PROFORMA FOR ANNUAL REPORT-2022 (January-December 2022

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
At-Paljhar, P.O.-Salunki, Dist-Boudh, Pin-762026	-	-	kvkboudh.ouat@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Orissa University of Agriculture & Technology, Bhubaneswar-751003	0674-2397970	0674-2397780	http://ouat.nic.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Sri Tapan Kumar Das	At-KVK Campus, Paljhar, Boudh-762026	8249001807	tapandasouat@gmail.com

1.4. Year of sanction of KVK:Year of sanction of KVK:Krishi Vigyan Kendra, Boudh was established by ICAR in 01.07.2005 under the control of Orissa University of Agriculture and Technology at Paljhar farm. Boudh district is bounded by River Mahanadi & Angul District to the north, Kandhamal District to the south, Nayagarh District to the east and River Tel & Subarnapur District to the west, covering a geographical area of 3098 sq km, the district lies between 20^0 22' N to 20^0 50' North Latitude and 83^0 34'E to $84^0$49' East Longitude.

1.5. Staff Position (**as on 1st January, 2022**)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Tapan Kumar Das	Sr. Scientist & Head	Plant Protection	79,800	04/06/2021	Temporary	Others
2	Subject Matter Specialist	Sasmita Priyadarshini	SMS(Agronomy)	Agronomy	63,100	12/06/2018	Temporary	SC
3	Subject Matter Specialist	Mayuri Sing Sardar	SMS (Agril.Extn.)	Agril.Extn	63,100	31/07/2018	Temporary	ST
4	Subject Matter Specialist	Vacant	-	-	-	-	-	-
5	Subject Matter Specialist	Vacant	-	-	-	-	-	-
6	Subject Matter Specialist	Vacant	-	-	-	-	-	-
7	Subject Matter Specialist	Vacant	-	-	-	-	-	-
8	Programme Assistant	Bikram Kesari Parimanik	Prog.Asst (Forestry)	Forestry	56,900	09/06/2021	Temporary	Others
9	Computer Programmer	Md. Sadakat Ali	Prog.Asst (Computer)	-	56,900	28/12/2010	Temporary	Others
10	Farm Manager	Harapriya Sethy	Farm Manager	Horticulture	43,600	03/02/2015	Temporary	SC
11	Accountant / Superintendent	Vacant	Accountant / superintendent	-	-	-	-	-
12	Stenographer	B. K. Behera	Stenographer	-	41,000	16/01/2006	Temporary	SC
13	Driver	Trinath Sahoo	Driver	-	27,600	07/09/2015	Temporary	Others
14	Driver	G.S.Choudhury	Driver	-	27,600	15/11/2013	Temporary	Others
15	Supporting staff	Bhima Baral	Supporting staff	-	25,000	20/12/2007	Temporary	Others
16	Supporting staff	Vacant	-	-	-	-	-	-

1.6. Total land with KVK (in ha)

S. No.	Item	Area (ha)
1	Cultivable Land i) High Land: 3.0 ii) Medium Land: 1.00	4.0
2.	Uneven Hilly & Degraded Forest	9.15
3.	Canal and Road	1.2
4.	KVK Campus Area	1.6
5.	Agro-Polytechnic campus	2.15
6	Diverted by Tahasildar Boudh for establishment of skill development centre & PHC Baghiapada	1.9
	Total	**20.00**

:

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building	-	-	-	-	Yes	-	Use	ICAR
2.	Farmers Hostel	-	-	-	-	Yes	-	Use	ICAR
3.	Staff Quarters (6)	-	-	-	-	Yes	-	Use	ICAR
4.	Piggery unit	-	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-	-
6	Rain Water harvesting structure	-	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-	-
8	Farm godown	Yes	-	-	-	-	-	-	ICAR
9.	Dairy unit	-	-	-	-	-	-	-	-
10.	Poultry unit	-	-	-	-	Yes	-	Use	RKVY
11.	Goatary unit	-	-	-	-	-	-	-	-
12.	Mushroom Lab	-	-	-	-	Yes	-	Use	ICAR

13.	Mushroom production unit	-	-	-	-	Yes	-	Use	ICAR
14.	Shade house	-	-	-	-	Yes	-	Use	ICAR
15.	Soil test Lab	-	-	-	-	Yes	-	Use	ICAR
16	Duckery unit	-	-	-	-	Yes	-	Use	ICAR

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
TATA SUMO	2005-06	3,84,042	200000	Condemned
Tractor	2005-06	4,34,088	85000	Condemned
Motor cycle	2009-10	49,965	62000	Running Condition
Bolero	2019-20	8,00,000	-	Newly purchased
Tractor	2022-23	7,50,000	-	Newly purchased

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
b. Farm machinery				
c. AV Aids				
i. Television (Philips)	31.3.2007	11,200	Good condition	ICAR
ii. Camera (Sony)	31.3.2007	9,900	Good condition	ICAR
iii. Camera (Sony)	31.3.2008	9,490	Good condition	ICAR
iv. Handy cam (Sony)	31.3.2012	24,700	Good condition	ICAR
v. GPS Camera	31.3.2016	22,500	Good condition	ICAR
vi. Camera	31.3.2018	10,169	Good condition	ICAR
vii. LED TV	31.3.2018	50,000	Good condition	ICAR

viii. LCD Projector	15.01.2010	86,000	Good condition	ICAR
ix. Picco Projector	31.3.2017	20,000	Good condition	ICAR
x. Ahuja Complier	31.3.2010	9,450	Good condition	ICAR
xi. Ahuja speaker Box	31.3.2010	7,300	Good condition	ICAR
xii. Ahuja codeless phone	31.3.2010	2,350	Good condition	ICAR
xiii. Ahuja stand mic phone	31.3.2010	1,740	Good condition	ICAR
xiv. Ahuja micro phone stand	31.3.2010	1,500	Good condition	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
i. Rotavetor	31.3.2012	30,000	Good condition	ICAR
ii. MC Thresher cum Fan type winner	31.3.2012	20,000	Good condition	ICAR
iii. Aspee power sprayer	31.3.2016	7,865	Good condition	ICAR
iv. M.B.Plough	31.3.2016	30,500	Good condition	ICAR
v. 9 type cultivators	31.3.2016	25,500	Good condition	ICAR
vi. Aspee Arush cutter	31.3.2016	25,300	Good condition	ICAR
vii. Weeder (Dry land)	31.3.2017	35,801	Good condition	ICAR
viii. Agrimate power mist blower	31.3.2017	8,400	Good condition	ICAR
ix. KNAPSM type battery operated sprayer	31.3.2017	4,410	Good condition	ICAR

1.8. Details SAC meeting* conducted in the year 2022-23

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	15.11.2022	36 Nos	➢ Spawn production to be increased	➢ 1000 nos. of spawn production have been done in kharif season-2022.	-
			➢ Mushroom production to be promoted in convergence mode.	➢ Training program on Mushroom production in scientific way have been conducted in convergence mode with dept. of horticulture.	

			➢ Early season cabbage, and cauliflower to be introduced.	➢ Early season cabbage (var. Blue diamond), cauliflower (var. white marble, Barkha) have been distributed to the farmers under SCSP scheme during kharif 2022.	
			➢ Training to be organized related to watershed activities.	➢ 2 nos. of awareness cum training programme have been conducted in Kulutakhali, Lundaberuni and Lundrujhor village under the theme "Jal Shakti Abhiyaan"	
			➢ Newly HY onion varieties to be included.	➢ 1 no. of OFT has been taken during Rabi season on Assessment of Onion Varieties of Rabi Season	
			➢ FLD on use of proper insecticide on cotton to be promoted	➢ 1 no.of FLD on Management of sucking pest in cotton has been conducted during kharif 2022-23	
			➢ Awareness on use of Balanced dose of fertilizer to be included	➢ Awareness campaign on Balanced Use of Fertilizer has been conducted with 50 nos. of farmers and farm-women. ➢ 2 nos. of training programme have been conducted on INM in Paddy at Kulutakhali and Lundrujhor village.	
			➢ Training on different field crops and vegetables at Harbhanga and Kantamal blocks	➢ Training on different field crops and vegetable has been conducted in Dhalpur village of Harbhanga block and village of Kantamal block	
			➢ New HY Paddy varieties to be taken in OFT or FLD to replace Pooja variety.	➢ HY paddy varieties CR-317, CR-319 have been taken in OFT during kharif 2022.	
			➢ Training to SHGs in collaboration with KVK (All agriculture and allied)	➢ Training programme has been given to the WSHGs members for their capacity building.	

			➢ Awareness on onion and watermelon production.	➢ Capacity Building Training Programme on Kharif Onion Cultivation with Dept. of Horticulture in convergence mode. Awareness camp on watermelon production to be conducted in Rabi season-2022-23.	
			➢ High value vegetable such as capsicum, red cabbage, Broccoli to be promoted.	➢ High value vegetable such as capsicum (var. Fiza), Red cabbage (var. red jewel), Broccoli has been promoted in crop cafeteria of KVK, Boudh.	
			➢ OFT on use of micro-nutrient in vegetable such as cauliflower and Tomato.	➢ One no. of FLD demonstration on Micronutrients on growth and yield of cauliflower has been taken in Rabi season.	
			➢ LAC to be promoted	➢ 1no. of FLD on Demonstration of Lac Culture to be conducted in Rabi season.	
			➢ Awareness on organic farming to be included.	➢ 5 nos. of Awareness camp on Organic farming, Natural farming, and 1 no. of vocational training programme on vermicompost production to the WSHGs members and rural youth have been conducted in KVK, Boudh during Kharif -2022.	
			➢ Suitable varieties (Pulse or Oilseed Crops) after immediate paddy to be promoted.	➢ Suitable pigeon pea variety LRG- 52, and Sesame variety Smarak have been promoted immediate after paddy under CFLD programme.	

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

List of participants present in the Rabi 19th SAC meeting with their address and status in the meeting.

Sl. No	Designation &Address	Status
1	Hon'ble Vice-Chancellor, OUAT, BBSR	Chairman
2	Dean Extension Education, OUAT, BBSR	Conduct the meeting
3	Joint Director, Extension Education, OUAT, BBSR	Member
4	Director, ATARI, Kolkata	Member
5	Director, CHES, IIHR, BBSR	Member
6	Principal Scientist, IIWM, BBSR	Member
7	ADR, RRTTS, Chiplima Sambalpur	Member
8	DDF,Bolangir	Member
9	CDAO, Boudh	Member
10	CDVO,Boudh	Member
11	DFO, Boudh	Member
12	AFO,Boudh	Member
13	ADH, Boudh	Member
14	PD, Watershed	Member
15	Dy. Director of NHRDF,Boudh	Member
16	DDM,NABARD,Boudh	Member
17	DSWO, Boudh	Member
18	DPC, Boudh	Member
19	DAO,Boudh	Member
20	DM,OAIC,Boudh	Member
21	ZM, OSSC, Ltd., Boudh	Member
22	SCO, OSSOPCA, Bolangir	Member
23	GM,DIC,Boudh	Member
24	Secretary RMC,Boudh	Member

25	Director, RSETI,Boudh	Member
26	Lead Bank Manager, Boudh	Member
27	Executive Engineer, OLIC,Boudh	Member
28	Sr.Scientist & Head, KVK, Angul	Special Invitee
29	Sr.Scientist & Head, KVK, Sonepur	Special Invitee
30	Sr.Scientist & Head, KVK, Kandhamal	Special Invitee
31	Representative Doordarshan/AIR	Member
32	Progressive Farmer	Member
33	Progressive Farmer	Member
34	Progressive Farmer	Member
35	Progressive Farmer	Member
36	Sr.Scientist & Head, KVK, Boudh	Member-Secretary

2.a. District-level data on agriculture, livestock, and farming situation (2022)

Sl. no.	Item	Information	
1	Major Farming system/enterprise	Rice-pulses, Rice Oilseeds, Rice-rice, Rice-Vegetables, Sugarcane, Cotton, Goatery, Diary	
2	Agro-climatic Zone	Western Central Tableland	
3	Agroecological situation	Hot to sub-humid	
4	Soil type	The black soil, Mixed red & Black, Red soil	
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Green gram	4.92
		Black gram	4.50
		Pigeonpea	7.32
		Sesamum	4.01
		Green gram	4.92
6	Mean yearly temperature, rainfall, humidity of the district	A mean maximum summer temperature 48.5° centigrade and mean winter temperature 9.5° centigrade.	
7	Production of major livestock products like milk, egg,	Milk	25.13 (000 MT)

	meat etc.	Egg	14.59 (Mill No)
		Meat	2468.65 (M.T)
		Fish (Fresh water)	5167.60 (in MT)
		Egg	14.59 (Mill No)

Note: Please give recent data only

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

Name of village	**Block**	**Action taken for development**
Rampur	Boudh	Training, OFT (PP), OFT(Hort), FLD
Isirisinga	Boudh	Training, OFT (PP), OFT(Hort), FLD,
Amthapada	Boudh	Training, OFT (PP), OFT(Hort), FLD, Module Activity-1
Palaspat	Boudh	Training, OFT (PP), OFT(Hort), FLD
Lambakani	Harbhanga	Training, OFT (PP), CFLD Activity, Module Activity-2

2. c. Details of village adoption program:

Name of the villages adopted by PC and SMS (2022) for its development and action plan: The villages that have been adopted by PC and SMS are Rampur, Issirisinga, Amthapada, Palasand pat, Lambakani.

The Village Adoption study provides an opportunity to understand the factors that are responsible for under-development in a village, despite plethora of programmes/schemes in vogue. They also get familiar with the interventions, participatory interaction, understanding the prevailing situation, mobilization of community, initiating participatory processes, establishing linkages among line departments etc. which are likely to strengthen the process of development and ensure poverty reduction and strengthen natural resources management. The process of Village Adoption is thus an experimentation and involvement of KVK scientists to drive the process of development in a selected village. Given the emphasis on involvement of KVK scientist at grass-root level by adopting specific village, preferably from back-ward area, as well as keeping the experience of the first phase of Village Adoption studies, it is felt necessary to draw a frame-work while undertaking this category of studies. Consequently, the broad guidelines are evolved.

Selection of villages: The criteria for selecting the village is its backwardness in terms of accessing government sponsored development/welfare programmes etc. Hence, while selecting the villages KVK scientist concerned may access the statistical profile of the Block. The statistical profile may be based on demographic profile, agriculture production, land-use pattern, incidence of basic amenities, incidence of weaker sections, agriculture and allied sector, performance in implementation of welfare/development programmes etc. - One of the villages among the lowest rung based on statistical profile may be selected for the study keeping in view the logistical advantages of access, travel time from headquarters etc.

Preparatory steps before the first visit:

The KVK scientist first compiles secondary information of the village, people, customs, natural resources, and GIS maps. Voluntary persons/organizations involved in the area, GPDP Plan of the Panchayat/villages, panchayats functionaries, along with contact details etc.

Matrix Ranking: It is used to identify their interest and perceptions This may environment-related aspects like agricultural pattern, dry land cultivation, etc. This method helps to identify the observation of the village people.

Social Mapping: To focus on the depiction of habitation patterns and the nature of housing and social infrastructure: roads, drainage systems, schools, drinking water facilities, etc. social mapping has been done.

The major techniques KVK Scientist used for village adoption Programme are Community mapping, transect walks, focus group discussions, gender role analysis, use of drawings, posters, role-play, etc. The main work was done as below:

- ✓ Village Selection Criteria.
- ✓ Defining Scope of Development.
- ✓ Initial Assessment & Benchmarking.
- ✓ Identifying Problems.
- ✓ Identifying Sectoral Needs.
- ✓ Village Resource Mapping.

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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	Boudh	Boudh	Amthapada	Paddy Pigeonpea Onion Vegetable Goatery	Paddy- Stem borer, Swarming caterpillar & incidence of Blast, Bacterial. Leaf blight in paddy, Pigeon pea- Aphids, Thrips &YMV infection in Pulses Onion- Lack of knowledge about improved varieties, and their seed/planting material.	Drought tolerant variety Short duration, Pod borer damage, non-availability of market information
2.	Boudh	Boudh	Rampur	Paddy, Green gram, Pigeon pea, Mango, Banana, Papaya, Vegetable, etc. Fishery, Goatery, Dairy	Paddy- Stem borer, Swarming caterpillar & incidence of Blast, Bacterial. Leaf blight in paddy Pulses- Aphids, Thrips &YMV infection in Pulses Vegetables-weed management, Flower drop problem, fewer nos. of fruit set	Pest and disease management, Inadequate transportation facilities
3.	Boudh	Boudh	Issirisinga	Paddy, Green gram, Black gram, Onion etc. Goatery, Dairy,	Paddy- Stem borer, Swarming caterpillar & incidence of Blast, Bacterial. Leaf blight in paddy Pulses- Aphids, Thrips &YMV infection in Pulses	Pest and disease management, weed management, inadequate

				Poultry	Onion-Lack of knowledge about the control measures for various pests and diseases and improved storage structure.	transportation facilities
4.	Boudh	Boudh	Palaspat	Paddy, Green gram, black gram, pigeon pea, Tomato, Brinjal, Onion Goatery, Dairy, Poultry	Paddy- Stem borer, Swarming caterpillar & incidence of Blast, Bacterial. Leaf blight in paddy Pulses- Aphids, Thrips &YMV infection in Pulses Tomato-Wilt in tomato Brinjal-Fruit and shoot borer Onion: High charges for transportation	Pest and disease management, weed management, inadequate transportation facilities
5.	Boudh	Boudh	Lambakani	Paddy, Green gram, Horse gram, Black gram, Watermelon, Onion Fishery, Goatery, Dairy, Poultry	Paddy- Stem borer, Swarming caterpillar & incidence of Blast, Bacterial. Leaf blight in paddy Pulses- Aphids, Thrips &YMV infection in Pulses Watermelon-Knowledge in Planting technique.	Pest and disease management, non-availability of market information.

2.1 Priority thrust areas

S. No	Thrust area
1.	Crop diversification and varietal substitution
2.	Integrated Nutrient Management practices in crops
3.	Acid soil reclamation
4.	Integrated Pest & Disease Management
5.	Improving productivity of horticultural crops
6.	Farm mechanization, post-harvest and soil and water conservation
7.	Drudgery reduction
8.	Scientific management of Goatery, Apiary, Fishery & Dairy
9.	Organic farming
10.	Post-Harvest Management and Value Addition
11.	Soil and Water Conservation
12.	Organic farming-use of vermicompost, Azolla, and biofertilizer

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
7	7	49	3	-	7	2	30	7	40	9	49	13	13	130	4	-	21	10	81	14	106	24	130

Training											Extension activities										
Number of Courses		Number of Participants									Number of activities		Number of participants								
Target	Achievement	Target	Achievement								Target	Achievement	Target	Achievement							
			SC		ST		Others		Total					SC		ST		Others		Total	
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
50	34	1250	68	-	191	-	591	-	850	-	850	500	431	50000	221	198	752	658	33000	740	33973	1596	35569

Impact of capacity building											Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
10.0	6.0	500000	428070

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
-	-	200	150

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Book/ Booklet	03	1500	-	-	-	-	-
Leaflets	05	2000	-	-	-	-	-
Poster/Flex	19	19	-	-	-	-	-
News letter	01	500	-	-	-	-	-
Newspaper Coverage	08	Mass	-	-	-	-	-
Popular Articles	-	-	-	-	-	-	-
Technical bulletins	04	15	-	-	-	-	-
Technical report	06	30	-	-	-	-	-
Training material	01	125	-	-	-	-	-
Year planner	01	20	-	-	-	-	-
CDs/ DVDs	08	200	-	-	-	-	-
Total	**48**	**3284**	-	-	-	-	-

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On Farm Trial	Assessment of weed management in maize
2.	Problem diagnosed	Low yield in maize due to heavy weed infestation.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT-2020-21
5.	Production system and thematic area	Rainfed Upland
6.	Performance of the Technology with performance indicators	Cost of Intervention, Additional income over Additional cost, Yield per ha, B:C Ratio.
7.	Final recommendation for micro level situation	TO2- Appliation of Atrazine@ 1.5 kga.i/ha as pre-emergence followed by Tembotrine@120 g/ha as post-emergence at 25 DAS
8.	Constraints identified and feedback for research	TO1: Pre-emergence application of Atrazine 50 % wp @1.5 kg ai/ha., control weeds. TO2: Appliation of Atrazine@ 1.5 kga.i/ha as pre-emergence followed by Tembotrine@120 g/ha as post-emergence at 25 DAS
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table:

Technology option	No. of trials	Yield component		Disease/ insect pest incidence (%)		Grain Yield	Cost of cultivation (Rs. /ha)	Gross return (Rs/ha)	Net return (Rs. /ha)	BC ratio
		% change in Yield	Test wt. (100 grain wt.)		**Weed density(No./m2)**					
FP	07	-	30.9	-	16.14	40.4	25,000	79,264	54,265	2.17
TO1		30.3	34.7	-	11.42	52.65	22,000	1,03,201	78,201	3.12
TO2		44.2	36.2	-	7.14	58.57	22,000	1,14,777	92,777	3.59

OFT-2

1.	Title of On Farm Trial	Assessment of Medium duration High Yielding Rice varieties
2.	Problem diagnosed	Low yield in medium land transplanted rice due to use of old variety.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NRRI-2021
5.	Production system and thematic area	Medium ,Irrigated Land
6.	Performance of the Technology with performance indicators	Cost of Intervention,Additional income over Additional cost, Yield per ha,B:C Ratio.
7.	Final recommendation for micro level situation	TO1- Cultivation of HY Rice variety-CR-317 TO2-Cultivation of HY Rice variety-CR-319
8.	Constraints identified and feedback for research	CR-317: Irrigated, Resistant to BPH, tolerant to leaf folder, Gundi bug, WBPH, Duration: 135-140 days. CR-319: Irrigated tolerated to Stem borer, Leaf folder, BPH etc.
9.	Process of farmers participation and their reaction	Farmers are appreciated

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 tillers of Plants	% change in Yield	Test wt. (100 grain wt.)						
FP	07	9.81	-	-	-	40.02	35,000	83,540	48,540	1.3
TO1		11.42	10.9	-	-	44.6	33,000	93,200	58,200	1.6
TO2		14.85	26.93	-	-	50.8	32,500	1,01,600	71,600	2.04

OFT-3

1.	Title of On Farm Trial	Assessment of Onion Varieties of Rabi Season
2.	Problem diagnosed	Low yield due to Unavailability of Suitable variety.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	SO3666 (E)-2016 (Notification Variety)
5.	Production system and thematic area	Rainfed Upland
6.	Performance of the Technology with performance indicators	Cost of Intervention,Additional income over Additional cost, Yield per ha,B:C Ratio.
7.	Final recommendation for micro level situation	TO1-Cultivation of Onion variety: NHRDF Red-3 TO2- Cultivation of Onion variety: NHRDF Red-4
8.	Constraints identified and feedback for research	NHRDF Red-3: Bulbs are light bronze color, globular round shape,bulb diameter 5.5-6.0 cm. Bulb mature in 120-130 days after transplanting. NHRDF Red-4: Bulb are dark red in colour globular round in shape,thin neck and 5.5-6.25 cm in diameter.Bulb matures in 110-120 days after transplanting. Keeping quality is also good.
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table:

Technology option	No. of trials	Yield component			(%) change in yield	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Bulb wt in Gram	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	07	107.85	-	-	-	204	1,10,000	3,06,000	1,76,000	2.3
TO1		158	-	-	16	247	1,30,000	2,40,000	2,40,000	2.8
TO2		132	-	-	21	238	1,30,000	3,57,000	2,27,000	2.7

OFT-4

1.	Title of On Farm Trial	Assessment of combined insecticides for management of major insect pest of rice
2.	Problem diagnosed	Severe grain yield loss due to stem borer and Brown plant hopper, LF, gall midge infestation. Old insecticides are becoming obsolete
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	RRTTS,BBSR,OUAT-2017
5.	Production system and thematic area	Low land irrigated, Rice –Rice cropping pattern
6.	Performance of the Technology with performance indicators	Cost of Intervention, Additional Income over additional Investment Yield (q/ha). B:C Ratio and farmer feedback.
7.	Final recommendation for micro level situation	TO-1- Application of Flubendiamide240 SC + Thiacloprid 240 SC (Belt Expert) @ 300 ml/ha twice i.e. at Tillering & P.I. stage for management of rice stem borer, gall midge, leaf-folder and BPH TO-2- Application of Ethiprole 40% + Imidacloprid 40% (Glamore) @ 125 g/ha twice i.e. at Tillering & P.I. stage for management of rice stem borer, gall midge, leaf-folder and BPH
8.	Constraints identified and feedback for research	Application of Flubendiamide240 SC + Thiacloprid 240 SC (Belt Expert) @ 300 ml/ha twice i.e. at Tillering & P.I. stage for management of rice stem borer, gall midge, leaf-folder and BPH Application of Ethiprole 40% + Imidacloprid 40% (Glamore) @ 125 g/ha twice i.e. at Tillering & P.I. stage for management of rice stem borer, gall midge, leaf-folder and BPH
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table:

Technology option	No. of trials	Yield component			% change in Yield	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		% of dead hearts	% of white ear heads.	No. of Damaged Plant/m2						
FP	07	5	7	4		34.5	30,000	69,000	39,000	1.8
TO1		0	3	1	18.8	42.5	33,000	85,000	52,000	2.57
TO2		1	0	0	19.3	42.8	33,000	85,000	52,600	2.59

OFT-5

1.	Title of On Farm Trial	Assessment of IDM in Bacterial Leaf Blight in rice
2.	Problem diagnosed	Low yield due to severe BLB
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TNAU Agr i portal 2015 Annual report, OUAT, 2016-17
5.	Production system and thematic area	Irrigated Medium land
6.	Performance of the Technology with performance indicators	Yield (q/ha), Net return (Rs/ha), B:C ratio
7.	Final recommendation for micro level situation	TO1- Seed treatment with bleaching powder @ 10g/l/ kg seed + Zinc sulfate @ 2%, spraying of Streptocycline @ 300 ppm + COC @ 0.3% during disease appearance TO2- Seed treatment with bleaching powder @ 10g/l/ kg seed + Zinc sulfate @ 2%, spraying of Streptocycline @ 300 ppm + COC @ 0.3% during disease appearance

8.	Constraints identified and feedback for research	TO1: Bleaching powder is a broad spectrum contact bactericide which cause lysis of bacterial cells when it comes in contact, Streptocyline is a broad spectrum systemic bactericide inhibit the murien synthesis in bacterial cell wall and ultimately kill the cells, Copper oxychloride is a broad spectrum contact bactericide causes lysis of bacterial cells by breaking the cell wall of bacterial cells. TO2: *Pseudomonas flourescens* is an antagonistic agent against bacteria, which can be employed as PGPR which induces Induced Systemic Resistance , Streptocyline is a broad spectrum systemic bactericide inhibit the murien synthesis in bacterial cell wall and ultimately kill the cells, Copper oxychloride is a broad spectrum contact bactericide causes lysis of bacterial cells by breaking the cell wall of bacterial cells.
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs. /ha)	Gross return (Rs/ha)	Net return (Rs. /ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	07	16	150	20	27	34	30,000	70,000	40,000	2.3
TO1		21	220	22.5	5	44.5	33,000	89,000	56,000	2.6
TO2		26	195	22	7	43.0	33,000	86,000	53,000	2.7

OFT-6

1.	Title of On Farm Trial	Assessment of effectiveness of different extension methodologies on Paddy Production
2.	Problem diagnosed	Lack of technical knowledge gain among the farmers
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NRRI, Cuttack.2015
5.	Production system and thematic area	Rainfed, medium land
6.	Performance of the Technology with performance indicators	Yield, % change in yield & B.C. Ratio
7.	Final recommendation for micro-level situation	TO1- Farmers getting information through peer group, input dealers,extension functionaries TO2- FP+ Short Video Lecture+Focus Group discussion TO3- FP+ Using of"riceXpert" App.
8.	Constraints identified and feedback for research	TO1: Delivering need based technology through Video lecture followed by and group discussion. TO2: Providing information to farmers in real time on insect pests, nutrients, weeds, nematodes and disease-related problems, rice varieties for different ecologies, farm implements for different field and post-harvest operations
9.	Process of farmers participation and their reaction	Farmers are appreciated

Table:

Results	Understanding of messages			Time based information			Suitability of technology			Increase in Knowledge			User friendliness		
	HU	PU	LU	T	U	NT	FA	PA	NA	A	D	U	MA	AP	LA
FP	5	20	8	3	12	18	5	8	18	6	4	20	6	8	17
TO-1	12	18	4	7	9	20	8	18	6	15	6	10	10	12	14
TO-2	18	11	4	28	2	2	18	12	3	21	8	3	24	7	3

HU: Highly understanding, PU: Partially understanding, LU: Less understanding
T: Timely, U: Undecided, NT-Not timely
FA: Fully Applicable, PA: Partially applicable, NT: Not applicable
A: Agree, D: Disagree, U: Undecided
MA: Most appropriate, AP: Appropriate, LA: Less Appropriate

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1	Paddy	Varietal Evaluation	CR-Dhan-310: Medium Duration - 125-130 Days, Semi-dwarf plant-110cm with medium slender and good grain quality ,yield-4.5 t/ha, & contain 10.2 % Protein	1.0	1.0	-	-	-	-	10	-	10	-	10	-
2	Paddy	Nutrient Management	Application of BLUE GREEN ALGAE @ 10kg/ha. Dry BGA to broadcast 5-7 DAT at 3-5 cm standing water + 75% of RDF.	1.0	1.0	-	-	-	-	10	-	10	-	10	-
3	Paddy	Weed	Pre-emergence application of pretilachlor 6% + bensulfuron	1.0	1.0	-	-	-	-	10	-	10	-	10	-

		management	methyl 0.6 % GR(Ready mix) 600g/ha at 3 DAT fb post emergence application of Bispyribac Sodium 10 EC 25g/ha at 20 DAT													
4	Maize	Varietal Evaluation	Suitable for kharif season Av. yield: 79.5 q/ha, duration: 92 days, resistant to rust, downy mildew, charcoal rot fusarium stalk and tolerant to drought.	1.0	1.0	-	-	-	-	10	-	10	-	10	-
5	Chilli	Integrated Nutrient Management	Spray of Triacontanol @ 1.25ml/liter at 40 , 60 and 80th days of planting reduce flower drop and increased fruit set	1.0	1.0	-	-	-	-	10	-	10	-	10	-
6	Cauliflower	Integrated Nutrient Management	Application of combined spray of B 50 ppm+ Mo 25 PPM thrice at 10 days interval	1.0	1.0	-	-	-	-	10	-	10	-	10	-
7	Bittergourd	Integrated Nutrient Management	Foliar application of ethrel @ 200 ppm at 2 to 4 leaf stage & aminoacid during flowring stage increase no. of fruits / plant and yield.	1.0	1.0	-	-	-	-	10	-	10	-	10	-
8	Onion	Integrated Disease Management	Need based alternate spray of Methomyl @ 0.8g/l at 30 DAT (with spreader @ 0.5-1%) and Thiomethoxam@ 0.6gm/lit at 10 days interval.	1.0	1.0	-	-	-	-	10	-	10	-	10	-
9	Maize	Integrated Pest Management	Application of 5% NSKE/ Azadirachtin 1500 PPM @ 5ml/l of water during egg laying stage to avoid egg hatching. *Application of Metarhizium anisopliae* @ 5gm/l of water at 15-25 days after sowing Application of Emamectin benzoate @ 0.4 gm/l of water to manage the 2^{nd} & 3^{rd} instars larvae	1.0	1.0	-	-	-	-	10	-	10	-	10	-

			effectively.													
10	Paddy	Integrated Pest Management	Release *Trichogramma chilonis* @ 20,000/acre thrice at 7 days interval . First release will be done at 30 DAT. One spray of Rynaxypyr 150 ml/ha and one spray of spinetoram 6%+methoxyfenozide 30% SC @ 400 ml/ha alternately at 15 days and 45 DAT	1.0	1.0	-	-	-	-	10	-	10	-	10	-
11	Cotton	Integrated pest Management	Planting of maize as border crop around the field, intercropping of cowpea @ 8:2 ratio. Application of Azadirachtin 0.15%@ 1.5 Lit./ ha twice @ 30 & 45 DAS Application of Flonicamid 50% WG @ 175 gm/ha twice at 10 days interval.	1.0	1.0	-	-	-	-	10	-	10	-	10	-
12	Agri-Silvi System	Agroforestry	Acacia mangium tress are planted at distance of 2.5 mt x 2.5 mt & inter-cropping of turmeric at a spacing of 50 cm x 50 cm	1.0	1.0	-	-	-	-	10	-	10	-	10	-
13	Lac Culture	Traditional forestry	Brood lac sticks are tied to the newly emerged branches of Palas trees after pruning & before swarming	1.0	1.0	-	-	-	-	10	-	10	-	10	-

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Paddy	Kharif	Irrigated	Sandy loam	194	15	281	Green gram	June,2022	December,2022		
Paddy	Kharif	Irrigated	Sandy loam	194	15	281	Green gram	June,2022	December,2022		
Paddy	Kharif	Irrigated	Sandy loam	194	15	281	Green gram	June,2022	December,2022		
Maize	Kharif	Irrigated	Sandy loam	142	11	278	Green gram	June,2022	December,2022		
Chilli	Rabi	Irrigated	Sandy loam	242	53	97	Vegetables	October,2022	January,2023		
Cauliflower	Rabi	Irrigated	Sandy loam	242	53	97	Vegetables	September, 2022	December,2022		
Bittergourd	Kharif	Irrigated	Sandy loam	242	53	97	Vegetables	January	June		
Onion	Rabi	Irrigated	Sandy loam	251	13	291	Vegetables	October	April		
Maize	Kharif	Irrigated	Sandy loam	142	11	278	Green gram	June,2022	December,2022		
Paddy	Kharif	Irrigated	Sandy loam	194	15	281	Green gram	June,2022	December,2022		
Cotton	Kharif	Irrigated	Sandy loam				Fallow				
Agri Silvi System	Kharif	RF	Sandy loam	240	11	110	Fallow	July,2022	Feb,2023(Turmeric)		

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

Performance of FLD: NA

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
Sesamum		Use of HYV-SMARAK seed treatment with carboxin, Application of herbicide pendimethaline	50	20	2.5	1.8	38	4,800	17,500	12,700	3.6	5,000	12,600	7,600	2.52
Mustard		HYV/ Sushree, use of Herbicide on IPM	25	10	6.2	4.8	29.1	12,000	30,435	18,435	2.5	11,000	21,240	10,240	1.9
Total			**75**	**30**	**8.7**	**6.6**	**67.1**	**16800**	**47935**	**31135**	**6.1**	**16000**	**33840**	**17840**	**4.42**

* 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: NA

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

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

Other crops: NA

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

		Total																

Livestock: NA

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 : NA

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: NA

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: NA

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

Farm implements and machinery: NA

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: NA

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	**Kalinga Raj (OMH-14-27)**	10	1 ha	42.72	31.52	35%	18,000/-	80,000/-	68,816.64/-	2.75
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**
1.	Paddy (CR-310)	CR-310 has good cooking quality and content good source of protein which serve as source of nutrition.
2.	Paddy (Use of Pre & Post emergency Herbicides)	There was excellent control of complex weed flora with WCE of 87% and showed yield enhancement.
3.	Maize (Hybrid-Kalinga Raj (OMH-14-27)	Yield is good as compared to the local variety.
4.	Chilli (Application of growth regulator)	Application of growth regulator at 40, 60, and 80th days of planting reduces flower drop and increased fruit set.

Extension and Training activities under FLD:

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	05.03.2022, 27.12.2022	02	100	
2.	Farmers Training	06.07.2022, 22.12.2022	02	50	
3.	Media coverage	01.01.2022,24.01.2022,10.02.2022, 08.03.2022,26.04.2022,31.05.2022, 21.06.2022, 15.09.2022, 15.10.2022, 15.11.2022	10	1500	
4.	Training for extension functionaries	21.09.2022,23.11.2022	02	20	

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif-2022 and Rabi 2022-2023:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Pigeonpea	Kandula	9.5	145	54	-650	Use of HYV LRG-52; Seed treatment with carboxin+ thiram; Application of herbicides (pendimethalin and imazethapyr)	75	30	16.0	14.8	15.4	2.94q	8.45q	-2.1q

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	Use of HYV(PRG-176) Seed treatment with carboxin+ thiram; Application of herbicides (pendimethalin and imazethapyr)	22650	43200	20550	1.9	24200	51600	27400	2.1

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	Pigeonpea (LRG-52)	15200	50	60	100	250	for next season farming and house expenses	90

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	HYV of Pigeonpea (LRG-52); Seed treatment with carboxin+ thiram; Application of herbicides (pendimethalin and imazethapyr)	Suitable	Very good	75%	No	Yes	No

E. Specific Characteristics of Technology and Performance

Specific Characteristic	**Performance**	**Performance of Technology vis-a vis Local Check**	**Farmers Feedback**
HYV Pigeonpea variety (LRG-52) Medium duration: 150 days; Plant ht:140-227 cm; 50% flowering: 110-125 days; 75% flowering: 160-202 days; seeds brown, oval; 100 seed wt: 10.2-11.2 g; Potential yield:16-18q/ha; Resistant to f*usarium* wilt and sterility mosaic and moderately tolerant to helicoverpa, pod fly	Well in farmer's field	Demonstrated technology of improved variety with seed treatment; weed management by herbicides and proper plant protection measures resulted higher grain yield and profit as compared to local check under CFLD programme resulted.	Farmers were convinced with the technology and decided to cultivate this variety in next season with same package of practices.

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmers attended
1	Training (Pigeon Pea)	15.07.2022	25
2	Field Day (Pigeon Pea)	22.11.2022	50

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



H. Farmers' training photographs


I. Details of budget utilization

Crop (Provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Pigeon Pea	i) Critical input	158,500	158,500	Nil
	ii) TA/DA/POL etc. for monitoring	8000	8000	
	iii) Extension Activities (Field day)	7500	7500	Nil
	iv)Publication of literature	6000	6000	Nil
	Total	180,000/-	180,000/-	Nil

List of Farmer under FLD (Crop wise)

Name of farmer	Father's name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/ No)	Recommendations based on soil test value	Brief technology intervention	Variety	Area (ha)	Seed quantity used	Demo. Yield (q/ha)			Yield of local check q/ha	% increase
Champeswar Bhoi	Shyama Bhoi	Gambharipadar	Boudh	7894572084		20.79678	84.23183	yes	Urea(11.8 kg/ha), DAP(108.7 kg/ha), MOP(33.3 kg/ha)	Variety, Herbicides, plant protection measures	LRG-52	0.4	8 Kg	18.0	15.8	13.5	9.96	26.2
Labakishor Naik	Raghunath naik	Gambharipadar	Boudh	9556445288		20.79666	84.23180		do	do	LRG-52	0.4	8 Kg	16.0	12.8	13.5	9.96	26.2
Bhubaneswar Bhoi	Shiba Bhoi	Gambharipadar	Boudh	8280727726		20.79663	84.23175		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13.5	9.96	26.2
Dilip Pradhan	Pratap Pradhan	Gambharipadar	Boudh	-		20.79662	84.23128		do	do	LRG-52	0.4	8 Kg	15.0	12.8	12.8	9.96	22.2
Sachala Bhoi	Gobinda Bhoi	Gambharipadar	Boudh	7749827657		20.79652	84.23128		do	do	LRG-52	0.4	8 Kg	16.0	13.8	13.8	9.96	27.8

Hari Pradhan	Rahans Pradhan	Gambharipadar	Boudh			20.79653	84.23119		do	do	LRG-52	0.4	8 Kg	13.0	12.8	14	9.96	28.9
Kamala lochan Bhoi	Gobinda Bhoi	Gambharipadar	Boudh	-		20.79649	84.23224		do	do	LRG-52	0.4	8 Kg	16.0	13.8	13.5	9.96	26.2
Panchanan Pradhan	Hrushi Pradhan	Gambharipadar	Boudh	7978713420		20.79660	84.23112		do	do	LRG-52	0.4	8 Kg	17.0	11.8	12.8	9.96	22.2
Chatrubhuja Bhukta	Suramani Bhukta	Gambharipadar	Boudh	-		20.79651	84.23114		do	do	LRG-52	0.4	8 Kg	15.0	12.8	13.7	9.96	27.3
Arun Bhokta	Sudarson Bhokta	Gambharipadar	Boudh	-		20.79656	84.23110		do	do	LRG-52	0.4	8 Kg	14.0	11.8	12.9	9.96	22.8
Baban Bhukta	Jameswar Bhukta	Gambharipadar	Boudh	9777508492		20°47'39.901"	84°14'54.864"		do	do	LRG-52	0.4	8 Kg	14.0	10.8	13.7	9.96	27.3
Trilochan Bhoi	Soumitri Bhoi	Gambharipadar	Boudh	7077844212		20°47'12.154"	84°15'22.147"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	12.5	9.96	20.3
Akura Bhoi	Shyam Bhoi	Gambharipadar	Boudh			20°47'37.278"	84°14'55.382"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13.4	9.96	25.7
Janardan Bhukta	Satyananda Bhukta	Gambharipadar	Boudh	8114871816		20°47'12.039"	84°15'22.793"		do	do	LRG-52	0.4	8 Kg	17.0	11.8	13.5	9.96	26.2
Satyananda Sahu	Fakar sahu	Gambharipadar	Boudh	8658359585		20°47'12.348"	84°15'23.684"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13.2	9.96	24.5
Sabita Pradhan	Kishori Pradhan	Gambharipadar	Boudh	7609832422		20°47'12.458"	84°15'22.584"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13.4	9.96	25.7
Golapi Bhoi	Trinath Pradhan	Gambharipadar	Boudh	9178555991		20°47'12.598"	84°15'23.782"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13.5	9.96	26.2
Kishor ch. Bhoi	Dushmant Bhoi	Gambharipadar	Boudh	9078280247		20°47'39.593"	84°14'53.929"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	12.4	9.96	19.7
Raghaba Mahakud	Tritha Mahakud	Gambharipadar	Boudh	9778442736		20°47'46.977"	84°13'51.311"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13.5	9.96	26.2
Benudhar Mahakud	Raghab Mahakud	Gambharipadar	Boudh	8018836031		20°47'47.849"	84°13'48.104"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	14	9.96	28.9
Nayan ku. Shukla	Akshaya Shukla	Gambharipadar	Boudh	943743119		20°47'48.392"	84°13'56.028"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	12.8	9.96	22.2
Sidha Bhoi	Dhaneswar Bhoi	Gambharipadar	Boudh	-		20°47'12.158"	84°15'21.954"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	14	9.96	28.9
Sana Bhukta	Purandhar Dehuri	Gambharipadar	Boudh	9938343720		20°48'47.126"	84°15'07.610"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	12.8	9.96	22.2
Shishir ku. Sukla	Akshya ku. Shukla	Gambharipadar	Boudh	-		20˚49.334	84˚16.182		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13.9	9.96	28.3
Binayak Pradhan	Madan Pradhan	Gambharipadar	Boudh	8457020023		20˚49.334	84˚16.182		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13.9	9.96	28.3
Sudhansu Pradhan	Binayak Pradhan	Gambharipadar	Boudh	-		20˚49.444	84˚16.190		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13.2	9.96	24.5
Sukadeb Bhukta	Raghunath Bhukta	Gambharipadar	Boudh	7978303243		20˚49.444	84˚16.190		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13.5	9.96	26.2
Kanhei Pradhan	Nilamani Pradhan	Gambharipadar	Boudh	9938978226		20˚49.444	84˚16.190		do	do	LRG-52	0.4	8 Kg	14.0	11.8	12.8	9.96	22.2
Gagan Dehury	Krushna ch.	Gambharip	Bou	9078611		20˚49.444	84˚16.190		do	do	LRG-	0.4	8 Kg	14.	11.	13.	9.9	26.2

	Dehury	adar	dh	322							52			0	8	5	6	
Alok Bhukta	Arjun Bhukta	Gambharip adar	Bou dh	7749803 215		20˚49.198	84˚15.774		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13.4	9.96	25.7
Prasana bhoi	Sapani bhoi	Gambharip adar	Bou dh	8457883 029		20˚49.198	84˚15.774		do	do	LRG-52	0.4	8 Kg	14.0	11.8	12.8	9.96	22.2
Saroj Bhoi	Gobinda Bhoi	Gambharip adar	Bou dh	8018411 838		20˚49.198	84˚15.774		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13.1	9.96	24
Bishal Bhoi	Karttik bhoi	Gambharip adar	Bou dh	7894598 095		20˚49.198	84˚15.774		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13.8	9.96	27.8
Sabhagini Pradhan	Kishori Pradhan	Gambharip adar	Bou dh	-		20°47'45. 713"	84°13'49. 719"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	11.9	9.96	16.3
Surendra Pradhan	Hrushi Pradhan	Gambharip adar	Bou dh	7894664 593		20°47'47. 712"	84°13'48. 710"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13	9.96	23.4
Purnachandra dehuri	Khedu Dehuri	Gambharip adar	Bou dh			20°47'42. 165"	84°13'21. 149"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	12.8	9.96	22.2
Rameswar Bhokta	Pada Bhokta	Gambharip adar	Bou dh	9178077 931		20°47'47. 542"	84°13'53. 499"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	11.8	9.96	15.6
Chatri Bhoi	Babaji Bhoi	Gambharip adar	Bou dh	-		20°47'47. 604"	84°13.52. 729"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	11.9	9.96	16.3
Sandhyarani Pandey	Alekha Sethy	Gambharip adar	Bou dh	8984904 931		20°47'49. 325"	84°13'49. 623"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	12.9	9.96	22.8
Purandhar Pradhan	Kulamani Pradhan	Gambharip adar	Bou dh	-		20°47'47. 742"	84°13'48. 591"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	12.6	9.96	21
Jayaram Naik	Jogi Naik	Gambharip adar	Bou dh	7855931 976		20°47'45. 729"	84°13'47. 763"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13.1	9.96	24
Biswamitra Pradhan	Haribandhu Pradhan	Gambharip adar	Bou dh	7750900 783		20°47'45. 604"	84°13'48. 459"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	12.9	9.96	22.8
Sambhu Pradhan	Dhoba Pradhan	Gambharip adar	Bou dh	-		20°47'48. 250"	84°13'55, 340"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	12.6	9.96	21
Soumitri Bhoi	Dasaratha Bhoi	Gambharip adar	Bou dh	9938986 937		20°47'46. 740"	84°13'54. 117"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	12.9	9.96	22.8
Sameer Bhoi	Soumitri Bhoi	Gambharip adar	Bou dh	7609955 460		20°47'47. 027"	84°14'55. 151"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13.4	9.96	25.7
Ainthu Bhoi	Ganga Bhoi	Gambharip adar	Bou dh			20°47'47. 958"	84°14'55. 458"		do	do	LRG-52	0.4	8 Kg	14.0	11.8	12.8	9.96	22.2
Bibhisan Sahu	Rantakar Sahu	Gambharip adar	Bou dh	8441304 89		20˚49.444	84˚16.190		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13.1	9.96	24

Jagabandhu Sandhu	Raghunath Sandhu	Gambharipadar	Boudh			20˚49.198	84˚15.774		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13.8	9.96	27.8
Deepak ku. Sukla	Akshiya ku. Sukla	Gambharipadar	Boudh			20˚49.198	84˚15.774		do	do	LRG-52	0.4	8 Kg	14.0	11.8	11.9	9.96	16.3
Babulal Dehuri	Makardhwaja dehuri	Gambharipadar	Boudh	844130484		20˚49.198	84˚15.774		do	do	LRG-52	0.4	8 Kg	14.0	11.8	13	9.96	23.4
ParthaSandh	Sapani Sandhu	Gambharipadar	Boudh	-		20˚49.198	84˚15.774		do	do	LRG-52	0.4	8 Kg	17.0	12.5	14.7	10.6	27.8
Ujjal Dehuri	Shankar Dehuri	Gambharipadar	Boudh			20˚49.198	84˚15.774		do	do	LRG-52	0.4	8 Kg	16.4	11.6	13.5	10.6	16.3
Achyutananda Sahu	Janmejaya Sahu	Gambharipadar	Boudh	9178470598		20°47'45.713"	84°13'49.719"		do	do	LRG-52	0.4	8 Kg	14.2	11.7	12.9	10.2	23.4
Manorama Sahu	Rashas Dash	Gambharipadar	Boudh	9777111562		20°47'47.712"	84°13'48.710"		do	do	LRG-52	0.4	8 Kg	18.6	14,2	16.4	10.5	22.2
Geli Danayak	Parame Naik	Gambharipadar	Boudh			20°47'42.165"	84°13'21.149"		do	do	LRG-52	0.4	8 Kg	17.5	13.8	15.6	10.6	15.6
Purandhar Bhokta	Raghunandan Sahu	Gambharipadar	Boudh	9668118751		20°47'47.542"	84°13'53.499"		do	do	LRG-52	0.4	8 Kg	17.3	13.6	15.4	10.6	16.3
Subal Sahu	Lingaraj Sahu	Gambharipadar	Boudh	7894155515		20°47'47.604"	84°13.52.729"		do	do	LRG-52	0.4	8 Kg	17.2	12.8	15.0	10.2	22.8
Janmejay Sahu	Fakhir Sahu	Gambharipadar	Boudh	9439395501		20°47'49.325"	84°13'49.623"		do	do	LRG-52	0.4	8 Kg	17.1	12.4	14.7	10.5	21
Ganeswar Jal	Gokulananda jal	Gambharipadar	Boudh	8984905076		20°47'47.742"	84°13'48.591"		do	do	LRG-52	0.4	8 Kg	18.2	11.6	14.9	10.6	24
Puspanjali Sethi	Jharu sethi	Gambharipadar	Boudh	9178352792		20°47'45.729"	84°13'47.763"		do	do	LRG-52	0.4	8 Kg	17.6	14.2	15.9	10.6	28.9
Pankaj Bhoi	Sradhakar Bhoi	Gambharipadar	Boudh			20°47'45.604"	84°13'48.459"		do	do	LRG-52	0.4	8 Kg	16.2	11.8	14.0	10.2	22.2
Barun Sahu	Gobardhan Sahu	Gambharipadar	Boudh	8908733915		20˚49.444	84˚16.190		do	do	LRG-52	0.4	8 Kg	17.2	14.7	15.9	10.5	28.9
Lali Danayak	Benudhar Danayak	Gambharipadar	Boudh	-		20˚49.444	84˚16.190		do	do	LRG-52	0.4	8 Kg	16.4	12.8	14.6	10.6	22.2
Rashmita Bhoi	Ratnakar Pradhan	Gambharipadar	Boudh	9668127072		20˚49.444	84˚16.190		do	do	LRG-52	0.4	8 Kg	14.7	13.7	14.2	10.6	28.3
Jayanti Bhoi	Krushna Bhoi	Gambharipadar	Boudh	-		20˚49.198	84˚15.774		do	do	LRG-52	0.4	8 Kg	17.8	15.2	16.5	10.2	28.3
Sanuj Bhoi	Satrughan Bhoi	Gambharipadar	Boudh	9668590498		20°47'39.901"	84°14'54.864"		do	do	LRG-52	0.4	8 Kg	17.5	14.2	15.8	10.5	24.5

Bidyanath Pradhan	Goutam Pradhan	Gambharipadar	Boudh	-		20°47'12.154"	84°15'22.147"		do	do	LRG-52	0.4	8 Kg	17.6	12.6	14.0	10.2	26.2
Bhukuli Sahu	Arun Sahu	Gambharipadar	Boudh	7846958989		20°47'37.278"	84°14'55.382"		do	do	LRG-52	0.4	8 Kg	17.2	15.2	15.9	10.5	22.2
Nityananda Bhukta	Janmajeya Bhukta	Gambharipadar	Boudh	8117957780		20°47'12.039"	84°15'22.793"		do	do	LRG-52	0.4	8 Kg	17.8	11.6	14.9	10.6	26.2
Makarand Pradhan	Binayak Pradhan	Gambharipadar	Boudh	9178127815		20°47'12.348"	84°15'23.684"		do	do	LRG-52	0.4	8 Kg	19.2	14.2	15.9	10.6	16.3
Kushaleswar Deep	-	Munmunda	Boudh	9337878108		20°47'12.158"	84°15'21.954"		do	do	LRG-52	0.4	8 Kg	18.6	11.8	14.0	10.2	23.4
Manas Deep	-	Munmunda	Boudh	-		20°48'47.126"	84°15'07.610"		do	do	LRG-52	0.4	8 Kg	17.2	14,2	16.4	10.5	22.2
Jubraj Dandua	-	Munmunda	Boudh	-		20˚49.334	84˚16.182		do	do	LRG-52	0.4	8 Kg	17.5	13.8	15.6	10.6	15.6
Samaru Duru	-	Munmunda	Boudh	-		20˚49.334	84˚16.182		do	do	LRG-52	0.4	8 Kg	15.8	13.6	15.4	10.6	16.3
Somanath Dandua	-	Munmunda	Boudh	-		20˚49.444	84˚16.190		do	do	LRG-52	0.4	8 Kg	17.6	12.8	15.0	10.2	22.8

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													
Awareness on Soil Testing and Soil Health Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Awareness on use of Bio-fertiluzers for sustainable food production and in increasing soil fertility.	-	-	-	-	-	-	-	-	-	-	-	-	-
Importance and Package and practices of millet crop-Ragi	-	-	-	-	-	-	-	-	-	-	-	-	-
Package and practices for cultivation of sweet corn and its market value	-	-	-	-	-	-	-	-	-	-	-	-	-
Residue management in Rice by the use of waste Decomposer	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro irrigation/irrigation	-	-	-	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil & water conservation	-	-	-	-	-	-	-	-	-	-	-	-	-

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated nutrient Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Others													
Total	-	-	-	-	-	-	-	-	-	-	-	-	-
II. Horticulture													
a) Vegetable Crops													
INM in brinjal	-	-	-	-	-	-	-	-	-	-	-	-	-
Training on physiological disorder of tomato	-	-	-	-	-	-	-	-	-	-	-	-	-
Training of agrotecniques of kharif onion	-	-	-	-	-	-	-	-	-	-	-	-	-
weed management in okra	-	-	-	-	-	-	-	-	-	-	-	-	-
INM in chilli	-	-	-	-	-	-	-	-	-	-	-	-	-
Grading and standardization													
Protective cultivation													
Others													
Total (a)	-	-	-	-	-	-	-	-	-	-	-	-	-
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
IPM modules for BPH management in low land rainfed rice													
Disease management practices of rice in low land transplanted condition													
Integrated pest management of fall army worm in maize													
Identification and pest management of cotton in upland													

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
rain fed condition													
Identification and integrated pest management of viral diseases of vegetables crops													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Agriculture Extension													
Stress management & enhancing work efficiency in agriculture													

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
Staggered planting methods in tomato to avoid glut in market													
Soil sampling methods & nutrient management													
Role of farmer producer organization in strengthening farmers economy													
Group leadership and management of SHGs													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Forest nursery and its management													
Growing of Acacia mangium for profit													
Teak farming													
Multi Purpose Trees and their cultivation													
Agro-forestry systems													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Nutrient Management and its importance in Sustainable Agriculture	02	9	-	-	3	-	-	3	-	-	15	-	15
Awareness on different Organic Formulations such as Amrit pani, Jeeva amrit etc for organic food production.	02	9	-	-	3	-	-	3	-	-	15	-	15
Protected cultivation of vegetables	02	8	-	-	2	-	-	5	-	-	15	-	15
Post harvest management of vegetables	02	9	-	-	3	-	-	3	-	-	15	-	15
Safe use of PP chemicals and use of different spray equipments	02	7	-	-	3	-	-	5	-	-	15	-	15
Safe application of chemical pesticides in Rabi vegetable crop (Tomato, brinjal, chilli)	02	10	-	-	2	-	-	3	-	-	15	-	15
Income generation through understanding of marketing strategy and marketing channel	02	9	-	-	2	-	-	4	-	-	15	-	15

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Post harvest management and its value addition of oyster mushroom	02	10	-	-	2	-	-	3	-	-	15	-	15
Propagation of Bamboo through culm cutting method	02	11	-	-	1	-	-	3	-	-	15	-	15
Others													
Total	**18**	**82**	**0**	**0**	**21**	**0**	**0**	**32**	**0**	**0**	**135**	**0**	**135**

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
Organic Farming –Method of Preparation of Vermicompost & Vermi wash	01	10	-	10	-	-	-	-	-	-	10	-	10
Physiological disorder in fruits crops	01	10	-	10	-	-	-	-	-	-	10	-	10
Package of practices for management of Blast and sheath blight disease in rice during kharif season	01	10	-	10	-	-	-	-	-	-	10	-	10
Package of practices for management of important pests in onion and chilli	01	10	-	10	-	-	-	-	-	-	10	-	10
Application of ICT in Agriculture	01	10	-	10	-	-	-	-	-	-	10	-	10
Motivational and communication skills for extension personnel	01	10	-	10	-	-	-	-	-	-	10	-	10
Lac cultivation	01	10	-	10	-	-	-	-	-	-	10	-	10
Other													
Total	**07**	**70**	**-**	**70**	**-**	**-**	**-**	**-**	**-**	**-**	**70**	**-**	**70**

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													
Integrated Nutrient management in Paddy	1	19	-	-	2	-	-	4	-	-	25	-	25
Integrated Weed Management in Paddy.	1	17	-	-	3	-	-	5	-	-	25	-	25
Importance of growing of pulse crop for alleviating pulse deficit in odisha	1	21	-	-	2	-	-	2	-	-	25	-	25
Integrated Nutrient Management in Arhar.	1	16	-	-	4	-	-	5	-	-	25	-	25
Awareness on Soil Testing and Soil Health Management	1	18	-	-	3	-	-	4	-	-	25	-	25
Awareness on use of Bio-fertiluzers for sustainable food production and in increasing soil fertility.	1	19	-	-	2	-	-	4	-	-	25	-	25
Safety and precaution for herbicide uses.	1	17	-	-	3	-	-	5	-	-	25	-	25
Weed Management in pulses and oilseed crops.	1	21	-	-	2	-	-	2	-	-	25	-	25
Importance and Package and practices of millet crop-Ragi	1	16	-	-	4	-	-	5	-	-	25	-	25
Package & practices of Rabi oilseed crop-mustard	1	18	-	-	3	-	-	4	-	-	25	-	25
Package and practices for cultivation of sweet corn and its market value	1	19	-	-	2	-	-	4	-	-	25	-	25
Residue management in Rice by the use of waste Decomposer	1	17	-	-	3	-	-	5	-	-	25	-	25
Others													
Total	**12**	**218**	**0**	**0**	**33**	**0**	**0**	**49**	**0**	**0**	**300**	**0**	**300**
II. Horticulture													
a) Vegetable Crops													
INM in brinjal	1	17	-	-	3	-	-	5	-	-	25	-	25
Training on physiological disorder of tomato	1	21	-	-	2	-	-	2	-	-	25	-	25
Training of agrotecniques of kharif onion	1	16	-	-	4	-	-	5	-	-	25	-	25
Weed management in okra	1	18	-	-	3	-	-	4	-	-	25	-	25
INM in chilli	1	19	-	-	2	-	-	4	-	-	25	-	25
INM in solanaceous vegetable	1	17	-	-	3	-	-	5	-	-	25	-	25
Use of plant growth regulator in vegetable	1	16	-	-	4	-	-	5	-	-	25	-	25
Agrotecniques of banana cultivation	1	18	-	-	3	-	-	4	-	-	25	-	25
Water management in fruit crops	1	19	-	-	2	-	-	4	-	-	25	-	25
Package of practices of oilpalm cultivation	1	17	-	-	3	-	-	5	-	-	25	-	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Off season vegetable cultivation	1	16	-	-	4	-	-	5	-	-	25	-	25
Total (a)	**11**	**194**	**0**	**0**	**33**	**0**	**0**	**48**	**0**	**0**	**275**	**0**	**275**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
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
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management	1	14	03	17	3	-	3	5	-	5	25	-	25
Integrated water management	1	17	04	21	2	-	2	2	-	2	25	-	25
Integrated Nutrient Management	1	16	-	-	4	-	-	5	-	-	25	-	25
Production and use of organic inputs	1	18	-	-	3	-	-	4	-	-	25	-	25
Management of Problematic soils	1	15	04	19	2	-	2	4	-	4	25	-	25
Micro nutrient deficiency in crops	1	17	04	21	2	-	2	2	-	2	25	-	25
Nutrient Use Efficiency													
Balance Use of fertilizer	1	17	-	-	3	-	-	5	-	-	25	-	25
Soil & water testing	1	21	-	-	2	-	-	2	-	-	25	-	25
others													
Total	**8**	**135**	**15**	**78**	**21**	**0**	**9**	**29**	**0**	**13**	**200**	**0**	**200**
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1		17	17		06	06		02	02		25	25
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet	1		15	15		07	07		03	03		25	25
Minimization of nutrient loss in processing	1		14	14		09	09		02	02		25	25
Processing & cooking													
Gender mainstreaming through SHGs	1	10	07	17	03	04	07		01	01		25	25
Storage loss minimization techniques	1	09	08	17	02	05	07		01	01		25	25
Value addition	1		15	15		07	07		03	03		25	25
Women empowerment	1	10	07	17	03	04	07		01	01		25	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care	1		12	12		08	08		05	05		25	25
Others													
Total	**8**	**29**	**95**	**124**	**8**	**50**	**58**	**0**	**18**	**18**	**0**	**200**	**200**
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated management of BPH/WBPH in Kharif & Rabi Rice	1	21	-	-	2	-	-	2	-	-	25	-	25
Integrated BLB disease management in paddy	1	16	-	-	4	-	-	5	-	-	25	-	25
Integrated fall army worm management in kharif maize	1	18	-	-	3	-	-	4	-	-	25	-	25
Integrated stem borer management in rice	1	19	-	-	2	-	-	4	-	-	25	-	25
Integrated sucking pest management in cotton	1	17	-	-	3	-	-	5	-	-	25	-	25
IPM for management of pod borer complex in pigeonpea	1	17	-	-	3	-	-	5	-	-	25	-	25
Fusarium wilting management in pigeonpea crop	1	21	-	-	2	-	-	2	-	-	25	-	25
Wilting management in brinjal and tomato	1	16	-	-	4	-	-	5	-	-	25	-	25
Fruit fly management in bitter guard	1	18	-	-	3	-	-	4	-	-	25	-	25
Management of collar rot disease in groundnut	1	19	-	-	2	-	-	4	-	-	25	-	25
Integrated foot rot disease management in Rabi rice.	1	17	-	-	3	-	-	5	-	-	25	-	25
Integrated fruit fly management in bitter guard.	1	16	-	-	4	-	-	5	-	-	25	-	25
Bee box maintenance in summer and winter season.	1	18	-	-	3	-	-	4	-	-	25	-	25
Different PP chemicals and their formulation and	1	19	-	-	2	-	-	4	-	-	25	-	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
method of use in crops.													
YMV disease management in greengram	1	17	-	-	3	-	-	5	-	-	25	-	25
Total	**15**	**269**	**0**	**0**	**43**	**0**	**0**	**63**	**0**	**0**	**375**	**0**	**375**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production	2	20	05	25	15	05	20	03	02	05	38	12	50
Organic manures production	1	14	03	17	3	-	3	5	-	5	25	-	25
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production	1		14	14		09	09		02	02		25	25
Apiculture													
Others													
Total	**4**	**34**	**22**	**56**	**18**	**14**	**32**	**8**	**4**	**12**	**63**	**37**	**100**
X. Agriculture Extension													
Stress management & enhancing work efficiency in agriculture	1	21	-	-	2	-	-	2	-	-	25	-	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Staggered planting methods in tomato to avoid glut in market	1	16	-	-	4	-	-	5	-	-	25	-	25
Soil sampling methods & nutrient management	1	18	-	-	3	-	-	4	-	-	25	-	25
Role of farmer producer organization in strengthening farmers economy	1	19	-	-	2	-	-	4	-	-	25	-	25
Group leadership and management of SHGs	1	17	-	-	3	-	-	5	-	-	25	-	25
Grading of agricultural produce for marketing and storage	1	18	-	-	3	-	-	4	-	-	25	-	25
Good agricultural practices and enhanced resources use efficiency for doubling farmers income	1	19	-	-	2	-	-	4	-	-	25	-	25
Integrated farming systems an approach for climate change mitigation & natural resources management.	1	17	-	-	3	-	-	5	-	-	25	-	25
Agro-enterprise management among farm women	1	17	-	-	3	-	-	5	-	-	25	-	25
Post harvest management of Tomato & its value addition	1	21	-	-	2	-	-	2	-	-	25	-	25
Total	**10**	**183**	**0**	**0**	**27**	**0**	**0**	**40**	**0**	**0**	**250**	**0**	**250**
XI. Agro forestry													
Forest nursery and its management	1	21	-	-	2	-	-	2	-	-	25	-	25
Growing of Acacia mangium for profit	1	16	-	-	4	-	-	5	-	-	25	-	25
Teak farming	1	18	-	-	3	-	-	4	-	-	25	-	25
Multi Purpose Trees and their cultivation	1	19	-	-	2	-	-	4	-	-	25	-	25
Agro-forestry systems	1	17	-	-	3	-	-	5	-	-	25	-	25
Cultivation of medicinal plants and their uses	1	21	-	-	2	-	-	2	-	-	25	-	25
Meeting of fuel wood equipment through homestead forestry	1	16	-	-	4	-	-	5	-	-	25	-	25
Cultivation of lemon grass	1	19	-	-	2	-	-	4	-	-	25	-	25
Environmental pollution	1	17	-	-	3	-	-	5	-	-	25	-	25
Forest and climate change	1	17	-	-	3	-	-	5	-	-	25	-	25
Social forestry	1	21	-	-	2	-	-	2	-	-	25	-	25
Minor forest products	1	19	-	-	2	-	-	4	-	-	25	-	25
Saal trees and products derived from it.	1	18	-	-	3	-	-	4	-	-	25	-	25
Total	**13**	**239**	**0**	**0**	**35**	**0**	**0**	**51**	**0**	**0**	**325**	**0**	**325**
XII. Others (Pl. Specify)													
GRAND TOTAL	**81**	**1301**	**132**	**258**	**218**	**64**	**99**	**288**	**22**	**43**	**1788**	**237**	**2025**

E) RURAL YOUTH (Off Campus) : NA

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology	1												
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total													

F) Extension Personnel (Off Campus) : NA

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total													

G) Consolidated table (ON and OFF Campus) :

i. Farmers& Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total													
II. Horticulture													
a) Vegetable Crops													

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 low volume and high value crops													
Off0season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
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													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													

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

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
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													

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
XII. Others (Pl. Specify)													
GRAND TOTAL													

ii. RURAL YOUTH (On and Off Campus): NA

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total													

iii. Extension Personnel (On and Off Campus):

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total													

H) Vocational training programmes for Rural Youth :

a) Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Vermicompost	Income generation	Methods of production of Vermicompost	03 days	10	25	35	Polybag	06	20	10
Bee Keeping	Income generation	Bee keeping farming for entrepreneurship	03 days	09	16	25	Wooden box	10	15	10

*training title should specify the major technology /skill transferred

b) Details of participation: NA

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Crop production and management													
Commercial floriculture													
Commercial fruit production													
Commercial vegetable production	02	08	10	18	05	20	25	02	05	07	15	35	50
Integrated crop management	03	45	05	50	15	04	19	05	01	06	65	10	75
Organic farming													
Other													
Total	**05**	**53**	**15**	**68**	**20**	**24**	**44**	**07**	**06**	**13**	**80**	**45**	**125**
Post harvest technology and value addition													
Value addition													
Other													
Total													
Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing													
Piggery													

Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting	05	30	20	50	18	18	36	07	32	39	55	70	125
Production of bioagents, biopesticides, biofertilizers etc.	04	45	10	55	25	8	33	10	02	12	80	20	100
Repair and maintenance of farm machinery &imlements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation	10	60	60	120	45	35	80	35	15	50	140	110	250
Nursery, grafting etc.	03	12	12	24	25	12	37	08	06	14	45	30	75
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para0vet training													
Other													
Total	**22**	**147**	**102**	**249**	**113**	**73**	**186**	**60**	**55**	**115**	**320**	**230**	**550**
Agricultural Extension													
Capacity building and group dynamics	05	30	20	50	18	18	36	07	32	39	55	70	125
Other													
Total	**05**	**30**	**20**	**50**	**18**	**18**	**36**	**07**	**32**	**39**	**55**	**70**	**125**
Grand Total	**32**	**230**	**137**	**367**	**151**	**115**	**266**	**74**	**93**	**167**	**455**	**345**	**800**

I) Sponsored Training Programmes : NA

a) Details of Sponsored Training Programme

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

b) Details of participation: NA

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Crop production and management													
Increasing production and productivity of crops													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total													

Post harvest technology and value addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other													
Total													
Livestock and fisheries													
Livestock production and management													
Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security													
Economic empowerment of women													
Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total													

3.4. A. Extension Activities (including activities of FLD programme

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	105	95	200	39	10	05	15	115	100	215
KisanMela	2	404	196	600	45	12	9	21	416	205	621
KisanGhosthi	-	-	-	-	-	-	-	-	-	-	-
Exhibition	1										
Film Show	14	240	60	300	29	-	-	-	240	60	300
Method Demonstrations	-	-	-	-	-	-	-	-	-	-	-
Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-	-
Group meetings	10	180	120	300	80%	02	03	05	182	123	305
Lectures delivered as resource persons	-	-	-	-	-	-	-	-	-	-	-
Advisory Services	134	488	272	760	38	-	-	-	488	272	760
Scientific visit to farmers field	143	400	73	473	37	-	-	-	400	73	473
Farmers visit to KVK	322	300	22	322	39	-	-	-	300	22	322
Diagnostic visits	10	180	120	300	80%	02	03	05	182	123	305
Exposure visits	3	25	-	25	5	-	-	-	25	-	25
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-	-
Soil health Camp	1	15	10	25	20	01	02	03	16	12	28
Animal Health Camp	-	-	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
MahilaMandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days	1	45	5	50	-	-	-	-	45	5	50
Sankalp Se Siddhi	-	-	-	-	-	-	-	-	-	-	-
Swatchta Hi Sewa	-	-	-	-	-	-	-	-	-	-	-
MahilaKisan Divas	-	-	-	-	-	-	-	-	-	-	-
Any Other (Specify)	-	-	-	-	-	-	-	-	-	-	-

Total	**644**	**2382**	**973**	**3355**	**412**	**27**	**22**	**49**	**2409**	**995**	**3404**

B. Other Extension activities

Nature of Extension Activity	No. of activities
Book/ Booklet	04
Leaflets	02
Poster/Flex	32
News letter	01
Newspaper Coverage	08
Popular Articles	-
Technical bulletins	04
Technical report	10
Training material	10
Year planner	01
CDs/ DVDs	12
TOTAL	**80**

3.5 a. Production and supply of Technological products: NA

Village seed

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Pigeonpea	BRG-5	4.0	38,520	-	-	-	-	-	-	-	-
Grand Total	-	4.0	38,520								
Grand Total		**4.0**	**38,520**								

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Vegetable seedlings											
Brinjal	Srutigold	6908	17,270	1	2	2	2	2	4	5	8
Tomato	Kosala	6200	15,500	3	2	2	2	2	4	7	8
Chilli	Krishna	6200	15,200	4	2	1	1	2	4	7	7
Onion	AFDR	150000	15,000	4	-	2	-	2	-	8	-
Cauliflower	Barkha	4300	10,750	2	2	2	2	2	4	5	8
Cabbage	Harekrishna	4000	10,000	6	2	3	2	1	4	10	5
Onion	NHRDF-Red-3 &4	300000	30,000	4	2	1	1	2	4	7	7
Others											
Fruits											
Mango											
Guava											
Lime											
Papaya											
Banana											
Others											

Ornamental plants											
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric	Rajendrasonia	2.0 qtls	13,000								
Poultry chicks (Variety: Banaraj,Sonali)		2300 Nos	1,61,000								
Honey		15 Kg	9,000								
Mushroom		1.0 qtls	20,000								
Vermicompost		10.0 qtls	15,000								
Fish		70.0 Kg	14,000								
Total		**477608**	**345720**								

Production of Bio-Products: NA

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

Production of livestock materials : NA

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

Buffaloes											
Calves											
Others (Pl. specify)											
Small ruminants											
Sheep											
Goat											
Other, please specify											
Poultry											
Broilers											
Layers											
Duals (broiler and layer)											
Japanese Quail											
Turkey											
Emu											
Ducks											
Others (Pl. specify)											
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings											
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: NA

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

ii) Quality Seed Production Reports :

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2021						
Rabi 2021-22						
Summer/Spring 2022						
Kharif 2022	Pigeon pea	BRG-5	2.0	2.0	4.0 qtls	FS
Rabi 2022-2023						

iii) Financial Progress

Fund received (2017-18, 2018-19, 2019-20, 2020-21, 2021-22)	Expenditure (Rs. in lakh)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2017-18	-	-	-	-
2018-19	-	-	-	-
2019-20	8.07	-	-	Repair & Renovation work of Administrative Building & Farmers Hostel
2020-2021	-	-	-	-
2021-2022	-	-	-	-
2022-23	5.0	-	-	Construction of Godown at KVK
2022-23	2.0	-	-	Instalation of Borewell at KVK

iv) Infrastructure Development: NA

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Book/ Booklet	1. Paniparinba Tali utpadana 2. Prusti Sadhana Bagicha 3. Byagyanika Pranarire Rasuna Chasa 4. Jibanu Sara	Sri Tapan Kumar Das, Smt Sasmita Priyadarshini, Miss Mayuri Singh Sardar	04	400
Leaflets	1. Unnati Prananire Rasi Chasa 2. Soresa Fasalare Anistakari Rogapoka o tara parechalana	Sj. Tapan Kumar Das Sasmita Priyadarshini, Mayuri Sing Sardar -	02	600
Poster/Flex	Poster on Puncha gabya,Neem Tobaco based pesticide, Bija Amrit, Jiba Amrit	Sj. Tapan Kumar Das Sasmita Priyadarshini,	500	425

		Mayuri Sing Sardar		
News letter	Krishi Barta	Sj. Tapan Kumar Das, Mayuri Sing Sardar, Bikram Keshari Parimanik	1	500
Newspaper Coverage	08	-	08	Mass
Popular Articles	-	-	-	-
Technical bulletins	-	-	04	15
Technical report	-	-	06	30
Training material	-	-	-	-
Year planner	-	-	01	20
CDs/ DVDs	-	-	08	200
Total	-	-	**30**	**3765**

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: NA

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.					
2.					
3.					
4.					
5.					
6.					
7.					

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

Name of farmer	Sri Manoj Pradhan
Address	**At- Gudapada, GP-** Bandhapathar, **Block-** Boudh, **Dist-**Boudh, **State-**Odisha.
Contact details (Phone, mobile, email Id)	**7735111810** kmanojpradhan@gmail.com
Landholding (in ha.)	50 acres
Name and description of the farm/ enterprise	Mr. Manoj Pradhan is a farmer who enjoys agriculture and who chose to be a farmer even though he has talents in other fields such as comp. sc. & Engineering. Farming is very close to his heart. He was a job holder of a MNC outside of the country before covid pandemic situation. With this intention, He started meeting people to understand different agriculture practices and improve his knowledge and he has adopted Integrated farming system-Agriculture crops including Horticulture crops and pisciculture. Along with these, he took up other allied enterprises, such as vermi-compost. He recycles farm waste into healthy manure through the vermi-compost unit and gets over 50% nutrients by recycling the bio-mass available within the farm itself. He has tried to reduce excess of expenditure by using organic bio inputs and adopted water saving techniques-drip, etc. He is practicing intercrop method for getting extra income and vermicompost unit. The zero budget preparations like Jeevamrutha, Beejamrutha Ghana, make the farm soil healthy and fertile
Economic impact	He earns net annual income approx. Rs. 28lakh from 50 acre of his land (Rs.5lakh from Paddy in 40 acre, Rs.10Lakh from fishery in 8 acre & Rs.3 Lakh from Horticultural crops & Others in1.5-acre area) per annum.
Social impact	Now he is a successful young entrepreneur and became a role model to other farmers in the village as well as other villages. He has motivated many farmers of Boudh and Harbhanga block and mobilized them for development of integrated farming system.He gave employment lots of unemployed rural youth of his locality in his farm.
Environmental impact	The input cost in subsequent years in traditional farming was more or less constant while it decreased by 25-35% in subsequent years in IFS models and thus especially IFS model proves to be profitable in the present scenario of decreased landholding. IFS provides for low-cost farming systems suitable for Indian conditions based on the productive utilization of farm wastes and fuller utilization of available resources and manpower. Intercropping, vermicomposting practices

	also aid in increasing the fertility of the soil and also reduce the dependency on chemical fertilizer and also aids in getting better yield.
Horizontal/ Vertical spread	He has motivated many farmers of 3 blocks of the district and mobilized them for development of integrated farming system, especially who have pond. He gave employment lots of unemployed rural youth of his locality in his farm. Within a short time, he transformed into a successful farmer and became a great example for the farming community & how adopting IFS model could be the way forward for higher income and sustainability. He has proved that wonders can be done in agriculture if investments are made in the right direction and farmers are equipped with the latest knowledge.
Photographs:	
2. Name of farmer	Sri Sangram Pradhan
Address	**At-** Balanda, **GP-** Purnakatak, **Block-** Harbhanga, **Dist-**Boudh, **State-** Odisha.
Contact details (Phone, mobile, email Id)	8456870072/ 943706083, Sangrampradhan100@gmail.com
Landholding (in ha.)	10 acres

Name and description of the farm/ enterprise	Many Rural youth are quitting agriculture now a days and moving to cities in search of better livelihood. Under these challenging circumstances, Mr. Sangram Pradhan, a farmer from Balanda village, Boudh district, Odisha used his professional expertise to developed mango progeny orchard in 10-acre area to increase his livelihood. He started "Pradhan Nursery" in 2009 with 20 types of fruit crops in 1 acre area. Beside this, he is also doing Fishery in small scale. There is a heavy demand of mango graft under NHM & NREGS Schemes in the district. His nursery has been registered by Dept. of Horticulture Govt. of Odisha for procurement of mango grafts.
Economic impact	His net profit is Rs.10 lakh/annum from Mango Orchard & 2 lakh from 4000 pineapple plant intercropped with Mango from 2.5-acre area and cultivated strawberry in monocropping has got net profit of Rs.1 lakh per acre. He also got 3 to 4 lakhs from his nursery
Social impact	Taking pineapple as an intercrop will not only double the profit of the farmer within a year of time span but also will provide an assurance of benefit from intercrop when the main crop (Mango) production falls due to irregular bearing or other environmental factors. This is an innovative step towards doubling the farmer's income.
Environmental impact	The intercropping systems were found effective in bringing out the gradual improvement in the physicochemical properties of the orchard soil. The average mango yield is always higher in the intercropping system than sole mango crop. It also helps in improving soil health by enhancing available nitrogen at 0-15 cm depth compared to the sole mango crop. Intercropping also increased the available phosphorous and potassium contents both at 0-15 cm and 0-30 cm soil depths.
Horizontal/ Vertical spread	He also motivated other mango growers of his area and imparted knowledge about the potential of mango + pineapple intercropping system. Now his farm is viewed as reference farms for other mango growers. Considering the impact of interventions in enhancing income, more than 50 mango growers of Boudh districts are planning to follow mango + pineapple model. He is also trying to give support to other farmers to start their enterprises in small scale. He already became a role model for other educated unemployed rural youth in nursery business and QPM production. Six farmers of neighboring village planted mango progeny orchard for graft production. He has engaged lots of workers from his village in his farm for proper maintenance as well as marketing.

Photograph:	

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

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

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

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1.	Vegetables	Farmer-modified organic manure preparation with locally available ingredients like goat dropping, oilseed cake, neem leaves, saw dust, coffee grounds, tea grounds, vegetable peels and other kitchen scraps. First all ingredients have to dumped in a big pot then add some water to it for 10-15 days for decomposition. Whenever it decomposes perfectly then add more water to it and again leave for 1 day. After that segregate hard substances and extract liquid substances separately and served liquid substances as an organic manure liquid to the plants. The hard substances again added to the compost pits for recycling.	Farmer getting is integrating all the existing resources for economic and ecological improvements for the last few years. The cost of production has been drastically reduced due to a reduction in external output purchase as the recycling of most of the available resources was done for the production. The environmental, soil and water pollution have been decreased considerably as the farm and other wastes were recycled effectively.

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	Vegetables (Brinjal, Tomato etc.)	2-4 ha	100-120 qt	78nos.	yes

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

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

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

Sl. No	Name of the Equipment	Qty.
1	Mridaparikshaka	01
2	Distillation system	01
3	Digestion system	01
4	Acid neutralization scrubber	01
5	Digestion tube	01
6	Precision balance	01
7	Digital balance	01
8	Magnetic stirrer	01
9	Rectangular hot plate	01
10	Bouycous hydrometer	01
11	Flame photometer	01
12	Spectrophotometer	01
13	Double distillation unit	01
14	Distillation apparatus power supply	01
15	Rotary shaker	01
16	PH, EF, TDS combined meter	01
17	Digital soil moisture meter	01

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			
100	20	120	500	14	-

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	100	18	1. Sj. Satyaranjan Sahoo, Collector cum District Magistrate 2. Smt. Joshna Rani Bhoi, President Zilla Parishada	50	100

3.12. Activities of rain water harvesting structure and micro irrigation system: NA

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

3.13. Technology week celebration: NA

Type of activities	No. of activities	Number of participants	Related crop/livestock technology

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

No of student trained	No of days stayed
ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
31.05.2022	Sushant Pradhan, Senior Leader (BJP) cum social worker, and Dr A.K. Pandy, Dy. Director A.K. Pandey, NHRDF, Paljhar, Boudh and Dist. BJP President Sj. Biprhonorn Mohanty, Om Prakash Mishra, State youth BJP General Secretary.	For attending the Framers fair under "Garib Kalyan Sammelan" programme.
29.04.2022	Jyoti Ranjan Mishra,Nodal officer (5T), Sj. Narayana Mahanandia, BAO, Boudh, Sj. Jogendranath Mahapatra, ADH, Sj. Pradeep Kr. Mohanty, PD Watershed, Boudh	For a review of KVK.
17.09.2022	Dy. Director A.K. Pandey, NHRDF Ratikanta Nayak, Field officer (IFFCO), DPC (Mission Shakti)	Celebration of Poshan Maahabhiyaan and Tree Plantation programme
15.11.2022	Shibaprasad Sangram Singh,JDE(UEBP), Dr. P. Srinivas, Principal Scientist, CHESS, CDAO, ADH, PD Watershed, DFO, DPC (Mission Shakti)	For attending the 19th SAC meeting of KVK,Boudh

4. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs. /Unit)	After (Rs. /Unit)
Small scall vegetable nursery raising	30	32%	40,000/-	90,000/-
IFS	10	48%	6,00,000/-	13,00,000/-
Mango Pineapple intercropping	12	52%	5,00,000/-	12,00,000/-
Orchard Nursery Management	08	20%	2,50,000/-	5,00,000/-
Rearing of improved breed of Poultry	10	30%	70,000/-	1,00,000/-

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**
Integrated Farming system	KVK, Boudh motivated many farmers of 3 blocks of the district and mobilized them for development of integrated farming system, especially who have pond. There are so many farmers who have established this model in their farm and gave employment lots of unemployed rural youth of their locality in their farm. Within a short time, those famers transformed into them a successful farmer and became a great example for the farming community & the how adopting IFS model could be the way forward for higher income and sustainability.
Mango pineapple intercropping	KVK, Boudh also motivated mango growers of the district and imparted knowledge about the potential of mango + pineapple intercropping system. Many of the farmers developed this model in a small scale. Their farms are viewed as reference farms for other mango growers. Considering the impact of interventions in enhancing income, more than 50 mango growers of Boudh districts are planning to follow mango + pineapple model. This is becoming a role model for other educated unemployed rural youth in nursery business and QPM production.
Vegetable Nursery management	
Scientific Fish Cultivation	Krishi Vigyan Kendra, Boudh has been conducted training Programme on Scientific Fish cultivation like regular measurement of water measurement and maintenance of the right number of plankton in the pond with the help of district Fishery Officer, Boudh. More than 40 nos. of fish farmers have been adopted this technology. They used proper amount of feed on regular basis for fish, pond management with preventive and control measured for fish cultivation. Many of them avail subsidy under biofloc technology.

Give information in the same format as in case studies

4.3.

Details of impact analysis of KVK activities carried out during the reporting period: NA

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

4.4. Details of innovations recorded by the KVK: NA

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

4.5. Details of entrepreneurship development: NA

Entrepreneurship development	
Name of the enterprise	**Pradhan Nursery Farm**
Name & complete address of the entrepreneur	Sri Sangram Pradhan, 8456870072/ 943706083 **Address: At-** Balanda, **GP-** Purnakatak, **Block-** Harbhanga, **Dist-**Boudh, **State-** Odisha.
Role of KVK with quantitative data support:	Mr. Pradhan had got training on Gardening and Grafting and **"Quality Planting Material Production in fruit crops "**organised by **Krishi Vigyan Kendra,Boudh** and Dept. of Horticulture respectively and an Extension booklet on "Establishment of fruit orchard " from KVK which inspired him a lot to undertake this. Along with that, he attended training programs at CHES, Bhubaneswar.
Timeline of the entrepreneurship development	He started "Pradhan Nursery" in 2009 with 20 types of fruit crops in 1 acre area. Beside this, he is also doing Fishery in small scale. Initially Mr. Pradhan produced 3000 nos. of graft in 2009 and from 2015 he increased this number to 40,000-50,000/year.
Technical Components of the Enterprise	Mango + Pineapple intercropping, Strawberry in monocropping, QPM production.
Status of entrepreneur before and after the enterprise	Training helped Mr.Sangram to selection the site and encouraged scientific management to various aspects related to Intercropping and QPM production in his Farm. He is also producing quality mango graft in large scale commercially & plans for continuous income throughout the year & undertakes direct marketing of his produce and multiplies plant material for own use to ensure quality & reduce cost. He was awarded as **Best Progressive Farmer in Boudh district** and **Kruti Kushak Samman** by **Govt. of Odisha.**
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	His net profit is Rs.10 lakh/annum from Mango Orchard & 2 lakh from 4000 pineapple plant intercropped with Mango from 2.5-acre area and cultivated strawberry in monocropping has got net profit of Rs.1 lakh per acre. He also got 3to 4 lakh from his nursery.
Horizontal spread of enterprise	He also motivated other mango growers of his area and imparted knowledge about the potential of mango + pineapple intercropping system. Now his farm is viewed as reference farms for other mango growers. Considering the impact of interventions in enhancing income, more than 50 mango growers of Boudh districts are planning to follow mango + pineapple model. He is also trying to give support to other farmers to start their enterprises in small scale. He already became a role model for other educated unemployed rural youth in

	nursery business and QPM production. Six farmers of neighboring village planted mango progeny orchard for graft production. He has engaged lots of workers from his village in his farm for proper maintenance as well as marketing.

4.6. Any other initiative taken by the KVK

5.LINKAGES:

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Odisha University of Agriculture & Technology	Given Technical guidance and arranging extension activities, different types of workshop programme. Arrangements of RAWE programme for students.
Collectorate	• Grievance day meeting • Agril Production council meeting • Periodical technical/ consultative meeting.
Agriculture department	• Arranged In service training to AAO &VAWs and extension activities, skill training programme under ATMA. • Assessing the training needs of farmers in areas of crop improvement,production,protection and mechanization. • Involved in mid monthly DLREI meeting. • Field Day programme • Jointly Diagnostic field visit with KVK scientist to affected Field of the district. • Arranged farmers scientist interaction programme. • Attended Sac meeting as a Sac members and giving valuable suggession.
Horticulture Department	• Assessing the training needs of farmers in areas of crop improvement,production,protection and mechanization with collaboration of agril dept. and KVK. • Seedling supply demonstration programme. • NHM training programme • Attended as a Resource person for Mission Shakti training programme • Jointly Diagnostic field visit with KVK scientist to affected Field of the district. • Attended Sac meeting as a Sac members and giving valuable suggession.
District Social Welfare Society/Mission Shakti.	• Arrangements for supply of WSHGs group members for Mission Shakti training programme. • Involved in Poshan Maah programme for AWW and farm women. • Jointly organized different type of Nutri garden or Nutritional security programme for AWW,Farm women, Pregnant woman, Lactating mothers.
State Bank of India(LDM)	• Given financial guidance to the women self-help group members for further facilities to get loan for starting their entrepreneurship.

Animal Husbandry department	• Advisory services. • Supply of chicks of different types of poultry breeds. • Conducting veterinary campaign for farmers. • Organized collaborative workshop programme with KVK of NADCP for foot and mouth disease. • Attended Sac meeting as Sac members and giving valuable suggestions.
Watershed and soil conservation department	• Organizing awareness programme or training jointly with KVK for planting and bund development, water harvesting structure development and demonstration programme. • Attended as a resource person for different type of extension activities programme. • Attended Sac meeting as a SAC member and giving valuable suggestions.
NABARD	• Involve in farmers group discussion. • Discussion with FPOs for better marketing. • Training to the farmers.
Forestry	• Awareness created about Afforestation programme. • Collaborative programme with KVK about Plantation programme. • Distribution of quality planting material to the farmers of the district.
KVK Subarnapur	• Inpurt purchase(Supply of Kadaknath chicks) • Supply of resource person for different types of extension training programme, workshop, SAC meeting,Exhibitions etc. • Exposure visit.
NGOs	• Arranged awareness programme on different type of agricultural activities, social issues etc. • Organized training programmes. • Attended SAC meeting

5.2. List of special programmes undertaken during 2022by 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) : NA**

a) Programmes for infrastructure development: Nil

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

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

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Farmers fair under Kishan bhagidari prathmikta hamari abhiyaan	It aims to make the farmers aware of key scheme aspects of PMFBY like basic scheme provisions, importance of ensuring the crops and how to avail scheme benefits etc. in the ongoing Kharif Season 2022 along with facilitating farmers in getting benefit of the PMFBY scheme.	April,2022	ICAR -	66,020/-
Garib Kalyan samman sammelan	To support the poorest citizens of India by providing grain through the Public Distribution System	May,2022	ICAR	64,362/-
Agri start up conclave PM Kishan Samman Sammelan	To promote agripreneurship and innovation in agriculture	October, 2022	ICAR	26,092/-
Swachhata Abhiyaan	For making the streets, roads and offices clean from filth and garbage. One of the main objectives of the drive is to make India Open Defecation Free (ODF). The campaign also targets raising public awareness about cleanliness through rigorous media campaigns and to institute door to door garbage collection in rural/urban household and ensuring its safe disposal.	October, December 2022	ICAR	15,000

6. PERFORMANCE OF INFRASTRUCTURE IN KVK: NA

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Poultry	2005-06	21ft*12 ft	Kalinga Brown,Sonali, Kadaknath,Banraj	2000	1	90,000	1,40,000	
2.	IFS	2016-17	143ft*42ft	Fish	1qt	1	5000	20,000	
3.	Vermicom post	2010-11	23ft*11ft		40qt	6 bed	28,000	60000	
4.	Mushroom	2016-17	27ft*13 ft	Paddy straw and	2 qt	1 no.	12500	30000	

	unit			oyster mushroom					
5.	Polyhouse	2010-11	18ft*60ft	Different type of vegetable seedlings	1000000	1 no.	60,000	1,80,000	
	Total						**195500**	**430000**	

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	
Onion (Kharif)	13.08.2022	03.01.2023	0.04	AFDR	Bulk	1.2	2000	3600	-
Onion (Rabi)	12.12.2022	04.04.2023	0.08	NHRDF Red 3 & 4	Bulk	1.3	2000	5200	-
Tomato (Kharif & Rabi)	15.07.2022	03.10.2022	0.08	Kosala, Kabya	Bulk	1.0	1000	4000	-
Brinjal	14.06.2022	16.10.2022	0.04	Sruti Gold	Bulk	1.0	1100	3200	-

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.					

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	Banraj,,Sonali	Chicks	2300	69,360	1,61,000	-
2.	Vermicompost	-	-	10.0 qtls	4,000	15,000	-
3.	Mushroom Spawn	-		10.0 qtls	6,000	15,000	-
4	Fish	Rahu, China Rahu	-	70.0 Kg	2,000	14,000	-

6.5. Utilization of hostel facilities: Nil

Accommodation available (No. of beds):20

Months	No. of trainees stayed	Trainee days (Days stayed)	Reason for short fall (if any)
June	34	03days	
September	25	03 days	
December	15	02 days	
Total:			

(For whole of the year)

6.6. Utilization of staff quarters

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

Months	Q I	QII	Q III	QIV	Q V	QVI
01.06.2012	3R	E-1	E-2	E-3	E-4	2RA
Alloted to staff of KVK,Boudh						

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current KVK Account	SBI, Baghiapada	Baghiapada, Boudh	11758917116
Revolving Account	SBI, Baghiapada	Baghiapada, Boudh	30586643554

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st March, 2023
	Kharif	Rabi	Kharif	Rabi	
Sesamum	1,00,000	-	95,579	-	4,421
Mustard		60,000	-	52,202	7,798

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2021
	Kharif	Rabi	Kharif	Rabi	
Pigeon Pea (LRG-52)	2,70,000	-	2,59,140	-	10,860

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	90,30,000	90,30,000	80,99,376
2	Traveling allowances	1,20,000	1,20,000	1,04,380
3	HRD	30,000	30,000	0
	Contingencies			
A	Office stationaries (OE)	2,40,000	2,40,000	2,40,000
B	POL Vehicle			
C	Meal Refreshment Training	1,80,000	1,80,000	1,80,000

D	Training materials			
E	FLD	90,000	90,000	90,000
F	OFT	90,000	90,000	90,000
G	SCSP Contingency	20,00,000	20,00,000	20,00,000
H	Kisan Bhagidari Prathamikta Hamari	66,020	66,020	66,020
I	Garib Kalyan Sammelan	64,362	64,362	64,362
J	Agri-Startup Conclave	26,092	26,092	26,092
K	Swachhta Expenditure	17,250	17,250	17,250
TOTAL (A)		**11,953,724**	**11,953,724**	**10,977,376**
B. Non-Recurring Contingencies				
1	Office Equipments (IT)	80,000	80,000	80,000
2	Furniture & Fixtures	55,000	55,000	55,000
3	Storage Godown (Works)	5,00,000	5,00,000	5,00,000
4	Borewell (Works)	2,00,000	2,00,000	2,00,000
5	Vehicle (Tractor)	7,50,000	7,50,000	7,50,000
6	Library	10,000	10,000	10,000
TOTAL (B)		**15,95,000**	**15,95,000**	**15,95,000**
C. REVOLVING FUND		**0**	**0**	**0**
GRAND TOTAL (A+B+C)		**13,548,724**	**13,548724**	**12,572,480**

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)
2019-20	2,00,000	1,42,715	71,299	2,71,416
2020-21	2,71,416	1,43,718	97,923	3,17,211
2021-22	1,11817	3,26,036	1,50,267	2,37,484
2022-23	2,37,484	3,06,530	1,55,887	2,98,243

7.6. (i) Number of SHGs formed by KVKs: 07

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

- Nursery Raising techniques of vegetables seedling,
- Vermicompost Production
- Create awareness about Poshan
- Nutritional garden and Nutri thali
- Mushroom Production
- Backyard Poultry Rearing
- Cultivation of Millets Crops
- Integrated Farming System

(iii) Details of marketing channels created for the SHGs

Women self-help groups who have been adopted nursery raising technique, nutri garden, Poultry Rearing and vermicomposting production as an entrepreneur they have also started selling their products seasonally or round the year and become economically independent. Maximum WSHGs are mostly interested in paddy straw mushroom production because of high demand in market. Krishak Mandi has been established in the district for better marketing. Many of them are associated with FPO for better marketing.

7.7. Joint activity carried out with line departments and ATMA

Nameof activity	Number of activity	Season	With line department	With ATMA	With both
NA	NA	NA	NA	NA	NA

8. Other information

8.1. Prevalent diseases in Crops:

	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)
BPH	Paddy	October	15	7%	OFT
BLB	Paddy	October	12	5%	OFT
Stem borer	Paddy	October	15	4%	Trainings
YMV	Vegetables	December	08	4%	FLD, Trainings
Thrips	Onion	January	06	5%	FLD, Trainings

8.2. Prevalent diseases in Livestock/Fishery: NA

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. PPV & FR Sensitization training Programme: Nil

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

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

Type of message	No. of messages	No. of farmers covered
Crop	36	32508
Livestock	-	
Fishery	-	
Weather	3	32508
Marketing	1	32508
Awareness (COVID-19)	8	32508
Training information	-	
Other	-	
Total	**48**	**32508**

9.4. *KVK* Portal and Mobile App: NA

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

9.5. a. Observation of Swachh Bharat Programme: NA

Date/ Duration of Observation	Activities undertaken
06.10.2022	Display of banner at prominent places, taking swachhata pledge
07.10.2022	Cleanliness drive including cleaning of offices, corriders and premises.
21.12.2022	Cleanliness and sanitation drive in the saleising village
28.10.2022	Promoting clean and green technologies and organic farming practices in kitchen garden.
20.12.2022	Swachata awareness at local level involving farmers farm women and village youth
26.12.2022	Celebration of special day- Kisan diwas (Farmers Day) inviting farmers. Experience sharing on swachhata initiatives by farmers & villages.

b. Details of Swachhta activities with expenditure: NA

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	01	1000
2. Basic maintenance		
3. Sanitation and SBM		
4. Cleaning and beautification of surrounding areas	01	4500
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste		
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level		
8. Swachhta Workshops		

9. Swachhta Pledge	03	250
10. Display and Banner	12	2800
11. Foster healthy competition	01	1450
12. Involvement of print and electronic media		
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	60	4500
14.No of Staff members involved in the activities	10	500
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)		
Total	**34**	**15000**

9.6. Observation of National Science Day: NA

Date of Observation	Activities undertaken

9.7. Programme with SeemaSurakshaBal/ BSF : NA

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school: NA

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

Give good quality 1-2 photograph(s)

9.9. Details of Swachhta Hi Suraksha programme (16-31.12.2022) organized:

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
01	• Display of banner at prominent places, taking swachhata pledge • Cleanliness drive including cleaning of offices, corriders and premises.	Kanakpur	25	-	-
02	Cleanliness and sanitation drive in the saleising village	Saleising	30	-	-
03	Promoting clean and green technologies and organic farming practices in kitchen garden.	Khuntiapada	25	-	-
04	Swachata awareness at local level involving farmers farm women and village youth	Ereda	25	-	-
05	Celebration of special day- Kisan diwas (Farmers Day) inviting farmers. Experience sharing on swachhata initiatives by farmers & villages.	KVK Campus,Boudh	30	-	-

9.10. Details of MahilaKisan Divas programme (15.10.2022) organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Mahila Kisan Divas	03	50	CDVO, ADH,Sr.Scientist & Head, All SMS of KVK	-

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.	Manoj Kumar Pradhan	Bhejimal, Harbhanga, Boudh, Pin-762026 Ph:8144491306	Nursery Raising in Protray technique
2.	Subigyan Ranjan Pradhan	Jubrajpur,Lunibahal,Harbhanga,Boudh, Pin-762013,Ph-9078169141	Integrated Farming System
3.	Soumitree Pradhan	Patalipada, Ambajhari, Boudh, Pin-762015 Ph-8658542121	IFS and Brooding management of chicks
4.	Kuna Bagha	Panuasahi,Boudh, NAC(1 No. Ward),Pin-762014 Ph-7077905859	Feeding management, Processing of Milk and its product.
5.	Chakamana Bishi	Unchabahali,Manamunda, Kantamal,Boudh Pin-762014, Ph-6370925806	Integrated Farming System
6.	Pradeep Kumar Bhanja	Lambakani, Boudh, Pin-762014,Ph-8118942155	Integrated Farming System
7.	Shovarani Bhoi	Kanakpur, Boudh, Pin-762026, Ph-9937604704	Vegetable Nursery Raising mangement
8.	Sangram Pradhan	At- Balanda Harbhanga,Boudh, State- Odisha. Mob: 9437060835/8456870072	Mango -pineapple intercropping
9.	Manoj Kr. Pradhan	Gudapada, Block- Boudh, Dist-Boudh, Ph-7735111810	Integrated farming system and organic farming

9.12. Revenue generation: Nil

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

9.13. Resource Generation: Nil

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

9.14. Performance of Automatic Weather Station in KVK: NA

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

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
Odisha	KVK, Boudh	Crop Management	03	250	• Paddy substitute crop with black gram and green gram, cowpea. Grow maize, cowpea to meet fodder crisis. • (Paddy-Vegetable)-Sowing sprouted seeds of varieties like Lalat, Nabeen. • (Paddy-Black gram)-sowing varieties like Swarna,Pratikhya,MTU-1001.

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. Celebration of World Food Day in 2022

Sl. No.	**Activities undertaken**	**No. of VIPs attended**	**No. of participants**		
			M	**F**	**T**
1	World Food Day	05	37	13	50

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

Natural Resource Management

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

Crop Management: NA

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: NA

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: NA

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**	
Natural Farming	01	0.2										
Vermicompost Production	09	0.2										
Azolla	03	0.2										
IFS	01	0.2										
Vegetable nursery raising	10	0.2										

Capacity building:

Thematic area	No of Courses	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
Nursery Raising Management	05	18	32	07	18	30	20	55	70	125
Integrated Farming System	05	20	16	07	10	53	19	80	45	125
Nutrional Garden	03	25	12	08	06	12	12	45	30	75
Scientific Mushroom cultivation	10	28	86	10	18	32	76	70	180	250
Improved poultry breed rearing	02	05	20	02	05	08	10	15	35	50
Mango Pineapple intercropping	03	15	04	05	01	45	05	65	10	75
Vermicompost Production	05	20	16	07	10	53	19	80	45	125
Natural Farming	04	25	08	10	02	45	10	80	20	100
Major Insects and Pests Management in Cotton	10	28	86	10	18	32	76	70	180	250
Major insects and pests management n vegetables	10	45	35	35	15	60	60	140	110	250

Extension activities: NA

Thematic area	No of activities	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
Awareness Camp	04	25	08	10	02	45	10	80	20	100
Group discussion	05	18	32	07	18	30	20	55	70	125
Farmers Scientist Interaction Programme	04	45	10	05	05	35	15	70	30	100

Detailed report should be provided in the circulated Performa: NA

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district: NA

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

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

1.**BPH management using tolerant variety Hasant, Training and awareness programme and diagnostic field visit have been conducted.**

Photograph:



2. **Designing IFS (Agri-Horti-Silvi model) model at Gudpada village.**

Photograph:



3. **HYV rice variety CR-317 and CR-319 have been introduced to the farmer of Boudh district.**
Photographs:


4. **Bio fortified Rice variety CR-310 has been introduced to the farmer which has good cooking quality and good source of nutrition.**
Photographs:


5. **5 Nos. of WSHGs have been started small scall mushroom enterprises for uplifting their livelihood.**
Photographs:



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

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

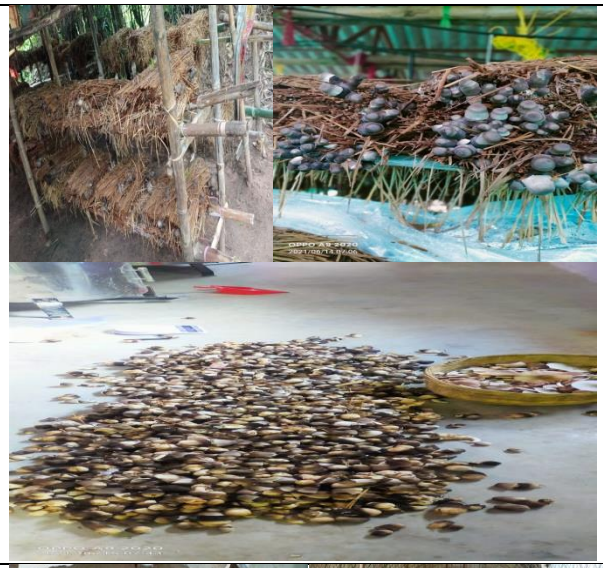
16. Integrated Farming System (IFS):

Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
01	Pond		1qt	2000	15000	3000	
02	Poultry	21ft*12ft	2000	90,000	1,40,000	5000	

17.Technologies for Doubling Farmers' Income:

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	IFS	• Backyard rearing of improved poultry breed, • Scientific rearing of honey bee • Scientific Pisciculture *viz*. liming, manuring, plankton density measurement, techniques of water quality management, feed management, • Multiple stocking, harvesting • Scientific vegetable cultivation.	Rs. 3,60,000	150	   
2	Seedling of water melon are raised in poly bag in backyard	• Mortality in traditional seed sowing was 23% while it was 6% in sowing seeds in ploy bag. • Weed population was reduced due to faster growth of plant in later stage. • Easy to take care of young seedling in backyard than in the main field which is labour and time saving.	Rs.7,81,000	670	 

3.	Paddy Straw Mushroom Production	• Utilization of threshed paddy straw. • Feeding material (Pulse powder) (3% of dry substrate), Spawn(3%), soaking (8hrs), followed by pH (6-7), straining (moisture 65%), bed layering, covering with polythene, harvesting at budding stage.	Rs.0.65 Lakh.	890	
4.	Artificial brooding management in chicks	• Brooding management for 21 days with floor space of 0.3 ft with help of chick guards, • Artificial heat @1-3 watt/chick, feeder and drinkers @ 1 each for 50 birds. • Vaccination against RD on 7th, 28th day IBD on 14thday		120	
5.	Low-Cost Polyhouse for Nursery Raising.	• Raising of seedlings under low-cost pre-fabricated GI frame and UV stabilised polyfilm. • Follow proper technique of nursery raising of different vegetables.	Rs.40,000(2 month)	250	

6.	Scientific Fish Cultivation	• Regular measurement of water parameter • Maintenance of the right number of the plankton • Proper amount of feeding on regular basis for fish • Pond management with preventive and control measures	Rs. 1,60,000/-	87	  
7.	Vegetable Nursery Raising management	• Proper selection of crops and varieties. • Quality seed selection & seed treatment method • Care of nursery and micro climate management • Different plant growing media preparation • Water, pest and disease management	Rs.69,000/-	370	 
8.	Mango Pineapple Intercropping	• Proper selection of suckers • Climate management for better fruiting. • Raised bed management and use of polythene mulching.	Rs.12 lakh	110	 

17. a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2022 : NA

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

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2021

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	

18. 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**

19. Specific programmes for the period

i. Achievements in SCSP (Scheduled Caste Sub-Plan) (Specific for SC farmers only):

Sl. No.	Activity	No. of SC farmers/ stakeholders		
		Male	**Female**	**Total**
1	On- farm trials			
2	Frontline demonstrations (10 Nos)	78	22	100
3	No. of Training programmes for farmers	385	580	965
4	Farmers trained (965)	385	580	965
5	No. of Training programmes for Extension Personnel	28	2	30
6	Extension Personnel trained	28	2	30
7	Participants in extension activities			1360
8	Distribution of seed (200 packets)	138	62	200
9	Planting material distributed (5000 nos.)	52	142	200
10	Livestock strains and fingerlings distributed	-	-	-
11	Soil, water, plant, manures samples tested	60	37	97
12	Mobile agro-advisory provided to farmers	124	126	250
13	Back yard Poultry (2000 nos.)	68	132	200

ii. Capacity building of farmers through training on Profitable Dairy Farming and Livestock Management (In case your KVK has Scientist (Animal/Veterinary Science)): Nil

Sl. No.	Title of the training	Date/ Duration	No. of Participants							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F

iii. Status of Natural Farming: NA

Crop/ Commodity involved in Natural farming	Area covered under such farming (ha)	No. of farmers practicing Natural farming at present	Details of individual farmers (Name and Contact No.)	Organic component/ inputs used for such farming

iv. Farmer Producer Organizations:

a) General information

Sl. No.	Name & Address of FPO	Name &Contact No. of Head of FPO	No. of farmer members of FPO			Crop/ Enterprise dealt with by FPO	Kind of support provided by KVK in running/ starting of FPO (in brief)
			M	F	T		
01.	**Palli Vikash Farmers** At- Pitambarpur,Tileswar, Harbhanga, Boudh-762013, Odisha Ph:7725509155 pallivikashfpc@gmail.com	Rajkishor Agrawalla 9938205733	314	210	524	Fruits and Vegetables	From the Year - 2016 onwards, the Boudh KVK started their activity with the Palli Vikash Farmer. KVK had uplifted 5 to 6 progressive farmers to focus and encourage the other farmers to adopt their technological and economic achievements. The KVK's movement started in the fields of protected crop cultivation. Technical interventions were also made on Quality planting material production in fruit crops(Pineapple intercropped with mango),strawberry etc.
02.	**Bhim Barul Krushak Producer Company Limited** At-Sindhigora (Road Side Pada), P.O-Masinagora, Boudh-762018, Odisha Ph: 9668335622 e-mail: bkpcl@gmail.com	Durgacharan Chaulia 9668335622	277	223	500	Business of Mahua flower with traders, Supply of Paddy seeds to Farmers. Distribution of Onion seeds, Green gram to Farmers in convergence with KVK, Horticulture & Agriculture departments	KVK Emphasized on SRI technique for paddy, distributed pulse seeds under CFLD programme to their farmers. arranged training programme on rabi onion marketing problem
03.	**Banani Krushak Producer Company Limited** At/P.O.- Kantamal, Boudh-762017, Odisha Ph-8260335602 e-mail: santoshmahakul1981@gmail.com	Santosh Mahakul 8260335602	235	211	446	Trading of Cotton and Green gram with traders. Supply of Cotton seed to farmers. Distribution of Onion Seeds, Green gram, Ground nut minikit to farmers in convergence with KVK, Horticulture & Agriculture departments	Provided pulse seeds under CFLDprogramme. They always bring their share holder to KVK for exposure visit, KVK have been organized 2to 3 classes during their visit according on their demand.
04	**Banishree** At/P.O.-Madhpur, Harbhanga, Boudh, Odisha Ph-8763805791 e-mail:	Sanat Pradhan 8763805791	405	142	547	Turmeric, Vegetables, NTFP	KVK highlighted the role of organic farming in agriculture for income generation and health of the consumers.

	peaceful2012@rediffmail.com						
05	**Salunki** At/P.O.-Baghiapada, Boudh-762026, Odisha. Ph-7077774143 e-mail: peaceful2012@rediffmail.com	Ajit Pattanayak 9861684860	347	265	612	Vegetables, Pulses, Mushroom	KVK has been given training on Mushroom cultivation to the 6 nos. of farmers, distributed pulse seeds under CFLD program.
06	**Matima** At/P.O.-Talgaon, Harbhanga, Boudh-762012, Odisha. Ph-9337705201 e-mail: peaceful2012@rediffmail.com	Anar Jani 9438827341	367	137	504	Paddy, Goatary, Vegetable	KVK Emphasized on the eco-friendly horticulture production in the region, SRI technique for paddy and also urged the farmers for adopting the organic farming by giving training.

b) Financial information: NA

Name & Address of FPO	Date of Registration	FPO Registered (Y/N)	Application Submitted for Registration (Y/N)	No. of share-holding farmer members	Equity Amount Collected (Rs.)	Bank Account Opened (Y/N)	Board Reconstituted after attaining minimum membership (Y/N)
Palli Vikash Farmers Producer Company Limited. At- Pitambarpur,Tileswar, Harbhanga, Boudh-762013, Odisha	25.07.2016	Yes	Yes	524	5,24,000/-	Yes	Yes
Bhim Barul Krushak Producer Company Limited At-Sindhigora (Road Side Pada), P.O-Masinagora, Boudh-762018, Odisha	14.09.2018	Yes	Yes	500	5,00,000/-	Yes	Yes
Banani Krushak Producer Company Limited At/P.O.- Kantamal, Boudh-762017, Odisha	17.10.2018	Yes	Yes	446	2,30,000/-	Yes	Yes
Banishree At/P.O.-Madhpur, Harbhanga,	31.03.2018	Yes	Yes	547	5,12,000/-	Yes	Yes

Boudh, Odisha							
Salunki At/P.O.-Baghiapada, Boudh-762026, Odisha.	26.08.2018	Yes	Yes	612	5,03,000/-	Yes	Yes
Matima At/P.O.-Talgaon, Harbhanga, Boudh-762012, Odisha.	06.12.2018	Yes	Yes	504	5,04,000/-	Yes	Yes

v. Nutri-gardens (Village wise):

Sl. No.	Name of village	Name of crop	Area under the crop (acre)	No. of farmers			Whether bio-fortified variety of crop used (If yes, mention variety & crop)
				M	F	T	
01	Kankakpur	Brinjal, Tomato,Cauliflower,Chilli	1.0	08	25	33	No
02	Tutumsingha	Bitter gourd, Okra,Tomato,Coriender,Cluster been,Palak & Methi	1.5	10	15	25	No
03	Polam	Chilli,Methi,Amranthus,Tomato,Brinjal,Okra, Cauliflower	1.0	08	25	33	No
04	Badhigaon	Onion, Okra, Cauliflower, pumpkin, Bottlegourd, Cow pea, Brinjal	1.0	0	25	25	No
05	Lundrujhor	Tomato, Okra, Bitter gourd, Brinjal, Chilli, Methi, Palak, Amranthus.	1.5	05	30	35	No
06	Tetelenga	Bitter gourd, Okra, Tomato, Coriender, Chilli, Methi, Palak, Amranthus	1.5	12	22	34	No

vi. Progress report on scientific beekeeping (2021-22 & 2022-23): NA

Name of KVK	Total budget allotted (Rs.)	Total budget utilized (Rs.)	Physical Training organized				Online Training organized			
			No. of training	No. of total participants			No. of training	No. of total participants		
				M	F	T		M	F	T

20. Any other programme organized by KVK, not covered above: NA

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

21. Good quality action photographs (with proper caption) of overall achievements for KVK during the year (best 10)

Awareness Programme on BPH Management-2022

Celebration of Farmers fair under Kishan Bhagidari Prathmikta Hamari Abhiyaan

Celebration of Akshya Tritiya