ANNUAL REPORT
2020
(January-December 2020)

KRISHI VIGYAN KENDRA, DEOGARH

Odisha University of Agriculture and Technology

ANNUAL REPORT 2020 (January 2020 to December 2020)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Deogarh Near Horticulture Farm, At/Po-Purunagarh, Dist-Deogarh, Pin-768119	06641-295265	-	kvkdeogarh.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	0674-2562509	-	deanextension_ouat@rediffmail.com deanextensionouat@yahoo.com deanee@ouat.nic.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Sujit Ku. Nath	Deogarh	9437360866	kvkdeogarh.ouat@gmail.com

1.4. Year of sanction of KVK: 2006

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/ Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr. Sujit Ku. Nath	Senior Scientist & Head	Agriculture Extension	22320-39100 AGP- 8000	17.05.2018	Permanent	General
2	Subject Matter Specialist	Sri Laba Soren	Scientist	Plant Protection	15600 – 39100 AGP-6000	24.12.2009	Permanent	ST
3	Subject Matter Specialist	Sri Sabyasachi Sahoo	Subject Matter Specialist	Agronomy	15600 – 39100 AGP-5400	18.07.2018	Permanent	General
4	Subject Matter Specialist	Miss Sadhana Swastika	Subject Matter Specialist	Horticulture	15600 – 39100 AGP-5400	06.03.2019	Permanent	ST
5	Subject Matter Specialist	Vacant						
6	Subject Matter Specialist	Vacant						
7	Subject Matter Specialist	Vacant						
8	Programme Assistant	Sri Chinmaya Mishra	Programme Asst. (Soil Sc.)	Soil Science	9300 – 34800 AGP-4200	28.12.2015	Permanent	General
9	Computer Programmer	Sri Biswajit Pradhan	Programme Asst. (Computer)	Computer	9300 – 34800 AGP-4200	21.07.2014	Permanent	OBC
10	Farm Manager	Vacant						
11	Accountant / Superintendent	Vacant						
12	Stenographer	Sri Benudhar Moharana	Steno cum Computer operator	-	5200-20200 GP-2400	11.10.2006	Permanent	Others
13.	Driver	Sri Ugreswara Pati	Driver cum Mechanic	-	5200-20200 GP-1900	19.10.2016	Permanent	Others
14.	Driver	Sri Akrura Mohapatra	Driver cum Mechanic	-	5200-20200 GP-1900	22.05.2018	Permanent	SC
15.	Supporting staff	Sri Raghu Senapati	Peon cum Watchman	-	4750-14680 GP-1700	31.07.2008	Permanent	Others
16.	Supporting staff	Vacant						

1.6. **Total land with KVK (in ha)** :

S. No.	Item	Area (ha)
1	Under Buildings	1.5
2	Agro polytechnic	1.5
3	Under Demonstration Units	1.0
4	Under Crops	3.0
5	Orchard/Agro-forestry	1.8
6	Others with details	
	Rain water harvesting structure	0.4
	Forest land	10.8
	Total	20.0

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					Totally completed	303.23	Use	ICAR
2.	Farmers Hostel					Totally completed	329.06	Use	ICAR
3.	Staff Quarters (6)					Totally completed	421.59	Use	ICAR
4.	Piggery unit								-
5	Fencing								RKVY
6	Rain Water harvesting structure							Not functio ning	RKVY
7	Threshing floor					Totally completed	222.96	Use	RKVY
8	Farm godown					Totally completed	46.45	Use	ICAR
9.	Dairy unit								-
10.	Poultry unit					Totally completed		Use	RKVY
11.	Goatary unit								-
12.	Mushroom Lab					Totally completed	6.87	Use	RKVY
13.	Mushroom production unit								-
14.	Shade house					Totally completed	18.58	Use	RKVY
15.	Soil test Lab					Totally completed	92.90	Use	ICAR
16	Others,Please Specify					Totally completed			RKVY

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Mahindra Bolero	2017	8,00,000/-	66615	Good
Mahindra Tractor	2006	4,75,000/-	678.0hrs	Good
Hero Honda Passion	2010	45,945/-	55972	Good

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Drying cabinet	2018	19425.00	Good	ICAR
Decanter glass bottle with cap, 500 ml	2018	1262.00	Good	ICAR
ABBE refractometer	2018	14805.00	Good	ICAR
Crown cap sealing machine	2018	5985.00	Good	ICAR
Vacuum sealing machine	2018	1942.50	Good	ICAR
Electric motor operated pulse thresher	2018	84375.00	Good	ICAR
DE-stoner	2018	152287.00	Good	ICAR
Platform OE scale	2018	11328.00	Good	ICAR
Digital balance	2018	9971.00	Good	ICAR
Moisture meter for pulse	2018	16756.00	Good	ICAR
Portable back stitching machine	2018	7616.00	Good	ICAR
Sealing machine	2018	3186.00	Good	ICAR
Sampling trier(2.5cm dia)	2018	4130.00	Good	ICAR
Sampling trier(1.25cm dia)	2018	3186.00	Good	ICAR
Seed divider	2018	15930.00	Good	ICAR
Plastic carates	2018	9676.00	Good	ICAR
Fumigation cover	2018	7788.00	Good	ICAR
Dunnage material	2018	51861.00	Good	ICAR
Fire extinguisher	2018	10620.00	Good	ICAR
PE sheet	2018	10416.00	Good	ICAR
Seed processing unit with gravity separator	2018	1099674.00	Good	ICAR
b. Farm machinery				
Power Tiller	2017	155597.00	Good	ICAR
Brush cutter	2017	15999.00	Good	ICAR
Chain saw	2016	18000.00	Good	ICAR
c.AV Aids				
Canon DSLR camera	2018	50000.00	Good condition	ICAR
LG LED 43 Inch Smart	2018	44500.00	Good condition	ICAR
UPS(V GUARD)	2018	2120.00	Good condition	ICAR
Desktop computer	2018	108000.00	Good condition	ICAR
Chairman unit microphone	2019	7400.00	Good condition	ICAR
Delegate unit microphone	2019	92680.00	Good condition	ICAR
Conference system amplifier	2019	21020.00	Good condition	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Sprayer	2017	4410.00	Good	ICAR
Digger	2017	48300.00	Good	ICAR
Disc Plough	2017	25000.00	Good	ICAR

1.8. Details of SAC meeting* conducted in the year

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	12.01.2021	22	Introduction of new rice varieties in the district.	OFT and FLD programmes were taken on introduction of new rice varieties like CRDhan-310, Mrunalini, Maudamani, Pradhandhan for different types of lands	
			Popularisation of BPH tolerant paddy variety	BPH tolerant paddy variety Hasanta was popularized in the district through FLD in three villages.	
			Training programme should be organised on Apiculture	A training programme was organised in KVK campus on Apiculture for its popularisation in the district.	
			Kharif tomato area and quality should be increased	OFT on off-season tomato having better quality was taken on IIHR released varieties. The area increased up to 100 acres in Tileibani Block.	
			Popularisation of trellies system in vegetables.	FLD on bittergourd and tomato in trellies were taken for its popularization.	
			Advisories on agriculture and allied sector should be sent by KVK	KVK sent KMAs to 12341 nos. of farmers of the district on different problems of Agriculture and allied sectors.	

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

PROCEEDINGS OF THE 16TH SCIENTIFIC ADVISORY COMMITTEE MEETING OF KRISHI VIGYAN KENDRA, DEOGARH

The 16th Scientific Advisory Committee (SAC) meeting of KVK, Deogarh was held at 10.30 AM on dt. 12.01.2021 in the training Hall of KVK under the Chairmanship of Dr. Pawan Kumar Agrawal, Honourable Vice-chancellor, OUAT, Bhubaneswar. The meeting was organized both in physical and virtual mode keeping the COVID guidelines in mind. At the outset, Dr. L. M. Garnayak, DEE, OUAT, Bhubaneswar welcomed the chairman as well as the members of the SAC meeting and briefed about the objectives of the meeting. He also highlighted the mandates and functioning of the KVK and thereafter asked the Senior Scientist and Head to continue as per the agenda.

Agenda 1: Approval of the proceedings of last SAC meeting

The Senior Scientist and Head stated that the proceeding of the last SAC meeting was circulated to all the members. He also presented the proceedings in brief.

Agenda 2 : Action taken on the proceedings of the last SAC meeting.

The Senior Scientist and Head presented the following actions taken on the recommendations of last meeting.

Sl.	Recommendation	Action taken
1	Introduction of new rice varieties in the district.	OFT and FLD programmes were taken on introduction of new rice varieties like CRDhan-310, Mrunalini, Maudamani, Pradhandhan for different types of lands
2	Popularisation of BPH tolerant paddy variety	BPH tolerant paddy variety Hasanta was popularized in the district through FLD in three villages.
3	Training programme should be organised on Apiculture	A training programme was organised in KVK campus on Apiculture for its popularisation in the district.
4	Kharif tomato area and quality should be increased	OFT on off-season tomato having better quality was taken on IIHR released varieties. The area increased up to 100 acres in Tileibani Block.
5	Popularisation of trellies system in vegetables.	FLD on bittergourd and tomato in trellies were taken for its popularization.
6	Advisories on agriculture and allied sector should be sent by KVK	KVK sent KMAs to 12341 nos. of farmers of the district on different problems of Agriculture and allied sectors.

Agenda 3: Achievements during the year 2019-20 and Kharif 2020-21

The Senior Scientist & Head presented the achievements made by KVK during 2019-20 and Kharif 2020-21.

i) **On Farm Testing:** Results of 10 OFTs conducted involving 70 farmers during the period to solve location specific problems were presented by the Senior Scientist and Head. An OFT was taken on assessment of different varieties of sesame in kharif season, where two varieties of sesame GT-10 and Amrit were taken. In case of GT-10, yield was increased 47.36% over FP and in case of var. Amrit yield was increased upto 26.31%. An OFT was taken on assessment of different date of sowing on productivity of summer Green gram, where incase of date of sowing, 2nd fortnight of January yield increased up to 33.3% and incase of date of sowing, 1st fortnight of February yield increased up to 27.8%. In case of assessment of BPH tolerance rice variety Hasanta, two nos. of rice varieties were taken. In rice variety Pratikhya, yield increased upto 23.12% and in Hasanta, yield increased upto 40.17% over farmers existing variety Pooja. Assessment of different tomato varieties in late kharif season, released from IIHR were taken. In Arka Rakshak, the yield increased upto 28.0% over FP(var. Laxmi) and in var. Arka Samrat yield increased up to 26.4% over farmers variety. In the OFT assessment of management of sucking pest

(aphids) in cowpea, foliar spraying with Imidachloprid 17.8 SL @ 0.5ml/lit and foliar spraying with Flonicamid 50%WG @ 0.4g/lit along with yellow sticky trap @ 50 nos./ha were taken. In first case yield increased 20.7% over FP and in second case yield increased 29.5% over FP. In Assessment of nutrient management for Blossom end rot in tomato, Soil application of Gypsum, Foliar application of Calcium 5% in (TO1) and Use of Arka Vegetable Micronutrient Formulation as spray after flowering @ 10-20 g/litre was done in (TO2) these two treatments were taken. In TO_1 yield increased up to 28.5% over FP and in TO_2 yield increased upto 30.5% over FP. In assessment of IPM module for management of fruit sucking moth in sweet orange two treatments were taken; Neem oil forms a coating on the insect's body, blocking the breathing openings and suffocating the insect(TO_1) and Poison bait attracts and kills the insect whereas by destroying larval host plant reduces the insect population during off season(TO_2).In TO_1 and TO_2, percentage of infestation reduced to 17% and 12% respectively as compared to FP.

ii) **Frontline Demonstrations:** Results were presented on 20 FLDs conducted during 2019-20 and Kharif 2020-21 involving 200 farmers in participatory mode. In demonstration of protein rich rice variety CRDhan-310 yield increased 19.2% over FP(Sahabhagi dhan).In demonstration of linseed variety Arpita farmers got 5.7 quintal yield and net annual income of Rs.20,500. Demonstration of trellis system in bittergourd was taken to check production of poor quality fruits. In trellies system yield increased 25.1% over FP. Demonstration on transplanting method to reduce plant mortality and poor growth during initial vegetative stage of watermelon was taken, In sowing of seeds by portrays(RP) yield increased 23.01% over FP. In demonstration on IPM module for management of fruit borer in litchi, RP(Before flower opening spraying of neem oil @ 5ml/liter, 10 days after fruit set when the fruits about pea-sized spraying of Imidacloprid 17.8 SL @0.7-1.0 ml/ L water and 10 days before fruit harvesting spraying of Emamectin Benzoate 5% SG @ 0.7 g/L water, yield increased 19.04% over FP. In demonstration of Arka Microbial Consortium for improvement of curd quality in cauliflower, STBF+seed treatment with AMC @10gm/100gm seed+ foliar spray of 10gm AMC /litre was taken and yield increased 32% over FP.

iii) **Training:** KVK imparted 28 training programmes for capacity building of 542 practising farmers and farm women, 5 no. of rural youth training for 75 rural youths, 4 no. of extension functionaries training for 60 extension functionaries for skill & knowledge development during the reporting period.

iv) **Other Extension Activities:** KVK has also organized 158 other extension activities during 2020-21 for dissemination of technologies.

Agenda 4: Action Plan for 2020-21

The Senior Scientist and Head placed the Action Plan for the Rabi 2020-21. Detail discussions were made on the action plan and following action points suggested.

1. ADH suggested to promote crops like yam, sweet potato and custard apple in the district. He also suggested to popularize apiculture through training programmes.
2. CDAO suggested for replacement of local moong variety by any suitable variety.
3. AGM, NABARD suggested to disseminate technical knowledge for automation of drip irrigation and promote intercropping in fruit orchards.
4. PD, Watershed emphasized for IFS development in farm ponds and drumstick, banana and papaya plants be encouraged to be on bonds of the ponds.
5. Director RSETI suggested to train farmers at grass-root level for entrepreneurship development.
6. Director, CHES, Bhubaneswar suggested to do more work on litchi cultivation with the help of NRC, litchi, Muzaffarpur. More numbers of OFTs and FLDs should be taken on flower demonstration for economic development of farmers; he also suggested to conduct OFT on late kharif onion and custard apple.
7. The chairman of SAC, Honourable vice chancellor suggested for more work on farm mechanization.
8. DEE, OUAT asked to popularized Subhra variety of Sesame in the district, he also suggested to make a compilation of stories of successful farmers.

Agenda 5: Constraints of the KVK :

The Senior Scientist and Head presented the constraints faced by the KVK for smooth implementation of KVK activities.

i) Delaying in filling-up of the post of scientists and section officer affects the technical and administrative work of the KVK.

The Chairman in his presidential remarks thanked all the members and special invitees & urged cooperation from all line departments for benefit of farming community of the district.

Sri Chinmay Mishra, Programme Asst.(Soil Sc.) gave the vote of thanks to all the members for their participation and fruitful discussion.

Senior Scientist and Head
Member secretary of SAC meeting

Dean Extension Education, OUAT
Co-chairman

Vice-chancellor
OUAT, Bhubaneswar and Chairman of SAC meeting

LIST OF 16th SCIENTIFIC ADVISORY COMMITTEE MEMBERS OF KVK, DEOGARH 2020-21

Sl. No.	Name	Designation & Address
1.	Dr. Pawan Kumar Agrawal	Vice-Chancellor, OUAT, Bhubaneswar & Chairman, SAC meeting
2.	Dr. Lalita Mohan Garnayak	Dean, Extension Education,OUAT, Bhubaneswar & Co-chairman, SAC meeting
3.	Dr. Govind Acharya	Director, ICAR-CHES, Bhubaneswar, Member
4.	Sri Devesh Behera	AGM, NABARD, Sambalpur, Member
5.	Sri Manoranjan Mandal	CDAO, Deogarh, Member
6.	Sri K.K. Mahalinga	ADH, Deogarh, Member
7.	Biswanath Mallik	Director, CENT-RSETI, Deogarh, Member
8.	Sri Sudhakar Satapathy	PD Watershed, Deogarh,Member
9.	Dr. Sarat Ku Behera	SDVO, Deogarh, Member
10.	Smt. Rashmi Choudhury	SDFO, Deogarh Forest Division, Member
11.	Sri Bhabagrahi Kisan	ADFO, District Fishery Office, Deogarh, Member
12.	Sri Manoj Ku Marandi	ASPO, Deogarh, Member
13.	Miss Sangita Minz	FA, ADS, Deogarh
14.	Sri Rabindra Kumar Char	DPM, Mission shakti, Deogarh, Member
15.	Sri Jadunath Mandal	OAIC Ltd, Deogarh, Member
16.	Sri Ashok Ku Panigrahi	Secretary, SARC NGO, Member
17.	Sri Arjun Ku Sahu	Secretary, RCMS Ltd., Member
18.	Sri Arun Kumar Naik	Farmer representative, Lambodara, Member
19.	Smt. Gitanjali Behera	Farmer representative, Kirtanpali, Member
20.	Sri Prasanna Ku Pradhan	Farmer representative, Khilaberini, Member
21.	Smt. Suryakanti Swain	Farmer representative, Kundapitha, Member
22.	Dr. Sujit Ku Nath	Senior Scientist and Head-cum-Member Secretary

2.a. District level data on agriculture, livestock and farming situation (2020)

Sl. no.	Item	Information
1	Major Farming system/enterprise	Mushroom, Pisciculture, Dairy, Goatery, Backyard poultry.Rice-Pulses, Rice-Vegetables, Rice-Oilseeds
2	Agro-climatic Zone	North-western Plateau
3	Agro ecological situation	Low rainfall lateritic soils
4	Soil type	Sandy loam
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Rice(Kharif)-1925kg/ha, Rice(Rabi)- 2650 kg/ha, Sesame(Kharif)-427 kg/ha, Sesame(Rabi)- 408 kg/ha Greengram(Kharif)-325 kg/ha, Greengram(Rabi)-377 kg/ha Mango- 2234 kg/ha, Litchi-3800 kg/ha Sweet orange-8970 kg/ha
6	Mean yearly temperature, rainfall, humidity of the district	26.5, 1585.5mm, 53
7	Production of major livestock products like milk, egg, meat etc.	Meat- 30qtl, Egg-20000

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	Tileibani	Tileibani	Kalchipadadihi	Rice, Tomato, seasonal vegetables, Goatery	Acidic soil, imbalance fertilizer application, pest and diseases	Acid soil management, crop diversification, off-season vegetables cultivation, INM, IPM
2	Tileibani	Tileibani	Kailash	Rice, Sunflower, Mushroom, Goatery, pisciculture, poultry	Acidic soil, imbalance fertilizer application, pest and diseases	Acid soil management, crop diversification, off-season vegetables cultivation, INM, IPM
3	Tileibani	Tileibani	Bankadarh	Rice, vegetables, pulses	Acidic soil, imbalance fertilizer application, pest and diseases	Acid soil management, crop diversification, off-season vegetables cultivation, INM, IPM
4	Reamal	Reamal	Kirtanpali	Rice, Vegetables, Apiculture, Pisciculture, Mushroom	Acidic soil, imbalance fertilizer application, pest and diseases	Acid soil management, crop diversification, off-season vegetables cultivation, INM, IPM
5	Barkote	Barkote	Akshyarashila	Rice, Pulses, Vegetables, Fruits	Acidic soil, imbalance fertilizer application, pest and diseases	Acid soil management, crop diversification, off-season vegetables cultivation, INM, IPM

2. c. Details of village adoption programme:

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

Name of village	Block	Activities taken up for development
Kalchipada Dihi	Tileibani	1. Application of different micronutrients, biofertiliser and staking technologies in tomato. 2. Use of different wilt tolerant tomato varieties in late kharif season. 3. Drip system in sweet potato cultivation.
Kailash	Tileibani	1. Mushroom cultivation throughout the year(Paddy straw and oyster) 2. Introduction of new poultry breed Kadaknath and Asli.
Bankadarah	Tileibani	1. STB application of fertilizer including micronutrients in medium land rice. 2. STB application of fertilizer including micronutrients, weed management in medium and low land rice. 3. Application of Arka Microbial Consortium for improvement of curd quality in cauliflower.

		4. CFLD programme on pulse and oilseed was taken for development.
Kirtanpalli	Reamal	1.Trellies system in bittergourd introduced. 2. New rice variety swarnashreya introduced. 3. Paddy straw and Oyster mushroom cultivation round the year. 4. Training programme on beekeeping was conducted and 5 honeybee boxes were installed in the village. 4. CFLD programme on pulse and oilseed was taken for development.
Akshyarashila	Barkote	1. Varietal substitution of Khandagiri with Sahabhagidhan. 2. Paddy straw mushroom cultivation. 3. Bunch feeding of Banana introduced.

Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of sowing time of summer moong bean
2.	Problem diagnosed	Early sowing in (1st fortnight of Jan) leads to poor growth in initial stage due to low temperature
3.	Details of technologies selected for assessment/refinement	To1 - 2nd fortnight of January To2 - 1st fortnight of February
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT
5.	Production system and thematic area	Integrated crop management.
6.	Performance of the Technology with performance indicators	Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	Sowing at 1st fortnight of February as moong bean performed better than TO_1 and Farmers' practice
8.	Constraints identified and feedback for research	Powdery mildew disease occurrence is a major problem seen in summer moong bean
9.	Process of farmers participation and their reaction	Farmers were satisfied with the yield of sowing time at 1st fortnight of February

Thematic area: Integrated crop management.

Problem definition: Early sowing in (1st fortnight of Jan) leads to poor growth in initial stage due to low temperature

Technology assessed: Assessment of sowing time of summer moong bean

OFT-2

1.	Title of On farm Trial	Assessment of nutrient management for Blossom end rot in tomato
2.	Problem diagnosed	Poor quality fruit leads to poor marketability of Tomato
3.	Details of technologies selected for assessment/refinement	To1 - Soil application of Gypsum, Foliar application of Calcium 5% (1-2 Tbsp/gallon) of water To2 - Use of Arka Vegetable Micronutrient Formulation as spray after flowering @ 10-20 g/litre
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR, Bangalore
5.	Production system and thematic area	Integrated nutrient management.
6.	Performance of the Technology with performance indicators	Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	Arka Microbial Consortium and CaCo3(5%) are recommended for quality fruit development and effective control if Blossom end rot in tomato.
8.	Constraints identified and feedback for research	More research work may be taken up regarding effect of AMC on various quality parameters.
9.	Process of farmers participation and their reaction	Use of AMC improved fruit quality and yield. Use of calcium 5% reduced Blossom end rot in tomato

Thematic area: Integrated nutrient management.

Problem definition: Poor quality fruit leads to poor marketability of Tomato

Technology assessed: Assessment of nutrient management for Blossom end rot in tomato

OFT-3

1.	Title of On farm Trial	Assessment of IPM module for management of fruit sucking moth in sweet orange
2.	Problem diagnosed	Fruit sucking moth causes fruit drop at colour breaking stage
3.	Details of technologies selected for assessment/refinement	To1 - Neem oil forms a coating on the insect's body, blocking the breathing openings and suffocating the insect. To2 - Poison bait attracts and kills the insect whereas by destroying larval host plant reduces the insect population during off season
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Annual Report, ICAR-NRCC, 2016
5.	Production system and thematic area	Integrated pest management.
6.	Performance of the Technology with performance indicators	% infestation, Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	BAT with regular intercultural options, weed management and removal
8.	Constraints identified and feedback for research	BAT is not enough to control moths, hence new suitable technology should be tested
9.	Process of farmers participation and their reaction	Farmers adopted the technology but not satisfied with BAT, so they need some other technologies to control moths

Thematic area: Integrated pest management.

Problem definition: Fruit sucking moth causes fruit drop at colour breaking stage

Technology assessed: Assessment of IPM module for management of fruit sucking moth in sweet orange

OFT-4

1.	Title of On farm Trial	Assessment of long duration High yielding rice variety in kharif
2.	Problem diagnosed	Low yield in existing old long duration variety for proximity to various pest and diseases
3.	Details of technologies selected for assessment/refinement	TO_1: Mrunalini : Small bold grains, Semi dwarf, Maturity-146days, Moderately resistant to blast, sheath blight, sheath rot, Resistance to gall midge, yellow stem borer, leaf folder, resistance to lodging TO_2: Pradhan dhan (CR Dhan 409) shallow lowlands of Odisha state,Maturity-160 days. Semi dwarf, non-lodging plant type, height -120-130cm, long slender grain, 350-400 panicles per m^2, high tillering (12-15) , test weight of 22.5g, moderate submergence tolerance, moderately resistant to leaf blast, neck blast, sheath blight, sheath rot, yellow stem borer
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NRRI Annual Report,2014-15
5.	Production system and thematic area	Varietal evaluation
6.	Performance of the Technology with performance indicators	Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	Mrunalini is recommended to the farmers as it is same duration (145 days) to pooja variety and giving higher yield
8.	Constraints identified and feedback for research	Pradhan Dhan is prone to lodging
9.	Process of farmers participation and their reaction	Farmers are satisfied with the yield of both the new varieties. But the duration of Pradhan Dhan is longer and prone to lodging which discourage them.

Thematic area: Varietal evaluation

Problem definition: Low yield in existing old long duration variety for proximity to various pest and diseases

Technology assessed: Assessment of long duration High yielding rice variety in kharif

OFT-5

1.	Title of On farm Trial	Assessment of different types of trellis in tomato
2.	Problem diagnosed	Poor fruit quality due to soil contact
3.	Details of technologies selected for assessment/refinement	TO1 :Staking with bamboo to individual plants TO2 :Trellis should be of approximately 6 feet high with a top & bottom wire and plastic twine tied between the two wires at each plant. Posts should be no more than 15 feet apart and the top wire should be very tight. A stiff additional wire between posts may be required in the season when the fruit loads becomes heavy
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR, 2017
5.	Production system and thematic area	Integrated crop management
6.	Performance of the Technology with performance indicators	Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	Trellis system should be adopted for qualitative and quantitative yield
8.	Constraints identified and feedback for research	The initial cost of trellis system is high
9.	Process of farmers participation and their reaction	Though trellis system is costly but farmers preferred this system for higher yield

Thematic area: Integrated crop management

Problem definition: Poor fruit quality due to soil contact

Technology assessed: Assessment of different types of trellis in tomato

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
Assessment of sowing time of summer moong bean	7	8.8 9.6 11.5	7.4 8.8 10.5	35.8 36.2 36.5	15%	FP-3.21 TO1-4.25 TO2 -5.2	12000 12500 12500	17500 20000 22000	5500 7500 9500	1.46 1.60 1.76
Assessment of nutrient management for Blossom end rot in tomato	7					FP-265 TO1-385 TO2 -420	97000 112000 115000	265000 385000 420000	168000 273000 305000	2.73 3.43 3.65
Assessment of IPM module for management of fruit sucking moth in sweet orange	7				24% 17% 12%	FP-228 TO1-248 TO2 -260	185000 195000 200000	456000 496000 520000	271000 301000 320000	2.46 2.54 2.60
Assessment of long duration High yielding rice variety in kharif	7					FP-36.7 TO1-44.5 TO2 - 44.2	28000 28000 28650	46950 58300 57600	18950 30300 28940	1.67 2.08 2.01
Assessment of different types of trellis in tomato	7					FP-240 TO1-324 TO2 – 335	145000 150000 146000	360000 480000 502500	215000 330000 356500	2.48 3.20 3.40

Results:

Please provide all the OFTs in same format

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Rice	Integrated pest management	Hasanta variety (145days) tolerant to BPH having yield potential of 39 q/ha	2.0	2.0	1	0	3	2	3	1	7	3	10	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Rice	Kharif 2020	Rainfed	Sandy loam	242	22	142	Green gram	25.06.2020	05.11.2020	166.70	11
Rice	Kharif 2020	Rainfed	Sandy loam	172	26.5	122	Fallow	18.06.2020	22.10.2020	192.07	13
Rice	Kharif 2020	Rainfed	Sandy loam	195	32	125.5	Fallow	29.06.2020	05.11.2020	226.07	12

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
Linseed	Varietal evaluation	Duration - 104days, Average Yield- 8.49t/ha, Potential Yield-12t/ha. Resistance to Alternaria blight.	10	2.0	6.7	Fallow	-	14600	35100	20500	2.4	-	-	-	-
Groundnut	Integrated weed management	PE application of Oxyflourfen @ 200 ml/ha & POE spray of imazethapyr 1lit /ha.	10	2.0	13.7	10.5	35.2	35000	76250	41250	2.18	33200	58000	26800	1.73
Total			20	4.0	20.4	10.5	35.2	49600	111350	61750	4.58	33200	58000	26800	1.73

* 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
Blackgram	Integrated weed management	PE application of pendimethalin @ 2.5 l /ha	10	2.0	4.1	2.8	42.0	16500	35300	18800	2.14	15200	28100	12900	1.75
	Total		10	2.0	4.1	2.8	42.0	16500	35300	18800	2.14	15200	28100	12900	1.75

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

** BCR= GROSS RETURN/GROSS COST

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Watermelon	Integrated crop management	Nursery for watermelon can be prepared with either polythene bags or through portrays under protected Nursery	10	1.0	352	226	55.75			72000	176000	104000	2.40	50000	113000	63000	2.26

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Litchi	Integrated crop management	Straw can be given for soil mulching. The fertilizer dose recommended per plant is FYM 40-50 kg, CAN 2-3 kg, Super phosphate 1.5-2kg, MOP 500 g	10	1.0	30	24	25.0			24000	90000	66000	3.75	22200	72000	49800	3.24
Mango	Integrated pest management	Install six Methyl Eugenol plywood traps per acre, plough the soil at the tree basin at frequent intervals. Three weeks before the harvest, spray Decamethrin 2.8 EC @ 0.5 ml/l + Azadirachtin (0.3%) 2 ml/lt	10	1.0	124	95	30.5			50000	148800	98800	2.98	42000	114000	72000	2.71

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Litchi	Integrated pest management	Before flower opening spraying of neem oil @ 5ml/liter, 10 days after fruit set when the fruits about pea-sized spraying of Imidacloprid 17.8 SL @0.7-1.0 ml/ L water and 10 days before fruit harvesting spraying of Emamectin Benzoate 5% SG @ 0.7 g/L water	10	1.0	50	42	19.04			120000	245000	125000	2.04	109000	210400	101400	1.93

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Cauliflower	Integrated nutrient management	Soil Test Based Fertilizer + seed treatment with Arka Microbial Consortium @10gm/100gm seed +soil application with 5kg AMC mixed with 500kg FYM	10	1.0	165	125	32.0			51500	165000	113500	3.20	42500	125000	82500	2.94
Tomato	Integrated water management	In line Drip Irrigation with discharge of 2 lph, yield increase – 35-40%	10	0.4	644	500	28.8					322000	4.02			250000	3.57
Bittergourd	Integrated crop management	Demonstration of Trellis system)	10	1.0	183.13	152.30	20.06			100000	270000	170000	2.70	95000	225000	130000	2.36
Chilli	Integrated disease management	Seed treatment with sprayings of Difenoconazole @ 0.1%	10	1.0	95	78	21.8			93200	231200	138000	2.48	84500	181500	97000	2.15

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Onion	Varietal evaluation	Growing kharif onion variety Agri found dark red	10	1.0	150	90	66.6			130000	450000	320000	3.46	100000	270000	170000	2.71
Total																	

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																	
Others (pl.specify)																	
Total																	

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

** BCR= GROSS RETURN/GROSS COST

Fisheries

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

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

** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom																
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
Total																

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

Women empowerment

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

Farm implements and machinery

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

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

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
Cereals				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										

Others (Pl. specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total										
Commercial crops										

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

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
2	Greengram	Satisfied with the productivity of early sowing
3	Rice	Satisfied with BPH tolerance
4	Tomato	Farmers are satisfied with the quality and yield of both the varieties
5	Bittergourd	More yield in trellis system compare to the traditional system
6	Onion	Farmers satisfied with yield potential of var. Agrifound dark red
7	Cauliflower	Farmers are satisfied with curd size and quality

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	21.03.2020	1	40	
2.	Farmers Training	07.08.20, 21.10.20, 05.11.20, 11.11.20, 03.12.20, 31.12.20	6	150	
3.	Media coverage	07.03.20, 08.03.20,09.03.20, 08.07.20,01.09.20, 5.12.20,	6	Mass	
4.	Training for extension functionaries	21.08.20, 17.12.20	2	30	

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2020 and Rabi 2020-21:

Pulse

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Greengram (Var.-IPM 02-03)	Local (Kalamuga)	2.6	146	220	340	High yielding variety IPM 02-03, seed treatment with Vitavax Power (Carboxin + Thiram) @ 2g and 20 gm rhizobium per 1kg of seed, line sowing (30 cm x 10 cm), application of tebuconazole 10% + sulphur 65% WG @ 1250gm/ha to control powdery mildew, Chloropyrifos 35% + Cypermethrin 10% EC @ 1lit/ha, Indoxacarb @ 0.5 lit/ha and spinosad @ 0.15 lit/ha for control of pod borer	25	10	5.35	2.92	3.8	43.5	36.3	25.4

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	High yielding variety IPM 02-03, seed treatment with Vitavax Power (Carboxin + Thiram) @ 2g and 20 gm rhizobium per 1kg of seed, line sowing (30 cm x 10 cm), post emergence herbicide Imazethapyr @ 1 lit /ha,Chloropyrifos 35% 1lit/ha, Imidachloprid @ 0.3ml /lit for control of aphids and spinosad @ 0.3ml /lit for control of pod borer	12000.00	14500.00	2500.00	1.2	16000.00	24650.00	8650.00	1.54

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Greengram (Var.-IPM 02-03)	380	250 kg/Household	70	100	30	Agriculture and household needs	38 MD

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	High yielding variety IPM 02-03, seed treatment with Vitavax Power (Carboxin + Thiram) @ 2g and 20 gm rhizobium per 1kg of seed, line sowing (30 cm x 10 cm), application of tebuconazole 10% + sulphur 65% WG @ 1250gm/ha to control powdery mildew, Chloropyrifos 35% + Cypermethrin 10% EC @ 1lit/ha, Indoxacarb @ 0.5 lit/ha and spinosad @ 0.15 lit/ha for control of pod borer	Suitable	IPM 02-03 variety obtaining good yield in some areas Deogarh district	Yes	No	Yes	New released high yielding varieties of greengram should be available to the farmers for improvement

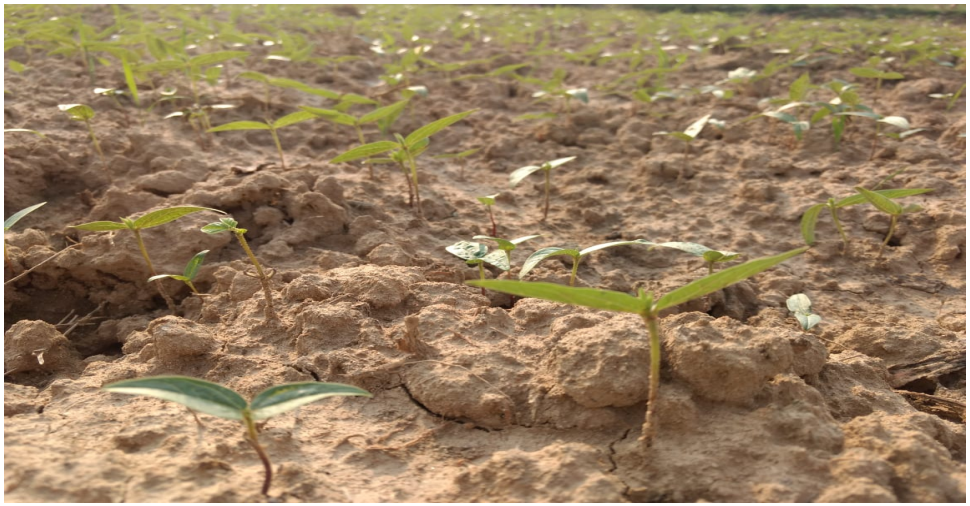
E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
High yielding variety	Enhancement of yield	Enhancement of yield against local check	Farmer observed and satisfied with the specific characteristics of the demonstrated technologies upto the flowering stage but during pod formation stage hailstorm severely damaged the crop and reduced the yield.
Seed treatment (Rhizobium)	Increase nodulation	Increase nodulation as compared to without rhizobium treatment	
Seed treatment (Chemicals)	Reduce disease incidence	Reduce disease incidence against local check	
Plant protection measures	Reduce pest and disease incidence	Reduce pest and disease incidence against local check	

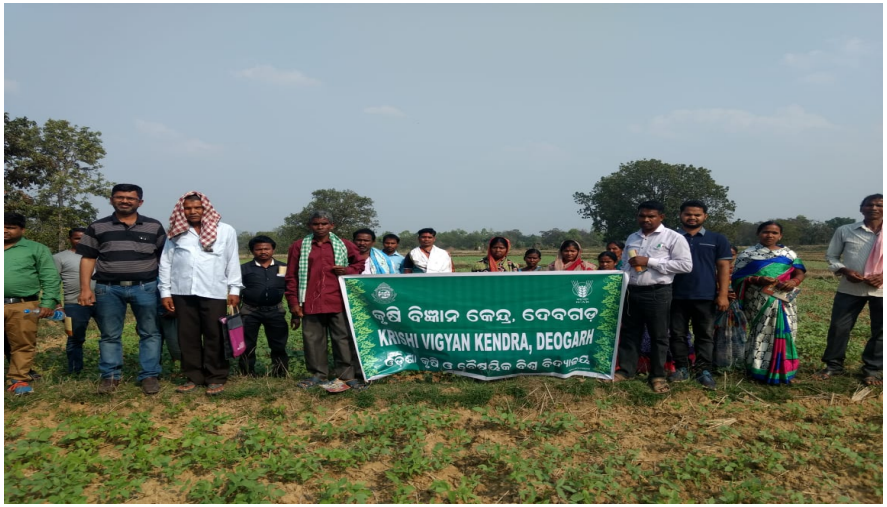
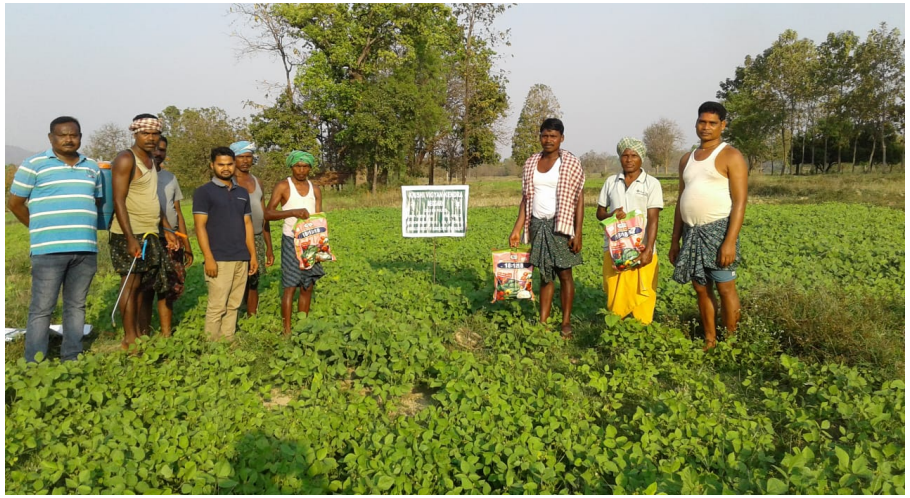
F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Field Day	Satakiari (Dt 21.03.2020)	40

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

	
Germination stage	**15 DAS**
	
Flower initiation stage	**Maturing stage**

H. Farmers' training photographs

	
Diagnostic field visit along with farmers	**Distribution of WSF among the farmers**

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

	
Spraying of pesticide in flowering stage	**Field day at village Satakiari**

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Greengram	i) Critical input	81,000/-	81,000/-	00
	ii) TA/DA/POL etc. for monitoring	9,000/-	9,000/-	00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**90,000/-**	**90,000/-**	**00**

Oilseed

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Rape seed and Mustard (Toria)	M-27	5.3	520	540	1000	Variety Uttara +seed treatment +soil test based fertiliser, Micronutrient recommendation, WSF foliar nutrient application , application of Thiomethoxam to control Aphids and application of Emamectin Benzoate to control pod borer	325	130 ha	6.6	5.5	6.05	75	65	14.5

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	Variety Uttara +seed treatment +soil test based fertiliser, Micronutrient recommendation, WSF foliar nutrient application , application of Thiomethoxam to control Aphids and application of Emamectin Benzoate to control pod borer	12500	24500	13500	1.96	13800	30500	16700	2.21

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.	Toria & Uttara	240	180	50	20	40	Livelihood Support	25

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 +soil test based fertiliser, Micronutrient recommendation, WSF foliar nutrient application , application of Thiomethoxam to control Aphids and application of Emamectin Benzoate to control pod borer	Yes	Yes	70%	No	Yes	Timely availability of seed should be ensured

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
High Yielding Variety	Enhancement of yield	Enhancement of yield against local check	Farmers observed and highly satisfied with the performance of the new variety and demonstrated technologies
Seed treatment	Reduce disease incidence	Reduce disease incidence as compared to local check	
Application of WSF	Good vegetative growth of the plants	Better vegetative growth of the plants than local check	
Foliar application of Boron	More flowering and pod formation occour	More flowering and pod formation occour than local check	
Plant protection measures for aphids (Application of thiomethoxam)	Reduce the aphid incidence	Very less the aphid incidence than local check	

F. Extension activities under FLD conducted:

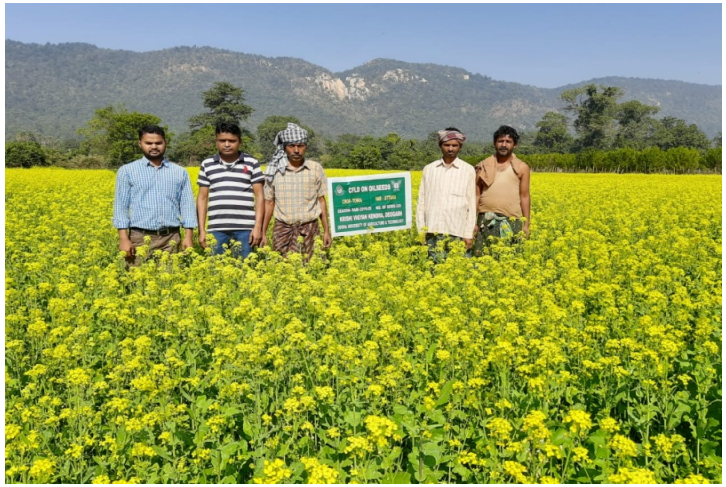
Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Demonstration on Seed Treatment	15.11.2019 & Tungamal	50
2	Demonstration on application of WSF as foliar application	20.01.2020 & Sanghapasi	30
3	Field Day	24.02.2020 & Badajharan	100
4	Field Day	02.03.2020 & Deojharan	100

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

	
Flower initiation stage	

K. Farmers' training photographs

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

	
Happy farmers in their field	**Harvested crop**

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Rapeseed & mustard	i) Critical input	702000.00	614494.00	37035.00
	ii) TA/DA/POL etc. for monitoring	78000.00	50471.00	27529.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	780000.00	664965.00	115035.00

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

A) Farmers and farm women (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
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													

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
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 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													
Others, if any													
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													

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													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
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													

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
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
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	1	0	5	5	0	2	2	0	8	8	0	15	15
Bee-keeping	1	5	2	7	1	0	1	5	2	7	11	4	15
Integrated farming													
Seed production													
Production of organic inputs	2	8	3	11	2	2	4	10	5	15	20	10	30
Integrated Farming	1	4	2	6	1	1	2	4	2	7	9	6	15
Planting material production	1	5	2	7	1	0	1	5	2	7	11	4	15
Vermi-culture	1	4	2	6	1	1	2	4	2	7	9	6	15
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	1	4	2	6	1	1	2	4	2	7	9	6	15
Nursery Management of Horticulture crops	1	2	2	4	1	0	2	2	2	4	6	4	10
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													

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
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
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													
TOTAL	**9**	**32**	**20**	**52**	**8**	**7**	**16**	**34**	**25**	**62**	**75**	**55**	**130**

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	1	2	2	4	1	0	2	2	2	4	6	4	10
Integrated Nutrient management	1	3	1	4	2	0	2	3	1	4	8	2	10

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Rejuvenation of old orchards													
Protected cultivation technology													
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	1	3	1	4	2	0	2	3	1	4	8	2	10
TOTAL	**3**	**8**	**4**	**12**	**5**	**0**	**6**	**8**	**4**	**12**	**22**	**8**	**30**

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	1	11	2	13	1	0	1	12	4	16	24	6	30
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	5	42	13	55	11	5	16	42	17	59	95	35	130
Fodder 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	2	22	4	26	2	0	2	24	8	32	48	12	60
Others, (cultivation of crops)	4	30	8	38	10	3	13	32	12	45	72	23	95
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment	2	13	2	13	1	0	1	20	9	16	34	11	45
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising	2	18	3	21	3	0	1	21	8	29	42	13	55
Export potential vegetables													
Grading and standardization	2	14	2	22	5	2	7	25	12	37	44	16	60
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning	2	13	3	21	3	0	1	21	8	29	37	13	50
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards	2	9	2	11	2	0	2	8	4	16	19	6	25
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards	1	4	2	6	1	1	2	4	2	7	9	6	15
Plant propagation techniques													
Others, if any(Plant Growth Regulator)	1	2	2	4	1	0	2	2	2	4	6	4	10
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	1	5	2	7	2	0	2	8	4	12	15	6	21
Soil and Water Conservation													
Integrated Nutrient Management	3	18	3	21	3	0	1	21	8	29	42	13	55
Production and use of organic inputs	1	4	2	6	1	1	2	4	2	7	9	6	15
Management of Problematic soils	1	11	2	13	1	0	1	12	4	16	24	6	30
Micro nutrient deficiency in crops	3	24	6	36	10	2	11	32	8	40	66	16	82
Nutrient Use Efficiency													
Soil and Water Testing	3	30	6	36	10	1	11	32	10	42	72	18	90
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
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	8	65	15	70	11	11	22	72	34	106	158	60	218
Integrated Disease Management	3	27	5	32	8	2	10	32	12	44	67	19	86
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(mushroom cultivation)	1	11	2	13	1	0	1	12	4	16	24	6	30
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**48**	**373**	**86**	**464**	**87**	**28**	**0**	**109**	**436**	**172**	**602**	**907**	**295**

E) RURAL YOUTH (Off Campus)

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

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 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													
Others, if any													
TOTAL													

F) Extension Personnel (Off Campus)

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Nutrient management													
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													
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	1	11	2	13	1	0	1	12	4	16	24	6	30
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	5	42	13	55	11	5	16	42	17	59	95	35	130
Fodder production													
Production of organic inputs	2	22	4	26	2	0	2	24	8	32	48	12	60
Others, (cultivation of crops)	4	30	8	38	10	3	13	32	12	45	72	23	95
TOTAL													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment	2	13	2	13	1	0	1	20	9	16	34	11	45
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising	2	18	3	21	3	0	1	21	8	29	42	13	55
Exotic vegetables like Broccoli													
Export potential vegetables	2	14	2	22	5	2	7	25	12	37	44	16	60
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	2	13	3	21	3	0	1	21	8	29	37	13	50
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards	2	9	2	11	2	0	2	8	4	16	19	6	25
Rejuvenation of old orchards													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Export potential fruits													
Micro irrigation systems of orchards	1	4	2	6	1	1	2	4	2	7	9	6	15
Plant propagation techniques													
Others, if any(INM)	1	2	2	4	1	0	2	2	2	4	6	4	10
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management	1	5	2	7	2	0	2	8	4	12	15	6	21
Soil and Water Conservation													
Integrated Nutrient Management	3	18	3	21	3	0	1	21	8	29	42	13	55
Production and use of organic inputs	1	4	2	6	1	1	2	4	2	7	9	6	15
Management of Problematic soils	1	11	2	13	1	0	1	12	4	16	24	6	30
Micro nutrient deficiency in crops	3	24	6	36	10	2	11	32	8	40	66	16	82
Nutrient Use Efficiency													
Soil and Water Testing	3	30	6	36	10	1	11	32	10	42	72	18	90
Others, if any													
TOTAL													
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)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													

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													
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													
TOTAL													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	8	65	15	70	11	11	22	72	34	106	158	60	218
Integrated Disease Management	3	27	5	32	8	2	10	32	12	44	67	19	86
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any	1	11	2	13	1	0	1	12	4	16	24	6	30
TOTAL													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Composite fish culture & 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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL	**48**	**373**	**86**	**464**	**87**	**28**	**0**	**109**	**436**	**172**	**602**	**907**	**295**

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	1	0	5	5	0	2	2	0	8	8	0	15	15
Bee-keeping	1	5	2	7	1	0	1	5	2	7	11	4	15
Integrated farming													
Seed production													
Production of organic inputs	2	8	3	11	2	2	4	10	5	15	20	10	30
Planting material production	1	4	2	6	1	1	2	4	2	7	9	6	15
Vermi-culture	1	5	2	7	1	0	1	5	2	7	11	4	15
Sericulture	1	4	2	6	1	1	2	4	2	7	9	6	15
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops	1	4	2	6	1	1	2	4	2	7	9	6	15

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Training and pruning of orchards	1	2	2	4	1	0	2	2	2	4	6	4	10
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)													
TOTAL	**9**	**32**	**20**	**52**	**8**	**7**	**16**	**34**	**25**	**62**	**75**	**55**	**130**

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	1	2	2	4	1	0	2	2	2	4	6	4	10
Integrated Nutrient management	1	3	1	4	2	0	2	3	1	4	8	2	10
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	1	3	1	4	2	0	2	3	1	4	8	2	10
Crop intensification													
Others if any													
TOTAL	**3**	**8**	**4**	**12**	**5**	**0**	**6**	**8**	**4**	**12**	**22**	**8**	**30**

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agronomy	FW	Scientific cultivation practices of linseed	1	Off	18	12	30	12	08	20
	FW	Use of bio	1	Off	17	13	30	11	02	13

		fertilizers in pulse crops								
	FW	INM practices in greengram	1	Off	23	7	30	13	04	17
	FW	Scientific cultivation practices of sesame	1	Off	12	08	20	03	11	14
	FW	INM practices in sesame	1	Off	15	05	20	01	07	08
	FW	Scientific cultivation practices of rapeseed and mustard	1	Off	13	07	20	07	05	12
	FW	Scientific cultivation practices of linseed	1	Off	17	08	25	6	6	12
	FW	INM practices in rapeseed and mustard	1	Off	16	09	25	7	6	13
	FW	INM practices in rapeseed and mustard	1	Off	15	10	25	7	4	11
	FW	IWM practices in groundnut	1	Off	23	7	30	13	04	17
	FW	INM practices in groundnut	1	Off	17	13	30	11	02	13
	FW	Use of bio fertilizers in pulse crop	1	Off	18	12	30	12	08	20
	RY	Different types of organic manure and its preparation methods	1	On	10	05	15	5	3	8
	RY	Scientific cultivation practices of maize-cowpea intercropping	1	On	11	04	15	6	1	7

Horticulture	FW	Post harvest management in tomato	1	Off	17	13	30	11	02	13
	FW	Transplanting method of watermelon	1	Off	23	7	30	13	04	17
	FW	Post harvest management of onion	1	Off	18	12	30	12	08	20
	FW	Use of plant growth regulator for regular bearing in mango	1	Off	07	03	10	03	02	05
	FW	Cultural practices in mango orchard	1	Off	05	05	10	03	02	05
	FW	Trelli system in tomato	1	Off	11	04	15	6	1	7
	FW	Training and pruning in kharif tomato production	1	Off	13	07	20	07	05	12
	FW	Different type of mulching in litchi cultivation	1	Off	10	05	15	5	3	8
	FW	Water management in litchi cultivation	1	Off	08	07	15	04	03	07
	FW	Nursery raising of onion and its management	1	Off	15	10	25	7	4	11
	RY	Production of quality planting material of different fruit crops	1	On	11	04	15	6	1	7
		Propagation technique of fruit plants and nursery management	1	On	07	03	10	03	02	05
Plant protection	FW	Management of purple blotch in onion	1	Off	23	7	30	13	04	17

	FW	Different cultural practices for management of fruit fly in mango	1	Off	18	12	30	12	08	20
	FW	Integrated pest management against aphid in greengram	1	Off	17	13	30	11	02	13
	FW	Management practices for control of anthracnose diseases in chilli	1	Off	14	12	26	6	5	11
	FW	Cultural practices for control of BPH in low land rice	1	Off	10	05	15	5	3	8
	FW	Management practices for control of pod borer in pigeonpea	1	Off	12	11	23	9	2	11
	FW	Cultural management practices for control of purple blotch of onion	1	Off	17	13	30	11	02	13
	FW	Management practices for control of pod borer in greengram	1	Off	18	12	30	12	08	20
	FW	Management practices for control of thrips in watermelon	1	Off	15	15	30	11	06	17
	FW	Production technologies for oyster mushroom cultivation	1	Off	23	7	30	13	04	17
	FW	Cultural practices to reduce fruit	1	Off	18	12	30	12	08	20

		sucking moth infestation in sweet orange								
	FW	Cultural and chemical measures against fruit borer infestation in litchi	1	Off	17	13	30	11	02	13
	RY	Apiculture for income generation	1	On	08	07	15	04	03	07
	RY	Repair and maintenance of farm machinery and farm implements	1	On	11	04	15	6	1	7
	IS	IPM practices for control of major insect pest in rice	1	On	07	03	10	03	02	05
Soil science	FW	Importance of soil testing and technique of soil sample collection	1	Off	17	13	30	11	02	13
	FW	Importance of soil testing and technique of soil sample collection	1	Off	15	15	30	11	06	17
	FW	Importance of soil testing and technique of soil sample collection	1	Off	23	7	30	13	04	17
	FW	Method of application of lime and micronutrient in tomato	1	Off	18	12	30	12	08	20
	FW	INM in banana	1	Off	08	07	15	04	03	07
	FW	INM in cauliflower	1	Off	13	07	20	07	05	12
	FW	INM in bittergourd	1	Off	15	05	20	07	01	08
	FW	Method of application of biofertiliser in	1	Off	16	05	21	06	05	11

		vegetables								
	FW	Use and role of micronutrient in watermelon	1	Off	18	04	22	07	06	13
	FW	Deficiency symptoms of micronutrients and its management	1	Off	15	15	30	11	06	17
	FW	INM in litchi	1	Off	23	7	30	13	04	17
	FW	Acid soil management for productivity on cole crops	1	Off	18	12	30	12	08	20
	RY	Commercial production of vermi compost and its uses	1	On	11	04	15	6	1	7
	RY	Acid soil management for higher production	1	On	08	07	15	04	03	07

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self-employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	

Sponsored Training Programmes

Sl. No	Title	Thematic area	Month	Duration (days)	Client PF/RY /EF	No. of courses	No. of Participants										Sponsoring Agency
							Male			Female			Total				
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	Capacity building of women SHGs on mushroom production	Mushroom production	August 2019 – March 2020	210		10	-	-	-	130	45	75	130	45	75	250	OUAT

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	3	78	36	114	26	4	2	6	82	38	120
Kisan Mela	3	87	43	130	32	-	-	-	87	43	130
Kisan Ghosthi	1	10	5	15	20	2	0	2	12	5	17
Exhibition	4	-	-	-	-	-	-	-	-	-	-
Film Show	3	45	15	60	40	-	-	-	45	15	60
Method Demonstrations	2	42	8	42	20	-	-	-	42	8	50
Farmers Seminar	4	68	28	96	30	4	-	4	72	28	100
Workshop	-	-	-	-	-	-	-	-	-	-	-
Group meetings	7								190	40	230
Lectures delivered as resource persons	16	310	100	410	18	7	3	10	310	110	420
Advisory Services											
Scientific visit to farmers field	80	817	202	1019	42	9	4	13	830	202	1032
Farmers visit to KVK	1	-	-	-	35	-	-	-	621	191	812
Diagnostic visits	57	93	71	164	30	6	2	8	101	71	172
Exposure visits	-										-
Ex-trainees Sammelan	1	22	3	25	16	-	-	-	22	3	25
Soil health Camp	2	42	18	60	25	-	-	-	42	18	60
Animal Health Camp	1	11	9	20	30	2	-	2	13	9	22
Agri mobile clinic											

Soil test campaigns	5	120	30	150	35	-	-	-	120	30	150
Farm Science Club Conveners meet	1	17	6	23	32	2	-	2	18	7	25
Self Help Group Conveners meetings	2	22	8	30	23	-	-	-	22	8	30
Mahila Mandals Conveners meetings											
Celebration of important days (specify)	6	325	94	419	35	22	9	31	350	100	450
Sankalp Se Siddhi											
Swatchta Hi Sewa	-	-	-	-	-	-	-	-	-	-	-
Mahila Kisan Divas	1	0	28	28	30	1	1	2	0	30	30
Any Other (Specify)											
Total	200	2109	704	2805	519	59	21	80	2979	956	3935

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	15
Radio talks	6
TV talks	9
Popular articles	5
Extension Literature	2
Video prepared	2

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
Total								

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Pigeonpea	PRG-176	5.4	49,896.00	36	-		36
Sunhemp	Local	5.08	28,956.00	9	22	25	56
Grand Total		**10.48**	**78,852.00**	**45**	**22**	**25**	**92**

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	Megha	7050	10575	40	300	350	690
Cabbage	Green Challenger	5200	7800	22	103	200	325
Tomato	Arka Rakhyak, Arka Samrat, Sakhyam	32000	32000	77	354	241	672
Brinjal	Tarini	7614	7614	102	307	311	720
Chilli	Siamhot, Krishna	10001	10001	88	267	410	765
Onion	Agrifound dark red	50000	25000	57	289	274	620
Others (Broccoli, Chinese cabbage, Capsicum, Cowpea, Red cabbage, Knolkhol)	Belstar, Omaxe Chinese, Capsicum-J, Kasikanchan, Bok Choy, White Vienna)	1400	2100	6	45	47	98
Fruits							
Mango	Amarpali	380	14000	14	43	32	89
Guava							
Lime							
Papaya	Red lady	200	5000	3	14	33	50
Banana							
Others							
Ornamental plants	Inca, chrysanthemum	50	20	-	2	11	13
Medicinal and Aromatic							
Plantation							

Spices							
Turmeric	Rajendra Sonia	80 kg	2000	-	5	8	13
Tuber							
Elephant yams							
Fodder crop saplings							
Forest Species							
Others, pl.specify							
Total		**113975**	**116110**	**409**	**1729**	**1917**	**4055**

Production of Bio- product by KVKs

Bio -product	**Name of the Bio - product**	**Quantity (no.)**	**Quantity (Kg.)**	**Value (Rs.)**	**Number of farmers**	**Quantity (no.)**	**Quantity (Kg.)**	**Value (Rs.)**	**Number of farmers**	**Quantity (no.)**	**Quantity (Kg.)**	**Value (Rs.)**	**Number of farmers**	**Quantity (no.)**	**Quantity (Kg.)**	**Value (Rs.)**	**Number of farmers**
Bio-fertilisers		**A&N Islands**				**Odisha**				**West bengal**				**Total**			
Non Symbiotic Azotobacter																	
Vermi compost						-	818	12270	38								
Azolla							5	50	3								
Earth worms																	
Compost																	
Worms							2.25	2250	10								
Blue green algae																	
NADEP																	
Azatobactor																	
Azospirillum																	
PSB																	
Rhizobium																	
Azolla culture																	
Total																	
Bio-																	

Bio -product	Name of the Bio - product	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers
Bio-fertilisers		**A&N Islands**				**Odisha**				**West bengal**				**Total**			
pestisides																	
Neem extract																	
Tobacco extract																	
Trichoder-maviride																	
Panchagavya																	
Trichoderma																	
Total																	
Worms																	
Eudriluseuniae																	
Total																	
Earth worm																	
Eiseniafoetida																	
Earth worm																	
Total																	
Bio-fungicides																	
Trichoder maviridae																	
Total																	
others																	
Vermiculture																	
Mushroom-spawn						1944		38880	68								
Cuelure																	
Mineral mixture																	
Cow dung(dry)																	

Bio -product	Name of the Bio - product	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers
Bio-fertilisers		**A&N Islands**				**Odisha**				**West bengal**				**Total**			
Cow dung(wet)																	
Total																	
Grand Total						**1944**	**825.25**	**53450**	**119**								

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat							
Other, please specify							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)	Kadaknath	260	20000	32			
Japanese Quail							
Turkey							
Emu							
Ducks							
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							

Fisheries				
Indian carp				
Exotic carp				
Mixed carp				
Fish fingerlings				
Spawn				
Others (Pl. specify)				
Grand Total				

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

i) Name of Seed Hub Centre:

Name of Nodal Officer :	Senior Scientist and Head,KVK,Deogarh
Address :	At/Po-Purunagarh, Dist-Deogarh, 768119
e-mail :	kvkdeogarh.ouat@gmail.com
Phone No. : Mobile :	Mob. No: 9437360866 06641-295265

ii) **Details of Quality Seed Production**

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2020	Pigeonpea	PRG-176	-	10.0	25.80 (Approximately)	TL
Rabi 2020-21	-	-	-	-	-	-
Summer/Spring 2021	-	-	-	-	-	-

iii) Financial Progress

Fund received (2016-17, 2017-18 2018-19 and2019-20)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17	50.0	40.0	-	-
2017-18	-	-	-	-
2018-19	-	-	-	-
2019-20	-	-	37,14,004/-	

iv) Infrastructure Development

Item	Progress
Seed processing unit	Completed
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper	Kharif tomato cultivation, Effect of Novel Extension Approach for attracting rural youths in agriculture, Constraints encountered in vegetable cultivation by farm women of odisha: An empirical study	Dr. S. K. Nath, Laba Soren, Sabtasachi Sahoo, Sadhan Swastika, Chinmay Mishra	3	
Seminar/conference/ symposia papers	-	-	-	
Books	-	-	-	
Bulletins	-	-	-	
News letter	Pradhanpat krushi samachar patrika		2	
Popular Articles	Subhadra Apekhyare, Tela tau kahinki, Bisarna Biparna Abasanna ama chasi	Dr. S.K.Nath	3	
Book Chapter	-	-	-	
Extension Pamphlets/ literature	Chatu chasa, sorisa chasa, nursery parichalana, jia khata prastuti pranali	Dr. S. K. Nath, Laba Soren, Sabtasachi Sahoo, Sadhan Swastika, Chinmay Mishra	4	
Technical reports	MPR, PMO, CFLD, seed hub, soil test, annual report, etc		15	
Electronic Publication (CD/DVD etc)	Video on Tomato cultivation & mushroom cultivation	KVK, Deogarh	2	
TOTAL				

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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.					

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

Name of farmer	Sri Debendra Dhal
Address	At/Po-Khilei, Dist-Deogarh
Contact details (Phone, mobile, email Id)	9668985908
Landholding (in ha.)	2.5
Name and description of the farm/ enterprise	Pond based integrated farming system
Economic impact	Net annual income-2,50,000/-
Social impact	"Farmer Professor" being a role model to the fellow farmers of the locality.
Environmental impact	Improves soil quality
Horizontal/ Vertical spread	20 ha

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	IFS for employment and status for resource poor farmers	Sri Debendra Dhal	Deogarh is the smallest and most resource poor district of Odisha. Khilei, an under developed tribal dominated village of the district is surrounded by hills and forests. Debendra Dhal a young man of this village is now an example setter in the district, establishing a model pond based integrated farming system (IFS) in his village. His IFS is comprised of 3 acres of land where one acre is the water area with 2 ponds. In one acre he cultivates medium duration rice in kharif which later on changed to rice – toria-greengram cropping system. The bonds of both the ponds are full of banana and mango plantation. One side is also covered with pointed and spine gourds. From one acre rice based cropping system he gets a net return about Rs. 40,000/-. Throughout the year he cultivates seasonal vegetables in one acre which fetches him more than Rs. 75,000/- net return. From the mango, litchi and

			banana plantation he earns about Rs. 57,000/-. From both the ponds, spending about Rs. 25000/- in pisciculture he gets about Rs. 70000/-. He has two mixed jersey breed cows, from where he earns Rs. 20,000/- per annum. His total income comes more than Rs. 2,50,000/- from this IFS. Besides his total family gets employment from his own farm. All the residues or bi-product of one component is used to bring enhancement of yield of the other. Being a graduate he is now proud of leading a self contained independent life. His IFS is full of latest scientific interventions from the Krishi Vigyan Kendra and different line departments. He has tilapia fish, fresh water prawn, mulching on banana which are new to the district. By this scientific temperament he has been awarded from the district administration and State Govt. for his innovativeness. The district Research Extension Committee has designated him as "Farmer Professor" being a role model to the fellow farmers of the locality.

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

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Cereal and pulses	Elephant repellant	To drive out elephants from farm

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	Sesamum, mango	28.5 ha	350 q	45	Y

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

Sl. no.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1.	Assessment of training needs	To reduce gap
2.	Group contact methods	To identify problems.
3.	Small group techniques	To teach new technologies
4.	Mass contact method	Awareness
5	Extension teaching methods	Public awareness

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

Sl. No	Name of the Equipment	Qty.
1	Shaker	1
2	Meter	1
3	Hot plate	1
4	Sieve small	1
5	Sieve big	1
6	Solar plate with controller and cable	1
7	Manual	1
8	Funnel	20
9	Beaker	20
10	Test tube graduated 50ml	40
11	Glass test tube (50ml)	20
12	Spoon(small)	1
13	Spoon(big)	1
14	String rod(plastic)	2
15	String rod(glass)	2
16	Beaker glass 100ml	4
17	Graduated measuring cylinder glass(10ml)	1
18	Graduated measuring cylinder glass(50ml)	1
19	Reagent brown bottle glass (125ml)	2
20	Weighing balance	1
21	Wash bottle(500ml)	1
22	Wash bottle(250ml)	1
23	Tissue paper	2
24	Bottle brush	1
25	Test tube brush	1
26	Measuring cylinder glass (25ml)	1
27	Test tube stand	2
28	Safty glass (Goggle)	1
29	Training CD	1
30	Software for soil health card CD	1
31	Mridaparikshak soil testing kit (mini lab)	2
32	Flame photometer	1

33	Double beam UV visible spectro photometer	1
34	All glass double distillation unit	1
35	Distillation appts power supply	1
36	Rotary shaker	1
37	Digital balance	1
38	Automatic nitrogen analyser	1
39	PH,EC, TDS combined meter model	1
40	Digital soil mixture	1
41	Precision analytical balance	1
42	Magnetic stirrer	1
43	Hydrometer Boycous	1
44	Hot plate(rectangular)	1
45	Moisture dish	4

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			
121	60	181	1730	13	-

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	53	-	-	12	70

3 .12. Activities of rain water harvesting structure and micro irrigation system

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

3.13. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Group meeting	1	25	Vegetable
Video show	1	30	Tomato cultivation

Farmers seminar	1	15	INM in watermelon
Method demonstration	1	18	Vermi composting
Soil test campaign	1	20	Soil testing

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

No of student trained	No of days stayed
0	-

ARS trainees trained	No of days stayed
0	

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

Date	Name of the person	Purpose of visit
20.11.2020	Sri Subash Panigrahi, Hon'ble MLA, Deogarh	Visit
22.01.2021	Dr. L.K. Rath, Director, APC, OUAT, Bhubaneswar	Official visit
06.02.2021	Dr. L.M. Garnayak, DEE, OUAT, Bhubaneswar	OMBADC project

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.)	
Use of different tomato varieties with consumer preference for wilt tolerance in late kharif	72	80	45,000/-/ha	1,30,000/-/ha

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

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread
Trellis system in bitter gourd to check production of poor quality fruits due to soil contact	30 ha
Herbicide application in kharif groundnut	110 ha

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

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms
1	Kharif tomato popularisation	Large scale adoption	75% villagers of Kalchipadadihi adopted
2	IPM in pigeonpea cultivation	Large scale adoption	35% villagers of FLD beneficiaries adopted IPM technology against pod borer

4.4. Details of innovations recorded by the KVK

Thematic area	Field crop
Name of the Innovation	pregerminated seed sowing for better yield
Details of Innovator	Sri Purandar Mohanta, At - Hinjilita, Po- Balanda, Dist.-Deogarh, PIN-768110
Back ground of innovation	He has been cultivating greengram since last 8 years in commercial basis
Technology details	Soaking of greengram seeds for 6 hrs in water along with fungicide as seed treatment
Practical utility of innovation	For better germination of the seeds

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Hi tech horticulture
Name & complete address of the entrepreneur	Pravash Mishra, Basaloi, Deogarh
Role of KVK with quantitative data support:	Supplied onion seed, vermin
Timeline of the entrepreneurship development	Since last 5 years
Technical Components of the Enterprise	Poly house, farm pond, vermi compost unit, poultry, dairy
Status of entrepreneur before and after the enterprise	Annual income before entrepreneur 1,00,000/- , after entrepreneur 4,50,000/-
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Available of raw materials, no problem in marketing of the produce
Horizontal spread of enterprise	5 nos.

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Agriculture	Field & Diagnostic visit, Field Day, Training, Demonstration & Dissemination of technology.
Horticulture & Fisheries	Field & Diagnostic visit, Field Day, Training, Demonstration, Dissemination of technology.
Veterinary	Dissemination of technology, Training, Poultry, Goatery
NABARD	FPO formation and capacity building training

5.2. List of special programmes undertaken during 2020-21 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies (information of previous years should not be provided)

a) Programmes for infrastructure development

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
ATMA	Farmer scientist interaction	Dec 2020	ATMA	0.2 lakh

(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.)
Mission shakti	Capacity building of women SHGs on mushroom cultivation	August 2019 – March 2020	OUAT	9,60,000/-
ASCI	Nursery worker	January 2020	ICAR	1,80,000/-
ASCI	Mushroom grower	February 2020	ICAR	1,80,000/-

6. Performance of infrastructure in kvk

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

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

6.2.Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Pigeonpea			1.0	PRG-176	TL	5.4	5670	49896	
Sunhemp			2.0	local	TL	5.08	3220	28956	

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermi compost	818	5600	12270	

6.4 Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Poultry bird	Kadaknath	Chiks	260	13200	20000	

6.5 Utilization of hostel facilities

Accommodation available (No. of beds) NIL

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

(For whole of the year)

6.6 Utilization of staff quarters

Whether staff quarters has been completed: Yes

No. of staff quarters: 6

Date of completion: 2012

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
January 2020 to December 2020	All quarters occupied by staffs					

7 Financial performance

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Flexi account	State bank of India	Deogarh	30062165311
Saving	State bank of India	Deogarh	30442362646
Flexi account	State bank of India	Deogarh	36409971279

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	
Rapeseed and mustard		120,000/-		1,20,000/-	NIL

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st Apr 2021
	Kharif	Rabi	Kharif	Rabi	
Greengram		88,800/-		88,800/-	NIL

7.4 Utilization of KVK funds during the year 2020-21 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	69,00,000/-		
2	Traveling allowances	1,00,000/-	1,00,000/-	1,00,000/-
3	Contingencies			
A	OE	4,80,000/-		4,78,000/-
B	POL			
C	VT/TM/EXT. ACT./RY	3,60,000/-		3,62,000/-
D				
E	OFT	1,80,000/-		1,65,000/-
F	FLD	1,80,000/-		1,54,000/-
G	SCSP	3,00,000/-		1,74,000/-
H	Maintenance of building	1,00,000/-		
I				
J	HRD	30,000/-		

Sl. No.	Particulars	Sanctioned	Released	Expenditure
K	Swachhta Expenditure	-	-	-
TOTAL (A)		86,40,000/-	1,00,000/-	14,42,000/-
B. Non-Recurring Contingencies				
1	Library	10,000/-	10,000/-	10,000/-
2				
3				
4				
TOTAL (B)		10,000/-	10,000/-	10,000/-
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**86,50,000/-**	**20,000/-**	**14,52,000/-**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2017-18	Nil	92,126.00	30,567.00	1,200.00
2018-19	Nil	1,26,279.00	31,750.00	2,54,435.00
2019-20	1,04,435.00	3,09,854.00	52,535.00	1,12,409.00
2020-21	1,12,409.00	2,67,755.00	80,818.00	3,80,164.00

7.6. (i) Number of SHGs formed by KVKs : 02

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities: 02

(iii) Details of marketing channels created for the SHGs: through OLM and mission shakti groups

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
BPH awareness programme	3	Kharif	CDAO, Deogarh	ATMA	Both
Sweet orange field visit	2	Rabi	ADH, Deogarh	-	-
Locust management programme	1	Kharif	CDAO, ADH, Deogarh	-	-

8. Other information

8.1. Prevalent diseases in Crops

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

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru Yuva Kendra (NYK) Training :NA

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

9.2. *mKisan* Portal (National Farmers' Portal/ SMS Portal)

Type of message	No. of messages	No. of farmers covered
Crop	35	12572
Livestock	3	
Fishery	-	
Weather	2	
Marketing	2	
Awareness	5	
Training information	3	
Other	2	
Total	52	12572

9.3. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	3434
2.	No. of farmers registered in the portal	12572
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	32

9.4. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
07.01.20	Cleaning of demo units & garage
22.01.20	Community cleaning
10.02.20	Cleaning of administrative building
03.03.20	Cleaning of office campus
28.05.20	Community cleaning
16.06.20	Cleaning of office building
08.07.20	Cleaning of Agro polytechnic campus
13.08.20	Cleaning of office campus
08.09.20	Community cleaning
02.10.20	Cleaning of demo units & garage
20.11.20	Cleaning of office building
04.12.20	Cleaning of Agro polytechnic campus

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	1	200
2. Basic maintenance	2	300
3. Sanitation and SBM	1	400
4. Cleaning and beautification of surrounding areas	2	450
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	2	500
6. Used water for agriculture/ horticulture application	2	200
7. Swachhta Awareness at local level	-	
8. Swachhta Workshops	-	
9. Swachhta Pledge	-	
10. Display and Banner		
11. Foster healthy competition	-	
12. Involvement of print and electronic media	2	600
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	17	700
15. No of VIP/VVIPs involved in the activities	-	
16. Any other specific activity (in details)	-	
Total	**29**	**3350**

9.5. Observation of National Science day

Date of Observation	Activities undertaken
NA	

9.6. **Programme with Seema Suraksha Bal/ BSF**

Title of Programme	Date	No. of participants
NA		

9.7. Agriculture Knowledge in rural school

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

Give good quality 1-2 photograph(s)

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

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

9.9. Details of Swachhta Hi Sewa programme organized : Nil

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

9.10. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Celebration of Mahila Kisan Diwas	3	106	6	Smt. Jyoshnamayee Pradhan, Sarapanch, Lulang, Reamal

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

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1	Sri Gosain Minj	At- Kalchipodadihi, Po- Sodo, Dist.- Deogarh, PIN-768121	Product- Kharif tomato
2	Sri Maheswar Pradhan	At-Khajurianali, Po- Baghabar, Dist.- Deogarh, PIN-768109	Product- Fruits
3	Sri Debendra Dhal	At/po- Khilei, Dist.- Deogarh, PIN-768108	Integrated Farming System of 3.0 acres
4	Sri Purandar Mohanta	At - Hinjilita, Po- Balanda, Dist.-Deogarh, PIN-768110	Product- Field crops
5	Sri Babaji Behera	At - Kirtanapali, Po- Lulang, Dist.-Deogarh, PIN-768109	Vegetable cultivation

9.12. Revenue generation: Nil

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

9.13. Resource Generation:

Sl. No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1.	Sponsored training	9,65,000	Mission shakti		

9.14. Performance of Automatic Weather Station in KVK

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

9.15. Contingent crop planning

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

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

a) Year:
b) Introduction / General Information:

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

11. Details of TSP

a. Achievements of physical output under TSP during 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.)	

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

c. (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	

d. 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	Training	5
2	Extension personnel trained by KVKs	Training	3
3	On-farm trials conducted by KVKs	OFT	1
4	Frontline demonstrations conducted by KVKs	FLD	2
5	Quantity of seeds produced	Quintal	5.4
6	Planting materials Produced	Number	12000
7	Livestock strains and fingerlings produced	Number	-
8	Soil & water samples tested	Number	10

13. Information pertaining to ARYA Project : NA

2020-21							
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**	

14. Progress report of NICRA KVK (Technology Demonstration component) during the period : NA
(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

15. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Best farmer award in farmer fair 2020	Sri Pradeep Lakra	2020	OUAT		
2	Best farmer	Bala Gardnayak	2020	OUAT		
3	Best entrepreneur	Prabhash Mishra	2020	OUAT		

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

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

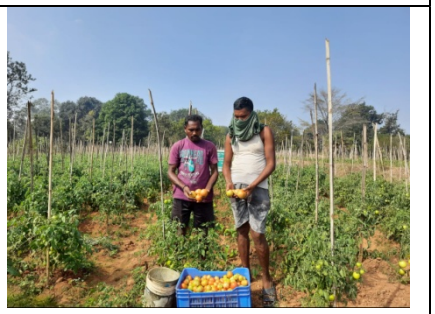
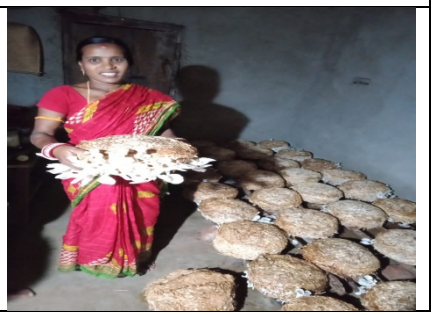
Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1	Silipathar Groundnut Agro-Producer Co. Pvt. Ltd		Dushila Pradhan, President, Adas Gram Panchayat, Block-Reamal, Dist-Deogarh	Groundnut cultivation	Groundnut	150	0.50	
2	Mandasuni Onion agro-producer co. Pvt. Ltd		Kamini Majhi, President, Adas Gram Panchayat, Block-Reamal, Dist-Deogarh	Onion cultivation	Onion	150	0.50	

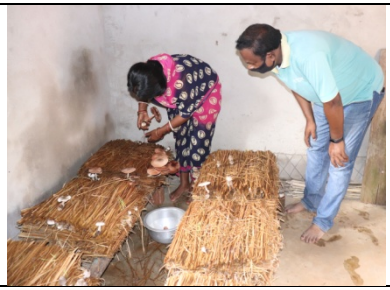
18. Integrated Farming System (IFS)

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

19.Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3-5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	Integrated crop management in tomato	Off-season tomato cultivation (variety-Lakhmi-hybrid). New variety introduced-Arka Rakshak, Arka Samrat-Wilt resistant 2. Raising seedling in poly tunnel followed by poly potting for better growth and reduce Mortality. 3. Staking of plants 4. Management of wilting by soil drenching in nursery and seedling treatment with (Metalyxyl 8% + mancozeb 64%) + Streptocycline). 5. STB application of fertilizer including micronutrients in medium land rice.	2,05,000.00	34	
2	Oyster mushroom cultivation	Oyster mushroom cultivation.	2200.00	5	

3	Introduction of new paddy variety	1. Varietal substitution of Khandagiri with Sahabhagidhan. 2. STB application of fertilizer including micronutrients, weed management in medium and low land rice.	45,000.00	8	

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

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

21. Information on Visit of VIPs to KVKs, if any: Nil

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

22.a) Information on ASCI Skill Development Training Programme, if undertaken during 2019-20 and 2020-21

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2019-20	Nursery worker	Sadhana Swastika	27.01.2020	20.02.2020	20	Y	1,80,000/-
	Mushroom grower	Laba Soren	24.02.2020	19.03.2020	20	Y	1,80,000/-

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2020-21

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

23. Information on NARI Project (if applicable): NA

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

24. Information on Krishi Kalyan Abhiyan Phase- I/ Phase-II/ Phase-III, if applicable

Krishi Kalyan Abhiyan- I and II: **NA**

A. Training

Name of programme	*No. of programmes*	*No. of farmers benefitted*									*No. of officials attended the programme*
		SC		**ST**		**Others**		**Total**			
		M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**	
KKA-I											
KKA-II											

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

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

C. Livestock and Fishery related activities

Name of programme	*No. of Programme*	*Activities performed*				*No. of farmers benefited*									*No. of other officials (except KVK) attended the programme*
		No. of animals vaccinated	*No. of animals dewormed*	*Feed/ nutrient supplements provided (kg)*	*Any other (Distribution of animals/ birds/ fingerlings) [No.]*	*SC*		*ST*		*Others*		*Total*			
						M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*T*	
KKA-I															
KKA-II															

D. Other activities

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

Krishi Kalyan Abhiyan- III

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	

25. Nutri-garden

Sl.no.	Name of KVK	Established in KVK Campus	No. of nutria-garden established in the village	Major vegetables production
1	Deogarh	Yes	Kirtanpali-8, Kundapitha-5, Tarang-6, Mahasindhu-4,Chingudijharan-6	Tomato, brinjal, cauliflower, leafy vegetable, coriander, radish, carrot, onion, okra

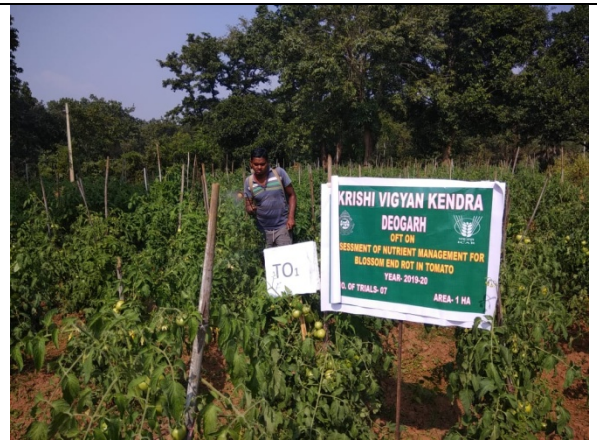
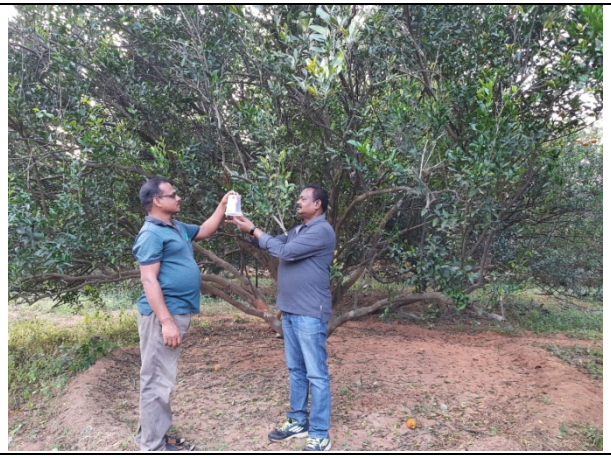
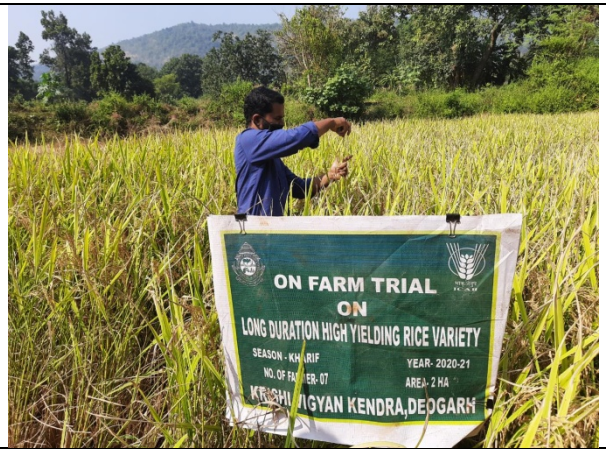
Please provide one or two good quality photographs

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

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

27. Good quality action photographs of overall achievements of KVK during the year (best 10)

Photographs

<table>
<tr><td> 
</td><td>  </td></tr>
<tr><td>Assessment of nutrient management blossom and rot in tomato</td><td>IPM module for management of fruit socking moth in sweet orange</td></tr>
<tr><td> 
</td><td>  </td></tr>
<tr><td>Assessment of long duration high yielding rice variety</td><td>Assessment on different types of trellis in tomato</td></tr>
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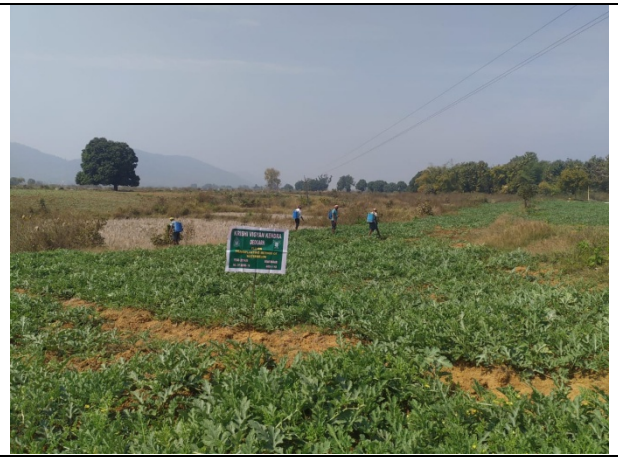
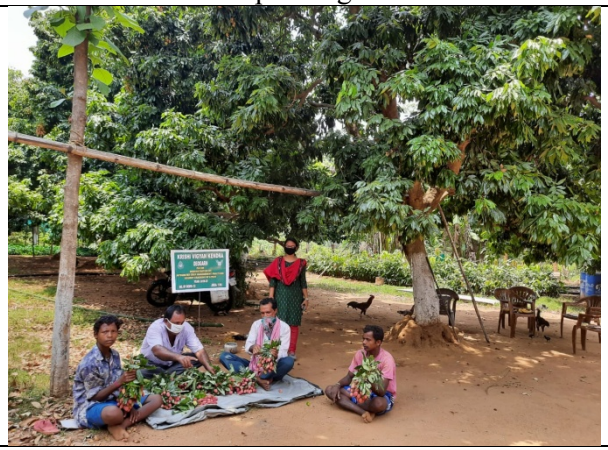
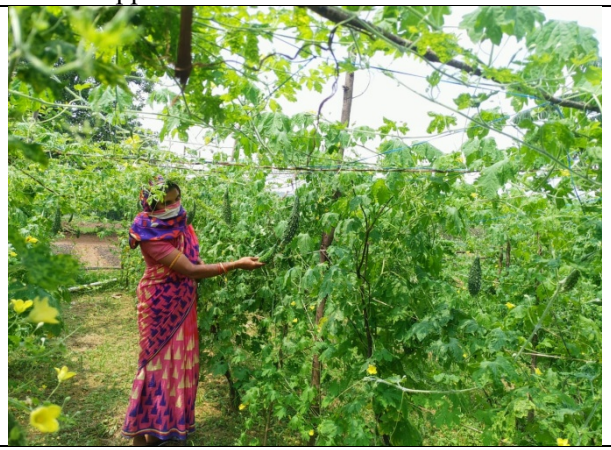
	
Demonstration on transplanting method of watermelon	Application of AMC in cauliflower
	
Integrated crop management practices against cracking of litchi	Demonstration of trellis system in bittergourd

	
Management of Anthracnose disease in chilli	Growing kharif onion variety Agri found dark red

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**	**Number**	Q-1 - 2 Q-2 - 2 Q-3 Q-4	Q-1-2 Q-2-2 Q-3 Q-4	Q-1-60 Q-2-60 Q-3 Q-4	
2	**Extension personnel trained by KVKs**	**Number**	Q-1 -1 Q-2 -1 Q-3 Q-4	Q-1-1 Q-2-1 Q-3 Q-4	Q-1 - 10 Q-2 - 10 Q-3 Q-4	
3	**On-farm trials conducted by KVKs**	**Number**	Q-1- 1 Q-2- 1 Q-3 Q-4	Q-1-1 Q-2-1 Q-3 Q-4	Q-1-7 Q-2-7 Q-3 Q-4	
4	**Frontline demonstrations conducted by KVKs**	**Number**	Q-1-2 Q-2-2	Q-1 - 2 Q-2 - 2	Q-1-20 Q-2 -20	

Sl. No.	Indicator/Activities	Unit of Indicator	Quarterly Breakup (Target)	Targets Achieved	No. of Beneficiaries	Outcome
			Q-3 Q-4	Q-3 Q-4	Q-3 Q-4	
5	**Quantity of seeds produced**	**Quintal**	Q-1 Q-2 Q-3 – 5.4 Q-4	Q-1- Q-2 Q-3-5.4 Q-4	Q-1 Q-2 Q-3-36 Q-4	
6	**Planting materials Produced**	**Number**	Q-1 - 2000 Q-2 - 2000 Q-3 - 1000 Q-4	Q-1 - 4000 Q-2 - 4000 Q-3 - 2000 Q-4	Q-1 98 Q-2 100 Q-3 50 Q-4	
7	**Livestock strains and fingerlings 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	
8	**Soil & water samples tested**	**Number**	Q-1 - 15 Q-2 - 15 Q-3 Q-4	Q-1-15 Q-2 -15 Q-3 Q-4	Q-1 110 Q-2 115 Q-3 Q-4	