Annual Progress Report
2021

Krishi Vigyan Kendra, Kendrapara

ICAR-ATARI, Kolkata, Zone-V

Odisha University of Agriculture and Technology, Bhubaneswar

ANNUAL REPORT 2021 (January-December 2021)

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: Jajang P.O: Kapaleswar Dist: Kendrapara Odisha - 754250	06727-274962		kendraparakvk@yahoo.co.in

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

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture and Technology Siripur Suryanagar Bhubaneswar - 751003	0674 - 2397970/ 2397818/ 2397719/ 2397669 / 2397719 / 2397919 / 2397868	0674 - 2397700	vcouat@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Surya Narayana Mishra		9437982254	suryakrishna4422@gmail.com

1.4. Year of sanction of KVK: 1994

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent/ Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr. Surya Narayan Mishra	Senior Scientist and Head	Pl. Protection	79,800-2,11,500 (87,200)	8.9.2017	Contractual	Others
2	Subject Matter Specialist	Namita Mahapatra	Scientist (Home Science)	Home Sc.	57,700-1,82,400 (79,800)	28.10.2011	Contractual	Others
3	Subject Matter Specialist	Prabhanjan Mishra	Scientist (Horticulture)	Horticulture	15,600-39,100 + AGP 6000 (22,220)	21.11.2018	Contractual	Others
4	Subject Matter Specialist	Dr. Tapas Ranjan Sahoo	SMS (Agronomy)	Agronomy	56,100-1,77,500 (61300)	21.11.2018	Contractual	OBC
5	Subject Matter Specialist	Manas Ranjan Behera	SMS (Fishery Sc.)	Fishery Sc.	56,100-1,77,500 (61300)	3.6.2021	Contractual	SC
6	Subject Matter Specialist	-	-	-	-	-	-	-
7	Subject Matter Specialist	-	-	-	-	-	-	-
8	Programme Assistant	Pravat Kumar Sahoo	Prog. Assistant (Agril.)	Soil Sc.	35,400-1,12,400 (46,200)	4.1.2016	Contractual	OBC
9	Computer Programmer	Prasant Kumar Sahoo	Prog. Asst.(Computer)	Computer Sc.	35,400-1,12,400 (60,400)	3.6.2021	Contractual	OBC
10	Farm Manager	Rajesha Kumar Mohapatra	Farm Manager	Agronomy	35,400-1,12,400 (38,700)	1.2.2019	Contractual	Others
11	Accountant / Superintendent	-	-	-	-		-	-
12	Stenographer	Kishore Chandra Das	Jr. Steno-cum-Comp. Operator	-	25,500-81,100 (39,800)	23.12.2013	Contractual	Others
13.	Driver	Birendra Kumar Parida	Driver-cum-Mechanic	-	19,900-63,200 (23,800)	4.6.2021	Contractual	Others
14.	Driver	Anirudha Gochhayat	Driver-cum-Mechanic	-	19,900-63,200 (26,800)	7.7.2014	Contractual	SC
15.	Supporting staff	Bansidhar Parida	Peon-cum-Watchman	-	16,600-52,400 (24,300)	30.6.2014	Contractual	Others
16.	Supporting staff	Krushna Chandra Bhujabal	Peon-cum-watchman	-	16,600-52,400 (22,900)	29.7.2008	Contractual	Others

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.5
2.	Under Demonstration Units	1.5
3.	Under Crops	5
4.	Orchard/Agro-forestry	2.5
5.	Others with details	1.5
	Total	**12**

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					✓	552	Yes	ICAR
2.	Farmers Hostel					✓	305	Yes	ICAR
3.	Staff Quarters (6)					✓	265	Yes	ICAR
4.	Piggery unit								
5	Fencing								
6	Rain Water harvesting structure								
7	Threshing floor					✓		Yes	ICAR
8	Farm godown					✓		Yes	ICAR
9.	Dairy unit								
10.	Poultry unit					✓		Yes	ICAR
11.	Goatary unit					✓		Yes	ICAR
12.	Mushroom Lab					✓		Yes	ICAR
13.	Mushroom production unit					✓		Yes	ICAR
14.	Shade house					✓		Yes	ICAR
15.	Soil test Lab					✓		Yes	ICAR
16	Others, Please Specify								

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Mahindra Bolero DI 2WD OR02BR6228	2011	460534	192405	Needs major repair
Hero Honda Super Splendor OR 04G4022	2007	42782	57773	15 years old may be condemned

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Flame Photometer	2005	0.66	Bad	ICAR
BOD incubator	2005	1.42	Bad	ICAR
Automatic Nitrogen estimation system (Kelp) analyser	2005	3.57	Bad	ICAR
Hot air oven	2005	0.11	Good	ICAR
pH meter	2005	0.10	Bad	ICAR
EC meter				
Micro Processor (PH) Meter	2005	0.102	Needs major repair	ICAR
Conductivity meter	2005	0.102	Needs major repair	ICAR
Refrigerator	2005	0.092	Needs major repair	ICAR
Electronic top balance	2005	0.95	Needs major repair	ICAR
Physical Balance	2005	0.045	Needs major repair	ICAR
Bouyous Hydrometer	2005	0.065	Needs major repair	ICAR
Mechanical stirrer	2005	0.082	Needs major repair	ICAR
Colony counter	2005	0.045	Needs major repair	ICAR
Plant sample grinder	2005	0.08	Needs major repair	ICAR
Hot water bath	2005	0.04	Needs major repair	ICAR
Horizontal Shaker	2005	0.11	Needs major repair	ICAR
Distil water unit	2005	0.072	Needs major repair	ICAR
Hot air oven	2005	0.105	Needs major repair	ICAR
Laboratory centrifuge	2005	0.09	Needs major repair	ICAR
Bod incubator	2005	1.420	Needs major repair	ICAR
Hot plate	2005	0.025	Needs major repair	ICAR
Spectro photometer	2005	0.301	Needs major repair	ICAR
Flame photometer	2005	0.352	Needs major repair	ICAR
Kelplus	2005	0.45	Needs major repair	ICAR
Mrida Parikshyak	2017	0.90	Functional	ICAR
Mini Lab	2019	1.24	Functional	ICAR
b. Farm machinery				
Tractor	2019	700000	Good	ICAR
c. AV Aids				
LCD Projector	2006-07		Spares are not available	ICAR
Digital camera	2009, 2015-16	27000	1 camera in working condition	ICAR
LED TV	2017-18	28000	Working	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Cage Wheel	2020	7,000	Good	ICAR

1.8. Details SAC meeting* conducted in the year

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	28.1.2021	30	Impact analysis of each technology demonstrated to be done as well as documented	Four success stories have been documented and 5 research articles have been published during 2020	
			Interventions on chemical weed management in rice	Assessment of chemical herbicide for weed management in transplanted rice conducted in *Kharif*, 2020 at Gandakula Village with 7 no of beneficiary in 1 ha Area.	
			Popularization of BPH tolerant rice variety Hasanta and IPM for BPH management	FLD on BPH tolerant rice variety Hasanta and IPM strategies for BPH management in rice were conducted in *Kharif*, 2020 at Nilakanthapur and Tamalsasan respectively village with 10 nos. of farmers and in 2 ha area each.	
			Popularization of wilt tolerant tomato variety	FLD on cultivation of triple disease resistant tomato variety Arka Samrat was conducted during Rabi, 2020-21at Bhandilo and Pakhyota Village with 10 nos. of farmers in 0.8 ha area.	
			Management of alternate bearing in mango	FLD on Flowering regulation through application of paclobutrazol was conducted during Pre rabi of 2020-21at Jajanga and Gandakula village with 10 nos. of farmers in 0.4 ha area.	
			Popularization of IDM in Tomato	Assesment of multiple disease resistant tomato variety Arka Aditya and Arka Abhed continuing in Rabi 2021-22 at Pakhyota and Bhandilo village with 7 nos. of farmers in 0.4 ha area.	
			Popularization of IPM for sucking pest management in Okra	FLD on sucking pest management in okra conducted during Kharif, 2020 at Raghunathpur village with 10 nos. of farmers in 0.8 ha area.	
			Management of neck blast of rice	OFT on IPM for management of neck blast in rice conducted during Kharif, 2020 at Bhandilo Village with 7 nos. of farmers in 0.4 ha area.	

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
			Management of Rhinoceros beetle in Coconut	FLD on use of IPM tools for management of rhinoceros beetle in coconut was conducted in Rabi 2020-21 at Village with 10 nos. of farmers in 0.4 ha area.	
			Production of paddy straw mushroom from crumpled straw	FLD on production of paddy straw mushroom from crumpled straw conducted during Kharif 2020 at Rajgarh Village with 10 nos. of farmwomen.	
			Summer season marigold to be introduced for year round flower cultivation	FLD on cultivation of Bidhan marigold (BM)-2 conducted in rabi 2020-21at Chandanpur and Gandakula Village with 10 nos. of farmers in 0.4 ha area.	
			Value addition and processing of pulses e.g. Greengram	FLD on Moong dal processing by IIPR mini dal processor conducted in Rabi 2020 at Balisahipatna Village with 10 nos. of farmwomen.	
			Kadaknath chicks to be supplied to FPOs	200 Kadaknath poultry chicks have been supplied to Maa Kharakhai FPO, Rajkanika and hatching of Kadaknath poultry eggs is done at KVK (Poultry hatchery unit) and supplied to the farmers	
			Organic vegetable production training to FPOs / SHGs	Training imparted to Baulakani FPO for production of organic vegetables and vermicomposting	

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

2.a. District level data on agriculture, livestock and farming situation (2021)

Sl. no.	Item	Information
1	Major Farming system/enterprise	Rice-Fallow, Rice-Pulse, Rice-Pulse-Vegetable, Rice-Vegetable, Vegetable-Vegetable
2	Agro-climatic Zone	East & South-East Costal Plane Zone
3	Agro ecological situation	Coastal Irrigated alluvium (AES-1) Rainfed alluvium (AES-2) Coastal alluvial saline (AES-3) Coastal waterlogged (AES-4)
4	Soil type	Alluvial (Sandy loam) Saline Black Soil clay loam
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Rice, Greengram, Blackgram & Groundnut
6	Mean yearly temperature, rainfall, humidity of the district	26.8^0 1501.3 mm 78.5 %
7	Production of major livestock products like milk, egg, meat etc.	Fish

Category	Population	Production
Cattle		
Crossbred	29400	31000 MT/ year (milk)
Indigenous	188728	
Buffalo	31735	
Sheep		
Crossbred	43367	324 MT/ year (meat)
Indigenous		
Goats	104474	
Pigs		
Crossbred	9231	
Indigenous		
Rabbits		
Poultry		
Hens	301564	27 million eggs/ year
Desi		
Improved		
Ducks	94200	
Turkey and others		

Note: Please give recent data only

2.b. Details of operational area / villages (2021)

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	Kendrapara	Marshaghai	Gajapitha	Rice, greengram , blackgram, groundnut, jute, mustard, brinjal, okra, tomato, cabbage, cauliflower, mushroom, poultry, apiary	Low yield in rice	IWM, INM, IPM, ICM
2		Patamundai	Gandakula		Low yield in pulses under rice fallow	INM, IPM, IWM
3		Mahakalpada	Itakandia		Low yield in groundnut due to weed	IWM
4		Derabish	Nilakanthapur		Low yield in vegetable	IPM, INM,
5		Rajnagar	Badakota		Low income from mushroom	Value addition
6		Derabish	Ender		Low body weight of backyard poultry	Health management, breed
7		Marshaghai	Raghunathpur			

2. c. Details of village adoption programme:
Name of the villages adopted by PC and SMS (2021) for its development and action plan

Name of village	Block	Action taken for development

2.1. Priority thrust areas

S. No	Thrust area
1.	Management of acid and saline soil.
2.	Management of water logged area
3.	Varietal substitution of major crops
4.	INM, IWM and IPM of major crops
5.	Value addition of tomato, milk and jute
6.	Introduction of small scale remunerative enterprises
7.	Drudgery reduction of farm women
8.	Breed up gradation in livestocks
9.	Introduction of improved poultry variety
10.	Fish health management
11	Integrated fish farming
12	Fish preservation and value addition
13	Feeding management in carp culture
14	Ornamental fish breeding and culture
15	Biofloc fish production
16	Fingerlings and yearlings production

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

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

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

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
0.5	0.38		

** Give no. only in case of fish fingerlings*

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper							
Seminar/ conference/ symposia papers							
Books							
Bulletins							
News letter							

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**
Popular Articles							
Book Chapter							
Extension Pamphlets/ literature							
Technical reports							
Electronic Publication (CD/DVD etc)							
TOTAL							

1. Achievements on technologies assessed and refined

OFT-1

1.	Title of On Farm Trial	**Assessment of IWM in Direct seeded rice**
2.	Problem diagnosed	Lower yield of rice due to higher weed infestation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**FP**: One manual weeding at 45 DAS **TO_1**: Application of pyrazosulfuron @ 20 g/ha as pre-emergence stage i.e 0-3 DAS followed by Bispyribac sodium @ 25 g/ha as post-emergence i.e 25 DAS **TO_2**: Application of Pretilachlor followed by Bispyribac sodium (1000ml & 25 g / ha at 2 & 25 DAS)+ 1 Hand weeding at 40 DAS
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on weed management, OUAT, Bhubaneswar 2017
5.	Production system and thematic area	Rice based cropping system, weed management
6.	Performance of the Technology with performance indicators	Application of Pretilachlor followed by Bispyribac sodium (1000ml & 25 g / ha at 2 & 25 DAS)+ 1 Hand weeding at 40 DAS resulted maximum yield (42.6 q/ha) with higher B:C ratio of 1.64.
7.	Final recommendation for micro level situation	Application of both pre and post emergence herbicides along with one hand weeding gives better weed control in DSR
8.	Constraints identified and feedback for research	Untimely rainfall affects the application of post emergence herbicides
9.	Process of farmers participation and their reaction	Farmers have actively participated and happy with technology.Manual weeding may be skipped as it is labour intensive.

Thematic area: IWM

Problem definition: Lower yield of rice due to higher weed infestation

Technology assessed: Application of Pretilachlor followed by Bispyribac sodium (1000ml & 25 g / ha at 2 & 25 DAS)+ 1 Hand weeding at 40 DAS Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%) WCE	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP	7	211	107	22.1	63.8	36.5	45000	67525	22525	1.50
TO_1	7	228	112	22.5	83.7	40.2	46500	74370	27870	1.60
TO_2	7	236	116	22.8	89.3	42.6	48200	78810	30610	1.64

Results: Application of Pretilachlor followed by Bispyribac sodium (1000ml & 25 g / ha at 2 & 25 DAS)+ 1 Hand weeding at 40 DAS resulted maximum yield (42.6 q/ha) with higher B:C ratio of 1.64.

OFT-2

1.	Title of On Farm Trial	**Assessment of nutrient management in greengram**
2.	Problem diagnosed	Lower yield due to improper nutrient management
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Indiscriminate application of fertilizer 20:40:0(NPK) TO_1: Application of 75% STBR + foliar application of WSF (18:18:18) @ 2% at pre-flowering and pod filling stage TO_2: Application of 75% STBR + foliar application of DAP @ 2% at pre-flowering and pod filling
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on Mullarp, 2017
5.	Production system and thematic area	Rice pulse cropping system, INM
6.	Performance of the Technology with performance indicators	Crop is at branching stage ,result awaited
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: INM

Problem definition: Lower yield due to improper nutrient management

Technology assessed:

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	7									
TO_1	7									
TO_2	7									

Results: Awaited

OFT-3

1.	Title of On Farm Trial	**Assessment of onion varieties Bhima super & Bhima dark red**
2.	Problem diagnosed	Unavailability of quality seed and short supply leading high price raise.
3.	Details of technologies selected for assessment/ refinement (Mention either Assessed or Refined)	**TO_1**: Cultivation of onion variety Bhima super **TO_2**: Cultivation of onion variety Bhima dark red
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-DOGR
5.	Production system and thematic area	Vegetable – vegetable, Irrigated and varietal evaluation
6.	Performance of the Technology with performance indicators	Nos. of leaves, Neck Length, Bulb length, Bulb breadth, weight of bulb(gm), Keeping quality, Yield (q/ha)
7.	Final recommendation for micro level situation	Cont…
8.	Constraints identified and feedback for research	Cont…
9.	Process of farmers participation and their reaction	Cont…

Thematic area: Varietal evaluaion

Problem definition: Unavailability of quality seed and short supply leading high price raise

Technology assessed: Evaluation of suitable onion varieties

Table:

Technology option	No. of trials	Nos. of leaves	Neck Length	weight of bulb (gm)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	-								
TO_1	7								
TO_2	7								

Results: Awaited

OFT-4

1.	Title of On Farm Trial	**Assessment of multiple disease (ToLCV, EB, BW) resistance Tomato Varieties Arka Aditya & Arka Abhed**
2.	Problem diagnosed	High price of hybrid varieties susceptible to diseases like bacterial wilting, early blight, late blight and leaf curl incidence
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**TO_1:** Cultivation of tomato variety Arka Aditya (Resistant to ToLCV, EB, BW) **TO_2**: Cultivation of tomato variety Arka Abhed (Resistant to ToLCV, EB, BW and LB)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-IIHR
5.	Production system and thematic area	Vegetable – vegetable, Irrigated and Varietal evaluation
6.	Performance of the Technology with performance indicators	LCV, Bacterial wilt, Early & Late blight (%), Fruit wt(g), No of fruits per plant, Yield (q/ha)
7.	Final recommendation for micro level situation	Cont…
8.	Constraints identified and feedback for research	Cont…
9.	Process of farmers participation and their reaction	Cont…

Thematic area: Varietal evaluation

Problem definition: High price of hybrid varieties susceptible to diseases like bacterial wilting, early blight, late blight and leaf curl incidence

Technology assessed: Evaluation of Tomato Varieties resistant to wilting, early blight and leaf curl

Table:

Technology option	No. of trials	Fruit wt (g)	No of fruits per plant	Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	-								
TO_1	7								
TO_2	7								

Results: Awaited

OFT-5

1.	Title of On Farm Trial	**Assessment of chemicals for management of fruit borer in chilli**
2.	Problem diagnosed	Pest developing resistance due to regular spray of synthetic pyrothroids
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**TO_1**: Alternate spraying of Novaluron 10 % EC @ 0.8 ml/ lit and Spinosad 45 % SC @ 0.4 ml/lit at 10 days interval **TO_2**: Alternate spraying of Emamectin benzoate 5 % SG @ 0.4 gram/lit. and Cyantraniliprole 10.26 % OD @ 1.2 gram/lit at 10 days interval
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR, Bangalore
5.	Production system and thematic area	Pest management
6.	Performance of the Technology with performance indicators	Pest infestation %, No. of fruits damaged /plant, yield
7.	Final recommendation for micro level situation	Cont…
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area:

Problem definition: Pest developing resistance due to regular spray of synthetic pyrothroids

Technology assessed:

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										
TO_1										
TO_2										

Results: Awaited

OFT-6

1.	Title of On Farm Trial	**Assessment of fungicides for management of late blight in potato**
2.	Problem diagnosed	Huge productivity loss due to late blight infestation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**TO_1:** Tuber treatment with Carbendazim 25 % + Mancozeb 50 % WS @ 6 gram/lit and need base alternate spraying of Azoxystorobin 23 % SC @ 1 ml/lit with Copper oxychloride 50 % WP @ 3 gram/lit **TO_2**: Tuber treatment with Carbendazim 25 % + Mancozeb 50 % WS @ 6 gram/lit and need base alternate spraying of Dimethomorph @ 50 % WP @ 1.0 gram/lit with Zineb 75 % WP @ 2.5 gram/lit
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on potato, OUAT
5.	Production system and thematic area	IPM
6.	Performance of the Technology with performance indicators	Disease infestation %, No. of tuber produced, yield
7.	Final recommendation for micro level situation	Cont…
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area:

Problem definition: Huge productivity loss due to late blight infestation

Technology assessed:

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										
TO_1										
TO_2										

Results: Awaited

OFT-7

1.	Title of On Farm Trial	**Assessment of methods of Milky mushroom cultivation**
2.	Problem diagnosed	Low keeping quality of paddy straw mushroom
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**FP:** Paddy straw mushroom cultivation **TO_1:** Milky mushroom cultivation with casing on top of the bed **TO_2**: Milky mushroom cultivation with casing on horizontally cut halves
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on tropical mushroom, OUAT
5.	Production system and thematic area	Mushroom production
6.	Performance of the Technology with performance indicators	Selflife period, Yield
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area:

Problem definition: Low keeping quality of paddy straw mushroom

Technology assessed: Milky mushroom cultivation with casing on horizontally cut halves

Table:

Technology option	No. of trials	Yield (q/ha)	% increase	Self life	Cost of cultivation (Rs./bed)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP		0.8		12-16 h	50	140	90	2.8
TO_1	7	1.5	87.5	4 days	60	180	120	3.0
TO_2	7	1.9	137.5	4 days	60	200	140	3.3

Results:

OFT-8

1.	Title of On Farm Trial	**Assessment of production of Dyed Jute fibre for value addition in jute**
2.	Problem diagnosed	
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**TO_1:** Preparation of white jute fibre (put fibre in belching solution for 2 hours, wash with normal water and sun drying for 6-8 hours **TO_2**: Preparation of coloured fibre (belched dry fibre soak in 1lit warm water + 50 gram fabric colour)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CRIJAF, 2014
5.	Production system and thematic area	Jute – vegetable, Rainfed, Value addition
6.	Performance of the Technology with performance indicators	Quality of Fibre , Cost, net Return and B: C ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area:

Problem definition: Poor market value of jute fibre

Technology assessed: Preparation of coloured fibre

Table:

Technology option	No. of trials	Quality of Fibre	Cost (Rs./q)	Net return(Rs./q)	BC ratio
FP		Average colour	2884	5000	1.73
TO-I	7	Good colour	12000	40000	3.33
TO-II	7	Very good colour	18000	70000	3.89

Results:

OFT-9

1.	Title of On Farm Trial	**Assessment of efficacy of different probiotics on growth performance of carps**
2.	Problem diagnosed	Low fish yield and more susceptible to diseases due to non-use of probiotics
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP - Feeding with artificial supplementary feed (GNOC and rice bran at 1:1) and no use of probiotics TO_1 - Application of Soil probiotic (Rid all) @ 1 kg/Ac-mt water area TO_2 - Application of Water Probiotic (Water spell) @ 5 Lit/ Ac-mt water area
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	College of Fisheries, OUAT
5.	Production system and thematic area	Pond based, composite carp culture
6.	Performance of the Technology with performance indicators	Length (mm) & Weight (gm), % of disease incidence, Yield (q/ha), B.C ratio
7.	Final recommendation for micro level situation	Continuing
8.	Constraints identified and feedback for research	Continuing
9.	Process of farmers participation and their reaction	-

Thematic area: Composite carp culture

Problem definition: Low fish yield and more susceptible to diseases due to non-use of probiotics

Technology assessed: FP - Feeding with artificial supplementary feed (GNOC and rice bran at 1:1) and no use of probiotics
TO1 - Application of Soil probiotic (Rid all) @ 1 kg/Ac-mt water area
TO2 - Application of Water Probiotic (Water spell) @ 5 Lit/ Ac-mt water area

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										
TO_1										
TO_2										

Results:

OFT-10

1.	Title of On Farm Trial	**Assessment of growth performance of Amur carp, *Cyprinus carpio haematopterus* in carp polyculture**
2.	Problem diagnosed	Low fish yield due to slow growth rate of common carp
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP - Stocking of Catla:Rohu:Mrigal = 3:4:3 TO_1 - Stocking of Catla:Rohu:Mrigal:Amur carp= 3:4:2:1 TO_2 - Stocking of Catla:Rohu:Mrigal:Amur carp= 3:4:1:2 TO_3 - Stocking of Catla:Rohu:Amur carp= 3:4:3
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NFDB Newsletter, 2016
5.	Production system and thematic area	Pond based, varietal evaluation
6.	Performance of the Technology with performance indicators	Average body weight, DO, Plankton conc., Yield (q/ha), B.C ratio
7.	Final recommendation for micro level situation	Continuing
8.	Constraints identified and feedback for research	continuing
9.	Process of farmers participation and their reaction	-

Thematic area: Varietal evaluation

Problem definition: Low fish yield due to slow growth rate of common carp

Technology assessed: FP - Stocking of Catla:Rohu:Mrigal = 3:4:3
TO_1 - Stocking of Catla:Rohu:Mrigal:Amur carp= 3:4:2:1
TO_2 - Stocking of Catla:Rohu:Mrigal:Amur carp= 3:4:1:2
TO_3 - Stocking of Catla:Rohu:Amur carp= 3:4:3

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										
TO_1										
TO_2										

Results:

OFT-11

1.	Title of On Farm Trial	**Assessment of Integrated Nutrient Management in Brinjal for higher yield and more profit**
2.	Problem diagnosed	Lower yield due to improper nutrient management.and get less profit
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP - Application of blanket dose of fertilizer only as basal and not follow INM practices. TO_1 - Application of 75% of ST BR Fertilizer N + f ull P and K. TO_2 - Application of 75% of ST BR Fertilizer N + *Azotobacter* 4 Kg/ha + *Azospirillum* 4 K g/ ha + full P and K
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AINP on Soil Biodiversity- Biofertilizers 2016-17
5.	Production system and thematic area	Vegetable – vegetable, Irrigated and Integrated Nutrient Management
6.	Performance of the Technology with performance indicators	Application of 75% of ST BR Fertilizer N + *Azotobacter* 4 Kg/ha + *Azospirillum* 4 K g/ ha + full P and K resulted highest yield (225 q/ha) and yield attributing characters which, in turn, gives higher net return and B:C ratio (2.64).
7.	Final recommendation for micro level situation	Application of 75% of ST BR Fertilizer N + *Azotobacter* 4 Kg/ha + *Azospirillum* 4 K g/ ha + full P and K is a efficient nutrient management technology as far as economics is concerned.
8.	Constraints identified and feedback for research	Biofertilizer management technology like *Azotobacter*, *Azospirillum* and its time and metod of Application requires more research.
9.	Process of farmers participation and their reaction	Farmers are very much intrested and nicely engaged in this programme.

Thematic area: Integrated Nutrient Management
Problem definition: Lower yield due to improper nutrient management.and get less profit
Technology assessed:
FP - Application of blanket dose of fertilizer only as basal and not follow INM practices.
TO_1 - Application of 75% of ST BR Fertilizer N + f ull P and K.
TO_2 - Application of 75% of ST BR Fertilizer N + *Azotobacter* 4 Kg/ha + *Azospirillum* 4 K g/ ha + full P and K
Table:

Technology option	No. of trials	Yield (q/ha)	% increase in yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	7	180		201000	360000	159000	1.79
TO-I	7	210	16.6	195000	420000	225000	2.15
TO-II	7	225	25.0	170000	450000	280000	2.64

Results: Application of 75% of ST BR Fertilizer N + *Azotobacter* 4 Kg/ha + *Azospirillum* 4 K g/ ha + full P and K resulted highest yield (225 q/ha) and yield attributing characters which, in turn, gives higher net return and B:C ratio (2.64).

OFT-12

1.	Title of On Farm Trial	**Assessment of Integrated Nutrient Management in Cabbage for better Yield**
2.	Problem diagnosed	Lower yield due to improper nutrient management
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP - Application of blanket dose of chemical NPK fertilizer only as basal. TO_1 - STBR NPK + organic management in vegetables, the integrated use of poultry manure (2.5 t/ha) + vermicompost (3.5 t/ha). TO_2 - STBR NPK+ organic management in vegetables, the integrated use of poultry manure (2.5 t/ha) + vermicompost (3.5 t/ha) + bio-inoculation with Azotobacter and Phosphate solubilising bacteria
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIVR 2012-13
5.	Production system and thematic area	Rice-vegetable, irrigated and Integrated Nutrient Management
6.	Performance of the Technology with performance indicators	Application of STBR NPK+ organic management in vegetables, the integrated use of poultry manure (2.5 t/ha) + vermicompost (3.5 t/ha) + bio-inoculation with Azotobacter and Phosphate solubilising bacteria resulted highest yield (243 q/ha) and yield attributing characters which, in turn, gives higher net return and B:C ratio (2.43).
7.	Final recommendation for micro level situation	Application of STBR NPK+ organic management in vegetables, the integrated use of poultry manure (2.5 t/ha) + vermicompost (3.5 t/ha) + bio-inoculation with Azotobacter and Phosphate solubilising bacteria is a efficient nutrient management technology as far as economics is concerned.
8.	Constraints identified and feedback for research	Biofertilizer management technology like *Azotobacter* , *Azospirillum* and its time and metod of Application requires more research.
9.	Process of farmers participation and their reaction	Farmers are very much intrested and nicely engaged in this programme.

Thematic area: Integrated Nutrient Management

Problem definition: Lower yield due to improper nutrient management.

Technology assessed: FP - Application of blanket dose of chemical NPK fertilizer only as basal.

TO_1 - STBR NPK + organic management in vegetables, the integrated use of poultry manure (2.5 t/ha) + vermicompost (3.5 t/ha).

TO_2 - STBR NPK+ organic management in vegetables, the integrated use of poultry manure (2.5 t/ha) + vermicompost (3.5 t/ha) + bio-inoculation with Azotobacter and Phosphate solubilising bacteria

Table:

Technology option	No. of trials	Yield (q/ha)	% increase in yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	7	195		110000	195000	85000	1.77
TO-I	7	230	17.94	115000	230000	115000	2.0
TO-II	7	243	24.61	100000	243000	143000	2.43

Results: Application of) STBR NPK+ organic management in vegetables, the integrated use of poultry manure (2.5 t/ha) + vermicompost (3.5 t/ha) + bio-inoculation with Azotobacter and Phosphate solubilising bacteria

Please provide all the OFTs in same format

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Rice	ICM	Demonstration on Cultivation of BPH tolerant rice variety Hasant	2	2					10		10	0	10	
2.	Rice	IWM	Demonstration on chemical weed management in transplanted rice, Application of pendimethalin @ 750 g/ha as pre-emergence application i.e 0-3 DAT followed by Bispyribac sodium @ 25 g/ha as post-emergence i.e 25 DAT	2	2	2	0	0	0	8	0	10	0	10	
3	Rice	Micro nutrient deficiency in crops	Basal application of STBR NPK + 5t FYM ha-1 + Zn @ 2.5 kg ha-1	1	1	7	0	0	0	3	0	10	0	10	
4	Rice	Micro nutrient deficiency in crops	Basal application of STBR NPK + foliar spray of 0.25% borax at Panicle Initiation stage and at pre flowering stage.	1	1	5	0	0	0	5	0	10	0	10	
5	Rice	Disease management in rice	Seed treatment with tricyclazole @ 3g/kg, Spraying of isoprothilane 40 % EC @ 1.5 ml/lit and Kasugamycin 3% SL @ 2 ml /lit twice at 15 days interval starting from the initiation of disease	1	1	2	0	0	0	8	0	10	0	10	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Rice	Kharif	Rainfed	Clay loam	118-146	8.5-10.2	156-195	Greengram	July 3rd week	Dec 2nd week	580	42
Rice	Kharif	Rainfed	Alluvial	128-240	9.4-13.6	132-181	Greengram	July 3rd week	Dec 3rd week	572	40

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Rice	Kharif	Rainfed, Medium land, transplanted rice	Alluvial	130.2-236.4	7.4 – 12.8	124.2 – 184.8	Green gram	04.8.21	28.12.21	572	41
Rice	Kharif	Rainfed, Medium land, transplanted rice	Alluvial	128.2-222.4	8.4 – 11.8	125.2 – 186.8	Green gram	04.8.21	28.12.21	572	41
Rice	Kharif	Rainfed	Clay loam	118-146	8.5-10.2	156-195	Greengram	July 3rd week	Dec 2nd week	580	42

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Groundnut	INM	Demonstration on INM in Groundnut Application of 100% RDF +FYM @ 5t/ha + Sulphur @ 30 Kg/ha + Boron @ 1.25 kg	10	2	Crop is at pod development stage										
Groundnut	Micronutrient deficiency in crops	Application sulphur @30 kg/ha and Boron @ 1.25 kg /ha as Borax as basal dose.	10	2	210	172	22.09	43000	99900	56900	2.32	40000	77700	37700	1.94

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
Groundnut	IPM	Use of Bird percher, Phoremone trap @ 25 nos /ha, poison bait (10 kg rice barn + 1 kg Jaggery + 100 ml chlropyriphos 20 % EC) and need base alternate spraying of nuvalureon 5.25 % + Indoxacarb 4.5 % @ 2 ml/lit with Lambda – cyhalothrin 5 % EC @ 1ml/lit.	10	1.0	Cont…										
Total															

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

Pulses

Frontline demonstration on pulse crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Greengram	IPM	Management of Hawk moth in greengram: Alternate spraying of neem oil 3000 ppm @ 3ml/liter and Indoxacarb 14.5 % EC @ 0.5 ml /liter	10	1.0	Cont…										
	Total														

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

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Okra	Varietal evaluation	Demonstration of Okra variety Kashi Lalima	10	0.4	163	152	7.24			97500	277100	179600	2.84	95600	228000	132400	2.38
Okra	Plant protection	Seed treatment with Thiomethoxam 70 % WS @ 3gram/kg seed, alternate spraying of Acetamyprid 20 % SP @ 0.15 gram/lit with Tolefenpyrad 15 % EC @ 2 ml/lit at 7 days interval	10	1.0	158	142	11.26										
Mango	Production Technology	Demonstration on application of paclobutrazol for flowering regulation in mango	10	0.4	Cont…												
Papaya	Varietal evaluation	Demonstration on Papaya Variety Arka Prabhat	10	0.4	Cont…												
Marigold	INM	Demonstration on INM in marigold variety Bidhan Marigold - 2	10	0.4	193	149	29.53			175290	636900	461610	3.63	142300	491700	349400	3.1

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
Jute	IWM	Integrated weed management in jute	10	2	18.3	16.4	11.58	87% WCE	67% WCE	48500	95160	46660	1.96	46500	85280	38780	1.83
Cauliflower	Micronutrient deficiency in crops	Basal application of STBR (NPK) + Sulphur @ 30 kg ha-1 + 1 kg Boron as basal application	10	2	210	172	22.09			135000	420000	285000	3.11	195000	344000	149000	1.76
Kitchen garden	Nutrition security	App. area 0.08ha with nutritional rich vegetables and fruits with low cost poly house, trellis and vermicompost unit	10	0.8	2650	976	171.52			19112	53339.7	34228	2.79	13388	28675.8	15287.8	2.14
	Total																

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Total																	

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

** BCR= GROSS RETURN/GROSS COST

Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps																	
Mussels																	
Java Punti	Production management	Java Punti, *Puntius gonionotus as intercrop* in composite fish culture	10	10	Result awaited												
IMC	Production management	"Jayanti Rohu" in composite carp culture for more yield	10	10	Result awaited												
Fish	Fish Disease management	Use of Ivermectin in controlling Argulosis	5	5	Result awaited												
Fish	Fish Nutrition and feeding management	Application of Floating fish feed for maximizing production	10	10	Result awaited												
Ornamental fishes																	
Others (pl.specify)																	
Total																	

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

*** BCR= GROSS RETURN/GROSS COST*

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development	10	10	1.8 kg	1.5 kg	65			35/ bag	126/ bag	91	3.6	32 / bag	105/ bag	73	3.28
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Tomato paste	Value addition	10	10													
Total																

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

Women empowerment

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

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)	Cost reduction (Rs./ha or Rs./Unit)
					Demons ration	Check			
Twin wheel weeder	Brinjal	Use of twin wheel weeder for weeding	10	0.8	230	150	53.3	21	6300

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

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (Pl.specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl.specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl.specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl.specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl.specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										

Sorghum (Fodder)										
Others (Pl.specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	10.10.21, 28.11.21, 13.12.21	3	150	Each FLD has one field day
2.	Farmers Training				
3.	Media coverage				
4.	Training for extension functionaries				

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2021 and Rabi 2021-2022:

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	Mustard	Local toria	5.8	4.9	4.3	10.4	M27+ line sowing of treated seeds with INM and IWM with appropriate plant protection measure	50	20	Crop is at harvesting stage					

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio

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)

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

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended

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

H. Farmers' training photographs

I. Quality ActionPhotographs of field visits/field days and technology demonstrated.

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total			

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

A) Farmers and farm women (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	2	26	16	42	6	2	8	0	0	0	32	18	50
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification	1	12	7	19	5	1	6	0	0	0	17	8	25
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management	1	14	8	22	1	2	3	0	0	0	15	10	25
Production of organic inputs													
Others													
Total	**4**	**52**	**31**	**83**	**12**	**5**	**17**	**0**	**0**	**0**	**64**	**36**	**100**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Offseason vegetables													
Nursery raising	1	24		24	1		1				25		25
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Processing and value addition	1	21		21	2	2	4				23	2	25
Total (a)	**2**	**45**		**45**	**3**	**2**	**5**				**48**	**2**	**50**
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others													
Total (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	1	13	5	18	4	3	7				17	8	25
Processing and value addition													
Others													
Total (d)	**1**	**13**	**5**	**18**	**4**	**3**	**7**				**17**	**8**	**25**
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology	1	6	11	17	4	4	8				10	15	25
Processing and value addition													
Others													
Total (f)	**1**	**6**	**11**	**17**	**4**	**4**	**8**				**10**	**15**	**25**
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													

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
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture	2	30	7	37	8	5	13				38	12	50

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	**2**	**30**	**7**	**37**	**8**	**5**	**13**				**38**	**12**	**50**
IX. Production of Input at site													
Seed Production													
Planting material production													
Bioagents production													
Biopesticides production													
Biofertilizer production													
Vermicompost production													
Organic manures production													
Production of fry and fingerlings													
Production of Beecolonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production	1	12	1	13	2		2				14	1	15
Production of organic inputs	1	13		13	2		2				15		15
Planting material production	1		7	7		8	8					15	15
Vermiculture													
Mushroom Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture	1	15	2	17	3		3				18	2	20
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing	1	17	1	18		2	2				17	3	20
Others													
Total													

C) Extension Personnel (on campus)

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Natural farming	1	11		11	4		4				15		15
Total													

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	3	42	20	62	8	5	13				50	25	75
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification	1	11	8	19	2	4	6				13	12	25
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management	1	10	12	22	2	1	3				12	13	25
Soil & water conservation													
Integrated nutrient Management	1	15	8	23		2	2				15	10	25
Production of organic inputs													
Others													
Total	**6**	**78**	**48**	**126**	**12**	**12**	**24**	**0**	**0**	**0**	**90**	**60**	**150**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops	1	3	16	19		6	6				3	22	25
Offseason 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	1	5	5	10	8	7	15				13	12	25
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards	1	15		15	10		10				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
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													
Aquatic crop	1		13	13		12	12					25	25
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology	1	16		16	9		9				25		25
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Carp breeding and hatchery management													
Carp fry and fingerling rearing	1	16	6	22	2	1	3				18	7	25
Composite fish culture	6	105	25	130	13	7	20				118	32	150
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes	1	13	8	21	2	2	4				15	10	25
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total	**8**	**134**	**39**	**173**	**17**	**10**	**27**				**151**	**49**	**200**
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													
XII. Others (Pl. Specify)													
GRAND TOTAL													

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	1	12	0	12	3	0	3	0	0	0	15	0	15
Planting material production													
Vermiculture	1	14	0	14	1	0	1	0	0	0	15	0	15
Mushroom Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total													

F) Extension Personnel (Off Campus)

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

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

G) Consolidated table (ON and OFF Campus)

i. Farmers& Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off0season vegetables													
Nursery raising													
Exotic vegetables													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Rejuvenation of old orchards													
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													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management	4	51	13	64	19	17	36	0	0	0	70	30	100
Integrated water management													
Integrated Nutrient Management	3	44	5	49	6	19	25	0	1	1	50	25	75
Production and use of organic inputs	1	25	0	25	0	0	0	0	0	0	25	0	25
Management of Problematic soils													
Micro nutrient deficiency in crops	4	86	10	96	4	0	4	0	0	0	90	10	100
Nutrient Use Efficiency													
Balance Use of fertilizer	2	43	0	43	7	0	7	0	0	0	50	0	50
Soil & water testing													
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	**14**	**249**	**28**	**277**	**36**	**36**	**72**	**0**	**1**	**1**	**285**	**65**	**350**
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
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													

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 bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing	1	16	6	22	2	1	3				18	7	25
Composite fish culture	8	135	32	167	21	12	33				156	44	200
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes	1	13	8	21	2	2	4				15	10	25
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total	**10**	**164**	**46**	**210**	**24**	**15**	**40**				**189**	**61**	**250**
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													

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													
XII. Others (Pl. Specify)													
GRAND TOTAL													

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries	1	15	2	17	3		3				18	2	20
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing	1	17	1	18		2	2				17	3	20
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													

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
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													
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													

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agronomy	F&FW	Production technology of Aromatic rice	1	On	23	2	25	4	1	5
Agronomy	F&FW	Integrated weed management in rice	1	Off	13	12	25	3	0	3
Agronomy	F&FW	Mechanical and cultural methods of weed management in rice	1	Off	20	5	25	2	0	2
Agronomy	F&FW	Use of Biofertilizer in rice	1	On	18	7	25	3	1	4
Agronomy	F&FW	Green manuring in rice	1	Off	17	8	25	4	1	5
Agronomy	F&FW	Integrated weed management in Jute	1	Off	25	0	25	3	0	3
Agronomy	F&FW	Chemical weed management in groundnut	1	On	21	4	25	2	1	3
Agronomy	F&FW	Physiological disorder , its Symptoms and their management in Blackgram	1	Off	19	6	25	4	2	6
Agronomy	F&FW	Improved retting techniques in jute by using CRIJAF SONA	1	On	14	11	25	3	3	6
Agronomy	F&FW	Integrated nutrient management in Jute to improve fiber yield	1	Off	22	3	25	10	1	11
Agronomy	RY	Preparation of liquid organic manure	2	On	14	1	15	2	0	2
Agronomy	RY	Seed production in paddy	2	On	13	2	15	3	1	4
Agronomy	IS	Zero budget natural farming	1	On	15	0	15	2	0	2
Horticulture	F & FW	Suitable tomato varieties for processing.	1	On	23	2	25	2	2	4
Horticulture	F & FW	QPM production of pointed gourd and spine gourd.	1	On	25		25	1		1
Horticulture	F & FW	Varieties of okra along with integrated weed, pest and disease management in Okra	1	Off	19	22	25		6	6
Horticulture	F & FW	Protected cultivation of capsicum.	1	Off						
Horticulture	F & FW	Planning, lay out and establishment of Mango orchard.	1	Off	13	12	25	8	7	15
Horticulture	F & FW	Canopy management of Cashewnut plantation.	1	Off	0	25	25			

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Horticulture	F & FW	Scientific package & practice of tuber crop, with special emphasis to tuber treatment before planting.	1	Off	25		25	9		9
Horticulture	F & FW	Methods of crop regulation in mango.	1	Off	25		25	10		10
Horticulture	F & FW	Roof top garden establishment & it's management.	1	Off	4	21	25	1	5	6
Horticulture	F & FW	Suitable varieties of Arecanut for costal area and it's methods of raising nursery.	1	On	17	8	25	4	3	7
Horticulture	F & FW	Process of onion seedling raising, for late kharif season cultivation	1	ON	10	15	25	4	4	8
Horticulture	F & FW	Scientific cultivation of Makhana & Water Chestnut	1	Off		25	25		12	12
Horticulture	RY	Methods of ornamental plant propagation	2	ON		15	15		8	8
Pl. Protection	F&FW	YMV management in okra	1	On	20	02	22	0	03	25
Pl. Protection	F&FW	Management of Fruit & shoot borer in brinjal	1	Off	20	0	20	05	0	05
Pl. Protection	F&FW	Sucking pest management in chilli	1	Off	19	0	19	06	0	06
Pl. Protection	F&FW	Blast disease management in rice	1	Off	0	25	25	0	0	0
Pl. Protection	F&FW	Fruit fly management in cucurbits	1	Off	18	0	18	7	0	7
Pl. Protection	F&FW	IPM practices for management of fungal disease in groundnut.	1	On	23	0	23	02	0	02
Pl. Protection	F&FW	IPM strategy for management of fruit borer in chilli	1	On	24	0	24	0	01	01
Pl. Protection	F&FW	IPM strategy for disease management in potato	1	Off	22	01	23	02	0	02
Pl. Protection	F&FW	Management of diamond back moth in cabbage	1	Off	19	0	19	06	0	06
Pl. Protection	F&FW	Management of serpentine leaf minor in tomato	1	Off	15	9	24	01	0	01
Pl. Protection	F&FW	Fruit fly management in cucurbits	1	Off	01	23	24	0	01	01

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Pl. Protection	F&FW	Management of hawk moth in green gram	1	Off	0	5	5	0	20	20
Pl. Protection	F&FW	IPM practices for management of tobacco caterpillar in ground nut	1	Off	22	3	25	0	0	0
Pl. Protection	F&FW	Management of rhinoceros beetle in coconut	1	Off	25	0	25	0	0	0
Pl. Protection	RY	Bee keeping for income generation	2	On	15	0	12	03	0	03
Pl. Protection	RY	Use of traps in pest management	2	On	15	0	14	1	0	1
Pl. Protection	IS	IPM practices for sucking pest management in chilly	1	Off	15	0	14	1	0	15
Soil Science	F&FW	Application of PMS for acid soil management in pulses	1	On	20	02	22	0	03	25
Soil Science	F&FW	INM in Brinjal for better yield	1	Off	20	0	20	05	0	05
Soil Science	F&FW	Production of Vermiculture & Vermiwash for sustainable Agriculture	1	Off	19	0	19	06	0	06
Soil Science	F&FW	Importance of Zinc in lowland Rice.	1	Off	0	25	25	0	0	0
Soil Science	F&FW	Use of Soil health card for sustainable crop production.	1	Off	18	0	18	7	0	7
Soil Science	F&FW	Importance of Soil testing and process of soil collection.	1	On	23	0	23	02	0	02
Soil Science	F&FW	Importance of Azolla & BGA in rice cultivation.	1	On	24	0	24	0	01	01
Soil Science	F&FW	Green manuring of dhaincha in Saline soil management	1	Off	22	01	23	02	0	02
Soil Science	F&FW	Importance of Boron in lowland Rice	1	Off	19	0	19	06	0	06
Soil Science	F&FW	Micronutrient application in Cabbage	1	Off	15	9	24	01	0	01
Soil Science	F&FW	Training on importance of sulphur and Boron for curd quality enhancement in Cauliflower	1	Off	01	23	24	0	01	01
Soil Science	F&FW	Training on Integrated nutrient Management in Bitter gourd	1	Off	0	5	5	0	20	20

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Soil Science	F&FW	INM in solanaceous vegetable. .	1	Off	22	3	25	0	0	0
Soil Science	F&FW	Importance of Vermicompost in vegetable cultivation.	1	Off	25	0	25	0	0	0
Soil Science	RY	Methods of preparation of Vermicompost	2	On	17	3	20	-	2	2
Soil Science	RY	Methods of preparation of Vermiculture and Vermi Wash	2	On	14	0	14	1	0	1
Home Sc.	F&FW	Milky mushroom cultivation and casing material preparation	1	Off	17	8	25	2	-	2
Home Sc.	F&FW	Nutritional gardening for nutritional security	1	Off	19	6	25	3	-	3
Home Sc.	F&FW	Proper management practice for paddy straw mushroom	1	Off	22	3	25	1	-	1
Home Sc.	F&FW	Back yard kitchen garden and roof top gardening using grow bags	1	Off	16	9	25	2	-	2
Home Sc.	F&FW	Packaging methods for better shelf life of paddy straw mushroom	1	On	18	2	20	3	-	3
Home Sc.	F&FW	Use of twin wheel hoe weeder and cycle weeder in vegetable crops	1	Off	12	13	25	4	1	5
Home Sc.	F&FW	Poultry breeds for better egg production in back yard rearing	1	Off	17	8	25	2	-	2
Home Sc.	F&FW	Feeding of Azola along with feed to dairy animals for milk quality and quantity	1	Off	19	6	25	3	-	3
Home Sc.	F&FW	Seedling raising technique for women SHG	1	Off	22	3	25	1	-	1
Home Sc.	F&FW	Process of bleaching, Scouring and dyeing of jute fiber	1	Off	16	9	25	2	-	2
Home Sc.	F&FW	Preparation of rural handicraft from golden grass	1	On	18	2	20	3	-	3
Home Sc.	F&FW	Dehydrated and value added products from oyster mushroom	1	Off	12	13	25	4	1	5

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Home Sc.	F&FW	Processing and storage of greengram	1	Off	22	3	25	1	-	1
Home Sc.	F&FW	Reduction of nutrient loss in cooking	1	Off	16	9	25	2	-	2
Home Sc.	RY	Preparation and marketing of dairy products	2							15
Home Sc.	RY	Bee keeping for livelihood support	2	On	18	2	20	3	-	3
Home Sc.	IS	Principles and advantages of gender mainstreaming through SHGs in agriculture	1							15
Home Sc.	IS	Nutritional needs for adolescent girls	1	On	17	3	20	-	2	2
Fishery	F/FW	Stocking and post stocking pond management	1	Off	17	8	25	2	-	2
Fishery	F/FW	Composite fish culture	1	Off	19	6	25	3	-	3
Fishery	F/FW	Feeding management in carp culture	1	Off	22	3	25	1	-	1
Fishery	F/FW	Rearing of carp fry and fingerling	1	Off	16	9	25	2	-	2
Fishery	RY	Breeding and culture of ornamental fish	2	On	18	2	20	3	-	3
Fishery	F/FW	Short term culture of minor carps in seasonal ponds	1	Off	12	13	25	4	1	5
Fishery	RY	Rearing of carp fry, fingerlings and yearlings	2	On	17	3	20	-	2	2
Fishery	F/FW	Fish diseases and their management	1	Off	23	2	25	1	2	3
Fishery	F/FW	Multiple stocking and multiple harvesting method of pisciculture	1	Off	20	5	25	2	2	4

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	

**training title should specify the major technology /skill transferred*

b) Details of participation

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Crop production and management													
Commercial floriculture													
Commercial fruit production													
Commercial vegetable production													
Integrated crop management													
Organic farming													
Other													
Total													
Post harvest technology and value addition													
Value addition													
Other													
Total													
Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting													
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery &imlements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation													
Nursery, grafting etc.													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para0vet training													
Other													
Total													
Agricultural Extension													
Capacity building and group dynamics													
Other													
Total													
Grand Total													

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

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

b) Details of participation

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

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													
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 programmes)

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	M	F	Total	M	F	Total
Field Day	5	175	75	250	5	5	2	7	180	77	257
KisanMela		1	94	95	2	4	1	5			
KisanGhosthi											
Exhibition											
Film Show											
Method Demonstrations											
Farmers Seminar	2	32	04	36	1	2	1	3			
Workshop	2	81	23	104	7	23	5	28			
Group meetings	12	228	34	262	12	24	7	31			
Lectures delivered as resource persons	62	230	140	370	15	84	32	116			
Advisory Services	36										
Scientific visit to farmers field	180	860	285	1145	16	156	23	179			
Farmers visit to KVK	5240	2910	2330	5240	18						
Diagnostic visits	245	1200	440	1640	14	112	23	135			
Exposure visits											
Ex-trainees Sammelan	4	71	23	94	6	24	7	31			
Soil health Camp	2	335	85	420	10	15	5	20			
Animal Health Camp	2	80	46	126	13	4	3	7			
Agri mobile clinic	-										
Soil test campaigns	2	32	14	46	4	2	-	2			
Farm Science Club Conveners meet	1	25	3	28	2	2	1	3			
Self Help Group Conveners meetings	8	-	126	126	4	4	8	12			
Mahila Mandals Conveners meetings	2	-	24	24	2	-	2	2			
Celebration of important days											
Sankalp Se Siddhi											
Swatchta Hi Sewa											
Mahila Kisan Divas	1	-	51	51	2	8	2	10	8	59	67
Agriculture education day	1	16	0	16	2						
Women in agriculture day		-	40	40	1						
International women's day	1	-	70	70	2						
World Water Day											
Total											

B. Other Extension activities

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

3.5 a. Production and supply of Technological products

Village seed

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Paddy	Kalachampa										
Paddy	Sarala										
Grand Total											

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Vegetable seedlings											
Cauliflower	Megha	900	1800	11		03		42		56	
Cabbage	NS-43	900	1800	12		02		25		39	
Broccoli		600	1200	10		04		14		28	
Tomato	NS-Surakhya,Arka Samrat,NS-577	3300	6600	21		09		77		107	
Brinjal	Swarna Shayamali	4155	8310	11		03		67		81	
Chilli	Utakal Ava,	650	1300	07		05		39		51	
Onion											
Inca	BM-2	200	400	02		03		11		16	
Pointed Gourd	Swarna Aloukik	396	3960	13		04		55		72	
Drumstick	PKM-1	20	400	03		01		13		17	
Fruits											
Mango											
Guava											
Lime											
Papaya	Arka Prabhat, Arka Surya,Pusa Nanha	954	19080	11		05		31		47	
Banana											
Others											
Ornamental plants											
Medicinal and Aromatic											

Plantation											
Spices											
Turmeric											
Cinnamon		15		02		01		05		08	
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Others, pl.specify											
Total											

Production of Bio-Products

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

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				SC		ST		Other		Total	
				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)	Kuroiler	3455	152725	88	0	212	300				
	Kadaknath	2110	110400	15	0	35	50				
	Sourangi	100	5200	4	0	6	10				
	Aseel	1000	35500	11	0	24	35				
	RIR	700	22000	11	0	14	25				
	White Leg horn	360	10340	3	0	9	12				
Japanese Quail		200	3200	2	0	3	5				
Turkey											
Emu											
Ducks											
Others (Pl. specify)											

Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings	Catla, Rohu, Mrigal	38,000	Rs 67,000	5				33	9	38	9
Spawn											
Others (Pl. specify)											
Grand Total											

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

i) Name of Seed Hub Centre:

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

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2020						
Rabi 2020-21						
Summer/Spring 2021						
Kharif 2021						
Rabi 2021-2022						

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				
2020-2021				
2021-2022				

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper				
Seminar/conference/ symposia papers				
Books				
Bulletins				
News letter				
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature				
Technical reports				
Electronic Publication (CD/DVD etc)				
TOTAL				

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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.					
2.					

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	
Address	
Contact details (Phone, mobile, email Id)	
Landholding (in ha.)	
Name and description of the farm/ enterprise	
Economic impact	
Social impact	
Environmental impact	
Horizontal/ Vertical spread	

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

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

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

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

b. Give details of organic farming practiced by the farmer

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

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

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

3.11. a. Details of equipment available in Soiland Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
1.	Flame Photometer Micro Processor (PH) Meter	1 No.
2.	BOD incubator Conductivity meter	1 No.
3.	Automatic Nitrogen estimation system(Kelp) analyser Refrigerator	1 No.
4.	Distillation unit Electronic top balance	1 No.
5.	Hot air oven Physical Balance	1 No.
6.	Electronic top pan balance Bouyous Hydrometer	1 No.
7.	Conductivity meter Mechanical stirrer	1 No.
8.	Bouyous Hydrometer	1 No.
9.	Mechanical stirrer	1 No.
10.	Colony counter	1 No.
11.	Plant sample grinder	1 No.
12.	Hot water bath	1 No.

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			
50	225	275	350	14	1375

3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1.	World Soil Day	50	-	-	50	50

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

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

3.13. Technology week celebration

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

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

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit

4. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

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

4.2. Cases of large scale adoption (Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	**Horizontal spread**

Give information in the same format as in case studies

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

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

4.4. Details of innovations recorded by the KVK

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

4.5. Details of entrepreneurship development

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

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
ICAR-ATARI, Kolkata	As a funding source, HRD of Scientists
OUAT, Bhubaneswar	Holistic approach and development as Host Institute, procurement of paddy seeds, planting materials, Tricho cards, poultry, mushroom mother spawn, etc.
JRS, Jajanga	Research Extension Linkage, regional programmes, preparation of different agricultural and allied strategies for development, technology transfer, participation in zonal meeting
CIFA, Bhubaneswar	Procurement of IMC spawn & fry
CHES, Bhubaneswar	Procurement of Inputs, Training programmes, participation in SAC Meeting, Exposure visit, Organization of a field day on Mango sooty blotch treatment during post-harvest period to get quality fruits
ICAR- MANAGE, Hyderabad	Participation in training programmes
NABARD	Contribution for Establishment of farmers clubs, Contribution for Pilot project on technology transfer, Marketing credit counselling
District Administration	District technical committee meeting, all technical activities pertaining to farmers
D.R.D.A, Kendrapara	District development discussion, collaborative programme, involvement of KVK beneficiaries for NREGS, organizing training for watershed management, rural youth and agro-entrepreneurs, construction assistance
DSWO, Kendrapara	In-service training programme for AWWs & Extension Functionaries on Supplementary diet for pregnant, Lactating Mother and children from location specific food, Calorie & Protein value estimated for additional SNP for severely underweight children in the district, Method, capacity building training to SHGs under Mission Shakti for poultry farming & Goat farming, celebration of International Women Day
Dept. Mission Shakti	Rural youth training, celebration of women in agriculture day
OSSC, Bhubaneswar	Procurement of seeds for demonstration, Sale of foundation seed of paddy
State Agril. Deptt., ATMA, NFSM	Assessment and validation Programme, cluster demonstration, BPH infested field visit with line dept. field functionaries, World Soil Day, Strategy & RE meeting
State Horticultural Deptt.	Convergence programme, training on programmes, verification of Nursery, associated with NHB
State Veterinary Deptt.	Small animal development programme, vaccination and deworming, AI Scheme, verification of schemes along with bank linkage & Animal Health Camps
State Fishery Dept.	Distribution of IMC fingerlings, Verification of Schemes
Watershed, Kendrapara	RAD programme, QPM for cashew improvement, Supply of seedlings & saplings
Forestry Department	Plantation programme
RING KVK (Jagatsinghpur, Jajpur)	Planning and implementation of programmes for agroclimatic journal, Sharing of Resource person
NGOs	Acceleration of activities of SHGs and rural youth clubs, Capacity building of NGO functionaries through various interventions

5.2. List of special programmes undertaken during 2021by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./ NABARD/ NHM/ NFDB/ Other Agencies (information of previous years should not be provided)

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety / breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Vermicompost	2010-11	24	Eisenia fetida	Cow dung-500cft	25 Qntl vermicompost & 20 kg vermi	9000	47500	Vermicompost - Rs.37500 Vermi-10000
2.	Azolla	2018-19	20			1.0q	300	1000	
3.	BGA	2018-19	22			0.5q	100	500	
4.	Medicinal unit	2016-17	310						
5.	Net house	2009-10	112						
6.	Areca nut unit	2018-19	290						
7.	Mango orchard	2007-08	755						
8	Fodder unit	2019-20	335						
9	Sweet potato	2016-17	32						
10	Dragon fruit	2019-20	22						
11	Mushroom unit	2010-11	48						
12	Poultry unit	2009-10	64						
13	Duckery unit	2009-10	15						
14	Pointed gourd	2019-20	8						
15	Bi-pesticidal unit	2018-19	16						

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	

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

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

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.							
2.							
3.							

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

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

(For whole of the year)

6.6. Utilization of staff quarters

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

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April, 2021
	Kharif	Rabi	Kharif	Rabi	

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	

2019.5. Utilization of KVK funds during the year 2021-22(Not audited)

Sl.No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances			
2	Traveling allowances			
3	Contingencies			
A				
B				
C				
D				
E				
F				
G				
H				
I				
J	Swachhta Expenditure/ SAP Fund			
TOTAL (A)				
B. Non-Recurring Contingencies				
1				
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2019-20	2,33,228	8,67,129	9,80,316	1,20,041
2020-21				
2021-22				

7.6. (i) Number of SHGs formed by KVKs
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities
(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both

8. Other information

8.1. Prevalent diseases in Crops

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

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru Yuva Kendra (NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

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

Type of message	No. of messages	No. of farmers covered
Crop	24	35,72,784
Livestock	1	12,509
Fishery	2	1,28,397
Weather	1	1,48,983
Marketing		
Awareness	7	7,07,112
Training information		
Other	1	1,48,955
Total	**36**	**47,18,740**

9.4. KVK Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	63,836
2.	No. of farmers registered in the portal	60,500
3.	Mobile Apps developed by KVK	-
4.	Name of the App	-
5.	Language of the App	-
6.	Meant for crop/ livestock/ fishery/ others	-
7.	No. of times downloaded	-

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken

b. Details of Swachhta activities with expenditure

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

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school

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

Give good quality 1-2 photograph(s)

9.9. Details of Swachhta Hi Suraksha programme (16-31.12.2021) organized

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

9.10. Details of Mahila Kisan Divas programme (15.10.2021) organized

Sl.No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Awareness on women empowerment	4	30	-	-

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	Mrs. Amita Rout	At: Padini , Block Rajnagar, Dist: Kendrapara	Leading in enterprise
2	Mrs. Ipsita Swain	At : Adhanga Malikeswarpur Block: Derabis, Dist: Kendrapara	Leading in enterprise
3	Mrs. Sailabala Samal	At: Bhratpur Block: Kendrapara Dist: Kendrapara	Leading in enterprise
4	Mrs. Gitanjali Nayak	At: Napanga, Block: Patamundai Dist: Kendrapara	Leading in enterprise

9.12. Revenue generation

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

9.13. Resource Generation:

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

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

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

a) Year:
b) Introduction / General Information:

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

11. Celebration of World Food Day in 2021

Sl. No.	Activities undertaken	No. of VIPs attended	No. of participants		
			M	F	T
1	Distribution of planting materials, mushroom spawn	-	25	35	60

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

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
Low cost poly tunnel for seedling raising	1	3	0.01					3		3		3	
Poly mulching in vegetable	1	25	2					25		25		25	
Vegetable cultivation in grow bag	1	10	0.05						10		10	10	
Vermicompost production	1	6	200 m^2					6		6		6	
Piara cropping (Rice-black gram)	1	20	5							25		25	

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted									Remarks
		SC		ST		Other		Total			
		M	F	M	F	M	F	M	F	T	
Rice- CR 1009 sub 1	2					10		10		10	
Rice-Swarna sub-1	3					10		10		10	
Tomato - Chieernjeevi	1					5		5		5	
Sweet corn cultivation	.6					5		5		5	
Greengram IPM-02-14	2					10		10		10	

Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
Portable poultry housing system	150	5	250 m^2		5						5	5	
Improved goat housing system	22	2	500 m^2	2						2		2	
Composite Pisciculture	4000	3	.4					3		3		3	
Management of cattle shed	6	3	1000 m^2							3		3	
Back yard poultry Kadaknath	500	5	500		5							5	
Stress tolerant duck breed Khaki campbell	200	3	200		3							3	

Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	
Mushroom cultivation	10	10		3				7		10	10	
Value addition in jute	10	10		3				7		10	10	
Community fodder bank	5	1							5		5	

Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
Crop Production	2	8				30	12	38	12	50
Soil health management	2	13	2			26	9	39	11	50
Composite fish culture	2	17				33		50		50
Protected cultivation	2	9	5			22	4	31	9	50
Crop Protection	2	13				37		50		50
Processing &Value addition	2		23				27		50	50

Extension activities

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

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

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

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

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

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

16. Integrated Farming System (IFS)

Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1	Pisciculture	0.2	40000 IMC fingerlings	45000	67000	17	60
2	Arecanut	115 plants	Newly planted	37200			
3	Tomato & brinjal with mulching	0.05	Cont…				
4	Betelvine	0.01	Cont…				

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					
2					

18. a) Information on ASCI Skill Development Training Programme, if undertaken during 2021

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	

19. Information on NARI Project (if applicable)

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

20. 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			
3	No. of Training programmes for farmers			
4	Farmers trained			
5	No. of Training programmes for Extension Personnel			
6	Extension Personnel trained			
7	Participants in extension activities			
8	Distribution of seed			
9	Planting material distributed			
10	Livestock strains and fingerlings distributed			
11	Soil, water, plant, manures samples tested			
12	Mobile agro-advisory provided to farmers			
13	Other (Please specify)			

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

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

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		

b) Financial information

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)

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	

vi. Progress report on scientific beekeeping (2020-21 & 2021-22)

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

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

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

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

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