ANNUAL PROGRESS REPORT 2020

(January 2020 to December 2020)

ICAR

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କृषि विज्ञान केन्द्र

KRISHI VIGYAN KENDRA

NAYAGARH

ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY

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

PROFORMA FOR ANNUAL REPORT(January 2020 to December 2020)

1. GENERAL INFORMATION ABOUT THEKVK

1.1 Name and address of KVK with phone, fax ande-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.comdeanextension_ouat@rediffmail.com

1.3Name of Senior Scientist and Head with phone & mobileNo.

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 January2021**)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist & Head	Dr. Anil Kumar Swain	Sr. Scientist & Head	Fishery Science	15600-39100 + AGP-8000	19.10.19	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	Subject Matter Specialist	Mrs. Snigdha Pattnayak	Subject Matter Specialist	Agrometerology (DAMU)	15600-39100	5.11.2020	Temporary	Other
9	Programme Assistant	Mr. Bikram Keshari Parimanik	Programme Assistant	Forestry	9300-34800	16.10.06	Temporary	Other
10	Computer Programmer	Mrs. Rosalin Praharaj	Programme Assistant	Computer	9300-34800	10.03.06	Temporary	Other
11	Farm Manager	Mr. Debasish Nayak	Farm Manager	Agronomy	9300-34800	31.01.19	Temporary	Other
12	Accountant / Superintendent	Vacant	O Superintendent cum Accountant	Accountant cum Office Superintendent				
13.	Stenographer	Mrs. T. Chhualasingh	Stenographer	Jr. Steno Cum Computer Operator	5200-20200	11.11.16	Temporary	Other
14.	Driver	Mr. Gopinath Kuanr	Driver	-	5200-20200	23.05.18	Temporary	Other
15.	Driver	Mr. Dillip Pradhan	Driver	-	5200-20200	18.02.19	Temporary	Other
16.	Supporting staff	Mr. Harihar Pradhan	Supporting staff	-	4440-7440	1.12. 14	Temporary	Other
17.	Supporting staff	Vacant	Supporting staff	-	4440-7440		Temporary	Other

1.6 Total land with KVK(inha) :

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 InfrastructureDevelopment:

A. Buildings andothers

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	14752	New
Tractor	2005	4,20,000	338.7(RunningHours)	Good
Motor Cycle	2005	51,000	105281	Good

C. Equipment & AVaids

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. Farmimplements

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
Sugarcane Ridger	2020	14000	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

* 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(2020)

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(2020)

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 inpulses. • Poor productivity of Pigeon peadue to diseasecomplex • Non-commercialisation ofOrganic wastage • Low productivity of countrybirds	• Farm mechanization in pigeon pea • IPDM in greengram • Promotion of renewableenergy • Vermi-compostproduction • Rearing management of improvedpoultry • Cultivation of Paddy straw mushroom with threshedstraw

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 threshedpaddy straw	• IPDM measures inpaddy • Off season vegetable cultivation & Promotion of floriculture • Varietal evaluation & production management offish • Cultivation of Paddy straw mushroom with threshedstraw
3	Nayagarh	Khandapada	Anlamada	Paddy, Greengram Vegetables, Groundnut Sesamum, Fishery	• Severe infestation of insect pestand disease in paddy, pulses. oilseed& vegetables • Imbalance use of manures and fertilizers with weed problem in Paddy, pulses & oilseeds leadingto low productivity • Poor yield due to disease Complex in vegetables&fruits. • Potato chips through open sundrying is a more time consuming and poor hygienic process • Low growth rate of normal Rohuwith low availability of natural plankton leading to less fish yield	• Organic farming in paddy, oilseeds &vegetables • Integrated weedmanagement in pulses &mango • INM &IDM invegetables • Value addition ofvegetables • Introduction of improved fish variety with feedmanagement
4	Nayagarh	Nayagarh	Chindera	Paddy, Greengram Mustard,	• Use of excessive nitrogenousfertilizer 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 (lowtemp)4th week of Dec. • Labour problem in sowing of greengram • Less return from paddy fallowareas • Low milk yield due to poorfeeding	• INM &IPDM in paddy • ICM in Rabigreengram • Farmmechanization. • Introduction of shortduration oilseedcrops • Feeding management ofdairy 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 countrybirds.	• Farm mechanization in vegetables • Introduction of highyielding varieties • Off season cultivation ofonion &cauliflower • Rearing management of improved breed ofPoultry

2.c Details of village adoption programme

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

Name of the villages adopted by PC and SMS (2020) for its development and actionplan

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

Achievements on technologies assessed and refined

OFT-1

1.	**Title of On farm Trial**	**Assessment of New generation fungicides for Sheath Blight management in Rice**
2.	Problem diagnosed	Lack of use of associated cultural practices as component of IDM
3.	Details of technologies selected for assessment/refinement	Assessment TO_1: Spraying of the combination fungicide Azoxystrobin+ difenconazole @ 1ml/l twice at 15 days interval starting from initiation of the infection TO_2 : Spraying of Trifloxystrobin 25%+Tebuconazole 50% 75 WG twice after 30 & 60 DAT
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on RICE, OUAT, CHIPLIMA-2018 , NRRI,ANNUALREPORT-2014
5.	Production system and thematic area	Rice - Green gram, IDM
6.	Performance of the Technology with performance indicators	Infected tillers /m^2 Cost of intervention. Additional income over additional investment % infection, Yield (q/ha), B:C ratio,
7.	Final recommendation for micro level situation	Trifloxystrobin 25%+Tebuconazole 50% 75 WG twice after 30 & 60 DAT Performing better result
8.	Constraints identified and feedback for research	Closing spacing and excess application of nitrogen (urea).Exact recommended spacing for minimizing incidence of sheath blight and recommendation of adequate use of nitrogenous fertilizer.
9.	Process of farmers participation and their reaction	Farmers participated in application of fungicide and taking physical and yield parameters

Thematic area: Integrated Disease Management

Problem definition: Lack of use of associated cultural practices as component of IDM

Technology assessed: Assessment of New generation fungicides for Sheath Blight management in Rice

Table:1

Technology option	**No. of trials**	**Yield component**			**% of disease index**	**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 grains per panicle**	**Test wt. (100 grain wt.)**						
FP	7	6	113	1.56	33	39.34	36881	59010	22129	1.6
TO_1	7	12	162	1.81	20	44.11	36555	66165	29610	1.81
TO_2	7	15	186	1.89	10	49.23	38662	73845	35183	1.91

OFT-2

1.	Title of On farm Trial	**Assessment on Performance of different substrates for vermicompost production**
2.	Problem diagnosed	Underutilization of organic wastage and scarcity of organic manure
3.	Details of technologies selected for assessment/refinement	Assessment FP Vermicomposting from normal cow dung compost TO1 Vermicomposting from cow dung+ vegetable waste (2:3) TO2Vermicomposting from cow dung+ Spent mushroom substrate (2:3) TO3 Vermicomposting from cow dung+ Field Crop residue (2:3)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NRCM, Solan, 2012
5.	Production system and thematic area	organic manure production and Production of organic inputs
6.	Performance of the Technology with performance indicators	NPK status (%), Conversion period(days), Conversion ratio
7.	Final recommendation for micro level situation	Vermicomposting from cow dung+ Field Crop residue (2:3)
8.	Constraints identified and feedback for research	Farmers are not aware about organic compost and adaptable to old method
9.	Process of farmers participation and their reaction	Group meetings, trainings and demonstration they are lacking in knowledge to adopt the technology

Thematic area: Production of organic inputs

Problem definition: Underutilization of organic wastage and scarcity of organic manure

Technology assessed: Assessment on Performance of different substrates for vermicompost production

Table: 2

Technology option	**No. of trials**	**Yield component**				**Yield (q/pit)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		NPK%	**Conversion Period (days)**							
FP		1.41,1.24,1.46	125			3.4	1650	5100	3850	3.09
TO1	10	1.51,1.25,1.56	121			4.8	1668	7200	5532	4.31
TO2	10	1.55,1.27,1.58	123			5.1	1675	7650	5975	4.56
TO3	10	1.61,1.35,1.59	122			5.5	1685	8250	6565	4.8

OFT- 3

1.	Title of On farm Trial	**Assessment on production of Finger millet varieties**
2.	Problem diagnosed	Low yield from local variety & Unavailability of HYV of finger millet
3.	Details of technologies selected for assessment/refinement	Assessment FP Cultivation of local variety of finger millet , yield potential 12-15q/ha TO1 Var Arjun TO2 Var Bhairabi TO3 Var Kalua
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	SLREC, OUAT, 2017-18
5.	Production system and thematic area	Rice- fallow and Varietal Intervention
6.	Performance of the Technology with performance indicators	Days to 50% flowering, Days to maturity, No. of fingers
7.	Final recommendation for micro level situation	The Variety having duration 126 days ,yield potential 20.7q/ha, Moderately resistance to Leaf blast, neck blast, finger blast and brown seed will adapt the situation.
8.	Constraints identified and feedback for research	Unavailability of HYV of finger millet and management of unutilized land
9.	Process of farmers participation and their reaction	Group meetings, trainings and they are lacking in knowledge to adopt the technology

Thematic area: Varietal Intervention

Problem definition: Low yield from local variety & Unavailability of HYV of finger millet

Technology assessed: Assessment on production of Finger millet varietie

Table: 3

Technology option	**No. of trials**	**Yield component**				**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		No. of fingers/ear	**Tiller/plant**							
FP		6	15.7			18	18529	63000	44471	3.40
TO_1	10	8.5	22.1			25.5	18539	89250	70711	4.81
TO_2	10	7.31	19			23	18530	80500	61970	4.34
TO_3	10	8	17			24.5	18532	85750	67218	4.6

OFT-4

1.	**Title of On farm Trial**	**Assessment on tractor operated Sugarcane Ridger for sugarcane cultivation**
2.	Problem diagnosed	Manually Preparation of land for sugarcane crop requires more time
3.	Details of technologies selected for assessment/refinement	Assessment FP: Making forrows and ridges by using Spades TO_1:Bullock drawn Ridger TO_2:Tractor operated Sugarcane ridger
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CAET, AICRP on FIM, TNAU
5.	Production system and thematic area	Rainfed, Farm Mechanization
6.	Performance of the Technology with performance indicators	Field capacity (ha/hr), Labour Requirement (MDs/ha) , Cost of operation (Rs/ha), Yield(q/ha)
7.	Final recommendation for micro level situation	Farmers are suggested to prepare the land using the ridger before planting of sugarcane so that proper spacing of 90 cm can be maintained which helps in better crop growth resulting better yield.
8.	Constraints identified and feedback for research	Skilled tractor operator is required to drive the tractor with the attachment of this ridger. The Tractor operated Sugarcane ridger resulted better as compared to Bullock drawn Ridger and accepted by the farmers.
9.	Process of farmers participation and their reaction	Group involvement during the training programme through group discussion and operation of the machine.

Thematic area: Farm Mechanization
Problem definition: Manually Preparation of land for sugarcane crop requires more time and more man power.
Technology assessed: Assessment on tractor operated Sugarcane Ridger for sugarcane cultivation
Table:4

Technology option	**No. of trials**	**Yield component**		**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		Labour (MDs / ha.)	Field Capacity (Ha/hr)				
FP: Making forrows and ridges by using Spades	10	12	0.2	10500	13000	2500	1.2
TO_1: Bullock drawn Ridger	10	6	0.15	13311	17200	3889	1.29
TO_2: Tractor operated Sugarcane ridger	10	1	0.4	16210	21550	5340	1.32

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)	Assessment 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	Bundles from straw should be of uniform size.
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:5

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-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	Assessment TO_1:75 µ HIPS punnet can be used for packaging and transported to distant markets in modified EPS cabinet with 6 kg. Ice placed in the separate side compartment. TO_2: Mushroom packaging in 75 µ paper pack covering thin polythene inner side of the bag.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	PAU,2020
5.	Production system and thematic area	Homestead, Income Generation
6.	Performance of the Technology with performance indicators	Very good, Cost of inputs, Net profit, B.C. Ratio, Sensory evaluation
7.	Final recommendation for micro level situation	The self-life of the paddy straw mushroom enhance to 72 hrs it can be marketed to other state & district.
8.	Constraints identified and feedback for research	Though the self-life of the Paddy straw mushroom is 10 to 12hrs. After assessment the self-life of mushroom can be enhanced to 72 hours.
9.	Process of farmers participation and their reaction	Training, group meeting, and they are showing interest in the technology.

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**			**Colour**	**Texture**	**Cost of cultivation (Rs./bed)**	**Gross return (Rs/bed)**	**Net return (Rs./bed)**	**BC ratio**
		Mushroom contain in box	**Mushroom contain in thermo cool box**	**Self life of mushroom**						
FP	10	1kg	10kg	10hours	brown	Delight	75/-	168/-	93/-	2.2
TO_1		250g	6kg	72hrs	Normal	Spongy	412/-	1320/-	908/-	3.2
TO_2		250g	6kg	18hrs	Pale brown	Spongy	382/-	1020/-	438/-	2.6

OFT-7

1.	**Title of On farm Trial**	**Assessment of Humidity management in paddy straw mushroom production**
2.	Problem diagnosed	Low yield due to improper production techniques.
3.	Details of technologies selected for assessment/refinement	Assessment TO_1:Cultivation of paddy straw mushroom with bundled straw substrate (3 layers)with covering the floor with 2 inch sand in moist condition. TO_2: Cultivation of paddy straw mushroom with bundled straw substrate (3 layers)with covering the floor with 2 inch sand in moist condition and spreading wet gunny bag along the window and walls.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	PAU-2020
5.	Production system and thematic area	Homestead, Income generation
6.	Performance of the Technology with performance indicators	Very good, Humidity %, Days to first flush, size of the fruiting bud, Average fruit bud wt. Pin head appearance, Cost of inputs, Net profit, B.C. Ratio
7.	Final recommendation for micro level situation	Spreading sand and hanging gunny bag with application of water in summer season can produce the paddy straw mushroom.
8.	Constraints identified and feedback for research	Though the temperature in the summer season increases upto 46 degree centigrade, Humidity decreases upto 45%, In this case the Humidity can be maintained by applying the above technology.
9.	Process of farmers participation and their reaction	Training, group meeting, and they are showing interest in the technology.

Thematic area: Income generation

Problem definition: Low yield due to improper production techniques.

Technology assessed: Assessment of Humidity management in paddy straw mushroom production

Table: 7

Technology option	No. of trials	Yield component			Temperature in degree centigrade	Humidity in %	Cost of cultivation (Rs./bed)	Gross return (Rs/bed)	Net return (Rs./bed)	BC ratio
		Output (Kg/ bed)Mushroom	Average fruiting bud wt.	Days of First fruiting						
FP	10	500g	38g	15 days	41	51	56	182	126	3.2
TO_1		890g	56g	12 days	35	85	62	222	160	3.5
TO_2		1000g	71g	11 days	33	80	65	250	185	3.8

OFT-8

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)	Assessment FP: No value addition TO_1: 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 TO_2: Amchur 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 SO_2 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	Strengthening income by preparation of split and Amchur powder
8.	Constraints identified and feedback for research	Amchur powder may be stored and used for throughout the year
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: 8

Technology option	No. of trials	Yield component			Conversion ratio	Self life	Cost of cultivation (Rs./kg)	Gross return (Rs/kg)	Net return (Rs./kg)	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

1.	**Title of On farm Trial**	**Assessment on performance of probiotics in Aquaculture**
2.	Problem diagnosed	Poor growth of fishes due to non-availability of sufficient beneficial microorganism in pond ecosystem for maintenance water quality for culture purposes which leads to less natural plankton.
3.	Details of technologies selected for assessment/refinement	Assessment TO_1: Water & Soil probiotics (*Bacillus subtilis, B. polymyxa, B. licheniformes, Pseudomonas putida, P. denitrificans*) contains- 3 x 10^8 CFU/g. will enhance the water quality, improves the growth of plankton, reduces formation of ammonia & other toxic gases. Trade Name: RIDALL (Vedass Biosciences). Application: -1kg/ac/month mix with sand TO_2: Feed probiotics (*Lactobacillus, Saccharomyces*) contains- 2.8 x 10^6CFU/gwill enhance the digestibility andimmunity in fishes leads to better growth, survivability and feed conversion ratio (FCR). Trade Name: - AQUALACT (Biostadt). Application: - 5g/kg of feed. TO_3-TO_1 + TO_2
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-CIFA, 2014
5.	Production system and thematic area	Culture Based System and Aquaculture Pond Management
6.	Performance of the Technology with performance indicators	Plankton level: ml/100lit. of pond water Feed Conversion Ratio (FCR)
7.	Final recommendation for micro level situation	The application of both the probiotics leads to better pond water environment
8.	Constraints identified and feedback for research	Availability of probiotics at village level
9.	Process of farmers participation and their reaction	Farmers involvement is much more acceptable for community ponds

Thematic area: Pond Management

Problem definition: Availability of low quantity of beneficial microorganism in the aquatic ecosystem leads to poor performance body metabolism as well as growth of natural plankton

Technology assessed: Performances of probiotics (Water & Soil and Feed) in aquaculture

Table: 9

Technology option	**No. of trials**	**Yield component**			**Survivability (%)**	**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		Plankton level: ml/100lit of pond water	**Feed Conversion Ratio (FCR)**	**Avg. Body wt. (gm)/6months**						
FP-Manuring & Feeding	1	2.5	1.5	420	78	18.80	121200	225600	104400	1.86
TO_1-Water &Soil probiotics	10	4.6	1.40	520	80	21.25	140500	255000	114500	1.81
TO_2-Feed probiotics	10	4.0	1.20	580	82	24.75	150800	297000	146200	1.96
TO_3 - TO_1+ TO_2	10	5.3	1.25	650	85	28.30	165000	339600	174600	2.05

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during theyear

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 Crop Management	**Demonstration of BPH tolerant rice variety"Hasanta"** Transplanting rice variety Hasanta, wider spacing, split application of N fertiliser, alternate wetting & drying, making alleys of 30 cm in every 3mt of rice	1.0	1.0	-	-	-	-	8	2	10			
2	**Rice**	**Weed management**	**Demonstration on weed management in transplanted rice** Pre emergence of pendimethalinv@750 gm/ ha at 0-3 DAT followed by post emergence Application of Bispyribac Sodium @ 25gm/ha at 25 DAT	**1**	**1**					**10**		**10**			

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall	No. of rainy days
				N	P2O5	K2O					
Rice	Kharif	Irrigated medium land	Red lateritic soil	248	37	219	Greengram	1st week July	Last week November	1879	40
Cabbage	Rabi 2020	Medium Land	Sandy loam	253	18	132	Rice	2nd week November	Last week Jan.	15.78	2
Green gram	Rabi 2020	Medium Land	Sandy loam	181	16	122	Rice	2nd week November	1st week February		
Chilli	Kharif 2020	Up land	Red laterite	248	37	219.6	Rice	3rd week October	1st week January		
Chilli	Rabi 2020	Medium Land	Sandy loam	176	8.6	124.4	Rice	3rd week October	1st week January		
Brinjal	Rabi 2020	Medium Land	Clay loam	195	8.4	101.9	Rice	3rd week October	1st week January		
Tomato	Rabi 2020	Medium Land	Clay loam	212	10.3	119.5	Rice	4thweek October	2ndweek February		
Marigold	Rabi 2020	Medium Land	Sandy loam	197	12.4	123	Rice	1st week January	1st week March		

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,detc., 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
Greengram	IDM	**Demonstration on integrated mgt. of YMV in Greengram** 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	10	1.0	4.95	3.88	21	17954	34650	16696	1.93	16263	27160	10897	1.67
Blackgram	Production of organic inputs	**Demonstration on Biofertiliser Management in Blackgram** Application of Biofertiliser consortia for blackgram, RDF and foliar application of 1% DAP+1% MOP at 20 and 40 DAS of Blackgram	10	1	7.2	5.6	28.56	17100	39600	22500	2.32	16296	30800	14503	1.89
	Total		10	1.0	4.95	3.88	21	17954	34650	16696	1.93	16263	27160	10897	1.67

* 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

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)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Chilli	IPM	**Demonstration of integrated management thrips & mites in chilli** Oil 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	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	**Demonstration of Bio-intensive management of Brinjal fruit and shoot borer** Soil application of neem cake @250Kg/ha , Installation of pheromone traps @25no/ha, Spraying of neem oil	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

		1500ppm @ 5ml /lit at weekly intervals. , Release of Trichogramma chilonis @ 50,000/ha.10days interval 6 times, Spraying of Spinosad @200															21
Tomato	Varietal intervention	**Demonstration of triple resistant Tomato variety Arka Rakashyak** Resistant to wilting leafcurl incidence however the plant is susceptible to lodging.	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
Marigold	Varietal intervention	**Demonstration of Marrigold Variety BM-2** Number of flowers per plant (128flowers/plant). The flowers are attractive, orange in colour, compact and found suitable for making garland, Flower dia- 4. Cm, Yield- 285 kg/plant	10	1.0	90.1	71.7	20.42%	No. of Flower per plant 73	No. of Flower per plant 58	44770	72080	27310	1.61	38497	57360	18863	1.49

Tomato	Yield increment	**Demonstration on adoption of staking methods for tomato Var-Arka Rakshyak** Staking will bedone in the vertical manner with fish net as staking material	10	1	425	370	55	59	-	88700	125500	76150	1.85	38000	62000	24000	22 1.63
Seedling production	Vegetable Seedling production	**Demonstration on low cost portable poly tunnel for seedling raising** Construction of low cost polytunnel (10'x3'x2') length: width: height, supported by bamboo frames.	10	10 units	5120	2145	138	86	76	5140	9842	4702	1.91	1220	1015	205	1.2
Lemon Grass	Production technology	**Demonstration on lemon grass** Planting lemon grass slips at a spacing of 1.5ft X 1.5ft with adequate irrigation and fertilizers	10	6	160					75,000	2,48000	1,73,000	3.34	-	-	-	

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																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	

* 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.)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Indian Major craps	Production & Management	**Demonstration of improved Rohu "Jayanti"** Stocking of "Jayanti" rohu @2000nos/ha. "Jayanti" rohu will replace normal rohu @2000nos/ha with proper manuring and feeding management in the culture pond. (DOC-10months))	10	10	22.2	18.5	20	780	650	138500	266400	127900	1.92	127300	222000	94700	1.74
Total			10	10	22.2	18.5	20	780	650	138500	266400	127900	1.92	127300	222000	94700	1.74

* 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	**Demonstration on paddy straw mushroom** Production of paddy straw mushroom with crumpled straw.	10	10	910g	1200g	31.8%	12days	10days	43	136.5	93.5	3.17	77	180	103	2.33
Button mushroom	**Demonstration on Nutritional security of farmwomen**															
Nutritional security	Nutritional garden with Protein, Vitamin & iron rich vegetables and fruits with consumers' preference.	10	04	4.49kg	3.36kg	33.6%	2.97kg	1.22 kg	4110	10680	6570	2.59	3820	7700	3880	2.01
	Total	20	14	914.49	1203.36	75.4%			4153	10816.5	6663.5	5.76	3897	7880	3983	4.34

* 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									

**** 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)			
				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										
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	425	370	55	88700	125500	76150	1.85
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl.specify)										
Total		**10**	**1**	**425**	**370**	**55**	**88700**	**125500**	**76150**	**1.85**
Commercial crops										
Coconut										
Others (Pl.specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl.specify)										
Total		**10**	**1**	**425**	**370**	**55**	**88700**	**125500**	**76150**	**1.85**

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1.	Vegetable Seedlings	Adopted by the farmers for the portable low cost bamboo structure with 100 micron polythene as cladding material resulted more germination percentage with better seedling growth in less time as compared to open field condition.
2.	Tomato	Accepted adopted by the farmers for its longer keeping quality and higher yield with year round production.
3.	Marigold	Ceracola variety of marigold perform better than the other variety
4.	Paddy Straw mushroom	More Research on alternate substrate for paddy straw mushroom.
5.	Lemon grass	This crop requires adequate irrigation show that the yield will be more by 6time crop cuttings instead of 4times in a year
6	Carps	Improved rohu "Jayanti" should be replaced for normal Rohu to increase the production

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	22.12.2020	1	20	FLD
2.	Farmers Training		8	200	F/FW
3.	Media coverage	-	-	-	-
4.	Training for extension functionaries	-	-	-	-

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2020 and Rabi 2020

A. Technical Parameter

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.	Chick Pea	Kabuli Buta	612	710	738	2000	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	25	10	10.86	6.92	8.89	20.13	16.98	-55

							Hectare at Flowering stage to control Powdery mildew and mitigate the Sulphur requiremen. Application of Thiometoxam @ 120 gm per Ha. to control Aphids and other Sucking pests. Application of Emamectin Benzoite @ 220 gm per Ha. to control pod borer. Application of NPK 19:19:19 WSF @ 4 Kg per Hectare During Flowering Stage and Pod Initiation Stage								
2	Mustard	Rai Sorisa	3.0	3.06	4.24	10	Variety: Uttara Seed treatment with Mancozeb @ 3 gram per Kg of Seed, Line sowing, STBF recommendation, Foliar application of WS Fertilizer NPK 19/19/19 @ 8 gm /litre of water at Flowering stage & Pod initiation stage.	129	50	5.35	4.17	4.76	-1.7	-0.52	5.24

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.	Crop: Chick Pea 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 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	17895	28274	10379	1.58	23800	41072	17272	1.72
2	Crop: Mustard Variety:Uttara Seed treatment with Mancozeb @ 3 gram per Kg of Seed, Line sowing, STBF recommendation,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	11500	1.68

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Crop: Chick Pea Variety: Ujjawala	889	569	4620	70	250	To mitigate house hold needs and repayment of hand loans.	85 Man days
2	Crop: Mustard Variety: Uttara	476.25	398	50	8	70	To mitigate house hold needs and repayment of hand loans.	19 Man days

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1	Variety : Uttara 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 water at Flowering stage & Pod initiation stage.	Yes	Good Yield	100%	No	Yes	Timely available of seeds should be ensured.

E. 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	Good	Better	Acceptable

grains per pod			
Yield	Good	Better	Acceptable

Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Crop : Mustard Activity :Field Day Village : Anlamada	17/01/2020	50
2	Crop: Chick Pea Activity: Seed Treatment campaign & Awareness Camp Village: Odia Budhapadara	02/01/2020	25
3	Crop: Chick Pea Activity: Seed Treatment campaign & Awareness Camp Village : Chinara	04/01/2019	25
4	Crop: Mustard Activity: Seed Treatment campaign & Awareness Camp Village : Poibadi	08/01/2019	25
5	Crop: Chick Pea Activity: Farmers Training Village: Chinara	13/02/2020	25
6	Crop: Chick Pea Activity : Field day Village: Odia Budhapadara	04/03/2020	50

Specific Characteristics of Technology and Performance

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

Extension activities under FLDconducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Field Day	17/01/2020	50
2.	Seed Treatment campaign & Awareness Camp (Odia Budhapadara)	07/12/2019	25
3.	Seed Treatment campaign & Awareness Camp (Chinara)	10/12/2019	25
4.	Farmers Training	13/02/2020	25
5.	Field day	04/03/2020	50

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

	
Awareness programme for Seed treatment	**Demonstration of seed treatment**
	
Quality crop grown by the treated seeds	**Field visit of Line dept. Officials and KVK Scientist of Mustard field**

H. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Mustard (Rabi-Jan 2020)	i) Critical input	270000	146025	123975
	ii) TA/DA/POL etc. for monitoring	30000	26290	3710
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	300000	172315	127685
Crop: Chick Pea (Rabi-Jan 2020)	i) Critical input	80400	68125	12275
	ii) TA/DA/POL etc. for monitoring	9600	7021	2579
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	90000	75146	14854

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

A) Farmers and farm women (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young													

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
plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Margold cultivation													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost 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
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
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													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL													

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Enterprise development													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others if any													
TOTAL													

C) Extension Personnel (on campus)

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

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
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Yield increment	1	20	5	25	-	-	-	-	-	-	20	5	25
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising	1	22	-	22	-	2	2	1	-	1	23	2	25
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	1	9	12	21	1	0	1	3	0	3	2	12	25
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Marigold Cultivation	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, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management	2	47	3	50	0	0	0	0	0	0	47	3	50
Soil and Water Conservation													
Integrated Nutrient Management	2	46	2	48	2	0	2	0	0	0	48	2	50
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops	1	13	12	25	0	0	0	0	0	0	13	12	25
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	3	0	67	67	0	4	4	0	4	4	0	75	75
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing	1	0	21	21	0	4	4	0	0	0	0	25	25
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women	4	0	90	90	0	10	10	0	0	0	0	100	100
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
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	2	21	4	25	18	7	25				39	11	50
Others, if any													
VII. Plant Protection													
Integrated Pest Management	4	55	39	94	2	2	4	0	2	2	57	43	100
Integrated Disease Management	3	34	3	37	0	0	0	10	3	13	65	10	75
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
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, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
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													
Market Led Extension	1	11	5	16	1	0	1	4	4	8	16	9	25
XI Agro-forestry													
Production technologies	1	25	0	25	0	0	0	0	0	0	25	0	25
Nursery management													
Integrated Farming Systems	1	25	0	25	0	0	0	0	0	0	25	0	25
XII. Others (Pl. Specify)													
TOTAL	30	289	246	548	23	29	50	14	13	27	360	290	750

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Ebrich Farmers profitability through FPO	1	10	4	14	6	0	6	0	0	0	16	4	20
TOTAL	1	10	4	14	6	0	6	0	0	0	16	4	20

F) Extension Personnel (Off Campus)

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

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
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL													

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment	1	20	5	25	-	-	-	-	-	-	20	5	25
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization	1	22	-	22	-	2	2	1	-	1	23	2	25
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	1	9	12	21	1	0	1	3	0	3	2	12	25
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	1	24	1	25	0	0	0	0	0	0	24	1	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Marigold Cultivation	1	24	1	25	0	0	0	0	0	0	24	1	25
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management	2	47	3	50	0	0	0	0	0	0	47	3	50
Soil and Water Conservation													
Integrated Nutrient Management	2	46	2	48	2	0	2	0	0	0	48	2	50
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops	1	13	12	25	0	0	0	0	0	0	13	12	25
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL	5	106	17	123	2	0	2	0	0	0	108	17	125
IV. Livestock Production and													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	3	0	67	67	0	4	4	0	4	4	0	75	75
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing	1	0	21	21	0	4	4	0	0	0	0	25	25
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women	4	0	90	90	0	10	10	0	0	0	0	100	100
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements	1	25	-	25	-	-	-	-	-	-	25	-	25
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition	2	21	4	25	18	7	25				39	11	50
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	4	55	39	94	2	2	4	0	2	2	57	43	100
Integrated Disease Management	3	34	3	37	0	0	0	10	3	13	65	10	75
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL													
VIII. Fisheries													
Integrated fish farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing &stocking pond													
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, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
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, if any	1	11	5	16	1	0	1	4	4	8	16	9	25
TOTAL													
XI Agro-forestry													
Production technologies	1	25	0	25	0	0	0	0	0	0	25	0	25
Nursery management													
Integrated Farming Systems	1	25	0	25	0	0	0	0	0	0	25	0	25
TOTAL													
XII. Others (Pl. specify)													
TOTAL	30	401	265	666	24	25	49	14	13	27	712	38	750

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others if any (ICT application in agriculture)	1	10	4	14	6	0	6	0	0	0	16	4	20
TOTAL	1	10	4	14	6	0	6	0	0	0	16	4	20

ii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													

Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													
TOTAL													

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Plant Protection	F/FW	Use of cultural and mechanical practices for BPH Management in Paddy	1	Off	22	3	25	4	2	6
	F/FW	New generation pesticides for Sheath blight Management in Paddy	1	Off	25	0	25	2	0	2
	F/FW	Seed treatment for BLB Management in Paddy	1	Off	24	1	25	2	0	2
	F/FW	Use of seed treatment for YMV management in greengram	1	Off	10	15	25	2	4	6
	F/FW	Mechanical practices and use of new generation Pesticides for	1	Off	25	0	25	4	0	4

		YMV management in greengram								
	F/FW	Cultural, mechanical and new generation pesticides for Leaf curl management in chill	1	Off	18	7	25	7	5	12
	F/FW	Mechanical practices and new generation pesticides for control of DBM in Cabbage	1	Off	22	3	25	4	1	5
	F/FW	Use of Bio control methods for - management fruit and shoot borer in Brinjal	1	Off	21	4	25	0	0	0
	F/FW	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 axial flow Cultivation technique of paddy thresher	1	Off	15	0	15	0	0	0
	F/FW	Designing of nutritional	1	Off	15	0	15	6	0	6

		garden								
	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		Off	15	0	15	1	0	1

		extension								
		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 farmers		Off	25	0	25	5	0	5
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		Meeting of fuel wood requirement through homestead forestry		Off	25	0	25	3	0	3
		Cultivation of lemon grass		Off	15	10	25	6	7	13
Agronomy		Nutrient		Off	Off	15	0	15	5	0

		management in Blackgram under Rice-Blackgram paira cropping system,								
		Intigrated weed management in Greengram		Off	Off	0	25	25	0	1
Horticulture		Scientific and commercial cultivation of marigold		Off	Off	5	20	25	0	2
		Scientific method of seedling raising of Bitter gourd after late harvest of paddy.		Off	Off	15	0	15	0	0
		Scientific cultivation of Hybrid Tomatao		Off	Off	15	0	15	5	0
		Micronutrients deficiency symptoms in tomato and their management		Off	Off	0	25	25	0	1

4. A.

Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	3	40	40	80	9	3	4	7	43	44	87
Kisan Mela	2	57	5	62	36	5	3	8	62	8	70
Kisan Ghosthi											
Exhibition	1	600	200	800	33	100	50	150	700	250	950
Film Show											
Method Demonstrations	25										
Farmers Seminar											
Workshop	1										
Group meetings	30										
Lectures delivered as resource persons	17	75	950	1025	41	9	11	20	84	961	1045
Advisory Services	10										98215

Scientific visit to farmers field	864										
Farmers visit to KVK	950	650	300	950	35	3	3	6	653	303	956
Diagnostic visits	60										
Exposure visits	2										
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	-	-	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)	8	164	206	370	31	22	24	46	186	230	416
Sankalp Se Siddhi											
Swatchta Hi Sewa	1	10	0	10	0	2	0	2	12	0	12
Mahila Kisan Divas											
Any Other Awarness Probrammes	4	17	176	183	29	14	42	56	31	218	249
Total	1978	1613	1877	3480	214	158	137	295	1666	2014	102000

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	13
Radio talks	0
TV talks	1
Popular articles	2
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	
					F	M	F	M	F	M	F
Total											

KVK farm

Crop	Variety	Quantity of seed (no)	Value (Rs)	Number of farmers to whom seedprovided							
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
Vegetable seedlings							
Cauliflower	Dhawal	8000	20000	20	22	60	82
Cabbage	Round	5000	12500	17	25	55	97
Tomato	Arka rashkhyak	20000	50000	39	48	117	204
Brinjal	Utkal kumari, Fortune(wilt resistance)	15000	37500	12	18	105	135
Chilli	Arka shweta	7000	17500	25	28	136	189
Onion	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-
Mango	-	-	-	-	-	-	-
Guava	-	-	-	-	-	-	-
Lime	Local	500	7500	4	7	13	24
Papaya	Red lady	2000	5000	19	25	119	163
Banana							
Dumstick	PKM1	2000	5000	24	28	121	173
Mariegold	French marriegold/Afrrican marriegold	12000	30000	18	22	147	187
Ornamental plants	-	-	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-	-	-
Plantation	-	-	-	-	-	-	-
Spices	-	-	-	-	-	-	-
Turmeric	-	-	-	-	-	-	-
Tuber	-	-	-	-	-	-	-
Elephant yams	-	-	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-	-	-
Forest Species	-	1000	12000	19	20	110	139
Others, pl.specify	-		-	-	-	-	-
Total	-	72500	170000	190	243	1226	2619

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 (Vermicompost)	2060	30900	20	15	2	3	13	7	40	20
Bio-pesticide										
Bio-fungicide										
Bio-agents										

Others, please specify.											
Total	2060	30900	20	15	2	3	13	7	40	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	Vanaraja	2466	124490	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	Amur Carp	50000	50000	25	-	50	-	100	15	175	15
Spawn	Paddy Straw& Oyster	8481	127215	25	2	100	-	25	130	20	260
Others (Pl. specify)											
Grand Total		60947	301705	100	32	170	10	225	225	365	395

3.5 B. Seed Hub Programme-*"Creation of Seed Hubs for Increasing Indigenous Production of Pulses inIndia"*

i) Name of Seed HubCentre:

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

ii) Quality Seed ProductionReports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2020	Rice	Hasanta	1	1ha	18.2qtl	Foundation seed
Rabi 2020-21	Greengram	IPM 2-14				

iii) FinancialProgress

Fund received (2017-18 2018-19 and 2019-20, 2020-21)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2017-18	3.0	-	0.01812	
2018-19	-	1,75885	-	
2019-20	-	2,78,715	-	Rs. 0.50000 lakhs profit deposited to DEE, OUAT
2020-21	-	4.19663	1.74810 (Profit)	Rs. 3.00 lakhs profit deposited to DEE, OUAT

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				
Booklets	Mushroom Cultivation	Dr. B.L Rout Scientist, Home science	20	20
	Backyard poultry rearing	Mr. Tribijayi Badjena Scientist, Agril. Extn.	20	20
	Stunted fingerling production	Dr. A.K. Swain Sr. Scientist & Head	20	20
	Mushroom Cultivation	Dr. B.L Rout Scientist, Home science	500	500
	Scientific mustard Cultivation	Mr. Debashis Nayak Farm Manager		
Bulletins				
News letter	Sabuja Swarna	All Staff	2	1000
Popular Articles	Broadcasting and poor weed management in rice	Dr. A.K. Swain Sr. Scientist & Head Mr. Tribijayi Badjena Scientist, Agril. Extn.	400	New Frontiers in Agricultural Extension– Volume II
Book Chapter				
Extension Pamphlets/ literature	Pump Technician	Dr. A.K. Swain Sr. Scientist & Head Er. S. Dwivedy, Scientist, Agril. Engg.	500	Mass
	Tractor Operator	Dr. A.K. Swain Sr. Scientist & Head Er. S. Dwivedy, Scientist, Agril. Engg.	50	50
Technical reports	Annual Progress Report & Annual Action plan	All staff	5	5
Electronic publication (CD/DVD etc)				
TOTAL			1517	1615

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

Details of HRD programmes undergone by KVKpersonnel:

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Online Training Programme	Communication and management professionals skills for extension	Dr. Anil Kumar Swain, Senior Scientist and Head	01-21, October 2020 (21days)	ICAR-NAARM

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	Sujata Nayak
Address	W/O-Manoj Kumar Nayak, At- Maskabadi, GP-Sanpada, Block-NuagaonDist-Nayagarh
Contact details (Phone, mobile, emailId)	9938691260
Landholding (in ha.)	1.0 ac
Name and description of the farm/ enterprise	Mushroom Production
Economic impact	She earns Rs14,000/- to 22,000 per 28 days income from mushroom production
Social impact	Now she is maintaining a good social life and she has planned for another 50-60 nos of mushroom beds/ day
Horizontal/ Vertical spread	71%



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

Sl. No.	Name/ Title of the technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology
1	Floating Frame	DR. ANIL KUMAR SWAIN	Floating fish feed management to minimize loss

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 suitablephotographs)

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 pestmanagement	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	20ha	40.5q	20	Y

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

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 TestingLaboratory

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			

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	50	-	-	10	10

3.12 Activities of rain water harvesting structure and micro irrigationsystem

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

3.13. Technology weekcelebration:

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Awareness campaign on bio-controlof pests	2	100	Bio-control in sugarcane
Farmers-scientists interaction	2	200	
Exhibition	1	100	Pump technician
Film show			
Soil health Awareness campaign	0	0	-
Road show	0	0	
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.)	2	565	Papaya, chilly, tomato, cabbage
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
8	06

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
23.12.2020	Prof. Pawan Kumar Agrawal Hon'ble Vice Chancellor	Monitoring of KVK
23.12.2020	Dr. Lalit Mohan Garnayak Dean, DEE, OUAT, Bhubaneswar	Monitoring of KVK

4. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Mushroom production by increasing self-life of the produce from 12 hrs to 72hrs	50	60%	3,50,000	8,00,000
Production of paddy straw mushroom by using crumbled straw	50	90%	1,68,000	2,64,000

NB: Should be based on actual study, questionnaire/group discussion etc. withex-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 reportingperiod

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 weedcontrol 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 ofSpinosad 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	Farm Mechanization
Name of the Innovation	Motorcycle operated Row maker cum ridger
Details of Innovator	The innovator is basically a progressive farmer of the district. He owns about 3ha of cultivatable land. He cultivates paddy, sugarcane, pulses and vegetables.
Back ground of innovation	He got the technical support from KVK scientist as well as the line department to modify the ridger. For the machine is attached to a motorcycle to run.
Technology details	The Row maker cum ridger is a motorcycle operated ridger. The width of row is adjustable and it can be adjusted to 2-3 ft spacing as per the crop requirement. It is used for planting of sugarcane, arhar and vegetable crops. The field capacity of the machine is 0.25 acre per hour. It requires 1 litr petrol to run for 0.25 acre land. The machine makes upto 6 inch depth.
Practical utility of innovation	By using the machine, proper width of the ridge can be obtained as per the requirement of the particular crop. It can be easily run by a farmer. It saves time as well as labour as compared to manually land preparation method.

Thematic area	Farm Mechanization
Name of the Innovation	Rotary Tiller
Details of Innovator	The innovator is basically a progressive farmer of the district. He owns about 2 ha of cultivatable land. He cultivates paddy, pulses, maize, groundnut and vegetables.
Back ground of innovation	He got the technical support from KVK scientist as well as the line department to modify the rotary tiller.
Technology details	The implement is run by a 2hp motor using kerosene to start the motor. The implement is attached with the motor by belt and pulley system to get the power to run. The machine is used for intercropping operation having 2-3ft spacing. It can be used for Vegetable crops like brinjal, tomato, lady's finger etc. It can only suitable for soft soil condition. The width of the implement is 2 ft.
Practical utility of innovation	1 acre of land can be covered in 1 hr by using the machine. It reduces time as well as labour requirement. The machine can be also used to pulverize the soil for groundnut, maize crop cultivation.

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	Srinibash Hotta, At/Po- Satapatna Block: Dasapalla Dist.- Nayagarh
Role of KVK with quantitative data support:	Start-Up Incentive: Drinker and Feeder
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.20,700/- Average net income before intervention per month Rs. 10,254/-
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 1700 birds per annum
Horizontal spread of enterprise	25.2%

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 perday.
Horizontal spread of enterprise	29.2%

4.6 Any other initiative taken by the KVK:

A. SUBMISSION OF GI FOR "NAYAGARH KANTEIMUNDI BRINJAL"

B. SUBMISSION OF ASPIRE PROJECT FOR "INCUBATION CENTRE OF JAGGERY PREPARATION"

5. LINKAGES

a. Functional linkage with different organizations

Name of organization	Nature of linkage
ICAR-CIFA, BBSR	Exposure visit for Fish production
NRRI, Cuttack	Procurement of agro-ecosystem based paddy varieties for popularization
CTMRT-OUAT, BBSR	Exposure visit Mushroom production
CARI, CPDO, IPDP	Procurement of day old vanaraja poultry chicks
CIMMYT	Popularization of climate resilient maize hybrids
IRRI, Cuttack	Demonstration of stress tolerant paddy varieties
Odisha Livelihood Mission	FPO Group Formation, Poultry chicks & mushroom spawn distributed to the farmers through OLM, Technical support provided them towards preparation of waste decomposer, also technical support provided to the farmers towards organic farming & Technical support given to F/FW for mushroom production & value addition from green mangos
Deptt. Of Veterinary Husbandry	Joint verification of newly established poultry units
Deptt. Of Horticulture	Joint survey for GI taggaing on Kantemundi Brinjal Resource person on Mushroom & vegetable cultivation & value addition in different blocks of Nayagarh district Joint physical verification of banana sucker and lemon seedling
Deptt. Of Fishery Sc	For Fish production, Establishment of hatching unit
HAMS (NGO), Nayagarh	Resource person on dry foods and snacks preparation, value addition on vegetables, fruits and mushrooms and mushroom production.
ATMA, Nayagarh	BGREI Monitoring and Field visit

List of special programmes undertaken during 2020by 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)
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.)
Certificate course on INM	Skill orientation & renewal of license	20/7/2020 & 9/11/2020	Self Sponsored	3,00,000/-
Certificate course on Insecticide management for insecticide dealers	-do-	04/11/2020	Self Sponsored	304000/-

6. PERFORMANCE OF INFRASTRUCTURE INKVK

6.1 Performance of demonstration units (other than instructionalfarm)

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq.m	Details of production			Amount (Rs.)		Rem
				Variety /breed	Produce	Qty.	Cost of inputs	Gross income	

			t)						a rks
1.	Polyhou se	2010-11	120	Brinjal tomato caulifl ower,C eracola , Teak &Man gium	42355		51,214	63534	
2.	Vermico mpost	2010-11	1 unit		1250k g		1054	18150	
3.	Mushroo m Spawn producti on	2010-11	50	OSM-11		5250n o.	38471	78750	
4.	Mushroom production	2017-18	120	PSM & Oyster	1.2q		15880	19200	
5.	Backyar d poultry	2016-17		Banara j a		2040no .	58475	11220 0	

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
				Variet y	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Sugarcane	23.02.202 0	29.12.2020	0.2ha	Sabita	Setts	16.5t	21000	44715	

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermi-compo st	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)
Feb'20	20	20	
March'20	20	20	
November 20	25	15	
December 20	25	15	
Total	90	70	

(For whole of the year)

6.6 Utilization of staff quarters NOT AVAILABALE

Whether staff quarters has been completed: No. of staff quarters: No staff quarter

Date of completion:

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7 FINANCIALPERFORMANCE

7.1

Details of KVK Bankaccounts

Bank account	Name of the bank	Location	Account Number
Current and Saving account	SBI, Main branch, Nayagarh	Nayagarh	11383056681:-Contingency 36473719407:- ARYA 40079686680:- DAMU 33991533548:- Revolving Fund

7.2

Utilization of funds under CFLD on Oilseed *(Rs. InLakhs)*

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. InLakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2020
	Kharif	Rabi	Kharif	Rabi	
Arhar Chickpea	1,78,800		1,32,931		45,869

7.5 . Utilization of KVK funds during the year 2020-21(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	11,00,000	9,77,922	9,77,922
A	OE&POL			
B	Training			
C	FLD			
D	OFT			
4	SCSP	3,00,000	3,00,000	3,00,000
5	HRD	30,000	30,000	2,000
6	Building Maintenance	2,00,000	0	0
TOTAL (A)		17,30,000	14,07,922	13,79,922
B. Non-Recurring Contingencies				
1	Library	10,000	10,000	10,000
2	Vehicle			
TOTAL (B)		10,000	10,000	10,000
C. REVOLVING FUND		-	-	-
GRAND TOTAL (A+B+C)		17,40,000	14,17,922	13,89,922

7.5Status 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)
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
2020-21	1,40,185	13,60,554	10,26,771	1,74,810 (Profit MoneyRs.3,00,000/- deposited to DEE, OUAT)

(i) Number of SHGs formed byKVKs-17
(ii) Association of KVKs with SHGs formed by other organizations indicating the area ofSHG activities- Mushroom production, Vermi-composting, Value addition, Dry food and snacks preparation
(iii) Details of marketing channels created for the SHGs- Through ORMAS andOLM
Joint activity carried out with line departments and ATMA

Name of 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

8.5 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)
BLB	Paddy	2nd week of August	1000	-	Field visit and recommendation of suitable control measures
Sheath Blight	Paddy	1st week of Sept.	800	-	Conducted demonstration, field visit and recommended of suitable control measures
Root rot	Greengram	1st week December	300	-	Field visit and recommendation of suitable control measures

8.6 Prevalent diseases inLivestock/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)

Nehru YuvaKendra(NYK)Training

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

PPV & FR Sensitization trainingProgramme

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

*9.2 mKisan*Portal (National Farmers' Portal/SMSPortal)

Type of message	No. of messages	No. of farmers covered
Crop	2	
Livestock	0	
Fishery	1	
Weather	2	
Marketing	1	
Awareness	4	
Training information	0	
Other	0	
Total	**10**	**98925**

9.3KVK Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	115587
2.	No. of farmers registered in the portal	
3.	Mobile Apps developed by KVK	
4.	Name of the App	
5.	Language of the App	
6.	Meant for crop/ livestock/ fishery/ others	
7.	No. of times downloaded	

a. Observation of Swachh BharatProgramme

Date/ Duration of Observation	Activities undertaken
17.08.2020	Vemicompost production from crop residues
22.09.2020	Segregation of bio degradable from non-biodegradable
11.11.2020	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		36379
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste		30000
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level		
8. Swachhta Workshops		
9. Swachhta Pledge		
10. Display and Banner	04	2000
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		**68379**

Observation of National Science day

Date of Observation	Activities undertaken

Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants

Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
Abasika School	14.08.2020	250	Picco projector

Give good quality 1-2 photograph(s)

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 Doordarshan (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		

Details of Swachhta Hi Sewa programmeorganized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	2	2	100	2	Sarapancha and Jilaparisada

Details of MahilaKisan Divas programmeorganized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Women in Agriculture day	1	50	-	-

No. of Progressive/Innovative/Lead farmer identified (categorywise)

Sl. No	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1	Mr. Laxmipriya Barada	Sankhei, Ph.no-6372760771	Mushroom production
2	Mr. Bignesh Maharana	Janisahi, Ph.no-9658737278	Farm mechanization
3	Mr.Abakash Sahu	Manapur Ph.No-7504562566	Fish Production

Revenue generation

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

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	IPM	Capacity building Training	Self Finance	0.005	**Nil**
4	INM	Capacity building Training	Self Finance	0.04	**Nil**

Performance of Automatic Weather Station inKVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
16.02.2021	IMD	Awaiting for sensor fitting

Contingent cropplanning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Odisha	Nayagarh	ICM	4	80	KVK Nayagarh has organized 4 no. of group meetings in flood affected areas of Khandapada block involving the local farmers. It was suggested to cultivate maize, Blackgram & vegetable crops due to damage of the rice crop in flood

10. Report on Cereal Systems Initiative for South Asia(CSISA)
    a) Year:2019
    b) Introduction / GeneralInformation:

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

11. Details of TSP(NA)
    b. 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 other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	

Fund received under TSP in 2020-21 (Rs. In lakh):

(i) Achievements of physical outcome under TSP during 2020-21

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	

(ii) Table:

Sl. No.	***Description***	***Unit***	***Achievements***
1	Number of Technologies Identified after Assessment	Number	
2	Upgraded Skills and Knowledge of farmers	Number	
3	Oriented extension personnel in frontier areas of agricultural technology	Number	
4	Increased availability of quality seed	Quintal	
5	Increased availability of quality Planting material	Number	
6	Increased availability of live-stock strains and fingerlings	Number	
7	Testing of Soil & water samples for balance fertilizer use	Number	

Location and Beneficiary Details during 2020-21

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

12. Schedule caste Output & Outcome achievements

Sl. No.	Indicator/Activities	Unit of Indicator	Achievements
1	Farmers, farm women trained by KVKs	Number	
2	Extension personnel trained by KVKs	Number	
3	On-farm trials conducted by KVKs	Number	
4	Frontline demonstrations conducted by KVKs	Number	
5	Quantity of seeds produced	Quintal	
6	Planting materials Produced	Number	
7	Livestock strains and fingerlings produced	Number	
8	Soil & water samples tested	Number	

13. Information pertaining to ARYA Project 2020-2021

Name of KVK	Year since ARYA is initiated in the KVK (specify year)	No. of Training programs	No. of rural youth trained		No. of youth established units		No. of entrepreneurial units established
			M	**F**	**M**	**F**	
Nayagarh	2016-17	9	125	75	12	4	14
	2017-18	5	43	32	15	12	20
	2018-19	5	42	43	22	21	29
	2019-20	5	37	32	14	20	31
	2020-21	15	45	34	35	15	25

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

Natural Resource Management

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

Crop Management

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

Livestock and fisheries

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

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa
Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1.	Best progressive fish farmer	Mr. Abakash Sahoo	2020	KVK	-	Progressive IFS and fish farmer

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

- KVK has applied project proposal on Livelihood Business Incubation (LBI) Centre on Sugarcane JAGGERY PREPARATION under A Scheme For Promoting Innovation, Rural Industry & Entrepreneurship(ASPIRE) of Ministry of MSME**.**
- The documents for Geographical Indications (GI) tagging of *Nayagagrh Kanteimundi brinjal* have been finally submitted and approved by Technology Management Cell, OUAT.

15. Number of commodity based organizations/ farmers' cooperative society/ FPOformed/ 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 inlakh)	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	0.2 ha	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 ofthe technology	No. of farmers adopted technology	One high resolution 'Photo' in 'jpg' format for each technology
1.	Demonstration on adoption of staking methods for tomato Var- Arka Rakshyak	Staking will bedone in the vertical manner with fish net as staking material	76150	10	
2.	Demonstration on low cost portable poly tunnel for seedling raising.	Construction of low cost polytunnel (10'x3'x2') length: width: height, supported by bamboo frames.	4702	10	

3.	Demonstration on paddy straw mushroom	Production of paddy straw mushroom with crumpled straw	93.5	10	
4.	Demonstration of Marrigold Variety BM-2	Number of flowers per plant (128flowers/plant) . The flowers are attractive, orange in colour, compact and found suitable for making garland, Flower dia- 4. Cm, Yield-285 kg/plant	27310	10	
5.	Demonstration of improved Rohu "Jayanti"	Stocking of “Jayanti” rohu @2000nos/ha. “Jayanti” rohu will replace normal rohu @2000nos/ha with proper manuring and feeding management in the culture pond. (DOC-10months))	127900	10	

18. Report on Digital Farming Initiatives in Agriculture/ Digital Ag. ExtensionService

	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 15.03.2020)	30	6254	-	-	Crop diversification, Income generation, SSI, IWM, Farm mechanization, SCSP
II (up-to 24.04.2020)	20	12548			
Total	50	18802			

19. Information on Visit of Ministers to KVKs, ifany

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

Name of the Jobrole	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	1	2	0	0	9	8	Y	1,64,500

a) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during2019

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

21. Information on NARIProject(NA)

22. Information on Krishi Kalyan Abhiyan Phase- I/ Phase-II/ Phase-III, ifapplicable

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 coveredabove

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

24. Good quality action photographs of overall achievements of KVK during the year (best10)

Assessment of New generation fungicides for Sheath Blight management in Rice

Assessment on performance of sugarcane ridger

Assessment of Humidity management in paddy straw mushroom production

Assessment of packaging production V.Volvacea

	
Assessment of different value added products from green mango	**Assessment on Paddy threshing by tractor drawn whole straw paddy thresher**

	
Demonstration of rice var. Hasant tolerant to BPH/WBPH	**Demonstration of Biointensive management of Brinjal fruit and shoot borer**
	
Demonstration on thrips chilly	**Demonstration of marigold variety Bidhan marigold 2**
	
Demonstration on Lemon grass	**Demonstration of triple resistant (early blight, bacterial wilt, leaf curl virus) tomato var. ArkaRakhyak**

	
Demonstration on tamato staking	**Demonstration on Polytonnel**
	
Demonstration on Nutritional garden	**Demonstration on Mushroom cultivation using Crumpled straw**
	
Demonstration on Marigold cultivation	**Demonstration of improved Rohi Jayanti**

Celebration of World Food Day

Vigilance Awareness

Celebration of Vanamohastav

Celebration of Poshan Maha

National Mushroom Day

PM Sanman Nidhi Yojana

Awareness cum Training programme for Pump Technician

Women in Agriculture Day

RE Interface Meeting

Celebration of Poshan Maha

Visit of Hon'ble VC and Dean, DEE,OUAT, BBSR to KVK

Mahila Kisan Divas

Skill oriented interactive training on fisheries at KVK under ARYA

	
Mini poultry hatchery at KVK under ARYA	**Inauguration programme on ASCI**
	
Tractor operator skill training under ASCI at KVK	**Mushroom Grower skill training under ASCI atKVK**

28. SC SP quarter-wise

Table-I: Schedule Caste Output & Outcome Achievement/Indicators for 2020-21 (QUARTER-WISE)

Physical Output 2020-2021

Sl. No.	Indicator/Activities	Unit of Indicator	Quarterly Breakup (Target)	Targets Achieved	No. of Beneficiaries	Outcome
1	**Farmers, farm women trained by KVKs**	**4**	Q-1 Q-2 Q-3 Q-4 4	Q-1 Q-2 Q-3 Q-4 4	Q-1 Q-2 Q-3 Q-4 100	• Skill developed in mushroom cultivation, • Farmers become more aware about IPM practice
2	**Extension personnel trained by KVKs**	**Number**	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	
3	**On-farm trials conducted by KVKs**	**Number**	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	
4	**Frontline demonstrations conducted by KVKs**	**7**	Q-1 1 Q-2 2 Q-3 2 Q-4 2	Q-1 1 Q-2 1 Q-3 3 Q-4 2	Q-1 10 Q-2 10 Q-3 30 Q-4 20	• The diseases are controlled by vaccination at proper time. • Off season vegetable cultivation in low cost poly tunnel.
5	**Quantity of seeds produced**	**Quintal**	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	
6	**Planting materials Produced**	**Number**	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	
7	**Livestock strains and fingerlings produced**	**500**	Q-1 Q-2 200 Q-3 300 Q-4	Q-1 Q-2 200 Q-3 200 Q-4 100	Q-1 Q-2 15 Q-3 15 Q-4 10	Farmers income enhanced by selling poultry chicks They are annually geeting Rs. 27500/- @ 55 per chicks in the near by villages
8	**Soil & water samples tested**	**Number**	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	

Sd/-
Dt:07.04.2021
(ANIL KUMAR SWAIN)
Sr. Scientist & Head
KVK, OUAT, Nayagarh