ANNUAL PROGRESS REPORT 2019-20

(April 2019 to March 2020)

ICAR

କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର

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KRISHI VIGYAN KENDRA

NAYAGARH

ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY

At: Panipoila, P.O.:Balugaon, Dist.: Nayagarh, PIN :752070, Odisha.

PROFORMA FOR ANNUAL REPORT 2019-20

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
Krishi Vigyan Kendra At-Panipoila Po-Balugaon Dist Nayagarh Pin-752070		-	kvknayagarh.ouat@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture & Technology, Bhubaneswar, Odisha	0674-2397362	0674-2397362	deanextensionouat@yahoo.com deanextension_ouat@rediffmail.com

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

Name	Telephone / Contact		
Dr. Anil Kumar Swain	-	9439024040 9438615702	anilkumarswainouat@gmail.com

1.4. Year of sanction of KVK: 2004

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	Mr. Pramod Kumar Prusti	Sr. Scientist & Head (I/C)	Plant Protection	15600-39100 + AGP-6000	24.05.18 to 18.10.2019	Temporary	Other
		Dr. Anil Kumar Swain	Sr. Scientist & Head	Fishery Science	15600-39100 + AGP-8000 (29320)	19.10.2019	Temporary	Other
2	Subject Matter Specialist	Mr.Pramod Ku Prusti (On Study Leave)	Scientist	Plant Protection	15600-39100 + AGP-6000	24.05.18	Temporary	Other
3	Subject Matter Specialist	Mr. Tribijayi Badjena	Scientist	Agril. Extension	15600-39100 + AGP-6000	7.04.10	Temporary	Other
4	Subject Matter Specialist	Dr. (Mrs.) Bijaya Laxmi Rout	Scientist	Home Sc.	15600-39100 + AGP-6000	25.01.16	Temporary	Other
5	Subject Matter Specialist	Er. (Mrs.) Suchismita Dwivedy	Scientist	Agri. Engg.	15600-39100 + AGP-6000	22.01.16	Temporary	Other
6	Subject Matter Specialist	Dr. (Mrs.) Lata Malik	Scientist	Soil Science	15600-39100 + AGP-6000	20.07.18	Temporary	Other
7	Subject Matter Specialist	Vacant	Scientist	Horticulture				
8	Programme Assistant	Mr. Bikram Keshari Parimanik	Programme Assistant	Forestry	9300-34800	16.10.06	Temporary	Other
9	Computer Programmer	Mrs. Rosalin Praharaj	Programme Assistant	Computer	9300-34800	10.03.06	Temporary	Other
10	Farm Manager	Mr. Debasish Nayak	Farm Manager	Agronomy	9300-34800	31.01.19	Temporary	Other
11	Accountant / Superintendent	Vacant	O Superintendent cum Accountant	Accountant cum Office Superintendent				
12	Stenographer	Mrs. T. Chhualasingh	Stenographer	Jr. Steno Cum Computer Operator	5200-20200	11.11.16	Temporary	Other
13.	Driver	Mr. Gopinath Kuanr	Driver	-	5200-20200	23.05.18	Temporary	Other
14.	Driver	Mr. Dillip Pradhan	Driver	-	5200-20200	18.02.19	Temporary	Other
15.	Supporting staff	Mr. Harihar Pradhan	Supporting staff	-	4440-7440	1.12. 14	Temporary	Other
16.	Supporting staff	Vacant	Supporting staff	-	4440-7440		Temporary	Other

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.0
2.	Under Demonstration Units	0.4
3.	Under Crops	1.16
4.	Orchard/Agro-forestry	1.2
5.	Others with details	2.97
6.	Permanent Gully	0.8
	Total	7.53 ha

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					Yes			ICAR
2.	Farmers Hostel					Yes			ICAR
3.	Staff Quarters (6)					Not Available			
4.	Piggery unit					Not Available			
5	Fencing					Yes		**500Meter for full completion**	
6	Rain Water harvesting structure					Not Available		**Urgent required**	
7	Threshing floor					Yes			RKVY
8	Farm Godown					Not Available		Required	
9.	Dairy unit					Not Available		Required	
10.	Poultry unit					Yes			ARYA
11.	Goatery unit					Not Available			
12.	Mushroom Lab					Yes			RKVY
13.	Mushroom prod. unit					Yes			ICAR
14.	Shade house					Not Available			
15.	Soil test Lab					Yes			ICAR
16	Poly house					Yes			RKVY
17	Vermicompost unit					Yes			ICAR
18	Poly house					Yes			ICAR

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	2020	8,00,000	13	New
Tractor	2005	420000	2212.5 (Running Hours)	Good
Motor Cycle	2005	51000	94,717	Good

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Soil testing lab equipment	2017-18	17.00,000	Workable condition	ICAR
Autoclave	2017-18	1,20,000	Workable condition	ICAR
Digital refractometer	2017-18	15000	Workable condition	ICAR
Drying cabinet	2017-18	20000	Workable condition	ICAR
Crown cap sealing machine	2017-18	6000	Workable condition	ICAR
Food processor	2017-18	5000	Workable condition	ICAR
Vacuum sealing machine	2017-18	2000	Workable condition	ICAR
b. Farm machinery				
Water pump (1.5 hp)	2017-18	10,000	Workable condition	ICAR
Drum Seeder	2017-18	3000	Workable condition	ICAR
Paddle Paddy Thresher	2017-18	6225	Workable condition	ICAR
c. AV Aids				
Computer	2017-18	38,000	Workable condition	ICAR
Inverter	2017-18	40000	Workable condition	ICAR
DSLR camera	2017-18	42000	Workable condition	ICAR
LCD Projector	2019-20	64,000	Workable condition	ICAR

D) Farm implements

Name of equipment	**Year of purchase**	**Cost (Rs.)**	**Present status**	**Source of fund**
Cultivator	-	-	Good	ICAR
M.B. Plough	2013	30,000	Good	ICAR
Land Leveler	2014	19500	Good	ICAR
Disc plough	2013	64000	Good	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.	21.11.19	20	Demonstration on different high value crops like baby corn and lemon grass.	One OFT has been planned on the performance of baby corn.	
			Evaluation of different new cultivable fish varieties.	One OFT has been planned on performance of Amur carp in carp polyculture system.	
			Activities for availability of quality fish seed.	Training program will be planned on availability of quality fish seed.	
			Different value addition product demonstration of oyster mushroom.	Already done in last year & will spread in more area in this year through FLD and training programmes for value addition of oyster mushroom.	
			Trial of Mushroom production from different threshed straw.	A FLD programme will be planned on mushroom production from different threshed straw cultivation by using crumbled straw.	
			Performance evaluation of different new poultry breeds.	Training program will be planned on performance evaluation of different new poultry breeds	
			Awareness activities on conservation of water and soil.	Training program will be planned to conduct on conservation of water and soil.	
			Promotion of innovative farmers for agricultural development.	Awareness program will be organized for Promotion of innovative farmers for agricultural development.	

** 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 (2019)

Sl. no.	Item	Information
1	Major Farming system/enterprise	Rice – Greengram
2	Agro-climatic Zone	East and South Eastern Coastal Plain Zone
3	Agro ecological situation	Rainfed Laterite
4	Soil type	Mixed red, alluvial
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Paddy-45q/ha, Greengram-4.68q/ha, sugarcane-69.95ton/ha
6	Mean yearly temperature, rainfall, humidity of the district	1354mm, 38°C, 87%
7	Production of major livestock products like milk, egg, meat etc.	21.76 TMT milk 120 lakh egg + 0.136 TMT

Note: Please give recent data only

2.b. Details of operational area / villages (2019)

Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Odiabudhapadar	2017	Daspalla	120	833	254
Anlamada	2016	Khandapada	30	6183	214
Godiplalli	2018	Odogaon	45	2500	275
Nachhipur	2018	Daspalla	85	948	235
Chindera	2018	Nayagarh	45	1390	231

2. c. Details of village adoption programme:

Name of village	Block	Action taken for development
Odiabudhapadar	Daspallla	OFT, FLDs, Trainings, different extension activities, Awareness Campaign
Anlamada	Khandapada	OFT, FLDs, Trainings, different extension activities, Awareness Campaign
Godipalli	Odogaon	OFT, FLDs, Trainings, different extension activities, Awareness Campaign
Nachhipur	Daspallla	OFT, FLDs, Trainings, different extension activities, Awareness Campaign
Chindera	Nayagarh	OFT, FLDs, Trainings, different extension activities, Awareness Campaign

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	Nayagarh	Daspalla	Odiabudhapadar	Paddy, Pigeon pea, Vegetables, Mushroom & Poultry	• Labour problem in different agricultural operation in pulses. • Poor productivity of Pigeon pea due to disease complex • Non-commercialisation of Organic wastage • Low productivity of country birds	• Farm mechanization in pigeon pea • IPDM in greengram • Promotion of renewable energy • Vermi-compost production • Rearing management of improved poultry • Cultivation of Paddy straw mushroom with threshed straw
2	Nayagarh	Daspalla	Nachhipur	Paddy, greengram, Vegetables, Mushroom	• Severe yield loss due to attack of BPH in paddy • Low price of vegetables in Rabi season • Underutilisation of threshed paddy straw	• IPDM measures in paddy • Off season vegetable cultivation & Promotion of floriculture • Varietal evaluation & production management of fish • Cultivation of Paddy straw mushroom with threshed straw
3	Nayagarh	Khandapada	Anlamada	Paddy, Greengram Vegetables, Groundnut Sesamum, Fishery	• Severe infestation of insect pest and disease in paddy, pulses. oilseed& vegetables • Imbalance use of manures and fertilizers with weed problem in Paddy, pulses & oilseeds leading to low productivity • Poor yield due to disease Complex in vegetables &fruits. • Potato chips through open sun drying is a more time consuming and poor hygienic process	• Organic farming in paddy, oilseeds & vegetables • Integrated weed management in pulses & mango • INM &IDM in vegetables • Value addition of vegetables • Introduction of improved fish variety with feed management

					• Low growth rate of normal Rohu with low availability of natural plankton leading to less fish yield	
4	Nayagarh	Nayagarh	Chindera	Paddy, Greengram Mustard,	• Use of excessive nitrogenous fertilizer in rice leads to degradation of soil fertility &more incidence of pest & disease. • Low growth rate and yield of green gram due to sowing during (low temp)4th week of Dec. • Labour problem in sowing of greengram • Less return from paddy fallow areas • Low milk yield due to poor feeding	• INM &IPDM in paddy • ICM in Rabi greengram • Farm mechanization. • Introduction of short duration oilseed crops • Feeding management of dairy animals.
5	Nayagarh	Odogaon	Godipalli	Paddy, Greengram, vegetables Poultry	• Labourer problems for different farm activities • Low price of vegetables in Rabi season • Low productivity of country birds.	• Farm mechanization in vegetables • Introduction of high yielding varieties • Off season cultivation of onion & cauliflower • Rearing management of improved breed of Poultry

- Name of the villages adopted by PC and SMS (2019-20) for its development and action plan

Name of village	Block	Action taken for development
Odiabudhapadar	Daspallla	OFT, FLDs, Trainings, different extension activities, Awareness Campaign
Anlamada	Khandapada	OFT, FLDs, Trainings, different extension activities, Awareness Campaign
Godiplalli	Odogaon	OFT, FLDs, Trainings, different extension activities, Awareness Campaign
Nachhipur	Daspallla	OFT, FLDs, Trainings, different extension activities, Awareness Campaign
Chindera	Nayagarh	OFT, FLDs, Trainings, different extension activities, Awareness Campaign

2.1 Priority thrust areas

S. No	Thrust area
1.	Varietal evaluation
2.	Floriculture
3.	Integrated pest & disease management
4.	Integrated nutrient management
5.	Drudgery reduction of farm women
6.	Increasing production and productivity of oilseed and pulse crops
7.	Cultivation of hybrid vegetables
8.	Post harvest management and value addition
9.	Popularization of mushroom cultivation, vermicomposting and backyard poultry
10.	Farm mechanization

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								
10	9	70	SC		ST		Others		Total			17	15	170	SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
			2	4	5	3	35	9	40	16	56				5	8	7	7	108	15	120	30	150

Training												Extension activities										
Number of Courses		Number of Participants										Number of activities		Number of participants								
Target	Achieve	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
60	58	1300	M	F	M	F	M	F	M	F	T	1347	1242		M	F	M	F	M	F	M	F	T
			20	12	15	24	1490	209	1525	245	1280				35	15	25	21	66	1080	1140	102	1242

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
55	40	2	0	3	0	14	4	19	4	23	1347	1242	40	2	10	5	60	25	110	32	142

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
10	6.7t	0.5	0.42355

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
0.3	0.2042	0.00500	0.00410

* 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	01	10	-	-	-	-	-
Seminar/conference/ symposia papers	02	20	-	-	-	-	-
Books	04	170	-	-	-	-	-
Bulletins	01	20	-	-	-	-	-
News letter	2	1000	-	-	-	-	-
Popular Articles	05	Mass	-	-	-	-	-
Book Chapter			-	-	-	-	-
Extension Pamphlets/ literature			-	-	-	-	-
Technical reports			-	-	-	-	-
Electronic Publication (CD/DVD etc)	09	Mass	-	-	-	-	-
TOTAL	24						

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On Farm Trial	**Assessment of rice varieties tolerant to BPH in shallow low land during Kharif**
2.	Problem diagnosed	Lower yield due to high BPH/WBPH Infestation
3.	Details of technologies selected for assessment/refinement	Assessment FP: Cultivation of rice Var:MTU-7029 TO_1: Hasanta (OR-2328-5) suitable for rainfed/irrigated shallow low land, 145 days duration, Height: 116cm, Avg yield: 3.9t/ha, Potential yield :10.14t/ha, Tolerant to BPH, WBPH, Blast, Leaf folder. TO_2: Pratikshya suitable for shallow low land, 145days duration, Avg.Yield-4.5t/ha. resistant to blast, Field tolerant to BPH other major pest
4.	Source of Technology (ICAR/ AICRP/SAU/other)	OUAT, Odisha-2005
5.	Production system and thematic area	Rainfed shallow Low Land Paddy-Fallow Crop production
6.	Performance of the Technology with performance indicators	Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	-
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Trainings, group meetings and they are showing their interest in the machine.

Thematic area: Crop production
Problem definition: Lower yield due to high BPH/WBPH Infestation
Technology assessed: Assessment of rice varieties tolerant to BPH in shallow low land during Kharif
Table:1

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 panicle/m2	No. of filled grain/panicle	BPH count/m2						
FP: Swarna	7	23		33.1	82.7	47.8	36800	64350	27730	1.75
TO_1: Hasanta		22		5.7		48.4	34900	65340	30440	1.87
TO_2: Pratikshya		19		25.3	23.56	46.0	35980	62100	26120	1.72

OFT-2

1.	Title of On Farm Trial	**Assessment of drumstick varieties for higher yield in drumstick**
2.	Problem diagnosed	Low yield of local varieties
3.	Details of technologies selected for assessment/refinement	Assessment
4.	Source of Technology (ICAR/ AICRP/SAU/other)	UHS, Bagalkot Variety developed from UHS, Bagalkot
5.	Production system and thematic area	Varietal Evaluation
6.	Performance of the Technology with performance indicators	Pod length, No of pods per plant, Pod yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	-
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	-

Thematic area: Varietal Evaluation
Problem definition: Low yield of local varieties
Technology assessed: Assessment of drumstick varieties for higher yield in drumstick
(* Result Awaited)

OFT-3

1.	Title of On Farm Trial	**Assessment of Herbicides for Weed Management in Transplanted Rice in Kharif.**
2.	Problem diagnosed	Lower yield due to high weed infestation and high cost due to manual weeding.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1: Pre -emergence Application of Herbicide (Bensulfuron Methyle 0.6% + Pretilachlor 6.0%) @ 10 Kg /ha at 4DAT followed by one hand weeding. TO_2: Pre-emergence of Pendimethaline @750 gm/ ha at 0-3 DAT followed by post emergence Application of Bispyribac Sodium @ 25 gm/ ha at 25DAT.
4.	Source of Technology (ICAR/ AICRP/SAU/other)	AICRP on Weed management, OUAT, Odisha.
5.	Production system and thematic area	Kharif Rice & Integrated Weed Management.
6.	Performance of the Technology with performance indicators	Better in Weed Control Efficiency, Numbers of effective Tiller per sq. meter, No. of filled grains per panicle, Test weight and yield.
7.	Final recommendation for micro level situation	Pre-emergence Application of Herbicide (Bensulfuron Methyle 0.6% + Pretilachlor 6.0%) @ 10 Kg /ha at 4DAT followed by one hand weeding.
8.	Constraints identified and feedback for research	Nil
9.	Process of farmers participation and their reaction	Farmers participated in application of herbicides, Calibration and taking readings on physical and yield parameters.

Thematic area: Integrated Weed Management.
Problem definition: Low yield due high weed infestation and high cost due to manual weeding.
Technology assessed: Assessment of Herbicides for Weed Management in Transplanted Rice in Kharif.
Table: 3

Technology option	**No. of trials**	**Yield component**			**Weed Control Efficiency (%)**	**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		No. of effective tillers/sq. mt.	**No. of Filled grains per panicle**	**Test wt. (1000 grain wt.)**						
FP	7	469		21.2gm	81.2	41.94	50218	77589	27371	1.54
TO_1	7	496	158	26.37gm	61.3	48.71	47680	90113	42433	1.88
TO_2	7	472	147	24.8gm	56.1	46.32	48500	85692	37192	1.76

OFT-4

1.	Title of On Farm Trial	Assessment of zinc deficiency in lowland rice
2.	Problem diagnosed	Low yield due to Zn deficiency
3.	Details of technologies selected for assessment.	TO_1: Soil Test Based Recommendation (STBR) NPK + Zn @ 5 kg/ha. TO_2: STBR NPK + 5t FYM ha-1 + Zn @ 2.5 kg ha-1
4.	Source of Technology	AICRP on LTFE, OUAT, Bhubaneswar, Odisha, 2017
5.	Production system and thematic area	Rain fed medium land, Rice – Green gram and Integrated Nutrient Management
6.	Performance of the Technology with performance indicators	No. of tillers m2 1000 grain weight (gm) Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	Application of ($ZnSO_4$ H_2O 33%) increase in yield in rice.
8.	Constraints identified and feedback for research	Farmers use only major nutrient and they use micronutrient Zinc to avoid deficiency.
9.	Process of farmers participation and their reaction	Group involvement in Nutrient management & farmers are happy because of using zinc fertilizer to avoid Zn deficiency.

Thematic area: Integrated Nutrient Management (INM)
Problem definition: Low yield due to Zn deficiency.
Technology assessed: Assessment of zinc deficiency in lowland rice
Table: 4

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	7	9.23	67	27.61	19.85		26800	43840	17040	1.63
TO_2	7	11.12	72	28.12	11.12		27800	55200	27400	1.98
TO_3	7	12.95	77	28.56	5.01		28850	58720	29870	2.03

OFT-5

1.	Title of On Farm Trial	Assessment of secondary (Sulphur) /Micro (Boron) nutrient for curd quality and higher yield in cauliflower
2.	Problem diagnosed	Low curd keeping quality, flavor and yield due to secondary and micro nutrient deficiency.
3.	Details of technologies selected for assessment/refinement	FP: Indiscriminate use of fertilizers and No use of Secondary nutrient TO_1: STB R(NPK) + Sulphur @ 30 kg ha-1 as basal application TO_2: STBR (NPK) + Sulphur @ 30 kg ha-1 + 1 0 kg Boron as basal application. TO_3: STBR (NPK) + 10 kg ha-1 Boron as basal application
4.	Source of Technology (ICAR/ AICRP/SAU/other)	AICRP on Micronutrient and Pollutant, OUAT, Bhubaneswar, Odisha, 2016.
5.	Production system and thematic area	Irrigated medium land, Rice-vegetables Integrated Nutrient Management
6.	Performance of the Technology with performance indicators	Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio,
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	Integrated Nutrient management & farmers are happy because of using micronutrient to avoid B deficiency
9.	Process of farmers participation and their reaction	

Thematic area: Integrated Nutrient Management (INM)

Problem definition: Low curd keeping quality, flavour and yield due to secondary and micro nutrient deficiency.

Technology assessed: Assessment of secondary (Sulphur) /Micro (Boron) nutrient for curd quality and higher yield in cauliflower

Table: 5

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
		Avg. Curd weight(gm)	Average curd diameter (cm					
FP:	7	610	8.25	185	71576	222000	150424	3.10
TO_1:	7	750	8.35	207	73204	248400	175196	3.39
TO_2:	7	850	8.7	212	73443	254400	180957	3.46
TO_3:	7	980	8.8	214	73563	256800	183237	3.49

OFT-6

1.	Title of On farm Trial	Assessment of packaging practices of V. volvacea
2.	Problem diagnosed	Distress Sale and low income due to short shelf life
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: : polythene packaging without treatment, **TO1:**Fresh Mushrooms Buds washed with potassium meta bisulphite KMS 0.1% and o.1% citric acid for 10 minutes and allowed to air dry on muslin cloth for 30 min and then packed in perforated polypropylene bags punched with 10 holes (0.5 cm diameter) stored at room temperature, **TO2:** packed in paper bags punched with 10 holes (0.5 cm diameter) stored at room temperature
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	PAU,2010
5.	Production system and thematic area	Homestead, Income Generation
6.	Performance of the Technology with performance indicators	Additional income, Cost of input, Net profit , B:C ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Trainings, group meetings and they are showing their interest in the machine.

Thematic area: Income Generation
Problem definition: Distress Sale and low income due to short shelf life
Technology assessed: Assessment of packaging practices of V. volvacea
Table:6

Technology option	No. of trials	Yield component			Weight loss	Self life	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Output(Kg/bed)	Colour	Texture						
FP	7	1	brown	delicate						
TO_1:		1	Pale brown	Spongy	40g	18hrs	60	140	80	2.3
TO_2:		1	grey	Spongy	70g	24hrs	60	160	100	2.6

OFT-7

1.	Title of On farm Trial	Assessment of different value added products from green mango.
2.	Problem diagnosed	Immature fruit drop of mango due to Kala Baisakhi leads to less market price
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**FP:** No value addition **TO1:** Mango split- Washing and peeling the mango, then cutting into sliced , dipping in 2% salt solution for an hour and then spreading the slice inside sun drying.,**TO2:** Amchoor powder-Drying of mango in solar dryer by washing and peeling the mango, then cutting into sliced , dipping in 2% salt solution for an hour and dipping in 2000ppm so2 solution for 2 hour, and then spreading the slice inside sun drying and the grid.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	PHT, TNAU. Coimbatore
5.	Production system and thematic area	Homestead, Income Generation
6.	Performance of the Technology with performance indicators	Cost of Input(Rs) Incremental income (Rs), Net income (Rs), BC ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Trainings, group meetings and they are showing their interest in the machine.

Thematic area: Income Generation
Problem definition: Immature fruit drop of mango due to Kala Baisakhi leads to less market price
Technology assessed: Assessment of different value added products from green mango.
Table: 7

Technology option	No. of trials	Yield component			Conversion ratio	Self life	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Output(Kg/bed)	Colour	Texture						
FP:	7									
TO_1:		3kg/10 kg of mango	Black	Hard	10:3	8month	60	540	80	2.7
TO_2:		1/10 kg of mango	Off white	Soft	10:1	6month	60	750	100	3.75

OFT-8

1.	Title of On farm Trial	Assessment of tractor drawn whole straw paddy thresher for bundle straw production in rabi season.
2.	Problem diagnosed	High demand for bundle straw for mushroom production.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**FP:** Use of power thresher cum Winnower **TO_1**: Threshing capacity -8.0 q/h, casing of thresher has louvers for moving the crop axially,**TO_2:** Threshing capacity -5.0 q/h, whole paddy bundles are carried horizontally towards the threshing unit through conveying system. Only the earheads are threshed and the bundles as such discharged from the other head.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Validated by AICRP on FIM, CAET,OUAT-2016
5.	Production system and thematic area	Rainfed, Farm Mechanization
6.	Performance of the Technology with performance indicators	Cost of intervention. Additional income over additional investment, B:C ratio
7.	Final recommendation for micro level situation	-
8.	Constraints identified and feedback for research	Weight of the implement to be reduced, Availability of machine.
9.	Process of farmers participation and their reaction	Trainings, group meetings and they are showing their interest in the machine.

Thematic area: farm Mechanization
Problem definition: High demand for bundle straw for mushroom production.
Technology assessed: Assessment of tractor drawn whole straw paddy thresher for bundle straw production in rabi season
Table:8

Technology option	No. of trials	Yield component			Cost of cultivation(Rs./ha)	Gross return (Rs/ha)	Net return(Rs./ha)	BC ratio
		Labour requirement (man-days/ha)	Threshing capacity (q/ha)	Threshing efficiency (%)				
FP	07	6	8	68	11500	14450	2950	1.25
$TO_{1:}$	07	3	5	72	15470	21580	6110	1.3
TO_2:	07	3	12	75	21500	28500	7000	1.32

OFT-9

1.	Title of On farm Trial	Assessment of Drip and fertigation for enhancing yield and productivity of brinjal in rabi season.
2.	Problem diagnosed	(1)Low yield due to inefficient use of fertilizer. (2)Huge water loss in furrow irrigation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessment FP: furrow irrigation + 100%RDF(Soil application) $TO_{1:}$ drip irrigation + 100%RDF(Soil application) TO_2: Drip irrigation with fertigation will be applied along with soluble fertilizer 19:19:19(N:P2O5:K2O), crop productivity will be enhanced by (40-45%)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIWM 2017
5.	Production system and thematic area	Rainfed, Water Conservation
6.	Performance of the Technology with performance indicators	Cost of intervention. Additional income over additional investment, B:C ratio
7.	Final recommendation for micro level situation	Machineries should be available in time. Establishment of more agro-service centers in the district for popularization
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Trainings, group meetings and they are showing their interest in the machine.

Thematic area: Water conservation
Problem definition: Low yield due to inefficient use of fertilizer and Huge water loss in furrow irrigation
Technology assessed: Assessment of drip and fertigation for enhancing yield and water productivity of brinjal in rabi season.

Table:9

Technology option	No. of trials	Yield component			Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Labour requirement (man-days/ha)	Water consumption (mm)	Productivity (Tons/ha)				
FP:	07	10	183.3	4.5	25000	50000	25000	1.0
$TO_{1:}$.	07	02	89.1	5.5	20000	65000	50000	2.5
TO2	07	01	87.5	5.9	17000	68000	53000	3.1

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Rice	Integrated Nutrient Management	**Demonstration on boron application in low land rice** STBR NPK + foliar spray of 0.25% borax at Panicle Initiation stage and at pre flowering stage.	1.0	1.0	-	-	-	-	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					
Rice	Kharif	Irrigated medium land	Red and lateritic soil	248	37	219	Greengram	21/06/19	18/11/19	1879	40
Cabbage	Rabi2019-20	Medium Land	Sandy loam	253	18	132	Rice	17/11/19	12/01/20	15.78	2
Green gram	Rabi 2019-20	Medium Land	Sandy loam	181	16	122	Rice	25/12/19	20/03/20		
Chilli	Rabi 2019-20	Medium Land	Sandy loam	176	8.6	124.4	Rice	25/11/19			
Brinjal	Rabi 2019-20	Medium Land	Clay loam	195	8.4	101.9	Rice	13/11/19			
Tomato	Rabi 2019-20	Medium Land	Clay loam	212	10.3	119.5	Rice	27/11/19			
Marrigold	Rabi 2019-20	Medium Land	Sandy loam	197	12.4	123	Rice	09//11/19	04/01/20		

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
Green gram	IDM	Management of YMV in combination with botanicals,mechanicals and chemical measures	10	1.0	4.95	3.88	21	17954	34650	16696	1.93	16263	27160	10897	1.67
Green gram	INM	**Demonstration on INM in Greengram** Soil test based NPK with FYM @ 5 t/ha and seed inoculation with Rhizobium @ 20g/kg seed and treatment with ammonium molybdate @ 10 g /25 kg of seed	10	1.0	5.83	4.0	26.7	11500	32065	20565	2.7	9500	22000	12500	2.31
	Total														

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

** BCR= GROSS RETURN/GROSS COST

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Cabbage	IPM	Integrated management of DBM in combination with cultural, mechanical and chemical measures.	10	1.0	250	187.5	25%	Percentage of Infestation 8.7%	Percentage of Infestation 22.5%	192308	375000	182692	1.95	154533	281250	126717	1.82
Chilli	IPM	Intigrated management of Thrips in Chilli	10	1.0	162	143	13.2%	No of Thrips per Plant=3.6	No of Thrips per Plant=17.1	188020	324000	135980	2.38	175350	286000	110650	1.63
Brinjal	IPM	Intigrated management of Fruit & shoot borer in Brinjal	10	1.0	267.8	233.4	23.44%	Percentage of fruit damage= 10.3	Percentage of fruit damage= 31.4	111120	267800	156680	2.41	110094	233400	123306	2.12
Tomato	Varietal	Demonstration of triple resistant Tomato variety Arka Rkashyak	10	1.0	417	305	36.7%	No of fruits per plant=62	No of fruits per plant=45	147128	320740	173612	2.18	131678	258090	126412	1.96
Marrigold	Varietal	Demonstration of Marrigold Variety BM-2	10	1.0	90.1	71.7	20.42	No of Flowers per Plant= 73	No of Flowers per Plant= 58	44770	72080	27310	1.61	38497	57360	18863	1.49
	Total		50	5.0													

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry	Backyard	Demonstration on artificial brooding management in chicks Artificial brooding of chicks	10	02	250g	110	150	5	30	2950	6650	3700	2.25	1200	2100	900	1.75
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	
Total																	

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

** BCR= GROSS RETURN/GROSS COST

Fisheries

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

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

** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Paddy straw mushroom	Production of paddy straw mushroom with threshed straw	10	10	800g	1kg	90	10days	10days	40	128	88	3.2	60	160	100	2.66
Button mushroom																
Vermicompost	Soil test based NPK with FYM @ 5 t/ha and seed inoculation with Rhizobium @ 20g/kg seed and treatment with ammonium molybdate @ 10 g /25 kg of seed.	10														
Sericulture																
Nutritional Security	Nutritional garden with Protein, Vitamin & iron rich vegetables and fruits with consumers preference	10	04	4.56	2.21	95	2.38	1.1	2100	5160	3060	2.45	1340	2420	1080	1.8
Value Addition	Preparation of Tomato Powder by using Tomato Pulp-5lit, salt- to taste	10	1	8 month	6month	92	10hrs for cabinet drying	3days in sun drying	210	460	250	2.2	18.0	350	170	1.94
Total																

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

** BCR= GROSS RETURN/GROSS COST

Women empowerment

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									
Seed cum fertilizer drill	Greengram	Use of Tractor drawn multi crop Seed cum fertilizer drill	10	1.0	2.5 hr/ha	350hr/ha	98	2	41	39	95	1500	7500	6000	80
Power Weeder	Brinjal	Weeding in Brinjal by power weeder	10	1.0	0.04 ha/hr	0.02	50	2.5	12.5	13	65	3600	6000	2400	40
RiceTransplanter	Rice	Self Propelled 8- row Rice transplanter	10	1.0	2.0hr/ha	200hr/ha	99	3	35	32	91	3000	7500	4500	60

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

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

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	Arka Rakshak	10	1.0	417	305	36.7%	131678	258090	126412	1.96
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl.specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl.specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl.specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Cabbage	
2	Chilli	
3	Greengram	
4	Brinjal	
5	Tomato	Development of tomato var. that can be cultivated thorough out the year
6	Marrigold	
7	Power Weeder	Provision for More Govt.subsidy for more horizontal spread of the technology.
8	Paddy Straw mushroom	More Research on alternate substrate for paddy straw mushroom.
9	Poultry	Promotion of Brooding center at village level for better adaptability.

Extension and Training activities under FLD

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

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2019 and Rabi 2019:

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	Arhar	Kandula	9.13	685	896	2500	Sowing Arhar Variety PRG 176, seed treatment with Carbendinzim + Mancozeb @ 2gm/Kg of seed, application of pre-	25	10	17.50	12.65	15.07	54.54	40.54	-39.72

							emergence herbicide Pendimethaline @ 3 litre per hectare, Basal application of Vermicompost @ 50 Kg /ha, soli test based fertilizer application								
2	Chick Pea	Kabuli Buta	612	710	738	2000	Sowing Chickpea Variety Ujjawala , seed treatment with Carbendinzim + Mancozeb @ 2gm/Kg of seed, application of pre-emergence herbicide Pendimethaline @ 3 litre per hectare, application of Sulphur 80% WP @ 500 gm per Hectare at Flowering stage to control Powdery mildew and mitigate	25	10	10.86	6.92	8.89	20.13	16.98	-55

							the S requirement of the crop. Application of Thiometoxam @ 120 gm per Hectare to control Aphids and other Sucking pests. Application of Emamectin Benzoite @ 220 gm per Hectare to control pod borer. Application of NPK 19:19:19 WSF @ 4 Kg per Hectare During Flowering Stage and Pod Initiation Stage to Enhance Crop Productivity.								
3	Mustard	Parbati	3.0	3.06	4.24	10	Seed treatment with Mancozeb @ 3 gram per Kg of Seed, Line sowing, Soil Test based Fertilizer recommendation, Timely	129	50	5.35	4.17	4.76	-1.7	-0.52	5.24

							Management of Pest & Dieseases., Foliar application of WS Fertilizer NPK 19/19/19 @ 8 gm /litre of waterat Flowering stage & Pod initiation stage.								

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	Sowing Arhar Variety PRG 176 , seed treatment with Carbendinzim + Mancozeb @ 2gm/Kg of seed, application of pre-emergence herbicide Pendimethaline @ 3 litre per hectare, Basal application of Vermicompost @ 50 Kg /ha, soli test based fertilizer application.	29580	50215	20545	1.69	37600	73000	35400	1.94
2	Sowing Chickpea Variety Ujjawala , seed treatment with Carbendinzim + Mancozeb @ 2gm/Kg of seed, application of pre-emergence herbicide Pendimethaline @ 3 litre per hectare,	17895	28274	10379	1.58	23800	41072	17272	1.72

	application of Sulphur 80% WP @ 500 gm per Hectare at Flowering stage to control Powdery mildew and mitigate the S requirement of the crop. Application of Thiometoxam @ 120 gm per Hectare to control Aphids and other Sucking pests. Application of Emamectin Benzoite @ 220 gm per Hectare to control pod borer. Application of NPK 19:19:19 WSF @ 4 Kg per Hectare During Flowering Stage and Pod Initiation Stage to Enhance Crop Productivity								
3	Seed treatment with Mancozeb @ 3 gram per Kg of Seed, Line sowing, Soil Test based Fertilizer recommendation, Timely Management of Pest & Dieseases., Foliar application of WS Fertilizer NPK 19/19/19 @ 8 gm /litre of waterat Flowering stage & Pod initiation stage.	14000	18000	4000	1.28	17000	28560	11560	1.68

B. 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	Arhar Variety PRG 176 ,.	1287	787	56.75	20	300	By mitigating daily family needs and repayment of hand loans.	80 Mandays

2	Chickpea Var: Ujjawala	889	569	4620	70	250	To mitigate house hold needs and repayment of hand loans.	85 Man days
3	Mustard Vareity : Uttara	480	250	60	4	250	To mitigate house hold needs and repayment of hand loans	26

C. 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
1	Seed treatment with Mancozeb @ 3 gram per Kg of Seed, Line sowing, Soil Test based Fertilizer recommendation, Foliar application of WS Fertilizer NPK 19/19/19 @ 8 gm /litre of waterat Flowering stage & Pod initiation stage.	Suitable	Pod size and quality, Branching ability and Yield	Yes	No	Yes	Variety is suitable to the locality. Seeds should be supplies in the month of November to support early sowing in the available moisture.

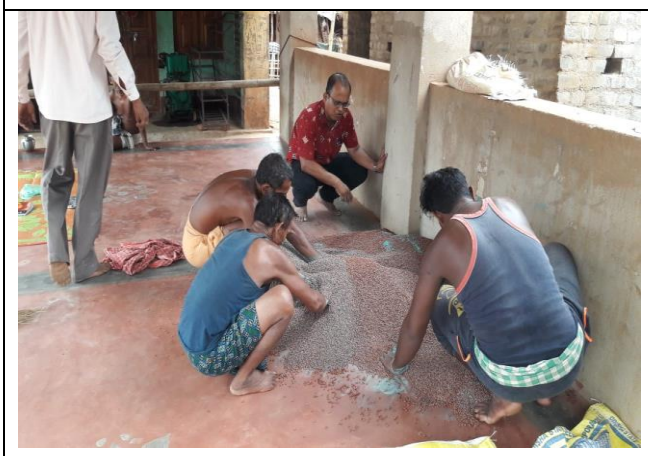
Specific Characteristics of Technology and Performance

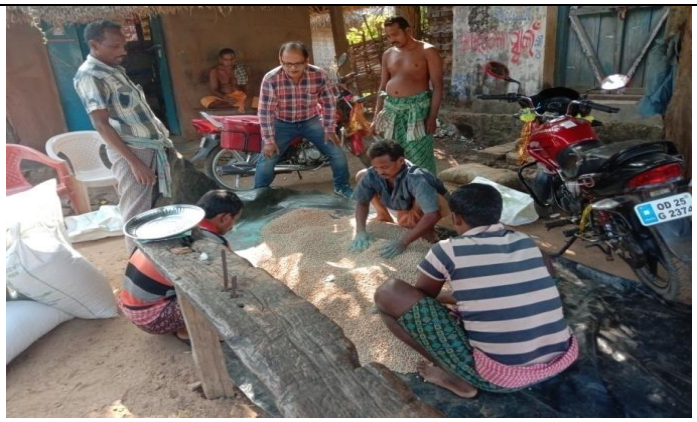
Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Crop growth and branching	Good	Better	Acceptable
Pod size and number of grains per pod	Good	Better	Acceptable

D. Extension activities under FLD conducted:

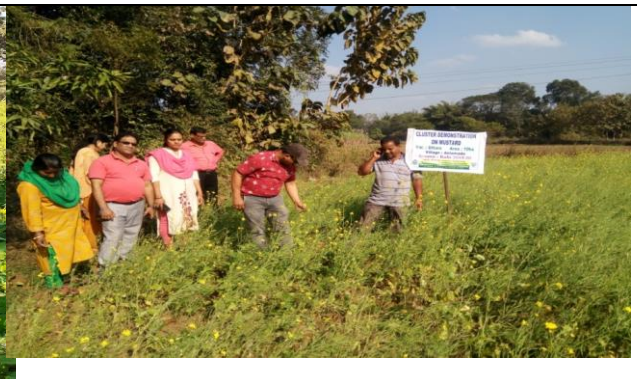
Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Seed treatment programme	29.06.2019 Village: Gunthapaju	20
2	Pre emergence herbicide application	06.07.2019 Village: Gunthapaju	25
3	News Letter (Pulse Special)	Kharif 2019-20	500
4	Technical Booklet	Kharif 2019-20	500
5	Seed Treatment campaign & Awareness Camp (Odia Budhapadara)	07/12/2019	25
6	Seed Treatment campaign & Awareness Camp (Chinara)	10/12/2019	25
7	Farmers Training	13/02/2020	25
8	Field day	04/03/2020	50
9	Field Day (Analamada)	17.01.2020	50

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

	
Application of Pre-emergence herbicide	
	
Seed treatment with Carbendinzim + Mancozeb	**Remarkable branching and physical growth(Arhar)**
	
Chick Pea on full growth Stage	**Farmers Training Programme und CFLD Pulses (Chick Pea)**



Seed Treatment of Chick Pea under CFLD



Mustard on full growth Stage

Field Day CFLD (Oilseed- Mustard) Crop

f. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Pigeon pea & chickpea (Kharif+Rabi)	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**1,80,000**	**1,32,931**	**45,869**
Mustard(Rabi)	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**3,00,000**	**1,72,315**	**1,27,685**

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

A) Farmers and farm women (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off0season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													

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 (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													

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 & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													

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
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	2	35	5	40	-	-	-	-	-	-	35	5	40
Planting material production													
Vermiculture	1	1	10	11	5	4	9	-	-	-	6	14	20
Mushroom Production	1	9	11	20	-	-	-	-	-	-	9	11	20
Beekeeping													
Sericulture													

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													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	13	7	20	-	-	-	-	-	-	13	7	20
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others	3	50	10								50	10	60
Total	8	105	43	101							113	47	160

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													

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													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total													

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off0season vegetables													
Nursery raising													
Exotic vegetables	1	23	2	25	0	0	0	0	0	0	2	2	25
Export potential vegetables	1	9	12	21	1	0	1	3	0	3	13	12	25
Grading and standardization	1	13	12	25	0	0	0	0	0	0	33	12	25
Protective cultivation													
Others													
Total (a)	3	45	26	71	1		1	3		3	48	26	75
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													

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
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others	1	24	1	25	0	0	0	0	0	0	24	1	25
Total (c)	1	24	1	25	0	0	0	0	0	0	24	1	25
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)	4	69	27	96	1	0	1	3	0	3	73	27	100
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management	8	150	20	170	-	-	-	25	5	50	175	25	200
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total	8	150	20	170				25	5	50	175	25	200
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery 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
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	-	25	25	-	-	-	-	-	-	25	-	25
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment	7	20	150	170	-	-	-	-	5	5	20	155	175
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total	8	20	175	195					5	5	45	155	200
VI. Agril. Engineering													
Farm machinery & its maintenance	1	25	0	25	-	-	-	-	-	-	25	0	25
Installation and maintenance of micro irrigation systems	1	23	2	25	-	-	-	-	-	-	23	2	25
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements	1	25	-	25	-	-	-	-	-	-	25		25
Small scale processing and value addition													
Post Harvest Technology													
Others	5	100	25	125	-	-	-	-	-	-	100	25	125
Total	8	173	27	200							173	27	200
VII. Plant Protection													
Integrated Pest Management	4	71	23	94	1	1	2	2	2	4	74	26	100
Integrated Disease Management	1	7	17	24	0	0	0	1	0	1	8	17	25
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	5	78	40	118	1	1	2	3	2	5	82	43	125
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of													

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													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics	3	50	25	75	0	0	0	0	0	0	50	25	75
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths	2	31	6	37	4	0	4	7	2	9	42	8	50
WTO and IPR issues													
Others	1	24	2	24	1	0	1	0	0	0	25	0	25
Total	6	105	33	138	5	0	5	7	2	9	117	33	150
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	43	664	349	1013	8	1	9	58	17	75	730	367	1097

(E)RURAL YOUTH (Off Campus)

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

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

F) 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	2	31	6	-	-	-	-	2	1	-	33	7	40
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements	1	14	5		1						15	5	20
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care	2	4	5	9	0	31	31	0	0	0	4	39	40
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application	1	14	0	14	1	2	3	1	2	3	16	4	20
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total	6	63	16	79	2	33	34	3	3	3	70	50	120

G) Consolidated table (ON and OFF Campus)

i. Farmers& Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off0season vegetables													
Nursery raising													
Exotic vegetables	1	23	2	25	0	0	0	0	0	0	2	2	25
Export potential vegetables	1	9	12	21	1	0	1	3	0	3	13	12	25
Grading and standardization	1	13	12	25	0	0	0	0	0	0	33	12	25
Exotic vegetables													
Others													
Total (a)	3	45	26	71	1	0	1	3	0	3	48	26	75
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others	1	24	1	25	0	0	0	0	0	0	24	1	25
Total (c)	1	24	1	25	0	0	0	0	0	0	24	1	25
d) Plantation crops													
Production and Management technology													
Processing and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)	4	69	27	96	1	0	1	3	0	3	73	27	100
Total(a-g)	4	69	27	96	1	0	1	3	0	3	73	27	100
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management	8	150	20	170	-	-	-	25	5	50	175	25	200
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total	8	150	20	170				25	5	50	175	25	200
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	-	25	25	-	-	-	-	-	-	25	-	25
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in													

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													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment	7	20	150	170	-	-	-	-	5	5	20	155	175
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total	8	20	175	195					5	5	45	155	200
VI. Agril. Engineering													
Farm machinery & its maintenance	1	25	0	-	-	-	-	-	-	-	25	0	25
Installation and maintenance of micro irrigation systems	1	23	2	-	-	-	-	-	-	-	23	2	25
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements	1	25	-	-	-	-	-	-	-	-	25		25
Small scale processing and value addition													
Post Harvest Technology													
Others	5	100	25	-	-	-	-	-	-	-	100	25	125
Total	8	173	27								173	27	200
VII. Plant Protection													
Integrated Pest Management	4	71	23	94	1	1	2	2	2	4	74	26	100
Integrated Disease Management	1	7	17	24	0	0	0	1	0	1	8	17	25
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	5	78	40	118	1	1	2	3	2	5	82	43	125
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													

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
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics	3	50	25	75	0	0	0	0	0	0	50	25	75
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths	2	31	6	37	4	0	4	7	2	9	42	8	50
WTO and IPR issues													
Others	1	24	2	24	1	0	1	0	0	0	25	0	25
Total	6	105	33	138	5	0	5	7	2	9	117	33	150
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	43	664	349	1013	8	1	9	58	17	75	730	367	1097

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	2	35	5	40	-	-	-	-	-	-	35	5	40
Planting material production													
Vermiculture	1	1	10	11	5	4	9	-	-	-	6	14	20
Mushroom Production	1	9	11	20	-	-	-	-	-	-	9	11	20
Beekeeping													

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													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	13	7	20	-	-	-	-	-	-	13	7	20
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others	3	50	10								50	10	60
Total	8	105	43	101							113	47	160

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	2	31	6	-	-	-	-	2	1	-	33	7	40
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
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
Care and maintenance of farm machinery and implements	1	14	5		1						15	5	20
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application	1	14	0	14	1	2	3	1	2	3	16	4	20
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other	2	1	10	3	-	5	5	6	18	20	7	33	40
Total	6	60	21	17	2	7	8	9	21	23	71	49	120

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
Plant Protection	F/FW	Training on use of cultural and mechanical practices for BPH Management in Paddy	1	Off	22	3	25	4	2	6
	F/FW	Training on new generation pesticides for Sheath blight Management in Paddy	1	Off	25	0	25	2	0	2
	F/FW	Training on seed treatment for BLB Management in Paddy	1	Off	24	1	25	2	0	2
	F/FW	Training on use of seed treatment for YMV management in greengram	1	Off	10	15	25	2	4	6
	F/FW	Training on mechanical practices and use	1	Off	25	0	25	4	0	4

		of new generation Pesticides for YMV management in greengram								
	F/FW	Training on cultural,mechanical and new generation pesticides for Leaf curl management in chill	1	Off	18	7	25	7	5	12
	F/FW	Training on Mechanical practices and new generation pesticides for control of DBM in Cabbage	1	Off	22	3	25	4	1	5
	F/FW	Training on use of Bio control methods for - management fruit and shoot borer in Brinjal	1	Off	21	4	25	0	0	0
	F/FW	Training on pesticides management for control of fruit and shoot borer in brinjal	1	Off	25	0	25	8	0	8
Home Science	F/FW	Scientific technique of preparation of Amchur powder	1	Off	3	22	25	0	6	6
	F/FW	Method of split preparation in green mango	1	Off	11	14	25	5	5	10
	F/FW	Scientific technique of paddy straw mushroom packaging	1	Off	5	20	25	0	2	2
	F/FW	straw mushroom using threshed straw from excel flow Cultivation technique of paddy thresher	1	Off	15	0	15	0	0	0
	F/FW	Designing of nutritional garden	1	Off	15	0	15	6	0	6
	F/FW	Method of seeding raising in pro tray	1	Off	25	0	25	8	0	8

	F/FW	Feeding management in poultry chicks	1	Off	3	22	25	0	6	6
	F/FW	Brooding manage ment in poultry chicks	1	Off	11	14	25	5	5	10
Agriculture Engineering	F/FW	Use of drip fertigation system in brinjal cultivation		Off	5	20	25	0	2	2
		Water management technique greengram cultivation.		Off	15	0	15	0	0	0
		Technique of MAT type seedling raising for using self propelled Rice Transplanter		Off	15	0	15	6	0	6
		Working Principle & operation of Seed cum fertilizer drill.		Off	25	0	25	8	0	8
		Use of power operated maize sheller for mechanized shelling.		Off	25	0	25	12	0	12
		Use of dryland power weeder in brinjal cultivation.		Off	22	3	25	0	0	0
		Repair & maintenance of Farm Implements		Off	3	22	25	2	19	21
		Use of self propelled rice transplanter		Off	8	17	25	2	3	5
Agricultural extension		ICT in Agriculture		Off	14	1	15	3	1	4
		Market Led extension		Off	15	0	15	1	0	1
		Cooperative and Contract Farming		Off	12	8	20	0	3	3
		Leadership development for community work		Off	11	14	25	1	1	2
		Role & responsibilities of SHGs		Off	25	0	25	2	0	2
		Effective delivery of message among		Off	25	0	25	5	0	5

		farmers								
Soil Science		Fertilizer management in maize		Off	25	0	25	10	0	10
		Micronutrient deficiency in paddy and their remedies		Off	25	0	25	12	0	12
		Integrated Nutrient Management in Arhar and maize		Off	22	3	25	0	0	0
		Integrated Nutrient Management in sugarcane		Off	3	22	25	2	19	21
		Use if Bio-fertilizer in solanaceous crops		Off	8	17	25	2	3	5
		Use of nano zinc in maize		Off	14	1	15	3	1	4
		Use of VAM in Greengram		Off	15	0	15	1	0	1
		Application of Boron in Cauliflower		Off	12	8	20	0	3	3
		Integrated Nutrient Management in Chilli		Off	11	14	25	1	1	2
Forestry				Off	25	0	25	2	0	2
		Propagation of bamboos for culm cutting method		Off	25	0	25	5	0	5
		MPT and their cultivation techniques		Off	25	0	25	3	0	3
		Meeting of fuel wood through homestead forestry		Off	25	0	25	1	0	1
		Important medicinal plants and their uses		Off	15	10	25	6	7	13
		Growing of Acacia Mangium for profit maximization		Off	15	0	15	3	0	3
Agronomy		Nutrient management in Blackgram under Rice-Blackgram paira cropping system,		Off	15	0	15	5	0	5
		Intigrated weed management in Greengram		Off	0	25	25	0	1	1
Horticulture		Scientific and commercial cultivation of marigold		Off	5	20	25	0	2	2
		Scientific method of seedling raising of Bitter gourd		Off	15	0	15	0	0	0

		after late harvest of paddy.								
		Scientific cultivation of Hybrid Tomatao		Off	15	0	15	6	0	6
		Micronutrients deficiency symptoms in tomato and their management		Off	15	0	15	3	0	3

H) Vocational training programmes for Rural Youth

a) Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
	VT	Preparation of different value added products of fruits & vegetables	4	4	6	10	2	Value addition unit	6	2
	VT	Scientific mushroom spawn production technique	4	7	3	10	2	Spawn production unit	2	3
	VT	Entrepreneurship development through farm mechanization	4	8	2	10				

*training title should specify the major technology /skill transferred

b) Details of participation

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

		M	F	T	M	F	T	M	F	T	M	F	T
Crop production and management													
Commercial floriculture													
Commercial fruit production													
Commercial vegetable production													
Integrated crop management													
Organic farming													
Other													
Total													
Post harvest technology and value addition													
Value addition													
Other													
Total													
Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting													
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery & imlements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation													
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying													

etc.													
Agril. Para-workers, para0vet training													
Other													
Total													
Agricultural Extension													
Capacity building and group dynamics													
Other													
Total													
Grand Total													

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

Sl. No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of participants	Sponsoring Agency
					PF/RY/EF			
1	Hands on training on mushroom production	Homestead	Jan	1	RY	1	29	ICAR, ATARI Kolkata
2	Project formulation and marketing strategy on mushroom cultivation	Homestead	Jan	1	RY	1	29	ICAR, ATARI Kolkata
3	Hands on training on stunted fingerling	IMC	Feb	1	RY	1	22	ICAR, ATARI Kolkata
4	Project formulation and marketing strategy on stunted fingerling production	IMC	Feb	1	RY	1	22	ICAR, ATARI Kolkata
5	Hands on training on backyard poultry rearing	Homestead	Feb	1	RY	1	20	ICAR, ATARI Kolkata
6	Project formulation and marketing strategy on backyard poultry rearing	Homestead	Feb	1	RY	1	20	ICAR, ATARI Kolkata
7	Tractor Operator	Farm Mechanization	Feb	25	RY	25	20	ICAR, ATARI Kolkata

8	Mushroom Production	Homestead	Feb	25	RY	25	20	ICAR, ATARI Kolkata

b) Details of participation

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Crop production and management													
Increasing production and productivity of crops													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total													
Post harvest technology and value addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other	25	20	0	20	4	0	0	0	0	0	20	0	20
Total													
Livestock and fisheries													
Livestock production and management	2	13	3	16	2	2	4	0	0	0	15	5	20
Animal Nutrition Management													
Animal Disease Management													

Fisheries Nutrition													
Fisheries Management													
Other	2	17	5	22	0	0	0	0	0	0	17	5	22
Total													
Home Science													
Household nutritional security													
Economic empowerment of women	25	7	9	20	4	0	4	0	0	0	11	9	20
Drudgery reduction of women													
Other	2	7	22	29	0	0	0	0	0	0	7	22	29
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total	56	54	39	107	10	2	8	0	0	0	70	41	111

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)	M	F	Total	Male	Female	Total
Field Day	6	250	100	350	0	0	0	0	0	0	350
KisanMela	2	1300	200	1500	0	0	0	0	0	0	1500
KisanGhosthi	3	150	50	200	0	0	0	0	0	0	200
Exhibition	2	120	25	145							145
Film Show					0	0	0	0	0	0	
Method Demonstrations					0	0	0	0	0	0	
Farmers Seminar	4	175	25	200	0	0	0	0	0	0	200
Workshop					0	0	0	0	0	0	
Group meetings	53	780	280	1060	0	0	0	0	0	0	1060
Lectures delivered as resource persons	12	70	15	85	0	0	0	0	0	0	85
Advisory Services	25	1250	1207	2457	0	0	0	0	0	0	2457
Scientific visit to farmers field	254	1014	1301	2315	0	0	0	0	0	0	2315
Farmers visit to KVK	673	520	153	673	0	0	0	0	0	0	673
Diagnostic visits	215	1240	320	1560	0	0	0	0	0	0	1560
Exposure visits	7	67	44	111	0	0	0	0	0	0	111

Ex-trainees Sammelan	0	0	0	0		0	0	0	0	0	0
Soil health Camp	0	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	0	0	0	0	0	0	0	0	0		0
Agri mobile clinic					0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	1	20	15	35	0	0	0	0	0	0	0
MahilaMandals Conveners meetings					0	0	0	0	0	0	0
Celebration of important days (specify)	8	700	200	900	0	0	0	0	0	0	0
Sankalp Se Siddhi	0				0	0	0	0	0	0	0
Swatchta Hi Sewa	5	100	50	150		0	0	0	0	0	0
MahilaKisan Divas	1	0	50	50	0	0	0	0	0		0
Any Other (Specify)	0	0	0	0	0	0	0	0	0	0	0
Total	1264	7656	4035	11791							11791

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	4
Radio talks	0
TV talks	1
Popular articles	0
Extension Literature	2
Booklets	6

3.5 a. Production and supply of Technological products

Village seed

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

KVK farm

Crop	Variety	Quantity of seed (no)	Value (Rs)	Number of farmers to whom seed provided							
Sugarcane	Sabita	6.7ton	16750	SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
				2	1	0	0	15	2	17	3

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
Brinjal	B5, G5	8245	12367	2	2	8	12
Tamato	Arka Raskhyak	12015	18022	1	0	3	4
Cauliflower	Snowball 1, Silver Cup, Priti	4587	6880	4	3	14	21
Chilli	Ujjawala	3464	5196	0	1	2	3
Cabbage	Round	3201	4807				
Broccolli	OP	398	597	2	5	18	25
Drumstick	Bhagya	4579	6868				
Papaya	Red lady	345	517				6
Forest seedlings	Teak, Mangium, Bamboo	1000	1000	4	7	13	24
Total			**63035**	**14**	**18**	**58**	**95**

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers	1250	12500	15	10	2	3	13	7	30	20
Bio-pesticide										
Bio-fungicide										
Bio-agents										
Others, please specify.										
Total			15	10	2	3	13	7	30	20

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F

Dairy animals											
Cows											
Buffaloes											
Calves											
Others (Pl. specify)											
Small ruminants											
Sheep											
Goat											
Other, please specify											
Poultry											
Broilers	Banaraja	2042	102100	50	30	20	10	100	80	170	120
Layers											
Duals (broiler and layer)											
Japanese Quail											
Turkey											
Emu											
Ducks											
Others (Pl. specify)											
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings	Amul Carp	50000	50000	25	-	50	-	100	15	175	15
Spawn	Paddy Straw & Oyester	5250	78750	15	2	100	-	15	130	20	240
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						
Kharif 2019						
Rabi 2019-2020						

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	3.0	-	-	
2017-18	3.0	-	0.01812	
2018-19	-	1,75885	-	
2019-2020	-	2,78,715	-	

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				
Booklets	• Chhatu Chasa • Ghara Agana re Kukuda Palana, • Munda Janla Chasa	• Dr. B.L Rut Scientist(Home Sc) • Mr. T. Badajena Scientist(Agril. Extn) • Dr. A.K. Swain(SS&H)	20 20 20	20 20 20
Bulletins				
News letter	Sabuja Swarna	All Staff	2	1000
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature	Pump Technician	Er. S. Dwivedy, Scientist(Ag. Engg) Dr. A.K.	500	Mass

	Tractor Operator	Swain(SS&H) Er. S. Dwivedy, Scientist(Ag. Engg) Dr. A.K. Swain(SS&H)	50	50
Technical reports	Annual Progress Report & Annual Action plan	All staff	5	5
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.	ToT programme	ASCI	Mrs. Suchismita Dwivedy, Sci(Ag. Engg.)	9.11.2016-12.11.2016 , 3days	ASCI

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

Name of farmer	Sudhira ku DalabeheSanjubala mahapatrara
Address	W/O- Shri Sukanta Mohapatra, At-erundipathar, GP- Gania, Block-Gania Dist-Nayagarh
Contact details (Phone, mobile, email Id)	9556701757
Landholding (in ha.)	1.0 ac
Name and description of the farm/ enterprise	Mushroom Production
Economic impact	She earns Rs15,000/- to 20,000 per 25 days income from mushroom production
Social impact	Now she is maintaining a good social life and she has planned for another 40-50 nos of mushroom beds per day
Horizontal/ Vertical spread	41%

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

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

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

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Paddy	Use of rottens snail for Gandhibog	Less costly eco-friendly
2.	Paddy	Alley cropping for BPH mgt.	Low cost technology
3.	Greengram	Use of colourful pots for pest management	Low cost technology

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)
1	paddy	25ha	42.5q	20	Y

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 (Soil testing kit)	3
2	Flame photometer	1
3	Visible Spectrophotometer	1
4	Double distillation unit with distillation apparatus	1
5	Rotary Shaker	1
6	N-analyzer	1
7	Soil moisture meter	1
8	PH, EC, TDS combined meter	1
9	Magnetic stirrer with hot plate	1
10	Precision analytical balance	1
11	Electronic micro-processor with scrubber	1
12	Hydrometer Boycos (Hot plate rectangular)	1
13	Soil sample collection Agar	1

14	Digital balance	1

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			
410		410	2000	210	

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	WORLD SOIL DAY	60	-	-	09	50

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
2	2	-	30	5

3.13. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Awareness campaign on bio-control of pests	2	100	Bio-control in sugarcane
Farmers-scientists interaction	2	200	Fertilizer management and Pump technician
Exhibition	1	100	Pump technician
Film show			
Soil health Awareness campaign	0	0	-
Road show	1	-	Latest Scientific technologies on various crop & livestock's
Diagnostic Practical's			
Distribution of Literature (No.)	1	100	Scientific cultivation of rice, sugarcane, pulses, apiculture, vermin-composting , mushroom cultivation
Distribution of Seed (q)			
Distribution of Planting materials (No.)		100	*A mangium*, teak & papaya

Bio Product distribution (Kg)			
Bio Fertilizers (q)	-	-	-
Distribution of fingerlings (No)			
Animal health camp	0	0	-
Total number of farmers visited the technology week	0	528	

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

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
10.04.2019	Prof. P.K Roul Dean, DEE, OUAT, BBSR	Review of KVK activities
21.11.2019	Dr. K.S Das Principal Scientist, ATARI, Kolkata	SAC meeting
21.11.2019	Dr. P J Mishra Joint Director, DEE, OUAT, BBSR	SAC meeting & Monitoring of Activity
12.07.2019 to 13.07.2019	Dr. M.P Nayak Joint Director, DEE, OUAT, BBSR	Action plan Finalization of ARYA
	Dr. H.K Sahoo Dy. Director, DEE, OUAT, BBSR	
	Dr. Sanjay Mohanty Sr. Scientist & Head, KVK, Puri	
	Dr. Swagatika Sahu Sr. Scientist & Head, KVK, Ganjam-1	
	Dr. Saswati Pattnaik Sr. Scientist & Head, KVK, Sambalpur	

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)

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)

Technology demonstrated	Horizontal spread of technology		
	No. of villages	No. of farmers	Area in ha
Green manuring in direct seeded kharif rice	25	250	225
Varietal substitution in rice	27	195	210
Pyara cropping of field pea	15	109	167
Cultivation of Tissue cultured banana	35	35	40
Cultivation of high yielding variety of papaya	19	36	24
Introduction of improved EFY Var. Gajendra	15	179	17
Crop substitution with arrowroot.	35	184	68
Introduction of improved Turmeric var. Suroma	16	39	7
Integrated pest management in rice	12	171	118
Biological control of sugarcane borers	32	263	198
Bee keeping for rural youth	15	37	121 Units
Integrated pest management in brinjal	17	159	99
Microbial control of tomato fruit and shoot borer	17	85	45
Freshwater prawn culture	19	58	37
Ornamental fish culture	7	21	185Unit
Pond based farming system	22	87	33
Backyard poultry rearing	35	97	67 units
Use of maize sheller for drudgery reduction	20	112	112 units
Use of sunflower thresher for drudgery reduction	12	74	35 units
Use of low cost solar dryer for drying mahua flowers	10	10	10 units
Introduction of Elephant Foot Yam var. Gajendra	29	193	13
Varietal substitution by high sucrose content variety	7	31	10
Growing of bamboo raised through culm cutting method	17	45	35
Growing of *Acacia mangium*	8	63	6

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
1	Pre-emergence herbicide pendimethalin @ 750 g/ha application at 0-3DAT followed by Post-emergence herbicide Bispyribac sodium@25g/ha-25DAT for weed management in transplanted rice	Increase on knowledge & skill in weedcide& its application Timely weed control Less incidence of pest & diseases	Reduction in cost of weeding by Rs. 5000/ha & increase in yield by 6.8 q/ha

2	Rice varieties tolerant to BPH "Hasant"	Most tolerant variety to BPH Less No. of BPH count	increase in yield by 6 q/ha with BPH count of 5.7/ sqr m
3	Integrated management of DBM in Cabbage (Crop planting Cabbage:Mustard = 9:1, Pheromone trap 25nos/ha. and application of Spinosad 45sc @125ml/ha	Timely control of DBM in cabbage	Increase in yield by 62.5 q/ha
4	Demonstration on Power Weeder for weeding in Brinjal	Increase in skill on weeder operation Timely weed control Less no. of mandays required	Cost of weeding reduced by Rs . 6000/ha
5	production of Paddy straw mushroom with threshed straw(5kg straw,Pulse powder 3%,Soaking period 5hr)	Better utilization of threshed straw Increase in skill of mushroom production with loose straw Labour & time saved	Net profit increased by Rs.100/100bed

4.4. Details of innovations recorded by the KVK

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

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	**Stunted Fingerlings Production**
Name & complete address of the entrepreneur	**Mrs. Laxmi Pradhan ,** C/o-Jayakrushna Pradhan At-Malisahi, GP- Malisahi Block-Nuagon, Dist-Nayagarh
Role of KVK with quantitative data support:	Start-Up Incentive of Rs. 10,000/
Timeline of the entrepreneurship development	3 years
Technical Components of the Enterprise	Training programmes, Exposure visit, Practical and demonstration
Status of entrepreneur before and after the enterprise	Average net income after intervention per month Rs. 15,000/- Average net income before intervention per month Rs. 7,000/-
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Presently she has owned two ponds and each of 1 acre area.

Horizontal spread of enterprise	22%

Entrepreneurship development	
Name of the enterprise	**Backyard Poultry Rearing**
Name & complete address of the entrepreneur	Rasmiranjan Barik, At/po- Adakata Block/Dist.- Nayagarh
Role of KVK with quantitative data support:	Start-Up Incentive of Rs. 10,000/
Timeline of the entrepreneurship development	3 years
Technical Components of the Enterprise	Training programmes, Exposure visit, Practical and demonstration
Status of entrepreneur before and after the enterprise	Average net income after intervention per month Rs.19,700/- Average net income before intervention per month Rs. 9,254/-
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	This year he planned to make a project of production 1600 birds per annum
Horizontal spread of enterprise	23.2%

Entrepreneurship development	
Name of the enterprise	**Mushroom Production**
Name & complete address of the entrepreneur	Mr. Manas Ranjan sahoo, At/Po-Champatipur, , Dist-Nayagarh
Role of KVK with quantitative data support:	Start-Up Incentive of Rs. 10,000/
Timeline of the entrepreneurship development	3 years
Technical Components of the Enterprise	Training programmes, Exposure visit, Practical and demonstration
Status of entrepreneur before and after the enterprise	Average net income after intervention per month Rs.15,000/- Average net income before intervention per month Rs10,000/-
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Now he is maintaining a good social life and he has planned for another 50-60 nos of mushroom beds per day.
Horizontal spread of enterprise	29.2%

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
ATMA	BGREI Monitoring and Field visit
IRRI	emonstration of stress tolerant paddy varieties
CIMMYT	Popularization of climate resilient maize hybrids
CARI, CPDO, IPDP	Procurement of day old vanaraja poultry chicks
NRRI	Procurement of agro-ecosystem based paddy varieties for popularization
CTMRT	Exposure visit Mushroom production
CIFA	Exposure visit for Fish production
Deptt. Of Fishery Sc	For Fish production
Deptt. Of Horticulture	For Mushroom production
Deptt. Of Veterinary and Animal Husbandry	For poultry birds

5.2. List of special programmes undertaken during 2019-20 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety /breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Polyhouse	2010-11	120	Brinjal tomato cauliflower,Ceracola, Teak &Mangium	42355		51,214	63534	
2.	Vermicompost	2010-11	1 unit		1250kg		1054	18150	
3.	Mushroom Spawn production	2010-11	50	OSM-11		5250no.	38471	78750	
4.	Mushroo	2017-	120	PSM &	1.2q		15880	19200	

	m producti on	18		Oyester					
5.	Backyar d poultry	2016-17		Banaraj a		2040no .	58475	11220 0	
	Total								

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	
Sugarcane	12.1.19	24.12.19	0.6ha	Raghunath and Sabita	Setts	6.7t	19160	28532	

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.	Vermi-compost	1250kg	1054	18750	Increases soil aeration and water holding capacity

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.	chicks	vanaraja	21 days old chicks	2040	58475	112200	Fast growing
2.	IMC	-	-	50000	38335	47142	Stunted fingerlings

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)
10thFeb'20-16March'20	20	20	
10thFeb'20-16March'20	20	20	
Total :	40	40	

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:
No. of staffquarters:: No staff quarter
Date of completion:
Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current and Saving account	SBI, Main branch, Nayagarh	Nayagarh	33991533548:- Revolving Fund 11383056681:-Contingency 36473719407:- ARYA

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

Item	Released by ICAR		Expenditure		Unspent balance as on -31.03.2020
	Kharif	Rabi	Kharif	Rabi	
Mustard		3,00,000		1,72,315	1,27,685

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2013
	Kharif	Rabi	Kharif	Rabi	
Arhar	1,78,800		1,32,931		45,869
Chickpea					

2019.5. Utilization of KVK funds during the year 2019-20(Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances			
2	Traveling allowances	1,00,000	1,00,000	1,00,000
3	Contingencies			
A	OE&POL	3,60,000	3,58,800	3,58,428
B	Training	2,70,000	2,70,000	2,69,994
C	FLD	1,35,000	1,35,000	1,08,368
D	OFT	1,35,000	1,35,000	77,981
E	SCSP	3,00,000	3,00,000	2,10,679
TOTAL (A)		9,76,000	9,76,000	11,25,450
B. Non-Recurring Contingencies				
1	Library	10,000	10,000	10,000
2	Vehicle	8,00,000	8,00,000	8,00,000
TOTAL (B)		8,10,000	8,10,000	8,10,000
C. REVOLVING FUND				2,78,715
GRAND TOTAL (A+B+C)				**22,14,165**

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)
2016-17	3,35.493	2,03,343	69,574	4,59,462 (Deposited with DEE, OUAT vide RF cheqe No. 342022 dt.31.03.207
2017-18	NIL	360476	2,64,232	2,96,244
2018-19	2,96,244	3,11,456	1,75,885	2,80,547
2019-20	2,69,714	1,67,994	2,78,715	1,43,627

7.6. (i) Number of SHGs formed by KVKs-17
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities- Mushroom production, Vermi-composting, Value addition

(iii) Details of marketing channels created for the SHGs- Through ORMAS and OLM

7.7. Joint activity carried out with line departments and ATMA

Nameof activity	Number of activity	Season	With line department	With ATMA	With both
FFS	8	Kharif, 2019	4	2	2
BGREI Monitoring	18	Kharif, 2019	-	17	-
Field Day	35	Kharif, 2019 and Rabi, 2019-20	10	15	10

8. Other information

8.1. Prevalent diseases in Crops

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

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru YuvaKendra(NYK) Training

Title of the training programme	Period	No. of the participant	Amount of Fund Received (Rs)

	From	To	M	F	

9.2. PPV & FR Sensitization training Programme

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

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

Type of message	No. of messages	No. of farmers covered
Crop	25	125474
Livestock	8	6541
Fishery	5	5478
Weather	6	4785
Marketing	5	5941
Awareness	12	8547
Training information	5	4357
Other	-	-
Total	66	1,66,123

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	88745
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
10.08.2019	Vemicompost production from crop residues
22.09.2019	Segregation of bio degradable from non-biodegradable
28.09.2019	Cleaning of school campus

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 SeemaSurakshaBal/ BSF

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
Gunhhuni High School	12.08.19	200	Picco projector

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)
1	5	4	250	2	Sarapancha and Local MLA

9.11. Details of MahilaKisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Women in Agriculture day	1	77	2	Local MLA & Sarapancha

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

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1	Mr. Purna Ch. Sahu	Balugaon, Ph.no-8270840255	Mushroom production
2	Mr. Bignesh Maharana	Janisahi, Ph.no-9658737278	Farm mechanization
3	Mr.Abakash Sahu	Manapur Ph.No-7504562566	Fish Production

9.13. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Capacity building Training	0.5	ARYA
2.	Capacity building Training	0.13	ASCI
3.	Capacity building Training	0.005	FIAC, Daspalla
4.	Capacity building	0.04	FIAC, Nayagarh

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

9.14. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	ARYA	Capacity building Training	ICAR	0.5	**Nil**
2	ASCI	Capacity building Training	ICAR	0.13	**Nil**
3	FIAC, Kahndapada	Capacity building Training	FIAC, Kahndapada	0.005	**Nil**
4	FIAC, Daspalla	Capacity building Training	FIAC, Daspalla	0.04	**Nil**

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:2019
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 (NA)

a. Achievements of physical output under TSP during 2019-2020

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 otherprogrammes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	

b. Fund received under TSP in 2019-20 (Rs. In lakh):

c. Achievements of physical outcomeunder TSP during 2019-2020

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 2019-2020

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

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

Natural Resource Management

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

Crop Management

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

Livestock and fisheries

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

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

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) NA

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

16. Integrated Farming System (IFS)

Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1	Vermicomposting	7 no.	5 q/ bed	1931	4250	7	31%
2	Farm pond	0.2 ha	1,32,000 (Fry)	8780	17399	9	27%
3	Apiary	5 box	25 kg	3570	7500	5	29%

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	Integrated management of DBM in combination with cultural, mechanical and chemical measures.	Soil application of neem cake @2.5 qt/ha,Installation of Blue sticky traps @50nos/ha, & need based application of Difenthiuron @1gm/lt & Spiromesifen 240 SC @ 0.6ml/ lit alternately at 10 days interval	149278	10	

2	Seed treatment with Imidacloprid 600 FS @ 5 ml / kg seed + Yellow sticky trap @ 50/ha + Neem oil @5ml/lit spray on appearance of white fly + Spraying of Diafenthiuron 50 WP @ 312.5 g a.i./ha	4-stroke petrol engine,Weeding, hoeing and ridging are possible for the row spacing of 60 cm- 90 cm. Capacity:0.08 ha/h	2341	10	
3		Self Propelled 8-row Rice Transplanter - Suitable for line transplanting under medium land condition.• Spacing: 23.8 cm x 14/16/18 cm, Field Capacity – 0.15ha/h. It is operated by Diesel engine.	42284	10	
4		Threshed paddy Straw -5 kg, pulse powder 3%, soaking period-5 hrs	88	10	
5		Tomatos dried in the cabinet drier at 80^0c for 10 hours (tomato powder 5.0g+ onion 0.5g+ corn flour 2.0g+ cumin powder 0.5g+ peper 0.3g+salt 1.5g) Shelflife 6m	250	10	

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 15.03.2019)	22	6254	-	-	Crop diversification, Income generation, SSI, IWM, Farm mechanization
II (up-to 24.04.2019)	28	12548			
Total	50	18802			

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 2019

Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants						Whether uploaded to SIP Portal (Y/N)	Fund utilized for the training (Rs.)
				SC		ST		Other			
				M	F	M	F	M	F		
Tractor Operator	Er.(Mrs.)S. Dwivedy	10.02.20	16.03.20	0	0	0	0	20	0	Y	2,09,600
Mushroom Grower	Dr.(Mrs.)B.L Rout	10.02.20	16.03.20	0	0	0	0	15	5	Y	1,64,500

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2019

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(NA)

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(NA)

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											
KKA-II											

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															
KKA-II															

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 (Distribution of animals / birds/ fingerlings) [No.]*	*SC*		*ST*		*Others*		*Total*			
						M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*T*	
KKA-I															
KKA-II															

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										
	NADEP Pit established										
	Farm implements distributed										
	Others, if any										
KKA-II	Soil Health Card Distributed										
	NADEP Pit established										

	Farm implements distributed										
	Others, if any										

Krishi Kalyan Abhiyan- III NA

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	

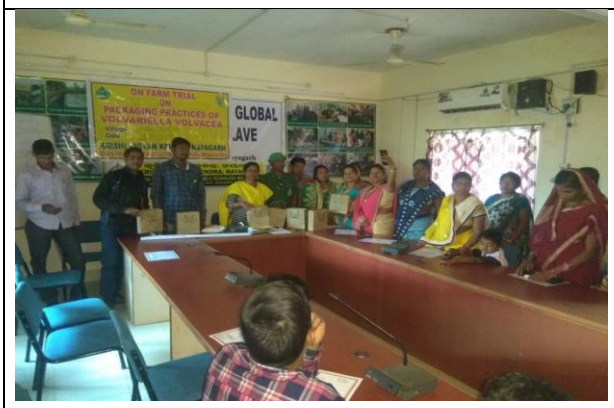
23. Any other programme organized by KVK, not covered above

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)

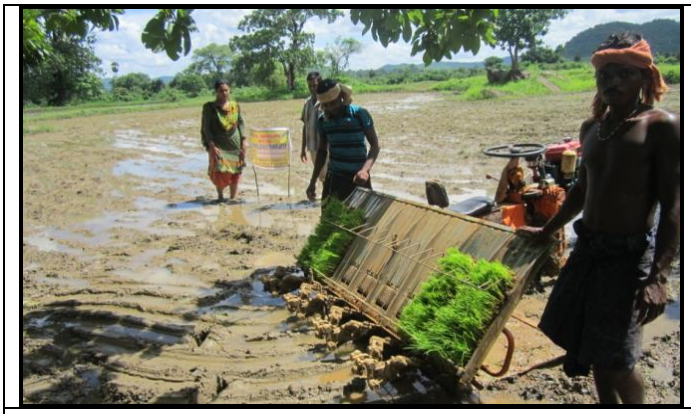
Assessment on Drip-Fertigation technique in Brinjal

Assessment on Paddy threshing by tractor drawn whole straw paddy thresher

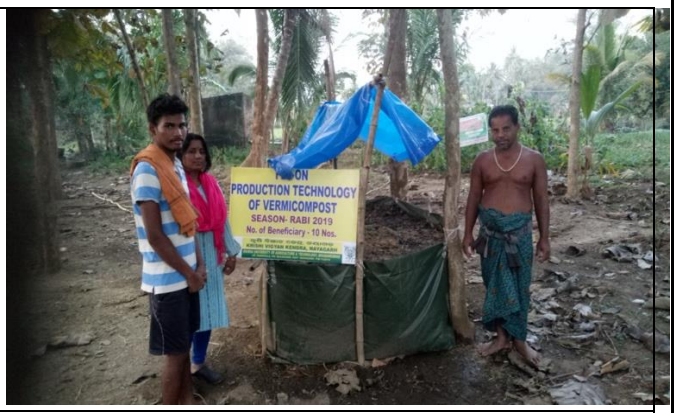


Assessment on Packaging Practices of paddy straw mushroom

Assessment of rice variety Hasanta tolerant to BPH/WBPH



Demonstration of self propelled rice transplanter



Demonstration of Vermicompost Production

Demonstration on thrive Management in Chilly

Demonstration of Boron application in rice

Demonstration of seed cum fertiliser drill (G. gram)

Demonstration on Value added product from tomato

Demonstration on Power weeder in Brinjal

Demonstration on Nurtitional Garden

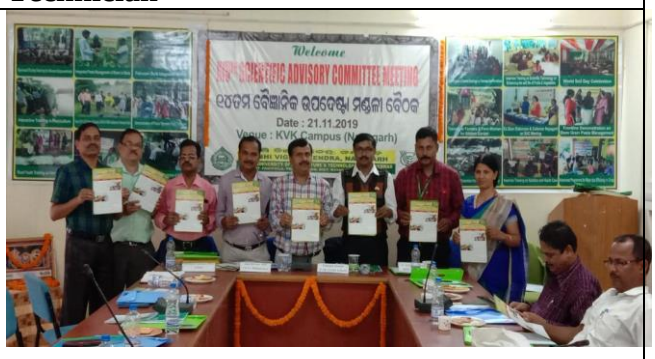
Demonstration on Integrated management of Diamond Back Moth in Cabbage

Demonstration of mushroom production from cumbled straw

Celebration of World Soil Day

Awareness Training Programme on Pump Technician

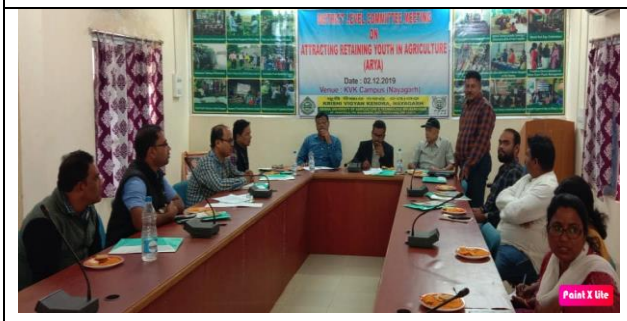
Celebration of Women's Day



Scientific Advisory Committee Meeting

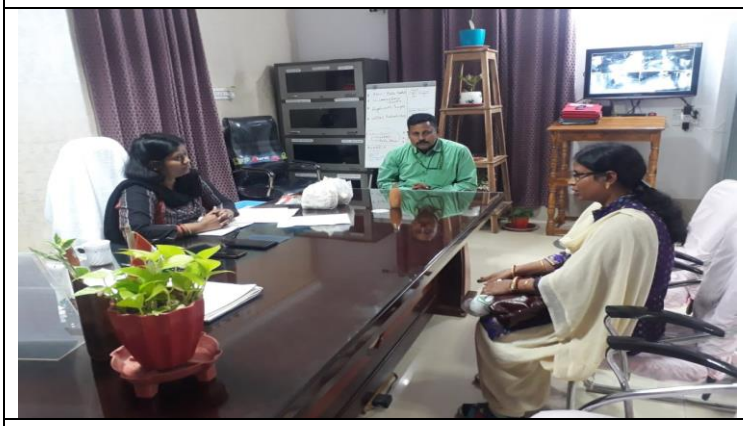
RE Interface Meeting

Diagnostic Field visit during RE Interface Meeting



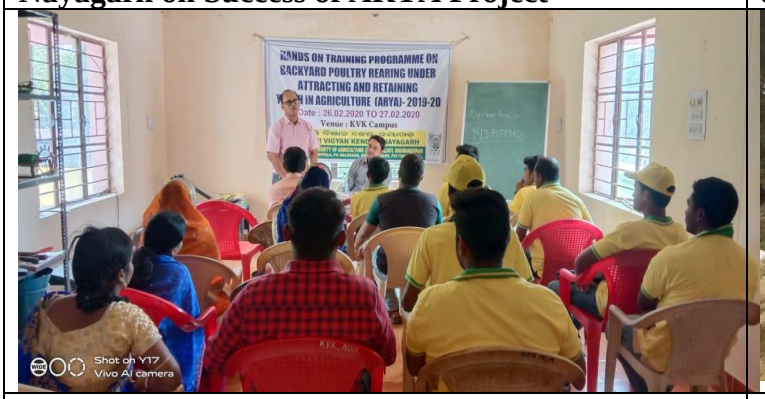
District Level Meeting on ARYA

Visit of Principal Scientists from ICAR-ATARI & OUAT-DEE to ARYA farmers field



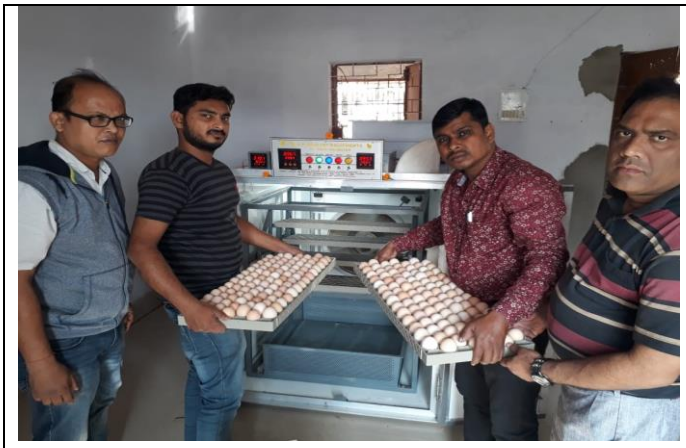
Discussion with Collector & District Magistrate, Nayagarh on Success of ARYA Project

Skill oriented interactive training on fisheries at KVK under ARYA



Skill oriented interactive training on Poultry at KVK under ARYA

Skill oriented interactive training on Mushroom production at KVK under ARYA



Mini poultry hatchery at KVK under ARYA

Field Visit during Review Workshop on ARYA

Inauguration programme on ASCI

Mushroom Grower skill training under ASCI at KVK

Tractor operator skill training under ASCI at KVK

Practical exposure on Tractor operator under ASCI

Agenda-III

After completion of the presentation, the Chairman requested the members to comment on the activities and invited suggestions. The suggestions were made by the members are listed below.

- The Principal Scientist, ICAR-ATARI, Kolkota advised for quality seed production, conventional fish production and development of a fish hatchery unit in the district.
- District Fishery Officer focused on introduction of new species with intensive pisciculture in the district.
- District Forest Officer emphasized on soil testing, cultivation of high yielding variety of sugarcane in the KVK farm and be also stressed on the exposure visit of FPO members.
- Executive Engineer, Irrigation focused on water use efficiency and an awareness training programme on the effective use of water in the district among the farmers.
- DDH, Nayagarh emphasized on organic farming.
- CDVO, Nayagarh advised for conducting programme on body weight of one day old chicks. He also focused on fodder cultivation and advised for demonstration of lemon grass in the district.

- CDAO, Nayagarh focused on pest and disease management in rice cultivation and awareness on cultural measures using improved equipment for control of diseases in rice cultivation.
- The secretary, NGO, SAMBHAV discussed on new generation herbicides, organic jiggery production, using of small tools like Mandwa weeder, vegetable planters etc. She also focused on a demonstration of trap crop in rice cultivation
- Sri. Chakradhara Jena, Farmer, Nayagarh suggested for a hatchery unit in the district for availability of fingerlings at the time of need.
- Sri. Swaraj Mohanty, Farmer, Ranapur focused on training programme on fencing for animal menace, training on intensive fish culture, training on grafted seedling production and training on drip irrigation system in the district.
- Smt. Sini Jena, Women Farmer, Nayagarh discussed on distress sale of oyster mushroom. She also emphasized on the production on paddy straw mushroom in the winter season.
- Smt. Janaki Pradhan, Women Farmer, Nayagarh discussed on the problem in marketing of value added production both in the district and outside the district.

Salient Recommendation

1. Demonstration on different high value crops like baby corn, lemon grass.
2. Evaluation of different new cultivable fish varieties.
3. Activities for availability of quality fish seed.
4. Different value addition product demonstration from oyster mushroom.
5. Trial of Mushroom production from different threshed straw.
6. Performance evaluation of different new poultry breed.
7. Awareness activities on conservation of water and soil.
8. Promotion of Innovative farmers for agricultural development.

The meeting was ended with the vote of thanks to the chair.

07/12/2019.

Sr. Scientist & Head
KVK, Nayagarh

Senior Scientist & Head
KRISHI VIGYAN KENDRA
O.U.A.T., Nayagarh-752070

Joint Director
DEE, OUAT, BBSR

Dean,
DEE, OUAT, BBSR

ANNEXURE-I

Members present in the 14th Scientific Advisory Committee Meeting

Sl. No	Name	Designation	
1	Dr. P.J Mishra	Jt. Director, DEE, OUAT, BBSR	Chairman
2	Dr. K.S.Das	Principal Scientist, ICAR-ATARI, Kolkota	Member
3	Sri. S.K.Mishra	Chief District Agricultural Officer, Nayagrah	Member
4	Mr. Dhanraj H.D	Divisional Forest Officer, Nayagarh	Member
5	Sri. S. C. Mohanty	Deputy Director of Fishery, Puri Zone (Nayagarh)	Member
6	Sri. S. Sahoo	DDH, Nayagarh	Member
5	Sri.R. N.Sethi	Dy. Engineer, O/O Executive Engineer Irrigation, Nayagarh	Member
6	Dr. D. Khulbe	Sr. Scientist RRTTS, CZ, Bhubaneswar	Member
7	Dr. M.Behera	ADVO, O/oCDVO, Nayagarh	Member
8	Chakradhara Jena	Farmer Representative (Small Farmer)	Member
9	Swaraj Kumar Mohanty	Farmer Representative (Big Farmer)	Member
10	Smt. Janaki Pradhan	Women Farmer Representative	Member
11	Smt. Sini Jena	Women Farmer Representative	Member
12	Mrs. Bijayalaxmi Rout	Scientist, Home Science, KVK	Nominated Member
13	Miss. Swagatika Mohanty	Jr. Scientist (Plant Path.), SRS, Nayagarh	Invitee
14	Dr. J.R Pattanaik	Jr. Scientist(Agro.), SRS, Nayagarh	Invitee
15	Miss. Sabarmati	Secretary, Sambhav, NGO	Invitee
16	Miss. Sunita Das Gupta	EO, Pratibha FPO, Nuagaon	Invitee
17	Dr. Lata Malik	Scientist, Soil Science KVK	Invitee
18	Er. Suchismita Dwivedy	Scientist, Agril. Engg. KVK	Invitee
19	Mr. Tribijayi Badjena	Scientist, Agril. Extn. KVK	Invitee
20	Dr. Anil Kumar Swain	Sr. Scientist & Head, KVK, Nayagarh	Member Convener

Sr. Scientist and Head
Senior Scientist & Head
KRISHI VIGYAN KENDRA