(flex)		640.00	
	Total	**1,78,800.00**	**1,75,536.00**	**3,264.00**
Blackgram (Rabi 2018-19)	i) Critical input		1,68735.00	
	ii) TA/DA/POL etc. for monitoring		6125.00	
	iii) Extension Activities (Field day) + Training		4500.00	
	iv)Publication of literature(flex)		640.00	
	Total	**180,000.00**	**180000.00**	**Nil**

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													
Water management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													

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
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													

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
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													

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 Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													

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
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													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													

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
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													

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, if any													
VII. Plant Protection													

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 Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
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													

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
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Prestocking pond management													
Indentification of different cultivable fishes and stocking procedure													
Water quality management													
Post stocking management													
IX. Production of Inputs 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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													

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
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													

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

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery 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
implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development	1	0	14	14	0	1	1	0	0	0	0	15	15
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
TOTAL													

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													
Value addition													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													

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
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
TOTAL													

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													

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
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	2	2	4	-	-	-	2	19	21	4	21	25
Water management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops	1	5	4	9	-	1	1	4	10	14	9	16	25
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													

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
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													

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
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology	1	-	-	-	-	-	-	16	9	25	16	9	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
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology	1	10	3	13	-	-	-	11	1	12	21	4	25
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management	1	22	0	22	3	0	3	0	0	0	25	0	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
Piggery Management													
Rabbit Management													
Disease Management	2	24	0	24	1	0	1	14	11	25	39	11	50
Feed management	1	0	13	13	0	12	12	0	0	0	0	25	25
Production of quality animal products													
Others, if any Goat farming	1	25	0	25	0	0	0	0	0	0	25	0	25
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	0	19	19	0	5	5	0	1	1	0	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
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development	1	0	24	24	0	1	1	0	0	0	0	25	25
Value addition	1	0	17	17	0	8	8	0	0	0	0	25	25
Income generation activities for empowerment of rural Women	1	0	25	25	0	0	0	0	0	0	0	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
Location specific drudgery reduction technologies	1	0	0	0	0	0	0	0	25	25	0	25	25
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management	4	64	8	72	3	0	3	22	3	25	89	11	100
Integrated Disease Management	2	38	4	42	2	0	2	6	0	6	46	4	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
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													

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
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn	01							20	05	25	20	05	25
Breeding and culture of ornamental fishes	01	16	04	20		05	05				20	05	25
Portable plastic carp hatchery	01	04	19	23		02	02				04	21	25
Pen culture of fish and prawn	01	21	04	25							21	04	25
Shrimp farming													
Edible oyster farming													
Pearl culture													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer 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
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													
Others, if any													

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
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, if any													

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
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL													

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													

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
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													

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
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
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
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL													

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													

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
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													

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 use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL													

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed 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
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	2	2	4	-	-	-	2	19	21	4	21	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
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops	1	5	4	9	-	1	1	4	10	14	9	16	25
Off-season vegetables													
Nursery raising													

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
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL													
b) Fruits													
Training and Pruning													

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
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, if any(INM)													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													

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
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology	1	-	-	-	-	-	-	16	9	25	16	9	25
Processing and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
TOTAL													
f) Spices													
Production and Management technology	1	10	3	13	-	-	-	11	1	12	21	4	25
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													

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													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													

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 Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL													

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
IV. Livestock Production and Management													
Dairy Management													
Poultry Management	1	22	0	22	3	0	3	0	0	0	25	0	25
Piggery Management													
Rabbit Management													
Disease Management	2	24	0	24	1	0	1	14	11	25	39	11	50
Feed management	1	0	13	13	0	12	12	0	0	0	0	25	25
Production of quality animal products													
Others, if any (Goat farming)	1	25	0	25	0	0	0	0	0	0	25	0	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
TOTAL													
V. Home Science/Women empowerment	1	0	19	19	0	5	5	0	1	1	0	25	25
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													
Gender mainstreaming through SHGs													

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
Storage loss minimization techniques	1	0	24	24	0	1	1	0	0	0	0	25	25
Enterprise development	1	0	17	17	0	8	8	0	0	0	0	25	25
Value addition	1	0	25	25	0	0	0	0	0	0	0	25	25
Income generation activities for empowerment of rural Women	1	0	0	0	0	0	0	0	25	25	0	25	25
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
TOTAL													
VI.Agril. Engineering													
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													

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
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	4	64	8	72	3	0	3	22	3	25	89	11	100
Integrated Disease Management	2	38	4	42	2	0	2	6	0	6	46	4	50
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													

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, if any													
TOTAL													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Hatchery management and culture of freshwater prawn	01							20	05	25	20	05	25
Breeding and culture of ornamental fishes	01	16	04	20		05	05				20	05	25
Portable plastic carp hatchery	01	04	19	23		02	02				04	21	25
Pen culture of fish and prawn	01	21	04	25							21	04	25
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer 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
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													
Others, if any													

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

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, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													

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

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
Mushroom Production													
Bee-keeping													

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													
Vermi-culture													
Sericulture													
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
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat 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
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													

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
Tailoring and Stitching													
Rural Crafts													
Enterprise development	1	0	14	14	0	1	1	0	0	0	0	15	15
Others if any (ICT application in agriculture)													
TOTAL													

iii. Extension Personnel (On and Off Campus)

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

		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													

Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													

Crop intensification													
Others if any													
TOTAL													

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Home Science	F and FW	Market demand led products of mango	1	Off	0	25	25	0	8/0	8
Home Science	F and FW	Climate resilient technology for mushroom production	1	Off	0	25	25	0	0	0
Home Science	F and FW	User friendly approaches for assessing household nutrition security	1	Off	0	25	25	0	5/1	6
Home Science	F and FW	Awareness on preparation of beverages from aloe vera	1	Off	0	25	25	0	1/0	1
Home Science	F and FW	Popularising gender friendly farm implements	1	Off	0	25	25	0	0/25	25
Home Science	RY	Rural youth and startup in village farm enterprises	1	On	0	15	15	0	1/0	1
Animal Science	F and FW	Importance of livestock insurance	1	Off	25	0	25	1/0	0	1
Animal Science	F and FW	Information on different backyard breeds	1	Off	25	0	25	3/0	0	3
Animal Science	F and FW	Importance of feeding periparturient concentrate feed in pregnant does	1	Off	25	0	25	0	0	1
Animal Science	F and FW	Importance of control of ecto and endo parasitic 1infestations in small ruminants	1	Off	14	11	25	0/14	0/11	25
Animal Science	F and	Importance of mineral mixture in livestock	1	Off	0	25	25	0	12/0	12/0

	FW									
Plant Protection	F and FW	Management of blast,sheath blight and BLB disease in paddy	1	Off	18	7	25	0/18	0/7	0/25
Plant Protection	F and FW	IPM in paddy	1	Off	15	10	25	0	0/3	0/3
Plant Protection	F and FW	Integrated pest and disease management in tuber crops	1	Off	24	1	25	0/2	0/0	0/2
Plant Protection	F and FW	Identification and management of different pest and diseases in groundnut	1	Off	5	20	25	1/1	1/8	2/9
Plant Protection	F and FW	Integrated pest and disease management in mango	1	Off	22	3	25	1/10	0	1/10
Plant Protection	F and FW	Identification and management of different pest and diseases in sesamum	1	Off	25	0	25	0/25	0	0/25
Horticulture	F and FW	Cultivation practices of tuber crops	1	Off	10	15	25	0/10	0/15	0/25
Horticulture	F and FW	Production technology of improved brinjal variety	1	Off	7	18	25	0/5	0/10	0/15
Horticulture	F and FW	Weed management in Kharif Onion	1	Off	22	3	25	0/12	0	0/12
Horticulture	F and FW	INM in tomato	1	Off	5	20	25	0/2	0/20	0/22
Fishery	F and FW	Prestocking pond management	2	Off	22	3	25	0/22	0/3	0/25
Fishery	F and FW	Identification of different cultivable fishes and stocking procedure	1	Off	16	9	25	0	5/0	5/0
Fishery	F and FW	Water quality management in stocking pond	1	Off	21	4	25	0	1/0	1/0
Fishery	F and FW	Feed management in carp culture	1	Off	25	0	25	0	0	0

H) Vocational training programmes for Rural Youth

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	Number	Number of persons employed	

							units	of units		

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

Sl. No	Title	Thematic area	Month	Duration (days)	Client PF/RY/EF	No. of courses	No. of Participants										Sponsoring Agency
							Male			Female			Total				
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	Mushroom grower	Mushroom production	25.1.19-19.2.19	25	RY	1	8	1	1	7	2	1	15	3	2	20	ASCI
2	Mango grower	Commercial fruit production	21.1.19-16.2.19	25	RY	1	14	1	0	5	0	0	19	1	0	20	ASCI

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	4	73	27	100	17	6	3	9	79	30	109
KisanMela	0	0	0	0	0	0	0	0	0	0	0
KisanGhosthi	7	59	11	70	25	2	1	3	61	12	73
Exhibition	5	2800	390	3190	32	46	14	60	2846	404	3250
Film Show	7	225	50	275	19	0	0	0	225	50	275
Method Demonstrations	23	222	30	252	13	17	6	23	239	36	275
Farmers Seminar	0	0	0	0	0	0	0	0	0	0	0
Workshop	0	0	0	0	0	0	0	0	0	0	0
Group meetings	15	185	85	270	11	18	12	30	203	97	300
Lectures delivered as resource persons	20	320	210	530	27	0	0	0	320	210	530

Advisory Services	63425	53872	9553	63425	35	0	0	0	53872	9553	63425
Scientific visit to farmers field	412	1516	261	1777	22	34	21	55	1550	282	1832
Farmers visit to KVK	645	595	50	645	12	0	0	0	595	50	645
Diagnostic visits	95	2375	330	2705	11	38	7	45	2413	337	2750
Exposure visits	6	25	15	40	10	2	3	5	27	18	45
Ex-trainees Sammelan	1	35	15	50	11	0	0	0	35	15	50
Soil health Camp	0	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	1	185	60	245	60	3	2	5	188	62	250
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	55	2135	665	2800	27	35	15	50	2170	680	2850
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	3	0	70	70	9	2	3	5	2	73	75
Mahila Mandals Conveners meetings	2	0	43	43	7	2	5	7	2	48	50
Celebration of important days (specify) World food day	1	15	32	50	100	2	1	3	17	35	53
Sankalp Se Siddhi	0	0	0	0	0	0	0	0	0	0	0
Swatchta Hi Sewa	18	335	140	475	17	3	2	5	338	142	480
Mahila Kisan Divas	1	0	25	25	20	1	2	3	1	27	28
World Soil day	1	146	4	150	12	37	13	50	183	8	250
Jai Kisan Jai Vigyan	1	29	21	50	2	5	3	8	34	24	58
World Environment Day	1	20	5	25	3	0	0	0	20	5	25

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	25
Radio talks	3
TV talks	0
Popular articles	0
Extension Literature	0
Other, if any	0

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Paddy	Pooja	156	472836				
Grand Total							

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower	Early snowball	400	800	2	4	9	15
Cabbage							
Tomato	Arka rakshak	12800	25600	1	2	10	13
Brinjal	Swarna Shyamli	22000	22000	2	1	5	8
Chilli	Utkal Abha	5050	5050	1		4	5
Onion	Bhima Dark Red	300000	15000		2	7	9
Papaya	Pusa Nanha	440	6600	2		6	8
Drumstick	Bhagya	1070	16050	7	9	24	40
Broccoli	PusaKTS-1	10000	10000	1		4	5
Marigold	Pusa Narangi	10100	12120	1	2	7	10
Fruits							
Mango							
Guava							
Lime							
Papaya							
Banana							
Others							
Ornamental plants							
Medicinal and Aromatic							
Plantation							
Spices							
Turmeric							
Tuber							
Elephant yams							
Fodder crop saplings							
Forest Species	Red sanders and Amla	225	4500	1	3	4	8
Paddy straw mushroom	*Volvarea volvacea*	137 kg	10275	15	10	95	120
Oyster mushroom	*P.sajarcaju*	108kg	5400	9	13	48	70
Honey		4 kg	1200			4	4
Total							

Production of Bio-Products

Name of product	Quantity	Value (Rs.)	No. of Farmers benefitted			
	Kg		SC	ST	Other	Total
Bio-fertilizers(Vermi compost)	1990	19900	2	4	11	17
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
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat							
Other, please specify							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)	Pallishree, Aseel, Kadaknath, Chabro	1607	88435	15,8,25,48			
Japanese Quail		190	9500	2,1,4,7			
Turkey							
Emu							
Ducks							
Others (Pl. specify)							

Piggery				
Piglet				
Hog				
Others (Pl. specify)				
Fisheries				
Indian carp	Catla,rohu,mrigal	531kg	69030	40,17,55,112
Exotic carp				
Mixed carp				
Fish fingerlings	Catla,rohu,mrigal	321550 nos	88040	35,14,47, 96
Spawn				
Others (Pl. specify)				
Grand Total				

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

i) Name of Seed Hub Centre:

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

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2018						
Rabi 2018-19						
Summer/Spring 2019						

iii) Financial Progress

Fund received (2016-17, 2017-18 and 2018-19)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		

2016-17	0	401604	116830 (RF)	
2017-18	300000	156131	612148 (RF)	
2018-19	2105000	353175	165974 (RF)	

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				
Seminar/conference/ symposia papers				
Books				
Bulletins				
News letter	Sabuja Barta	All Scientists	500	500
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature	1.Baigyanika pranali re chatu chasa 2.Mango Cultivation	1.Sasmita Pal,Scientist(Home Science) 2.Dibya Sundar Kar,Scientist(Horticulture)	25 25	20 20
Technical reports		All Scientists	15	
Electronic Publication (CD/DVD etc)				
TOTAL				

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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Training of trainers	Training of trainers programme under Skill development training programme	Smt.Sasmita Pal,Scientist(Home Science)	18-20.09.2018 and 3 days	ATARI,Kolkata
2.	Short course	Ergonomical interventions for designing women friendly agricultural technologies for reduction of occupational health hazards	Smt.Sasmita Pal,Scientist(Home Science)	11-20.12.2018 and 10 days	FMP,CAET,OUAT,BBSR
3.	MDP	Management development programme for newly recruited SSHs at ICAR NAARM, best KVK and ICAR ATARI	Dr.Bimalendu Mohanty,Senior Scientist and Head	4.12.18 to 8.01.2019 and 36 days	MANAGE,Hyderabad
4.	MDP	Management development programme at MANAGE, Hyderabad	Dr.Bimalendu Mohanty,Senior Scientist and Head	27-30.8.18 and 4 days	MANAGE,Hyderabad
5.	Training of trainers	Training of trainers programme under Skill development training programme	Sri Dibya Sundar Kar,Scientist(Horticulture)	18-20.09.2018 and 3 days	ATARI,Kolkata
6.	Training	"Improved horticulture technology" at IIHR Bengaluru	Sri Dibya Sundar Kar,Scientist(Horticulture)	4.4.18-6.4.18 and 3 days	IIHR,Bengaluru
7.	Orientation course	IPM in important field and horticultural crops of West Bengal,Odisha and Andaman and Nicobar Islands	Sri Debasis Panda,Scientist(Plant Protection)	13.12.18-15.12.18 and 3 days	ATARI,Kolkata

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 Paresh Kumar Jena
Address	AT- Gobindprasad, G.P- Bhapur, Block-Odapada, Dist.- Dhenkanal
Contact details (Phone, mobile, email Id)	8658327600
Landholding (in ha.)	22 acres (8.8 ha)
Name and description of the farm/ enterprise	Vegetables- 6 ha, Fish pond- 2 ha, Paddy- 0.8 ha He has installed drip irrigation system in vegetables along with mulching. Crops- Pointed gourd, tomato, brinjal, bitter gourd
Economic impact	Rs. 6- 10 lakh from vegetables and Rs. 5.0 lakh from fish
Social impact	He is a respected person in the locality as well as in Agriculture, Horticulture and other allied

	Departments
Environmental impact	The uplands have been converted to green fields.
Horizontal/ Vertical spread	Many farmers of the nearby villages have been motivated to go for vegetables, some have gone for fish farming

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

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

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

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

b. Give details of organic farming practiced by the farmer

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

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

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

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

Sl. No	Name of the Equipment	Qty.
1.	Mridaparikshak	2 nos.
2.	Thermo hygrometer	1no.
3.	Hand refractometer	1no.
4.	Electronic automatic kelplus microprocessor based twenty place macro block digestion system	1no.
5.	Electronic acid neutralizer scrubber	1no.
6.	Electronic kelplus micro processor based automatic nitrogen distillation system	1no.
7.	Electronic titration system for kelplus system	1no.
8.	Flame photometer	1no.
9.	Spectrophotometer	1no.
10.	Servo Stabilizers	1no.
11.	Hot plate	1no.
12.	Micro processor based pH meter	1no.
13.	Onductivity meter	1no.
14.	Refrigerator	1no.
15.	Ele. Top Pan Balance	1no.
16.	Physical Balance	1no.
17.	Soil Augur	1no.
18.	Bouyoucos Hydrometer	1no.

19.	Mechanical Stirrer	1no.
20.	Colony Counter	1no.
21.	Plant Sample Grinder / Laboratory Mill	1no.
22.	Hot Water Bath	1no.
23.	Horizontal Shaker	1no.
24.	Distilled Water Unit	1no.
25.	Hot Air Oven	1no.
26.	Laboratory Centrifuge	1no.
27.	Sieves	1no.
28.	Soil Augur / Sampling Tube (Screw/tube)	1no.
29.	Soil Thermometer	1no.
30.	Olympus (Microscope) Model ML-14	1no.
31.	Olympus (Microscope) Model MS-13	1no.
32.	Bod Incubator	1no.

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			
249	0	249	249	25	0

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	Exhibition and distribution of soil health cards	200	-	-	20	200

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
1	3	0	450	55

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
12	0

ARS trainees trained	No of days stayed
0	0

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
18.5.18	Mr.S.N.Jayaram,Karnataka State Council for Sc and Tech, IISc, Bangalore	Installation of solar lights in KVK adopted villages
19.6.18	Dr.V.S.Pahil, National Consultant, NFSM, DAC&FW, Krishi Bhawan,New Delhi	To monitor KKA activities
4.9.18	Dr.Pravat kumar Pradhan, Scientist(PFDC),OUAT	Demonstration on plastic tunnel for nursery raising
14.8.18, 24.9.18, 25.10.18	Dr.Subash Mohapatra, OIC, AICRP on Agroforestry	Implementation of TSP, Training programme on pisciculture under TSP, Training programme on good management practices in poultry birds and chicks distribution
25.9.18	Dr.U.S.Pal, Research Engg., AICRP on post harvest management of CAET,OUAT,BBSR	To hand over akola mini dal mill for demonstration programme
13.10.18	Girija Srinivasan, IFAD Consultant	To discuss with KVK on status of small agricultural tools and implements
29.10.18	Dr.R.K.Das, Dy. Director, NHB, BBSR	To monitor KKA activities
10.1.19	Dr.Hemanta Sahoo, JDE, DEE, BBSR	To assess paddy damage area due to Titli

10.1.19	Dr.Amit Phongolosa, DDE, BBSR	To assess paddy damage area due to Titli
11.3.19	Dr.Manoranjan Mohapatra, JDE,DEE, OUAT, BBSR	For SAC meeting

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)
Mushroom cultivation round the year		20		

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

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread

Give information in the same format as in case studies

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

Sl. No.	Brief details of 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	Farm Mechanisation
Name of the Innovation	Development of a dry land weeder

Details of Innovator	Sri Rasananda Nayak, AT- Madhapur
Back ground of innovation	
Technology details	The weeder is walk behind type supported by a wheel mounted at the front along with fingers
Practical utility of innovation	The weeder can be used for weeding in vegetable crops

4.5. Details of entrepreneurship development

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

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Deptt. of Agr, Govt. of Odisha	Implementation of KVK activities
Deptt. of Horticulture, Govt. of Odisha	Implementation of KVK activities
Deptt. of Animal Res. Dev., Govt. of Odisha	Implementation of KVK activities
Deptt. of Fishreies, Govt. of Odisha	Implementation of KVK activities
ICAR Institutes- NRRI, IIWM, CIFA, CTCRI, CHES, CARI, CIWA	For getting technologies

OSSC	For getting seed and selling seed produced from instructional farm

5.2. List of special programmes undertaken during 2018-19 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq .mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Mushroom	2006-07	179	V.Volvacea,P.sajarcaju	Mushroom	245 kg	13229	15675	Public sale
2.	Polyhouse	2010-11	110	Arka rakshak,Early snow ball,Utkal Abha,Swarna Shyamli,Bhagya,Pusa KTS-1,Bhima Dark red	Vegetable seedlings	362060	35723	117820	Public sale,FLD and OFT
3.	Poultry		36	Aseel,Kadaknath,Chabro,Pallishree,Qu	21 days old chicks	1797	85482	97935	Public sale,FLD

				ail					and OFT
4.	Vermicompost	2010-11	179	E.foetida	Vermicom post	19.9 q	6791	20225	Public sale
5.	Pisciculture unit	2017-18	12 acre	IMC	Fish	531 kg	56180	69030	Public sale,OFT
6.	IFS	2011-12	338	IMC	Fish fry and Fingerling	321550 nos	35872	88040	Public sale,FLD and OFT

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Paddy	30.06.18	22.12.18	6	Pooja	FS	156	309670	472836	Will be sold to OSSC,Bhubaneswar

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	19.9 q	6791	20225	Public sale

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Poultry	Aseel,Kadaknath,Chabro,Pallishree,Quail	21 days old chicks	1797	85482	97935	Public sale,FLD and OFT
2.	Fish	IMC	Fish	531 kg	56180	69030	Public sale,OFT
3.	Fry and fingerling	IMC	Fry and fingerling	321550 nos	35872	88040	Public sale,FLD and OFT

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
			Had been occupied by students of Agro Polytechnic Centre
Total :			

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:

No. of staff quarters:6

Date of completion:

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
Sr. Scientist & Head-1						
Scientists & others -5						

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Contingency	SBI, ADB, Mahisapat	At/Po. Amalapada, Dhenkanal	10700059409
Revolving fund	SBI, ADB, Mahisapat	At/Po. Amalapada, Dhenkanal	30306531704

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	
Groundnut	240000		239185		815
Sesamum	100000		48476		51524

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2019
	Kharif	Rabi	Kharif	Rabi	
Pigeonpea	180000		174736		3264
Blackgram		180000		180000	0

7.4. Utilization of KVK funds during the year 2018-19 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances			
2	Traveling allowances	80000	80000	80000
3	Contingencies			
A	Oilseed	340000	340000	287661
B	Pulses	360000	360000	356736
C	NADEP Compost Pit	2100000	2100000	1120000
D	KKA -I and KKA – II	250000	250000	171200
E	ASCI	330400	330400	330400
F	Micro Irrigation System	100000	100000	100000
G	Repair and renovation	305000	305000	305000
H				
I				
J	Swachhta Expenditure			
TOTAL (A)				
B. Non-Recurring Contingencies				
1				
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				

GRAND TOTAL (A+B+C)			

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)
2015-16	24658	480495	327060	148447
2016-17	148447	370030	401604	0+401707 (kind)
2017-18	0	164835	156131	0
2018-19	0	353175	587201	165974+472836 (kind)

7.6. (i) Number of SHGs formed by KVKs:Nil
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities
Mushroom cultivation
Preparation of RTS from mango
Backyard poultry rearing
Nutritional garden
Nursery raising
Molasses from date palm
Rearing of ducks
(iii) Details of marketing channels created for the SHGs: Nil

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
Pack house verification	7	Round the year	Horticulture		

Solar dryer Verification	4	Round the year	Horticulture		
Nursery verification	15	Round the year	Horticulture		
Shed net house verification	12	Round the year	Horticulture		
Onion storage structure verification	3	Round the year	Horticulture		
Mushroom spawn unit verification	5	Round the year	Horticulture		
Cyclone(Fani) affected area verification	2	Round the year	Horticulture		
Cluster bore well formation	2	Round the year	OLIC		
Diagnostic field visits for BPH	8	Round the year	Agriculture		
Governing Body meeting	5	Round the year		ATMA	

8. Other information

8.1. Prevalent diseases in Crops

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

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru 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	15	57192
Livestock	12	
Fishery	8	
Weather	5	
Marketing		
Awareness	22	
Training information		
Other	15	
Total	77	57192

9.4. *KVK* Portal and Mobile App

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

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken

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		
4. Cleaning and beautification of surrounding areas		
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste		
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level		
8. Swachhta Workshops		
9. Swachhta Pledge		
10. Display and Banner		
11. Foster healthy competition		
12. Involvement of print and electronic media		
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)		
14. No of Staff members involved in the activities		
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)		
Total		

9.6. Observation of National Science day

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

9.10. Details of Swachhta Hi Sewa programme organized

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

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1		1	25		

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

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

9.13. Revenue generation

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

9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK

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

9.16. Contingent crop planning

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

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

a) Year:
b) Introduction / General Information:

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

11. Details of TSP

a. Achievements of physical output under TSP during 2017-18

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 2017-18 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2017-18

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 2017-18

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	

Crop Management

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

Livestock and fisheries

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

				M	F	M	F	M	F	M	F	T	

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

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

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

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

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1	Saptasajya Agro Producer Co-operative ltd	2017-18	-	Progressive farmers meet,buyer saler meet		245		
2	Odapada Agro Producer Co-operative limited	2017-18	-	Progressive farmers meet,exposure visit to other FPO		605		

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.	Under development	4 ha					

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					

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)	14	25	6.3.18	6	Training,OFT,FLD,Awareness Camp and other extension activities
II (up-to 24.04.218)					
Total	14	25			

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 2017-18 and 2018-19

Year	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 SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2016-17							
2017-18							
2018-19	Mushroom grower	Sasmita Pal	25.1.19	19.2.19	20	Y	164700
2018-19	Mango grower	Dibya Sundar Kar	21.1.19	16.2.19	20	Y	164700

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2018-19

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- I/ Phase-II/ Phase-III, if applicable

Krishi Kalyan Abhiyan- I and II

A. Training

Name of programme	***No. of programmes***	***No. of farmers benefitted***									***No. of officials attended the programme***
		SC		***ST***		***Others***		***Total***			
		M	***F***	***M***	***F***	***M***	***F***	***M***	***F***	***T***	
KKA-I	25	131	56	109	16	771	167	1011	239	1250	95
KKA-II		60	31	171	183	560	244	791	459	1250	99

B. Distribution of seed/ planting materials/ input/ others

Name of programme	No. of Programme	Total quantity distributed				No. of farmers benefited									No. of other officials (except KVK) attended the programme
		Seed (q)	Planting material (lakh)	Input (kg)	Other (kg/ No.)	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
KKA-I	25	248.1	.31990	-	-									8754	83
KKA-II	25	155.6	-	-	-									1778	76

C. Livestock and Fishery related activities

Name of programme	No. of Programme	Activities performed				No. of farmers benefited									No. of other officials (except KVK) attended the programme
		No. of animals vaccinated	No. of animals dewormed	Feed/ nutrient supplements provided (kg)	Any other (AI]	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
KKA-I	25	13380	-	-	849									6688	
KKA-II	25	7834	-	--	-									2206	

D. Other activities

Name of programme	*Activities*	*No. of farmers benefited*									*No. of other officials (except KVK) attended the programme*
		SC		*ST*		*Others*		*Total*			
		M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	T	
KKA-I	Soil Health Card Distributed									3899	39
	NADEP Pit established									160	12
	Farm implements distributed									0	0
	Others, if any										
KKA-II	Soil Health Card Distributed									1522	43
	NADEP Pit established									0	0
	Farm implements distributed									85	3
	Others, if any									0	0

Krishi Kalyan Abhiyan- III

No. of villages covered	*No. of animal inseminated*	*No. of farmers benefitted*									*Any other, if any (pl. specify)*
		SC		*ST*		*Others*		*Total*			
		M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	T	
-	*--*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*-*

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)






ASSESSMENT OF PADDY STRAW MUSHROOM
CULTIVATION IN CRUMPLED STRAW


FRONT LINE DEMONSTRATION


DEMONSTRA
CONCENTRATE FEEDING
No. of Demo: 30
Season: RABI 2018
Village:
Inputs Supplied:
KRISHI VIGYAN KE
ORISSA UNIVERSITY OF AGRICULTU


31/05/2018 13:07


KRISHI VIGYAN KENDRA, DHENK


2018:06:05 17:28


SKILL DEVELOPMENT TRAINING PROGRAMME
ON
MUSHROOM GROWER


KRUSHAK KALYAN ABHIYAN


2018.06.05 17:28


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