Annual Report
2022

KRISHI VIGYAN
KENDRA BURDWAN

Submitted by

KRISHI VIGYAN KENDRA BURDWAN
ICAR-Central Research Institute for Jute & Allied Fibres
Budbud, Purba Bardhaman, W.B. 713403
Telefax: 0343-2513651
www.kvkcrijaf.org.in

PROFORMA FOR ANNUAL REPORT(January - December 2022)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
Bud Bud, Purba Bardhaman-713 403, West Bengal	Office - 0343 2513651	Fax - 0343 2513651	kvkburdwan@gmail.com **Web:** www.kvkcrijaf.org.in

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

Address	Telephone		E mail
	Office	FAX	
ICAR-Central Research Institute for Jute and Allied Fibres, Nilgunj, Barrackpore Kolkata- 700 120. West Bengal	033-25356124-25	033- 25350415	director.crijaf@icar.gov.in crijaf-wb@nic.in

1.3. Name of the Programme Coordinator with phone & mobile No.

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Sk. Md. Azizur Rahman (Sr. Scientist and Head)	--	6296651271 9435378886	r_aziz@rediffmail.com

1.4. Year of sanction of KVK: **2005 vide order No. 5-24 / 2002 – AE – I, dated April 01, 2005**

1.5. Staff Position (**as on 1st January, 2023**)

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. Sk. Md. Azizur Rahman	Senior Scientist & Head	Entomology	PB-4 (Rs 37,400-67,000) +9000. Level 13A Basic: Rs. 161600	27.12.18	Parmanent	GEN
2	Subject Matter Specialist	Dr. Dipankar Ghorai	SMS (Agriculture)	Agriculture	Rs. 78800-209200 Basic: Rs. 96900	26.04.2006	Permanent	GEN
3	Subject Matter Specialist	Dr. Subrata Sarkar	SMS (Horticulture)	Horticulture	Rs. 78800-209200 Basic: Rs. 96900	04.05.2006	Permanent	GEN
4	Subject Matter Specialist	VACANT						
5	Subject Matter Specialist	VACANT						
6	Subject Matter Specialist	VACANT						
7	Subject Matter Specialist	VACANT						
8	Programme Assistant	Mr. Sandipan Garai	Prog. Assistant	Agriculture	Rs. 56100-177500 Basic: Rs. 71900	18.04.2006	Permanent	OBC
9	Computer Programmer	Sk Golam Rasul	Prog. Assistant (Computer)	Computer	Rs. 56100-177500 Basic: Rs. 65000	10.04.2006	Permanent	GEN
10	Farm Manager	Mr. Soumya Sarathi Kundu	Prog. Assistant (Farm Manager)	Agriculture	Rs. 56100-177500 Basic: Rs. 65000	06.01.2007	Permanent	GEN
11	Accountant / Superintendent	Mr. Nilesh Ray	Assistant	--	Rs. 35400-142400 Basic: Rs. 41100	27.11.2017	Permanent	GEN
12	Stenographer	VACANT	-----					
13.	Driver	Mr. Joydeep Pal	Driver – cum - mechanic	--	Rs. 25500-81100 Basic: Rs. 37000	06.07.2006	Permanent	GEN
14.	Driver	Mr. Santi Nath Pal	Driver– cum - mechanic	--	Rs. 25500-81100 Basic: Rs. 37000	10.07.2006	Permanent	OBC
15.	Supporting staff	Mr. Shyamal Bhanja	Supporting staff	Peon	Rs. 19900-63200 Basic: Rs. 30200	25.02.2006	Permanent	GEN
16.	Supporting staff	Mr. Anup Das	Supporting staff	Cook	Rs. 19900-63200 Basic: Rs. 30200	01.03.2006	Permanent	SC

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	3.5
2.	Under Demonstration Units	2.5
3.	Under Crops	7.0
4.	Orchard/Agro-forestry	2.0
5.	Others with details	3.0
	Total	**18.0**

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					√	552	Under use	ICAR
2.	Farmers Hostel					√	306	Under use	ICAR
3.	Staff Quarters (6)					√	400	Under use	ICAR
4.	Piggery unit								
5	Fencing					√	925 m	Under use	ICAR
6	Rain Water harvesting structure					√	7000	Under use	MGNREGA
7	Threshing floor	√							
8	Farm godown	√							
9.	Dairy unit	√							
10.	Poultry unit	√							

11.	Goatary unit					√	50	Under use	ICAR
12.	Mushroom Lab	√							
13.	Mushroom production unit	√							
14.	Shade house					√	1008	Under use	RKVY
15.	Soil test Lab					√	Instrumental support	Under use	ICAR
16	Others, Please Specify								
17.	Feed preparation Unit					√	Instrumental support	Under use	ATMA
18.	Integrated farming system					√	6000	Under use	ICAR
19.	Vermicompost unit					√	60	Under use	ATMA
20.	Portable carp hatchery					√	30	Under use	ICAR
21.	Deep tube well					√	Depth 80 ft.	Under use	ICAR

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
TATA SUMO WB 40 C 9883	01.04.1999	---		Condemned
Tractor WB 39 3472	01.04.1999	---		Not in working condition
Tractor WB 42 AT 5641	25.02.2019	6,19,054.00	378 Hrs	Working condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Flame photometer	2006-07	29813.00	Out of order	ICAR
Spectrophotometer	2006-07	46283.00	Out of order	ICAR
Shaker	2006-07	20756.00	In working condition	ICAR
Hot air oven	2006-07	5344.00	In working condition	ICAR
Hot plate	2007-08	14000.00	Out of order	ICAR
Glass distillation unit	2007-08	28000.00	In partially working condition	ICAR
Conductivity bridge	2007-08	10000.00	Out of order	ICAR
pH meter	2007-08	9563.00	Out of order	ICAR
Electronic balance	2007-08	12375.00	Out of order	ICAR
Grinder	2007-08	19500.00	In working condition	ICAR
Kjeldahl N analyser	2008-09	250474.00	In working condition	ICAR
Atomic absorption spectrophotometer	2012-13	944832.00	In working condition	ICAR
Mridaparikshak	2015-16	117450.00	Working	ICAR
PUSA STFR Meter	2017-18	86000.00	Working	ICAR
b. Farm machinery				
Tractor	01.04.1999	--	Out of order	ICAR
Power reaper	2011-12	85476.00	In working condition	ICAR
c.AV Aids				
LCD projector	2008-09	109000.00	Out of order	ICAR
Computer with accessories (2 Nos.)	2009 -10	49920.00	In working condition	ICAR

LCD TV	2010-11	13110.00	In working condition	ICAR
Digital Camera	2010-11	14790.00	Out of order	ICAR
Digital SLR Camera	2017-18	38359.00	In Working condition	ICAR
Laptop	2017-18	32989.00	In Working condition	ICAR
Tablet	2018-19	29590.00	In Working condition	ATMA
Computer	2017-18	35999.00	In Working condition	ICAR
Printer(all in one)	2017-18	9575.00	In Working condition	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
TAB	22.01.2019	29590.00	Working	ICAR
brush cutter	26.3.2019	17378.80	Working	ICAR
Potato Digger (MOGA)	29.03.2019	17378.80	Working	ICAR
Power weeder (Shrachi)	29.03.2019	154600.00	Working	ICAR
Leveller blade	29.03.2019	81900.00	Working	ICAR
Tractor	25.02.2019	619054.00	Working	ICAR
Honda pump	28.01.2019	49999.00	Working	ICAR
Two wheel trolly	13..02.2019	150000	Working	ICAR
Hood regular	30.05.2019	3150.00	Working	ICAR
Cage wheel	03.06.2019	11400.00	Working	ICAR
Tractor hitch	26.07.2019	3100.00	Working	ICAR
New ABC (0.4 kg) type fire extinguisher	13.03.2020	23128.00	Working	ICAR
Rice transplanter Make GOMADHI , Model WBT-	16.03.2020	311359.00	Working	ICAR

4K				
Round Straw Baler Make GOMADHI Model AB1050	16.03.2020	377440.00	Not in used	ICAR
BMW furrow opener Make BMW Model BMW furrow opener	16.03.2020	45000.00	Working	ICAR
Multi crop planter Make National Agro industries Model NMCP4	16.03.2020	103900.00	Not in used	ICAR
Seed grading /fine cleaner machine	14.03.2020	614250.00	Not installed	ICAR
Parts of micro irrigation system	11.02.2020	40596.00	Working	ICAR
Parts of micro irrigation system	11.02.2020	36862.00	Working	ICAR
Parts of micro irrigation system (sprinkler)	11.02.2020	17378.00	Working	ICAR
VST Shakti MT171 DI Samrat High Trque 2W Mini tractor	31.01.2020	258300.00 .	Working	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.	20.01.2022	27	Annexure I		

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

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

Purba Bardhaman

Sl. no.	Item	Information
1	Major Farming system/enterprise	Rice production system Dairy –poultry production system Poultry Goatery Duckery Fishery Rice – potato-fodder- livestock production system Rice –vegetable-Rice production system Jute-rice production system Fish-duck-banana production system
2	Agro-climatic Zone	**1. New Alluvium** Average annual rainfall 1300-1600 mm, Soil type- sandy loam, clay and clay loam, Soil depth 4-6 ft with medium to good water holding capacity, **Neutral to acidic soil with good fertility.** **2. Old Alluvium** Average annual rainfall 1300-1500 mm, Soil type- sandy loam and clay loam Soil depth 4-6 ft with medium to good water holding capacity **Neutral to acidic soil with good fertility**
3	Agro ecological situation	**Agro ecological sub region 12.3 under the AES 12.0 (Eastern Plateau)** II. Moist and sub humid ecosystem with alluvial soil with LGP of 180-200 days covering the blocks of Burdwan (N), Burdwan (S), Kalna & Katwa, Main crops paddy, mustard, **sesame, potato, jute, vegetables etc. The area covers 517532 ha**

4	Soil type	**1.Gangetic alluvial – 206423 ha** Soil order is entisols. Sandy loam to clay loam, fine in texture, slightly acidic to neutral in reaction. Rich in potash and medium to rich in available plant nutrients. **2. Vindhya alluvial – 311000 ha** Soil order is entisol Sandy loam to clay loam, fine to moderate coarse in texture, acidic to neutral in reaction.
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Aman paddy – 32.73 Boro paddy – 26.95 Wheat – 21.99 Pulses – 8.80 Oilseeds – 10.01 Jute & other fibres ** - 18.7 lakh bales Potato – 212.49
6	Mean yearly temperature, rainfall, humidity of the district	Mean yearly temperature: Max – 31, Min – 18 Relative humidity : 76 Total rainfall: 1136 mm
7	Production of major livestock products like milk, egg, meat etc.	Milk : 464080 tonnes, 280 kg/year Egg: 2672.40 lakh egg, 85 no. eggs/year Meat : 4000 MT

Note: Please give recent data only

Paschim Bardhaman

Sl. no.	Item	Information
1	Major Farming system/enterprise	Rice production system Dairy –poultry production system Poultry Goatery Duckery Fishery Rice –vegetable-Rice production system
2	Agro-climatic Zone	**1. Red and Lateritic** Average annual rainfall 1100-1400 mm, Soil type- sandy loam, coarse in texture Undulating land with low soil depth, sometimes hard layer present in sub surface **Medium to highly acidic soil**

3	Agro ecological situation	**Agro ecological sub region 12.3 under the AES 12.0 (Eastern Plateau)** I Chhotonagpur Plateau and Garhjat hills, hot dry sub humid ecosystem with red & laterite soils and LGP 150-180 days covering the blocks of Durgapur & Asansol. Main crops are, paddy, mustard, vegetables, pulse etc. The area covers 186154 ha
4	Soil type	**1. Red and Lateritic – 186054 ha** Soil orders are mainly alfisol and ultisol. Coarse gritty soil blended with rock fragment, mainly acidic in nature, reddish in color due to high level of iron, low in nitrogen, calcium, phosphate and other plant nutrient.
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Aman paddy – 26.83 Wheat – 21.99 Pulses – 7.92 Oilseeds – 8.04
6	Mean yearly temperature, rainfall, humidity of the district	Mean yearly temperature: Max – 33, Min – 15 Relative humidity : 69 Total rainfall: 1024 mm
7	Production of major livestock products like milk, egg, meat etc.	Data not available

Note: Please give recent data only

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

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	Durgapur	Kanksa	Keten , Palashboni, Payarigunj, Chuya, Shokna Shilampur Gangbil Natungram	Paddy, potato, mustard, sesame, lentil, vegetable, cattle, poultry, duck, goat, pig fish Kharif paddy, wheat, mustard, brinjal, cattle,	***Bio-physical*** **Low productivity of all major crops** • Non-availability of quality seed / planting materials • Marginal soil • Limited water	• Integration of good agronomic practices • Creation of rainwater harvesting structures • Utilization of mine lift water for

				buffalo, pig, goat and poultry	resources for irrigation • Indiscriminate and inappropriate use of chemical fertilizer **Inadequate descriptive/prolific breed of livestock** **Poor feed resources** ***Socio- economic*** **Lack of credit facilities** **Lack of awareness regarding good agronomic /husbandry practices** **Very restricted livelihood option**	irrigation • Providing quality seeds/planting materials • Diversification of land use • Soil health management like organic farming etc. • Livestock productivity improvement and health care • Efficient utilization of water bodies • Entrepreneurship development
		Andal	Moira, Madanpur, Baska, Pubra, Andal, Andal Gram, Battala, Dakshinkhanda, Sakra, Shrirampur, Damra Gram, Kajora Gram, Rajhat, Dignala.			•
		Ranigunj	Napur, Napur Gram, Chelod, Ballavpur, Belunia, Belunia Gram, Raghunathchak, Kankardanga			•
		Jamuria	Jamuria, Siddhapur, Baghdhia, Haripur, Barul, Chaktulshi, Sankhari, Nandi, Sahakhir, Berali, Patharchur, Shibpur, Bogra, Chakdola, Hijalgora, Jambad, Taltor,			•

			Parasia, Churulia, Satgram, Madantor, Charanpur, Birkulti, Morden Satgram, Panchachur, Damodarpur			
		Salanpur	Sidhabari			•
2	Burdwan North	Galsi-I	Bharatpur Jaguli para , Sillya, Ramgopalpur, Atpara, Raipur, Goligram, Kondaipur, Manikbazar-Jharul, Tildanga, Nurkona Nabakhanda, Bamunara, Fatepur, Puratangram, Ucchagram, Serorai, Chaktentul, Naskarbandh, Budbud,	Aus paddy, kharif paddy, jute, potato, mustard, vegetable cattle, poultry, Goat, broiler farming, fish	***Bio-physical*** **Low productivity of all major crops** • Non-availability of quality seed materials • High cost involvement for major crops • Indiscriminate and inappropriate use of chemical fertilizers • Low input of organics & biofertiliser **Lesser extent of crop diversification** **Low productivity of livestock & poultry** **Poor feed resources** ***Socio-economic*** • Lack of credit facilities • Inadequate house hold income generation	• Providing quality seeds/planting material • Diversification of land use • Entrepreneurship development • Organic farming • Health care • Improvement of women led vocations • Popularization of balanced feeding practices • Crop diversification
		Galsi-II	Garamba, Bhasapur, Pursora, Hitta, Bahirghanna, Taranagar, Sankrai, Sarul, Bhuri.			•

3.	Bardhaman Sadar	Aushgram-I	Dignagar, Woyarishpur, Alutia, Bannabagram, Dangpara,	Kharif paddy, Potato, lentil, mustard, til, fodder, cattle, goat, poultry, duck, fish	***Bio-physical*** **Low productivity of all major crops** • Non-availability of quality seed / planting materials • Poor soil health • Limited water resources for irrigation • Indiscriminate and inappropriate use of chemical fertilizer **Inadequate descriptive/prolific breed of livestock** **Poor feed resources** **Inadequate health care** ***Socio- economic*** **Lack of credit facilities** **Lack of awareness regarding good agronomic /husbandry practices** **Very restricted livelihood option**	i. Integration of good agronomic practices ii.Providing quality seeds/planting materials iii.Diversification of land use iv.Restoration of soil health through organic manuring. v.Livestock productivity improvement and health care vi.Efficient utilization of water bodies vii.Entrepreneurship development viii. Promotion of efficient water use technology ix. technology showcasing
		Aushgram-II	Premganj, Abhirampur, Anandabazar, Bijoydanga, Chandipur,			
		Bhatar	Gholda, Gramdihi, Bamshor, Bijipur, Alinagar,			

			Natungram, Muraripur, Kapshor, Nasigram, Madhpur, Salun, Bonpas, Palar, Narayanpur, Balsidanga, Erachia, Kubachpur, Polsona, Bijaypur, Kherur, Sahebganj, Kashipur, Nurpur,			
5.	Kalna	Kalna	Bhagnapara, Kalna, Durgapur, Nandai, Deulpara, Diara, Mirzapur, Balia, Anukhal, Rangpara, Goara, Anakul,	Paddy, jute, onion, fodder, mustard, banana, potato, mango, cattle, sheep, goat, pig, poultry	***Bio-physical*** **Low productivity of all major crops** • Non-availability of quality seed / planting materials • Nutrient Deficient soil • Indiscriminate and inappropriate use of chemical fertilizer/ pesticides **Inadequate descriptive/prolific breed of livestock** **Poor feed resources** **Inadequate health care** ***Socio- economic*** **Lack of credit facilities** **Lack of awareness regarding good agronomic /husbandry practices**	Integration of good agronomic practices ii.Production of quality seeds/planting materials in PPP mode iii.Diversification of land use iv.Restoration of soil health through organic manuring. v.Livestock productivity improvement and health care vi.Efficient utilization of water bodies vii.Entrepreneurship development viii. Promotion of efficient water use technology ix. Promotion of Improved post harvest technology

					Very restricted livelihood option **Less of post harvest operation**	
		Purbasthali- I	Kuricha, Golahat, Betpukur, Chakbamungoria,Shyampur, Parulia, kuldanga, Bhaturia, Minapur, Ramchandrapur, Dogachia, Chupi, Biswarambha, Banki,Bhatsala, Rajapur, Chaitpur, Maganpur, Moshipur,	Paddy, jute, onion, fodder, mustard, banana, potato, mango, cattle, sheep, goat, pig, poultry	***Bio-physical*** **Low productivity of all major crops** • Non-availability of quality seed / planting materials • Indiscriminate and inappropriate use of chemical fertilizer/ pesticides • Very low ground water table **Inadequate descriptive/prolific breed of livestock** **Poor feed resources** **Inadequate health care** ***Socio- economic*** • Lack of awareness regarding good agronomic /husbandry practices • Very restricted livelihood option • Less of post harvest operation	Integration of good agronomic practices ii. Production of quality seeds/planting materials in PPP mode iii. Diversification of land use iv. Restoration of soil health through organic manuring. v. Livestock productivity improvement and health care vi. Efficient utilization of water bodies vii. Entrepreneurship development viii. Promotion of efficient water use technology ix. Promotion of Improved post harvest technology of jute and other crops
		Memari-I & II	Satchachia, Debipur, Khanro, Harindanga	Paddy, onion, fodder, mustard,	***Bio-physical*** **Low productivity of**	Integration of good agronomic practices

				banana, potato, mango, cattle, sheep, goat, pig, poultry	**all major crops** • Non-availability of quality seed / planting materials • Nutrient Deficient soil • Indiscriminate and inappropriate use of chemical fertilizer/ pesticides **Inadequate descriptive/prolific breed of livestock** **Poor feed resources** **Inadequate health care** ***Socio- economic*** • Lack of credit facilities • Lack of awareness regarding good agronomic /husbandry practices • Very restricted livelihood option • Less of post harvest operation	ii. Production of quality seeds/planting materials in PPP mode iii. Diversification of land use iv. Restoration of soil health through organic manuring. v. Livestock productivity improvement and health care vi. Efficient utilization of water bodies vii. Entrepreneurship development viii. Promotion of efficient water use technology ix. Promotion of Improved post harvest technology
		Montheswar	Bhelia, Bheti, Sutra	Paddy, onion, fodder, mustard, banana, potato,	***Bio-physical*** **Low productivity of all major crops**	Integration of good agronomic practices ii.Production of

				mango, cattle, sheep, goat, pig, poultry	• Non-availability of quality seed / planting materials • Nutrient Deficient soil • Indiscriminate and inappropriate use of chemical fertilizer/ pesticides **Inadequate descriptive/prolific breed of livestock** **Poor feed resources** **Inadequate health care** ***Socio- economic*** **Lack of credit facilities** **Lack of awareness regarding good agronomic /husbandry practices** **Very restricted livelihood option** **Less of post harvest operation**	quality seeds/planting materials in PPP mode iii.Diversification of land use iv.Restoration of soil health through organic manuring. v.Livestock productivity improvement and health care vi.Efficient utilization of water bodies vii.Entrepreneurship development viii. Promotion of efficient water use technology ix. Promotion of Improved post harvest technology

2. c. Details of village adoption programme:

Name of the villages adopted by D. Ghorai for its development and action plan (2022)

Name of village	Block	Action taken for development

Balidanga	Mangalkot	• Promotion of improved production technology of jute • Promotion of jute based cropping system • Promotion of improved retting of jute • Promotion of improved technologies of crops like rice, pulse and oilseeds
Kurumba	Ausgram	• Introduction of jute • Promotion of jute based cropping system • Promotion of improved retting of jute • Promotion of improved technologies of crops like rice, pulse and oilseeds

2.1 Priority thrust areas

S. No	Thrust area
1.	Integration of good agronomic practices for cultivation of field and vegetable crops for vertical agricultural growth
2.	Production of quality seeds/planting materials for major agricultural crops like rice, jute, mustard and vegetable and fruit crops
3.	Diversification of land use through cultivation of vegetables and other horticultural crops
4.	Soil health management through organic farming, balanced and integrated fertilization etc.
5.	Livestock productivity improvement and health care
6.	Efficient utilization of water bodies through composite fish culture and improved management practices
7.	Efficient resource utilization and output maximization through integrated farming system approach
8.	Entrepreneurship development for family income generation
9.	Empowerment of women through post harvest operation
10.	Strengthening of animal feed resources through fodder production/ quality fodder seed production
11.	Use of ICT in agriculture in area of climate based agro advice, disease diagnosis, SMS service
12.	Doubling of farmers income by 2022

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

6	5	40	42	0	0	0	0	0	42	0	42	13	8	365	370	227	597	0	0	0	370	227	597

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
68	40	2000	509	602	0	0	42	5	551	607	1158	67	109	60346	**11719**	**21360**	**0**	**0**	**50195**	**9155**	**16731**	**30515**	**19782** **9**

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
4500	214	0.04	0.06

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
0	0.0165	100	56

* 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	1	100					
Seminar/conference/ symposia papers							
Books							
Bulletins							
News letter	1	500					
Popular Articles							
Book Chapter							
Extension Pamphlets/ literature	17	2900					
Technical reports							
Electronic Publication (CD/DVD etc)							
TOTAL							

ot

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On Farm Trial	**Assessment of application of Zinc and Boron in winter rice under medium upland situation of Burdwan district**
2.	Problem diagnosed	Deficiency of Zn and Boron limiting crop productivity
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers' practice: 100:50:50 NPK Technology - 1 to be assessed: 100:50:50 NPK with 25 kg $ZnSO_4$ and 10 kg Borax per ha Technology - 2 to be assessed: 100:50:50 NPK with 40 kg $ZnSO_4$ and 15 kg Borax per ha Technology - 2 to be assessed: 100:50:50 NPK with spraying of chelated Zn and 20% B two times each at 45 and 70 DAT

4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-NRRI, Cuttack
5.	Production system and thematic area	Rice based production system; Nutrient management
6.	Performance of the Technology with performance indicators	Results revealed that indicated that application of Zinc and Boron were beneficial in as far as productivity of winter rice is concerned. However, application of Zn and B at higher rates than recommended did not produce significantly higher rice and instead of soil application the yield resulted was at par although it is slightly more cost effective. As such farmers are advised to apply $ZnSO_4$ @ 25kg per ha and Borax @ 10 kg/ha or foliar spray of chelated Zn 20% at 45 and 70 DAT
7.	Final recommendation for micro level situation	Therefore, in farmers must use Zn in winter rice @ 25 kg per ha and additionally they may use Boron for productivity augmentation
8.	Constraints identified and feedback for research	Nil
9.	Process of farmers participation and their reaction	Training, group discussion

Thematic area:

Problem definition: Deficiency of Zn and Boron limiting crop productivity

Technology assessed:

FP: Farmers' practice: 100:50:50 NPK
TO 1: Technology - 1 to be assessed: 100:50:50 NPK with 25 kg $ZnSO_4$ and 10 kg Borax per ha
TO 2: Technology - 2 to be assessed: 100:50:50 NPK with 40 kg $ZnSO_4$ and 15 kg Borax per ha

TO 3: Technology - 2 to be assessed: 100:50:50 NPK with spraying of chelated Zn and 20% B two times each at 45 and 70 DAT

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)					
FP	5	22.3	190	18.1	49.9	58500	89800	31300	1.54
TO 1		28.9	234	18.4	55.6	62800	105600	42800	1.68
TO 2		31.2	233	19.2	56.1	64400	106800	42400	1.66
TO 3		30.8	226	18.6	55.7	61200	106000	44800	1.73
LSD at 5%		2.34	12.1	NS	3.45				

Results: Results revealed that indicated that application of Zinc and Boron were beneficial in as far as productivity of winter rice is concerned. However, application of Zn and B at higher rates than recommended did not produce significantly higher rice (56.1 q/ha as compared to 55.6 q/ha in recommended Zinc and Boron application) and instead of soil application the yield resulted was at par (55.7 q/ha) although it is slightly more cost effective (B:C = 1.73 as compared to B:C=1.68 in recommended Zinc and Boron application and 1.66 in higher Zinc and Boron application). As such farmers are advised to apply $ZnSO_4$ @ 25kg per ha and Borax @ 10 kg/ha or foliar spray of chelated Zn 20% at 45 and 70 DAT.

OFT-2

1.	Title of On Farm Trial	**Evaluation of application of different doses of sulfur on productivity of sesame under medium upland situation of Paschim Bardhaman**
2.	Problem diagnosed	Non application of sulfur limiting productivity of sesame

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers' practice: 80:40:40 NPK Technology - 1 to be assessed: 80:40:40 NPK with 20 kg elemental S per ha Technology - 2 to be assessed: 80:40:40 NPK with 30 kg elemental S per ha Technology - 3 to be assessed: 80:40:40 NPK with 40 kg elemental S per ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR- DOR, Hyderabad
5.	Production system and thematic area	Rice based production system; Nutrient management
6.	Performance of the Technology with performance indicators	Results indicated that application of sulfur @ 30 kg or 40 kg per ha along with recommended NPKK (80:40:40) had significantly higher productivity of 9.23 q/ha and 10.45 q/ha as compared to application of 20 kg/ha S application coupled with recommended NPK (8.05 q/ha) and FP (no application of S and application of NPK through 10:26:26 and urea).
7.	Final recommendation for micro level situation	Therefore, in sesame application of sulfur @ 30-40 kg/ha is recommended in sesame under medium upland situation of Purba Bardhaman district.
8.	Constraints identified and feedback for research	Nil
9.	Process of farmers participation and their reaction	Training, group discussion

Thematic area:

Problem definition: Non application of sulfur limiting productivity of sesame

Technology assessed:

FP: Farmers' practice: 80:40:40 NPK
TO 1: Technology - 1 to be assessed: 80:40:40 NPK with 20 kg elemental S per ha
TO 2: Technology - 2 to be assessed: 80:40:40 NPK with 30 kg elemental S per ha
TO 3: Technology - 2 to be assessed: 80:40:40 NPK with 40 kg elemental S per ha

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Pod length (cm)	No. of pods/ plant	No. of seeds/pod					
FP	5	2.12	89	41	6.19	30000	37140	7140	1.24
TO 1		2.35	102	54	8.05	37500	48300	10800	1.29
TO 2		2.49	113	56	9.23	42000	55380	13380	1.32
TO 3		2.63	121	55	10.45	46500	62700	16200	1.35
LSD at 5%		NS	7.31	9.76	1.05				

Results: Results indicated that application of sulfur @ 30 kg or 40 kg per ha along with recommended NPKK (80:40:40) had significantly higher productivity of 9.23 q/ha and 10.45 q/ha as compared to application of 20 kg/ha S application coupled with recommended NPK (8.05 q/ha) and FP (no application of S and application of NPK through 10:26:26 and urea). Therefore, in sesame application of sulfur @ 30-40 kg/ha is recommended in sesame under medium upland situation of Paschim Bardhaman district.

OFT 3

1	**Title of the OFT**	Nutrient management practice in marigold in jute based cropping sysytem
2	**Problem diagnosed**	There are two basic concerns, one is productivity of the flower in spite of good fertilizer dose and another is quality of flower (reddishness in tips of flower petals) in the district of Burdwan.
3	**Treatments:**	**Farmers Practice (FP):** 150:80:80 (recommended dose of fertilizers) **Technology option-I (TO-I):** FP + Foliar Sprays (3 nos) of chellated zinc

		Technology option-II (TO-II): FP+ Soil application (3 times) of nutrient combinations of Ca, B, Mg and Zn)
4	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	ICAR IIHR
5	**Production system**	Flower- jute- vegetable cropping system
6.	Performance of the Technology with performance indicators	Foliar Sprays (3 nos) of chellated zinc was most effective method to improve quality of flower (for correction of reddishness in tips of flower petals). Though Better yield (148q/ha) and B:C ratio (2.32) was obtained by soil application of nutrient combination (3 times) of Ca, B, Mg and Zn along with recommended fertilizers.
7.	Final recommendation for micro level situation	Recommended dose of fertilizers along with Soil application (3 times) of nutrient combinations of Ca, B, Mg and Zn)
8.	Constraints identified and feedback for research	Soil application of liquid form of nutrient combinations of Ca, B, Mg and Zn at the time of irrigation require proper skill
9.	Process of farmers participation and their reaction	Through training and demonstration

Thematic area: Nutrient management.

Problem definition: There are two basic concerns, one is productivity of the flower in spite of good fertilizer dose and another is quality of flower (reddishness in tips of flower petals) in the district of Burdwan.

Technology assessed: Chellated zinc and nutrient combinations of Ca, B, Mg and Zn that has been tried for improving quality of flowers and yield.

Table:

Technology option	No. of trials	Yield component			No. of plant showing deficiency symtops (%) (Redishness of flower tips)	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	12				16.20	128	148,000	305000	177,000	2.06
TO-I	12				4.10	142	153000	352000	199500	2.30
TO-II	12				8.60	148	155000	360000	207000	2.32

Results: Results indicated that Technology option-II was most effective method to improve quality of flower (for correction of reddishness in tips of flower petals). Though Better yield and B:C ratio was obtained by soil application of nutrient combination along with recommended fertilizers.

OFT-4

1	**Title of the OFT**	Weed management of onion in jute based cropping sysytem
2	**Problem diagnosed**	Weed infestation is a major problem in onion cultivation particularly at the early stage of crop growth leading to reduction in yield
3	**Treatments:**	**Farmers Practice (FP):** Three hand weeding **Technology option-I (TO-I):** One hand weeding + weeding by ICAR- CRIJAF Nail Weeder (2 times) **Technology option-II (TO-II):** One hand weeding + weeding by ICAR- CRIJAF Cycle Weeder (2 times) **Technology option-III (TO-III):** Application of Pre emergence herbicides (Pendimethalin) + weeding by ICAR- CRIJAF Cycle weeder (2 times)
4	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	ICAR- CRIJAF
5	**Production system**	Jute-Paddy- vegetable cropping system
6.	Performance of the Technology with performance indicators	Standing crop, 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: Weed management.

Problem definition: Weed infestation is a major problem in onion cultivation particularly at the early stage of crop growth leading to reduction in yield

Technology assessed: ICAR- CRIJAF Nail Weeder, Cycle weeder that has been tried for efficient weed management.

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)					
FP	10								
TO-I	10				Standing crop Result awaited				
TO-II	10								

Results: Result awaited

OFT-5

1.	Title of On farm Trial	Assessment of sulphur and boron application on curd quality and yield in cauliflower in jute based cropping sysytem
2.	Problem diagnosed	Browning and hollow stem is common problem in cauliflower associated with lower yield with lack of flavor
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice (FP):** Recommended dose of NPK **Technology option-I (TO-I):** Recommended dose of NPK+ Sulphur 20 Kg/ha as basal **Technology option-II (TO-II):** Recommended dose of NPK+ Sulphur

		20 Kg/ha as basal+ 10 kg boron granules/ha as basal **Technology option-III (TO-III):** Recommended dose of NPK+ Sulphur 20 Kg/ha as basal+ Foliar spray of boron (3 times)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TNAU
5.	Production system and thematic area	Vegetable-Jute-rice cropping system
6.	Performance of the Technology with performance indicators	Standing crop, 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: *Nutrient* management

Problem definition: Standing crop, result awaited

Table:

Technology option	No. of trials	Yield component			% of curd affected with browning / hollow stem	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	10									

TO-I	10			Standing crop, result awaited						
TO-II	10									
TO-III										

Results: Standing crop, result awaited

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

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	Jute	Improved production technology	Line sowing with seed drill/broadcasting followed by nail weeder+80:40:40 NPK+weeding with nail weeder/intercropping with amaranthus+retting with CRIJAF SONA	100	110	271	174	0	0	0	0	271	174	445	
2	Sesame	Nutrient management	Sulfur and boron nutrition	15	16	25	15			8	7	33	22	55	
3	Onion	Introduction in Kharif season	Agrifound Dark Red	3	3	11	9	0	0	0	0	11	9	20	
4	Banana (2021-22)	Tissue cultured plantlets & Improve variety	Grand Naine	1	1	10	5	0	0	0	0	10	5	15	
5	Banana (2022-23)	Tissue cultured plantlets & Improve variety	Grand Naine	1	1	8	4	0	0	0	0	8	4	12	
6	Tomato	Improve variety	Arka Samrat	1.5	1.5	8	2	0	0	0	0	8	2	10	
7	Brinjal	Integrated Pest Management	Integrated pest management on *Leucinodes orbonalis*	1	1	14	6					14	6	20	
8	Oyster mushroom	Improved production	*Treatment of machine cut paddy straw* @ 10 kgs of dry machine cut paddy	20 units (05	20 units	15	5	-	-	-	-	15	5	20	

		technology	straw to be dipped in 100 litres of clean water mixed with 10 gm carbendazim,50% W.P, 30 gm calcium carbonate and 120 ml formaldehyde.	Beds in each)	(05 Beds in each)										
TOTAL				**142.5**	**153.5**	**362**	**220**	**0**	**0**	**8**	**7**	**370**	**227**	**597**	

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					
Jute	Pre kharif	Irrigated	Clay loam to sandy loam	315	23	189	Potato/onion /vegetables	26.03.22 – 01.04.22	20.07.22 – 12.08.22	1530	
Sesame	Pre kharif	Irrigated	Loamy	334	43	235	Potato/onion/vegetables	19.02.22 – 27.02.22	30.05.22 – 05.06.22	1530	
Onion	Kharif	Irrigated	Loam	230	50	180	Vegetables	29/7/2022 – 05/8/22	Dec.01, 2022-Dec.8, 2022	950 mm	
Banana (2021-22)	Kharif	Irrigated	Loam	225	45	190	Vegetables	26/6/2021 – 10/7/21	15-30/07/22	1025 mm	
Banana (2022-23)	Kharif	Irrigated	Loam	230	40	200	Vegetables	29/7/2022 – 10/8/22	Not yet started	1005 mm	
Toamato	Rabi	Irrigated	Loam	230	60	185	Vegetables	2/11/2022	Not yet completed	1000 mm	
Brinjal	Kharif	Irrigated	Loam	230	50	180	Vegetables	20/10/2021 – 25/10/21	May.01, 2022-May.10, 2022	920 mm	
Oyster mushroom	Rabi 2021-22	Inhouse condition	N/A	N/A	N/A	N/A	N/A				

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
Sesame	Nutrient management	Zn and B nutrition	55	16	8.45	7.24	16.7	24700	54925	30225	2.22	23900	47060	23160	1.97
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
	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
Jute	ICM	Improved production technology	445	110	34.3	31.1	10			82500	171500	89000	2.08	80200	165500	85300	2.06
Onion	Introduction in Kharif season	Agrifound Dark Red	20	3	190	No existing variety	-	-	-	132000	290000	158000	2.20	-	-	-	-
Banana (2021-22)	Improved variety	Grand Naine	15	1	610	471	29.5	-	-	133000	360000	227000	2.70	125000	262500	137500	2.10
Banana (2022-23)	Improved variety	Grand Naine	12	1	Standing crop, result awaited												
Tomato	Improved variety	Arka Samrat	12	1.5	Standing crop, result awaited												
Brinjal	Integrated Pest Management	Integrated pest management on *Leucinodes orbonalis*	20	1 ha	277	231	19.9	-	-	84000	192000	108000	2.28	81000	148000	67000	1.82
Oyster mushroom	Improved production technology	*Treatment of machine cut paddy straw* @ 10 kgs of dry machine cut paddy straw to be dipped in 100 litres of clean water mixed with 10 gm carbendazim,50% W.P, 30 gm calcium carbonate and 120 ml formaldehyde.	20	20 units (05 Beds in each)	100 Kg gm/100 Beds	80 Kg/100 Beds	250 %			3920.00	12000.00	8080.00	3.06	3335.00	9600.00	6265.00	2.87

Livestock

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

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

Fisheries

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

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

Other enterprises

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

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

Women empowerment

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

Farm implements and machinery

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

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

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

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
Cereals				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (Pl.specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl.specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl.specify)										

Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl.specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl.specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl.specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Jute	Sowing through seed drill is not conducive in all situation. Broadcasting followed by nail weeder/single wheel jute weeder application is much more user friendly and conducive.
2	Onion	Seed of Agrifound Dark Red is not easily available in market
3	Banana	Only variety available in tissue cultured banana is Grand Naine that's need to be replaced with some other varieties also.

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	02.11.22	1	23	Training/Field visit on banana
		07.11.22	1	13	Training/Field visit on Kharif onion
		10.03.2022	1	21	Field day was organized at Itadanga
		09.03.2022	1	30 (SC)	Male (SC)=19, Female (SC)=11.
		27.07.22	1	31	
2.	Farmers Training	28.10.2022 & 31.10.22	1	10	Training on cultivation of Tissue cultured banana
		11.11.2022	1	30	Training on cultivation of kharif onion
3.	Media coverage				
4.	Training for extension functionaries				

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

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P

B. Economic parameters

Sl. No.	Variety demonstrated & Technolog	Farmer's Existing plot				Demonstration plot			
		Gross Cost	Gross return	Net Return	B:C ratio	Gross Cost	Gross return	Net Return	B:C ratio

	y demonstrated	(Rs/ha)	(Rs/ha)	(Rs/ha)		(Rs/ha)	(Rs/ha)	(Rs/ha)	

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
Yield	Good	Better than existing variety	Acceptable

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1			
2			

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

H. Farmers' training photographs

I. Quality Action Photographs 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 materials			
	v) Contingency			
	Total			

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

A) Farmers and farm women (on campus)

B) Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management	1	0	0	0	9	21	30	0	0	0	9	21	30
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs	1	0	0	0	19	11	30	0	0	0	19	11	30
Others, (cultivation of crops)	1	0	0	0	13	18	31	0	0	0	13	18	31
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management	1	0	0	0	11	19	30	0	0	0	11	19	30
Enterprise development													

B) Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising	1	0	0	0	0	30	30	0	0	0	0	30	30
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques	1	0	0	0	7	23	30	0	0	0	7	23	30
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													

B) 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
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													

B) 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
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management	1	0	0	0	10	20	30	0	0	0	10	20	30
Integrated Disease Management	4	0	0	0	60	60	120	0	0	0	60	60	120
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any	1	0	0	0	20	10	30	0	0	0	20	10	30
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production	1	0	0	0	11	19	30	0	0	0	11	19	30
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													

B) Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)	2	0	0	0	33	27	60	0	0	0	33	27	60
TOTAL	**15**	**0**	**0**	**0**	**193**	**258**	**451**	**0**	**0**	**0**	**193**	**258**	**451**

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	2	0	0	0	12	48	60	0	0	0	12	48	60
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp 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
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts	3	0	0	0	0	60	60	0	0	0	0	60	60
TOTAL	**5**	**0**	**0**	**0**	**12**	**108**	**120**	**0**	**0**	**0**	**12**	**108**	**120**

C) Extension Personnel (on campus)

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

D) Farmers and farm women (off campus)

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

		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems	1	0	0	0	24	6	30	0	0	0	24	6	30
Crop Diversification													
Integrated Farming													
Water management													
Seed production	1	0	0	0	22	8	30	0	0	0	22	8	30
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	0	0	0	17	13	30	0	0	0	17	13	30
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables	1	0	0	0	15	15	30	0	0	0	15	15	30
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	1	0	0	0	4	26	30	0	0	0	4	26	30
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit	1	0	0	0	21	9	30	0	0	0	21	9	30
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													

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
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management	2	0	0	0	16	44	60	0	0	0	16	44	60
Integrated Disease Management	1	0	0	0	11	19	30	0	0	0	11	19	30
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production	1	0	0	0	14	16	30	0	0	0	14	16	30
Planting material production													
Bio-agents production													
Bio-pesticides production	1	0	0	0	18	12	30	0	0	0	18	12	30
Bio-fertilizer production													
Vermi-compost production	1	0	0	0	25	5	30	0	0	0	25	5	30
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													

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 Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)	3	0	0	0	51	39	90	0	0	0	51	39	90
TOTAL	**15**	**0**	**0**	**0**	**238**	**212**	**450**	**0**	**0**	**0**	**238**	**212**	**450**

E) RURAL YOUTH (Off Campus)

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

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

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	3	20	2	22	**47**	**13**	**60**	0	0	0	**67**	**15**	**82**
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1	0	0	0	19	11	30	0	0	0	19	11	30
Gender mainstreaming through SHGs													
Crop intensification	1	22	3	25	**0**	**0**	**0**	0	0	0	**22**	**3**	**25**
TOTAL	**5**	**42**	**5**	**47**	**66**	**24**	**90**	**0**	**0**	**0**	**108**	**29**	**137**

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	1	0	0	0	24	6	30	0	0	0	24	6	30
Crop Diversification													
Integrated Farming													
Water management	1	0	0	0	9	21	30	0	0	0	9	21	30
Seed production	1	0	0	0	22	8	30	0	0	0	22	8	30
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs	1	0	0	0	19	11	30	0	0	0	19	11	30
Others, (cultivation of crops)	1	0	0	0	13	18	31	0	0	0	13	18	31
TOTAL	5	0	0	0	87	64	151	0	0	0	87	64	151
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	0	0	0	17	13	30	0	0	0	17	13	30
Water management	1	0	0	0	11	19	30	0	0	0	11	19	30
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables	1	0	0	0	15	15	30	0	0	0	15	15	30
Nursery raising	1	0	0	0	0	30	30	0	0	0	0	30	30
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	1	0	0	0	4	26	30	0	0	0	4	26	30
TOTAL	5	0	0	0	47	103	150	0	0	0	47	103	150
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	1	0	0	0	21	9	30	0	0	0	21	9	30
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Plant propagation techniques	1	0	0	0	7	23	30	0	0	0	7	23	30
Others, if any(INM)													
TOTAL	2	0	0	0	28	32	60	0	0	0	28	32	60
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													

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													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	3	0	0	0	26	64	90	0	0	0	26	64	90

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Disease Management	5	0	0	0	71	79	150	0	0	0	71	79	150
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any	1	0	0	0	20	10	30	0	0	0	20	10	30
TOTAL	9	0	0	0	117	153	270	0	0	0	117	153	270
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production	1	0	0	0	14	16	30	0	0	0	14	16	30
Planting material production													
Bio-agents production													
Bio-pesticides production	2	0	0	0	29	31	60	0	0	0	29	31	60
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL	4	0	0	0	68	52	120	0	0	0	68	52	120
X. Capacity Building and Group Dynamics													
Leadership development													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)	5	0	0	0	84	66	150	0	0	0	84	66	150
TOTAL	**30**	**0**	**0**	**0**	**431**	**470**	**901**	**0**	**0**	**0**	**431**	**470**	**901**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	2	0	0	0	12	48	60	0	0	0	12	48	60
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts	3	0	0	0	0	60	60	0	0	0	0	60	60
Enterprise development													
Others if any (ICT application in agriculture)													
TOTAL	**5**	**0**	**0**	**0**	**12**	**108**	**120**	**0**	**0**	**0**	**12**	**108**	**120**

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	3	20	2	22	47	13	60	0	0	0	67	15	82
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1	0	0	0	19	11	30	0	0	0	19	11	30
Gender mainstreaming through SHGs													
Crop intensification													
Others if any	1	22	3	25	0	0	0	0	0	0	22	3	25

TOTAL	**5**	**42**	**5**	**47**	**66**	**24**	**90**	**0**	**0**	**0**	**108**	**29**	**137**

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
Agriculture	RY	Making of jute handicrafts	7	**On**	0	20	20	0	20	20
Agriculture	EF	Status of jute cultivation in Purba Bardhaman district	1	**Off**	20	2	22	0	0	0
Agriculture	EF	Improved retting technology of jute	1	**Off**	22	3	25	0	0	0
Agriculture	EF	Improved production technology of jute in jute based cropping system	3	**Off**	25	5	30	25	5	30
Agriculture	EF	Need for composting and different types of compost preparation	3	**On**	19	11	30	19	11	30
Agriculture	PF	Vermicompost production	2	**Off**	25	5	30	25	5	30
Agriculture	PF	Organic farming and zero budget natural farming in jute-based cropping system	2	**On**	19	11	30	19	11	30
Agriculture	PF	Rice cultivation through SRI in jute-rice cropping system	2	**On**	9	21	30	9	21	30
Agriculture	PF	Jute based integrated farming system – Towards production, income and environment sustainability	2	**On**	13	18	31	13	18	31
Agriculture	PF	Awareness camp and method demonstration on improved retting methodology of jute	2	**Off**	24	6	30	24	6	30
Agriculture	PF	Seed production of crops in jute based cropping system	2	**Off**	22	8	30	22	8	30
Agriculture	EF	Sustainable crop production through conservation agriculture in jute based cropping system	2	**Off**	22	8	30	22	8	30

Horticulture	PF	Bio pesticides and its application in jute based cropping system	3	**On**	11	19	30	11	19	30
Horticulture	RY	Preparation of jute handicrafts	7	**On**	0	20	20	0	20	20
Horticulture	PF	Bio pesticides and its role in zero budget natural farming in jute based cropping system	2	**Off**	18	12	30	18	12	30
Horticulture	PF	Role of plant nutrients and deficiency symptoms in horticultural crops	2	**Off**	17	13	30	17	13	30
Horticulture	PF	Micro irrigation technology in jute based cropping system	2	**On**	11	19	30	11	19	30
Horticulture	PF	Improved cultivation techniques of tissue culture banana in IFS	2	**Off**	21	9	30	21	9	30
Horticulture	PF	Plant propagation techniques of sub-tropical fruit crops in IFS	2	**On**	7	23	30	7	23	30
Horticulture	PF	Improved production technology of kharif onion in jute based cropping system	2	**Off**	15	15	30	15	15	30
Protection	RY	Improved production technology of Oyster mushroom in Jute based farming system	3	**On**	10	20	30	10	20	30
Protection	PF	Disease management in Cole crops in Integrated farming system	3	**On**	15	15	30	15	15	30
Protection	RY	Improved production technology of Oyster mushroom in Integrated Farming System	3	**On**	2	28	30	2	28	30
Protection	PF	Beekeeping for better pollination and alternative livelihood	3	**On**	20	10	30	20	10	30
Protection	PF	Insect pest management in	3	**Off**	16	14	30	16	14	30

		solanaceous crop								
Protection	PF	Integrated Disease Management (IDM) in Rice in Jute Based Farming System	2	**On**	11	9	30	11	9	30
Protection	PF	Integrated Disease Management (IDM) in Rice in Jute Based Farming System	2	**On**	12	18	30	12	18	30
Protection	PF	Integrated Disease Management (IDM) in Rice in Jute Based Farming System	2	**On**	22	8	30	22	8	30
Protection	PF	Seed treatment in Rice in Integrated Farming System	2	**Off**	14	16	30	14	16	30
Protection	PF	Disease management in Brinjal in Jute Based Farming System	2	**Off**	11	19	30	11	19	30
Agriculture	RY	Making of jute handicrafts	7	**On**	0	20	20	0	20	20
Horticulture	PF	Cultivation techniques of solanaceous vegetables in jute based cropping system	2	**Off**	0	30	30	0	30	30
Horticulture	PF	Nursery management of vegetable crops in jute based cropping system	2	**On**	4	26	30	4	26	30
Protection	PF	Integrated pest management in Boro Paddy in Integrated farming system	2	**On**	10	20	30	10	20	30
Protection	PF	Integrated pest management in Boro Paddy in Integrated farming system	2	**Off**	0	30	30	0	30	30

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	
Rural Handicrafts	Rural Crafts	Training on Kantha Stitch and Jute Handicrafts preparation	7	0	60	60				

*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	3	0	0	0	0	60	60	0	0	0	0	60	60
Seed production													
Sericulture													
Mushroom cultivation													
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para-vet training													
Other													
Total													
Agricultural Extension													
Capacity building and group dynamics													
Other													
Total													
Grand Total	3	0	0	0	0	60	60	0	0	0	0	60	60

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

Sl.No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of participants	Sponsoring Agency
					PF/RY/EF			
1	Status of jute cultivation in Purba Bardhaman district	Crop production and management	February, 2022	1	EF	1	22	

2	Improved retting technology of jute	Crop production and management	February, 2022	1	EF	1	25	

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	2	42	5	47	0	0	0	0	0	0	42	5	47
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total													
Post harvest technology and value addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other													
Total													
Livestock and fisheries													
Livestock production													

and management													
Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security													
Economic empowerment of women													
Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total													

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	5	127	23	150	100	0	0	0	127	23	150
Kisan Mela	1	189	56	245	100	8	0	8	197	56	253
Kisan Ghosthi											
Exhibition											
Film Show	25	387	286	673	90	0	0	0	387	286	673
Method Demonstrations	2	24	8	32	100	0	0	0	24	8	32
Farmers Seminar											
Workshop											
Group meetings	3	41	0	41	--	0	0	0	41	0	41
Lectures delivered as resource persons	2	26	14	40	--	0	0	0	26	14	40
Advisory Services	47	165066	29653	194717	35	0	0	0	165064	29653	194717

		4									
Scientific visit to farmers field	12	216	34	250					216	34	250
Farmers visit to KVK											
Diagnostic visits											
Exposure visits											
Ex-trainees Sammelan											
Soil health Camp	2	25	4	29					25	4	29
Animal Health Camp											
Agri mobile clinic											
Soil test campaigns	1	45	14	59					45	14	59
Farm Science Club Conveners meet											
Self Help Group Conveners meetings											
MahilaMandals Conveners meetings											
Celebration of important days (specify)	6	858	264	1122	75	46	0	46	904	264	1168
Sankalp Se Siddhi											
Swatchta Hi Sewa	2	258	124	382	75	0	0	0	258	124	382
Mahila Kisan Divas	1	0	35	35	100	0	0	0	0	35	35
Any Other (Specify)											
Total	**109**	**167260**	**305155**	**197775**		**54**	**0**	**54**	**167314**	**30515**	**197829**

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	4
Radio talks	
TV talks	
Popular articles	1
Extension Literature	17
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	
					M	F	M	F	M	F	M	F
Total												

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Paddy	MTU 7029(F)	113.5q	681000								
Paddy	Hasant(F)	15.5q	93000								
Paddy	Gontra Bidhan 3	85	527000								
Okra				0	0	0	0	0	0	0	0
Turmeric				10	0	0	0	7	0	17	17
Grand Total		214q	775000								

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											
Cabbage											
Tomato											
Brinjal	Bhangar	4390pc	3512	10	5					10	5
Chilli											
Onion											
Others											
Fruits											
Mango	Langra, Himsagar, Mallika and amrapali	1000 pc	100000	56	65					56	65
Guava	Baruipur	305 pc	15250	70	85					70	85
Lime	Kagji	305 pc	15250	72	75					72	75
Papaya											

Banana											
Others											
Ornamental plants											
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Others, pl.specify											
Total		6000	134012	208	230	0	0	0	0	208	230

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers vermicompost	9852kg	147780								
vermiworm	23100 pc	11550								
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	RIR	35no(35kg)	8400								
Poultry egg	RIR	77no	462								
poultry	Kadaknath	50no(45kg)	21250								
Poultry egg	Kadaknath	55pc	1060								
Broilers											

Layers											
Duals (broiler and layer)											
Japanese Quail											
Turkey											
Emu											
Ducks	Khaki campbell	48 no(48 kg)	11040								
Others (Pl. specify)											
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings											
Spawn											
Others (Pl. specify)											
Grand Total			32772								

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

i) Name of Seed Hub Centre:

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

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2018						
Rabi 2018-19						
Summer/Spring 2020						
Kharif 2020						
Rabi 2020-2020						

iii) Financial Progress

Fund received (2016-17, 2017-18 and	Expenditure (Rs. in lakhs)		Unspent balance	Remarks
	Infrastructure	Revolving		

2018-19)		fund	(Rs. in lakhs)	
2016-17				
2017-18				
2018-19				
2019-20				
2020-21				

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	Impact of Leadership *vis-à-vis* Technology Extension and Livelihood A Case study from Purba Bardhaman District of West Bengal	D. Ghorai, R. Bhattacharya and F. H. Rahman		
Seminar/conference/ symposia papers				
Training Manual	Biopesticides	Sarkar S, Kundu S S, Rahman SMA, Behera M, Kar G		
	Role of plant nutrients, deficiency symptoms and remedies in horticultural crops	Sarkar S, Ghorai D, Kundu S S, Rahman SMA, Behera M, Kar G		
	Organic Farming and Zero Budget Natural Farming: Concept, Scenario and protocols	Ghorai, D., Sarkar, S., Garai, S, Rahman, S. M. A., Behera, M. S. and Kar, G		
	Improved production technology of jute in jute based cropping system	Ghorai D, Rahman SMA, Samajdar T, Behera M, Sarkar S, Kar G		
	Need for composting and different types of compost preparation	Ghorai D, Rahman SMA, Behera M, Kar G		
	Rice cultivation through SRI in jute-rice cropping system	Ghorai D, Rahman SMA, Behera M, Kar G		

	Sustainable crop production through conservation agriculture in jute based cropping system	Ghorai D, Rahman SMA, Behera M, Kar G		
	Improved retting methodology of jute and mesta	Ghorai D, Rahman SMA, Behera M, Kar G		
	Integrated Pest management in Paddy	Kundu S.S., Sarkar S., Rahman S.M.A., Behera M.S., Kar G		
	Improved Cultivation Practice of Onion	Sarkar S., Kundu S. S., Rahman S. M. A., Behera M. S., Kar G		
	Improved Cultivation Practice of TCB	Sarkar S., Kundu S. S., Rahman S. M. A., Behera M. S. Kar, G.		
	Vegetative Propagation	Sarkar S., Kundu S. S., Rahman S. M. A., Behera M. S. Kar, G.		
	Micro irrigation technology in jute based cropping system	Sarkar S., Kundu S. S., Rahman S. M. A., Behera M. S. Kar, G.		
	Seed production of different crops in jute based cropping system	Ghorai D, Rahman SMA, Behera M, Kar G		
Bulletins				
News letter	CRIJAF-KVK Samachar January, 2020 – December, 2021	S. M. A. Rahman, D. Ghorai, S. Sarkar, S. Garai, S. S. Kundu and G. Rasul		
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature	*Fulcopir pradhan kayekti rog o' tar pratikar* **(Major diseases of cauliflower and its management)**.	**Garai S**, Rahman Sk.Md.A, Saha S.K, Behera M.S and Kar G.(2022).	1	
	Bandha copir pradhan kayekti rog o' tar pratikar **(Major diseases of cabbage and its management)**.	**Garai S**, Rahman Sk.Md.A, Saha S.K, Behera M.S and Kar G.(2022).	1	
	Sarisar pradhan kayekti rog o' tar pratikar **(Major diseases of mustard and its**	**Garai S**, Rahman Sk.Md.A, Pramanik S, Behera M.S and Kar G.(2022).	1	

	management).			
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.	Review workshop	Implementation of DEASI programme in West Bengal.	Sandipan Garai, Sr. Technical Officer (T-6)	2 days 18.05.2022 to 19.05.2022	SAMETI, Ramkrishna Mission Ashrama, Narendrapur, Kolkata
2.					
3.					
4.					
5.					
6.					
7.					

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

Name of farmer	
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	
Good quality photographs (2-3)	

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	One
2	Spectrophotometer	One
3	Shaker	One
4	Hot air oven	One
5	Hot plate	One
6	Glass distillation unit	One
7	Conductivity bridge	One
8	pH meter	One
9	Electronic balance	Two
20	Grinder	One
11	Kjeldahl N analyser	One
12	Mridaparikshak	One
13	Atomic absorption spectrophotometer	One
14	PUSA STFR Meter	One

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (inRs.)
Through mini	Through soil	Total			

soil testing kit/labs	testing laboratory				
56		56	112	14	--

3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	WSD	80	0	--	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
1	1	4100 fruit saplings	60	5

3.13. Technology week celebration

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

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

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit

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)
Improved production technology of jute	2050	41	55000	89000

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
Cultivation of kharif onion	Farmers in this region were usually engaged in cultivation of paddy in kharif season which provided on an average profit of Rs. 28000/- to 35000/- per ha. Whereas onion in kharif season transported from outsides of the states leading to very high market price. Agrifound Dark Red a variety suitable for kharif season was introduced through demonstration in kharif season for the last few years, starting from 2017-18. It showed encouraging result in terms of profit for the farmers and as a result the technology has spreaded to 4 blocks of the district, namely Kalna I & II, Purbasthali I & II, along with different pockets of other blocks like Kaksa, Ausgram, Galsi I and Galsi II.

Give information in the same format as in case studies

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

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

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

. Any other initiative taken by the KVK

DAESI Course

In Purba and Paschim Bardhaman there are about 2500 practicing agri-input dealers, who are the prime source of farm information to the farming community. The first contact point for majority of farmers is the agri-input dealer. While purchasing different inputs required for farming operations, the farmer naturally tries to find out from the input dealer about the usage of inputs, both in terms of quality and quantity. However, most of these input dealers do not have formal agricultural education. With the objective of shaping these input dealers as para-extension professionals by providing requisite knowledge, one self-financed course of 40 input dealers was sanctioned by SAMETI and the batch was first started in August, 2018. Now the 3rd batch is going on.

- Following classes and exposure visits were conducted under **DAESI 3rd batch from Jan, 2022.**

1. Disease symptoms and management of major field crops of Bardhaman district on 06.04.22
2. Practical- Apiculture on 06.04.22
3. Improved production technology of Jute on 13.04.22
4. Practical-Identification of pests and diseases of paddy on 13.04.22
5. Practical- Organic pesticides: preparation and application on 20.04.22
6. SRI Technology in paddy on 20.04.22
7. Insecticide Act on 27.04.22
8. Agro-meteorological information and their impact on Agricultural Production on 27.04.22
9. Zero tillage and brown manuring in paddy on 04.05.22
10. Practical- Crop production Technology of paddy on 04.05.22
11. Seed treatment- Importance and procedure on 11.05.22
12. Macro-Micronutrient deficiencies and their Management in major fruits and vegetables on 11.05.22
13. Practical- Soil sampling and testing on 18.05.22
14. Climate change and adaptation strategy on 18.05.22
15. Practical –Nursery management of fruits & vegetable crops on 25.05.22
16. Practical - Use of internet & practice on 25.05.22

17. Cultivation techniques of major oilseed crops on 08.06.22
18. Practical- Seed production of major vegetable crops on 08.06.22
19. Safe handling pesticides and First Aid on 15.06.22
20. Storage pests and their Management on 15.06.22
21. Importance of agricultural insurance and its procedure on 29.06.22
22. Organic farming on 29.06.22
23. Exposure visit at Durgapur Biogarden Farm on 02.06.22
24. Exposure visit at State seed farm, Kanksa on 23.06.22
25. Bio fertilizer and its application on 06.07.22
26. Practical- Identification of different pests of vegetables on 06.07.22
27. Practical- Vermi-composting on 13.07.22
28. Practical-Sketch and diagram on rice pest on 13.07.22
29. Macro-Micronutrient deficiencies & their Management in major field crops on 20.07.22
30. Pest management of solanaceous vegetables on 20.07.22
31. Practical- Plant Propagation Techniques of fruit crops on 27.07.22
32. Fodder cultivation technology on 27.07.22
33. Cyber extension- Concept& various agricultural information sources on 03.08.22
34. Production Technology of Kharif Onion on 03.08.22
35. Basic principles and methods of irrigation on 10.08.22
36. Practical–Mushroom cultivation on 10.08.22
37. Practical- Identification on different type of weeds and herbicide selection on 17.08.22
38. Cultivation techniques of major pulse crops on 17.08.22
39. Seed Certification on 07.09.22
    2nd Quiz Exam on 07.09.22
40. Practical – Canopy management, intercultural operation and bahar treatment in fruit crops .on 07.09.22
41. Mid- Term Examination on 10.08.22
42. e NAM (National Agricultural Marketing) on 21.09.22
43. Pest Management on major Pulse crops.on 21.09.22
44. Cultivation practice of solanaceous vegetables on 28..09.22
45. Agro-ecological zone, cropping system and crop rotation on 28..09.22
46. Integrated Nutrient Management of field crops on 12.10.22
47. Mathematical calculation of fertilizer and pesticide dose .on 12.10.22
48. Exposure visit on 13.10.22
49. Extension Management- Communication , Negotiation & Motivation.on 19.10.22
50. Soil profile, Types, Characteristics and properties on 19.10.22
51. Problem of nematode in vegetables and its management on 26.10.22
52. Harmful and Beneficial insects, Harmful effect of indiscriminate use of agricultural inputs and compatibility of agrichemicals on 26.10.22
53. Exposure visit on 03.11.22

54. Cultivation Practices of major cut flowers on 09.11.22
55. Farm mechanization: Its importance and utilization of different farm machinery on 09.11.22
56. Exposure visit on 17.11.22
57. Role of microfinance in rural development on 23.11.22
58. Outreach in agriculture production system on 23.11.22
59. Integrated Disease Management 30.11.22
60. Group approaches in Agriculture Extension and marketing role of CIGs, FIGs ,WIGS, FOs on 30.11.22

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
SAMETI, Narendrapur, ATMA Purba Bardhaman	DAESI course
ICAR-Indian Institute of Water Managemnt , Bhubaneswas	HRD training of KVK official
ICAR-Central Institute of Subtropical Horticulture, Malda	HRD training of KVK official
Directorate of Agriculture, Govt. of W.B.	▪ Input supply for Seed village program ▪ Supply of new variety pulse and oil seed
Animal Resource Development Department, Govt. of W.B.	• Vaccination camp
Office of Assistant Director of Fisheries, Meen Bhawan, Burdwan	• Fish fingerlings supply • Training on fish culture, management • Awareness camp on subsidized loan scheme, fisherman identity card, Formation of Self help group, Fish production group, cooperative societies etc.
ATMA	• Governing body and management committee member • Collaborative programmes:- **Trainings – 4 nos.** **Demonstration – 2 nos**. **Trials - 02 nos.**
RKVY	• Governing body and management committee member
NREGS	Convergence programmes were • Training of NREGA technical staff on Vermi-compost, Rainwater harvesting, horticulture, Composite fish culture, Integrated farming • Field demonstrations by KVKs on NREGA works on IMC culture, Duck rearing, integrated farming (Fish-livestock- horticulture) • Skill development of NREGA workers under SGSY through Preparation of jute handicrafts, kantha-stitch.
National Seed Corporation, State Seed Corporation,	Foundation and certified paddy and potato, pulses and oil seed etc.
Bidhan Chandra Krishi Viswavidyalaya, Mohanpur	• Time to time planning execution

	• Planting material collection • Bio fertilizers collection • Resource persons
Vishwabharati University	• Trainings / demonstrations
Rathindra KVK, Visva-Bharati	DEASI study tour
College of Agriculture, BCKV, Burdwan	DEASI study tour
WBCADC, Kalna	Procurement of poultry chicks and ducklings
Regional Fodder Station, Kalyani	Collaborative demonstration on fodder crops
West Bengal University of Animal and Fishery Science	Feed and milk sample analysis
Regional Station for Forage Production Demonstration, Kalyani	Training and fodder seed collection
CIFA, Kalyani	Exposure visit
State Agricultural Management Extension Training Institute, Narendrapur	DAESI programme
NABARD, CBI, SBI & RRBs ,Burdwan Region	Farmers; club, Credit facility for farmers
NGOs like Men at Work, Ujjiban, SSSNS, Meghdhoot, Mangal Chandi Self help group	Farmers' tour , Training etc

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.)
Demonstration on fodder crops. 150 kgs of Maize seeds **(Var. J-1006)**, 100 kgs of Ricebean **(Var. Bidhan-2)** and 50 Kgs of Sorghum seeds **(Var. PC-23) were distributed to 52 nos. of farmers.**	To create awareness to the farmers and farm women for green fodder production for better animal health and milk production.	08.06.2022	Regional Fodder Station, Kalyani	NIL. Fodder seeds were supplied free to KVK.

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of	Area (Sq.	Details of production			Amount (Rs.)		Remarks
				Variety/bre	Produce	Qty.	Cost of	Gross	

		estt.	mt)	ed			inputs	income	
1.	Orchard	2009	10000	Mango, Guava, Citrus	Fruits	**	10000	**	** Orchard is under lease of Rs.56000.00
2.									
3.									
4.									
5.									
6.									
7.									
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Okra	15/2/22	multiple time	0.01	Kashi Kranti	seed	0.5 q	7000	25000 (not sold)	
Mango	-	-	-	Langra, Himsagar, Mallika & Amrapali	saplings	1000 pcs	40000	100000	
Guava	-	-	-	Baruipur	saplings	305 nos.	3000	15250	
Lime	-	-	-	Kagzi	saplings	305 nos.	3000	15250	
Turmeric Rhizome		February, 2022		Suguna	Rhizomes	833 kg	30000	59980	
Other horticulture produce(vegetables, banana bunch, seedling of brinjal water melon and green coconut)							10000	24722	

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)
			Due to COVID protocol, no one allowed to stay in the Trainees Hostel
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
Current	State Bank of India	Mankar, PurbaBardhaman	30466431682

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	

7.4 Utilization of KVK funds during the year 2022-23 (Not audited)

Sl. No.	Particulars	Sanctioned (Rs in lakh)	Released (Rs in lakh) December 2022	Expenditure (Rs in lakh) December 2022
A. Recurring Contingencies				
1	Pay & Allowances	152.00	115.20	112.30
2	Traveling allowances	1.50	1.50	1.35
3	HRD	0.30	0.30	0.00
3	Contingencies			
A	Stationary, telephone, postage and other expenditure on office running, etc			
B	POL, repair of vehicles, tractor and equipments	2.00	2.00	1.75
C	Meals/refreshment for trainees (@Rs75/day/trainee for residential and @ Rs 40/day/trainee for non-residential training)			
D	Training material(need based materials & equipment for conducting the training)	1.50	1.50	1.50
E	FLD	0.75	0.75	0.75
F	OFT	0.75	0.75	0.50
G	IFS			
H	Training of extension functionaries			
I	Extension activities			
J	Farmers Field School			
K	EDP/Innovative activities			
L	Soil & Water testing & Issue of Soil Health Cards			
M	Display board			
N	Maintenance of building			
O	SCSP	19.00	19.00	16.00
TOTAL (A)				
B. Non-Recurring Contingencies				
1	Equipment & furniture	1.00	1.00	1.00
2	Works	0.00	0.00	0.00
3				
4	Library	0.10	0.10	0.00
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				
Swachhta Expenditure		16750.00	16750.00	16750.00

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	Rs.158539.00	Rs. 1282977.00	Rs.610154.00	Rs. 831362+ 900000 (Kind)
2020-21	Rs 831362.00	Rs. 909865.00	Rs. 697737.00	Rs. 1043490+900000(Kind)
2021-22	Rs. 1043490.00	Rs. 1658621.00	Rs. 869808.00	Rs. 1100000+900000(Kind)
2022-23 (Dec 2022)	Rs. 1832303.00	Rs. 981542.00	Rs. 800000.00	Rs. 2000000+ 900000(kind)

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

Nameof 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	18	1184007
Livestock		
Fishery		
Weather	37	2285467
Marketing		
Awareness		
Training information		
Other	3	1056
Total	**47**	**3473530**

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	31,000
2.	No. of farmers registered in the portal	1,92,562
3.	Mobile Apps developed by KVK	*01*
4.	Name of the App	*KVK Burdwan App*
5.	Language of the App	*English*
6.	Meant for crop/ livestock/ fishery/ others	*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	6	15000

activities on generate of wealth for waste		
6. Used water for agriculture/ horticulture application	-	
7. Swachhta Awareness at local level	-	
8. Swachhta Workshops	-	
9. Swachhta Pledge	-	
10. Display and Banner		
11. Foster healthy competition		
12. Involvement of print and electronic media		
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)		
14. No of Staff members involved in the activities		
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)		
Total		

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with SeemaSurakshaBal/ BSF

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school

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

Give good quality 1-2 photograph(s)

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

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

9.10. Details of Swachhta Hi Sewa (16-31.12.2022) programme organized

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

9.11. Details of Mahila Kisan Divas programme (15.10.2022) organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1					

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

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1			
2			
3			
4			

9.13. Revenue generation

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

9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e.	Present status of functioning

	IMD/ICAR/Others (pl. specify)	

9.16. Contingent crop planning

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

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

a) Year:
b) Introduction / General Information:

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

11. Details of TSP

a. Achievements of physical output under TSP during 2022-2023

Programmes	**Physical achievements**
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	
On-farm trials (Number)	
Frontline demonstrations (Number)	
Farmers training (in lakh)	
Extension personnel training (in lakh)	
Participants in extension activities (in lakh)	
Seed production (in tonnes)	
Planting material production (in lakh)	
Livestock strains and fingerlings production (in lakh)	
Soil, water, plant, manures samples testing (in lakh)	
Provision of mobile agro – advisory to farmers (in lakh)	
No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	

b. Fund received under TSP in 2022-23 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2022-2023

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	
2	Change in family consumption level	%	
3	Change in availability of agricultural implements/ tools etc.	No. per household	

d. Location and Beneficiary Details during 2022-2023

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

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

Natural Resource Management

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

Crop Management

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

Livestock and fisheries

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

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

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

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

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

Sl. No.	Name of the organization/	Trust Deed	Date of Trust Registration	Proposed Activity	Commodity Identified	No. of Members	Financial position	Success indicator

	Society	No.& date	Address				(Rupees in lakh)	

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

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	Crop diversification	• Crop diversification with TCB • Crop diversification with vegetables	Rs. 136000/-	38	

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

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

19. Information on Visit of Ministers to KVKs, if any

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

20. a) Information on ASCI Skill Development Training Programme, if undertaken during 2022

Name of the Job role	Name of the certified Trainer of	Date of start of training	Date of completion of training	No. of participants						Whether uploaded to SIP	Fund utilized for the training
				SC		ST		Other			
				M	F	M	F	M	F		

	KVK for the Job role									Portal (Y/N)	(Rs.)

b) Information on Skill Development Training Programme (Other than ASCI or less than 200 hrs., if any) if undertaken during 2022

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

21. Information on NARI Project (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**

22. Information on Krishi Kalyan Abhiyan Phase-III, if applicable

a) Training achievements

Name of KVK	***Period***	***No. of Training on diversified farming practices for doubling farmers' income organized***	***No. of farmers trained***	
			Male	***Female***
	01.01.2022 to 31.12.2022			

b) Other achievements

Sl. No.	**Particulars**	**January, 2022 to December, 2022**
1	Number of demonstrations other than oilseeds and pulses	
2	Number of demonstrations on oilseed crops	
3	Number of demonstrations on pulse crops	
4	Number of farmers trained	
5	Number of participants in Extension activities	
6	Number of farmers for Mobile Advisory	
7	Production of seeds (in quintal)	
8	Production of planting material (Number)	
9	Number of soil sample tested	
10	Number of farmers covered in Climate Resilient villages	

11	Number of farm families covered in Farmer FIRST project	
12	ARYA project: Number of youth trained	
13	ARYA project: Number of entrepreneurial activities started	
14	Number of farm families in DFI villages	

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

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

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

***