ANNUAL PROGRESS REPORT

2023 -2024

भाकृअनुप
ICAR

KRISHI VIGYAN KENDRA
DHANBAD, BALIAPUR FARM
DIST. - DHANBAD-828201
BIRSA AGRICULTURAL UNIVERSITY
RANCHI, JHARKHAND.

PROFORMA FOR ANNUAL REPORT 2023 -2024 (April,2023-March,2024)

1. GENERAL INFORMATION ABOUT THE KVK

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

Name and address of KVK	Telephone		E-Mail
	Office	FAX	
Krishi Vigyan Kendra, Dhanbad Baliapur farm, Dhanbad-828201	Office 09431507690	FAX	kvkdhanbad@rediffmail.com kvkdhanbadbau.2012@gmail.com **Website--www.kvkdhanbad.org.in**

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

Name and address of Host Organization	Telephone		E mail
	Office	FAX	
Birsa Agricultural University, Ranchi, Jharkhand.	0651-2450500 0651-2450777	0651-2450525	

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Sh. Lalit Kumar Das		09431507690	kvkdhanbad@rediffmail.com

1.4. Year of sanction of KVK: 2005

1.5. Staff Position (**as on 31st March, 2024**)

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	Sh. Lalit Kumar Das	I/C Senior Scientist& Head	Agril. Extn.	79800-211500	15.07.2019	Permanent	SC
2.	Subject Matter Specialist	Dr. Devkant Prasad	Scientist	Agronomy.	79800-211500	02.01.2023	Permanent	Gen
3	Subject Matter Specialist	Dr. Seema Singh	Scientist	Home Science	79800-211500	01.04.2019	Permanent	Gen
4.	Subject Matter Specialist	Dr. Rajeev Kumar	Scientist	Agril. Engg.	79800-211500	11.12.2007	Permanent	Gen
5.	Subject Matter Specialist	Vacant	-	-	-	-----		-
6.	Subject Matter Specialist	Vacant	-	-	-	-----		-
7.	Subject Matter Specialist	Vacant	-	-	-	-----		-
8.	Programme Assistant	Sri Raman Kr. Srivastava	Programme Assistant	Agriculture	35400-112400	01.07.2009	Permanent	Gen
9.	Computer Programmer	vacant	---		-	-	-	-
10.	Farm Manager	Sri Sanjay Kumar	Farm Manager	Agriculture	35400-112400	01.03.05	Permanent	Gen
11.	Accountant / Superintendent	-		-	-	-		
12.	Stenographer	-			-	-		
13.	Driver	Sri Hem Prasad Manjhi	Contractual		9000		Contractual	ST
14.	Driver	Sri Girdhari Mahto	Contractual		9000	-	Contractual	OBC
15.	Supporting staff	Sri Shyamal Sarkar	Contractual	-	7000	-	Contractual	Gen
16.	Supporting staff	Sri Ram Prasad Murmu	Contractual	-	7000	-	Contractual	ST

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)	Name of infrastructure
1	Under Buildings	1.0	Administrative Building, Farmers Hostel, Staff Quarters
2.	Under Demonstration Units	1.0	Rain Water harvesting structure, Threshing floor, Soil test Lab, Seed Processing Unit, Mushroom Unit etc.
3.	Under Crops	4.5	Cereal, Pulse, Oilseed, Vegetable etc
4.	Orchard	1	Mango, Guava, Awanla, Bel etc.
5.	Agro-forestry	-	-
6.	Others with details	2.5	technological park, shednet, pond
	Total	10.0	

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)	Functional/ non-functional*	Source of funding
1.	Administrative Building					Before 31.03.2007		Functional	ICAR
2.	Farmers Hostel					-do-		Functional	ICAR
3.	Staff Quarters (6)					-do-		Non functional (Complete Damage)	ICAR
4.	Piggery unit								
5	Fencing					Incomplete		Incomplete	
6	Rain Water harvesting structure					Incomplete		Incomplete	
7	Threshing floor					Before 31.03.2007		Functional	
8	Farm godown								
9.	Dairy unit								
10.	Poultry unit								
11.	Goatry unit								
12.	Mushroom Lab								
13.	Mushroom production unit					Before		Functional	

						31.03.2007			
14.	Shade house					2023		Functional	
15.	Soil test Lab					Before 31.03.2007		Functional	ICAR
16	Others, Please Specify					Before 31.03.2007		Functional	

* 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
Tractor with trolley	2006	--	1702.2 hours	Not Working but need repairing
Tractor with trolley	Provided by BAU Ranchi		01204.7 hours	Working
Tata Sumo	2006	500000	256584 km.	Condemned
Motar Cycle	2016	59961	2879 km	Working
Motar Cycle	2016	59961	8259 km	Working

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
b. Farm machinery				

c. AV Aids				
Desktop Computer set	2006	--	Not Working	ICAR
Xerox	2007	--	Not working	ICAR
Digital Camera	2007	14512.50	Not Working	ICAR

D) Farm implements

Name of implements	Year of purchase	Cost (Rs.)	Present status	Source of fund
Diesel Pump set Big – 5 H.P	2006	-	Not Working	
Spraying Machine (Gatour)	2006	-	Working	
Disc plough	2009	-	Working	
Multi purpose seed drill	2009	-	Not working	
Grass cutter	2009	-	Not working	
M. B. Plough	2009	-	Working	
Seed cum fertilizer drill	2009	-	Not working	
Rotary Tiller	2009	-	Working	
Power sprayer	2009	-	Not working	
Cage wheel nut bolt type	2009	-	Working	

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.	19.12.2023	30	Improve the co-ordination with NGO's & line departments for improvement of income generation of farmers of Dhanbad district	In collaboration with NABARD, Dhanbad & FPO (Nirsa block & Tundi block) established and 4 FPO has to be establish in this year.	
			At least establish one acre of land for organic farming and one acre of land for natural farming in KVK farm	KVK, Dhanbad established one acre land for Pigeon pea crop in organic farming and one acre land for Mustard crop in Natural Farming	
			Establish one acre of land for millets farming in KVK farm	Ragi vriety A-404 is cultivated in one acre land of KVK, Dhanbad	
			Mushroom production should be promoted for self-employment of farm women	In training and demonstration Mushroom spawn production	

				promoted to the farmers and farm women for self- employment and at least 200 farmers and farm women are involved in Mushroom cultivation	
			Farm women should be trained for value addition of crop, so that they may get appropriate cost of crop	At least 150 farm women trained for value addition of crop	
			Drip irrigation technology should be promoted in the district for cultivation of Horticultural crops	With the help of line department farmer of Dhanbad district uses Drip irrigation technology in about 500 ha for the cultivation of vegetables, flowers and other horticultural crops. Training on Drip irrigation technology is also organize time to time during 2022 80 farmers were benefited with the training programme.	
			Training and demonstration should organize to promote new variety of oilseeds and pulses	For the promotion of oilseed and pulse crop 10 training programme were conducted beside this demonstration programme of new variety of oilseed and pulses were conducted in 170 ha area in which 472 farmers were benefited.	
			Animal Husbandry department / Fishery department should linked with KVK to make more benefit for farmers and farm women	In collaboration with District fisheries Department vegetable seeds were distributed in 27 ha of land in Topchanchi Block of Dhanbad and they were also benefited with the technological solutions.	
			Grafting, Budding & Air layering should promoted through training & demonstration	110 Farmers and youths were trained in Grafting, Budding & Layering and 24 RAWE students of BAU Ranchi were also trained.	
			Plantation should be promoted in Barren land in collaboration with DHO, Dhanbad	Plantation programme are started in barren land with the collaboration with DHO, Dhanbad.	

** Salient recommendation of SAC in bullet form*

2.a. District level data on agriculture, livestock and farming situation (2023)

Sl. no.	Item	Information		
1	Major Farming system/enterprise	Agriculture + Livestock, Agriculture + Livestock + Poultry Agriculture + Horticulture Agriculture + Horticulture + Sericulture Agriculture + Fisheries + Duckery + Poultry		
2	Agro-climatic Zone	Zone – 7 Sub zone – IV		
3	Agro ecological situation	Sandy loam, rainfed, undulating	Soils are light textured having undulating topography & crops are grown under rainfed situation. No irrigation facility is available.	
		Sandy loam, undulating, irrigated.	Soils are light textured having undulating topography with irrigation facility. The sources of irrigation are mainly wells and tanks.	
		Clay soil, rainfed.	Soils are heavy textured, rich in organic matter and fertile. Crops are grown under rainfed situation. Only life saving irrigations is available.	
		Heavily soil, undulating, rainfed / forest	Soils are heavy textured having undulating topography with no irrigation facility. Most of lands are under forest. Crops are grown under rainfed situation.	
4	Soil type	Stony & gravelly	Found near the foot hills. Thickness of soil is very less. Used only for recreation purpose and picnic spots.	
		Sandy soil	Locally known as balu found near the river soils. They are course textured having less water holding capacity & deficient in plant nutrients.	
		Loamy soil	Found near the hills. They are medium textured soil having low water holding capacity. These soils are under cultivation of various types of crops.	
		Clay soil	Found near the tanks and rivers. They are heavy textured soil having high water holding capacity. These soils are fertile & very productive. Various type of crop and vegetables are grown.	
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Crop	Area (ha)	Productivity (Qtl /ha)
		Rice	42155	27.5
		Maize	2619	24.0
		Wheat	2817	25.0
		Pigeon Pea	1787	12.0
		Mustard	7824	9.1
		Chick pea	4718	15.0
		Potato	1248	263.0
		Onion	903	190.2

Note: Please give recent data only

2.b. Details of operational area / villages (2023)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Dhanbad	Baliapur	Shitalpur	**Kharif-** Rice, Ragi, Sesame, Black gram, Red gram, vegetable **Rabi-** Wheat, Mustard, Linseed, Gram, Lentil, Potato, Brinjal **Summer-** Moong, Ladyfinger, Bottle guard, Ridge guard.	1. Unavailability of quality seed. 2. Unavailability of quality insecticides. 3. Scarcity of irrigation water during Rabi & Summer. 4. Lack of knowledge about improved scientific cultivation. 5. High cultivation cost of paddy. 6. Damage of grains during storage.	1. Improvement of soil and water conservation practices. 2. Improvement in yield of mono crop rice. 3. Popularization of IPM measures for field and Horticultural crops. 4. Introduction of post harvest & value addition technology.
2.	Dhanbad	Baliapur	Salpatra	**Kharif-** Rice, Maize, Sesame, Black gram, Red gram, Vegetables. **Rabi-** Wheat, Mustard, Linseed, Gram, Lentil, Pea, Potato, Brinjal, Cauliflower, Cabbage. **Summer-**Sesame, Moong, Ladyfinger, Cucurbits.	1. Unavailability of quality seed. 2. Unavailability of quality insecticides. 3. Scarcity of irrigation water during Rabi & Summer. 4. Lack of knowledge about improved scientific cultivation. 5. High cultivation cost of paddy. 6. Damage of grains during storage.	1. Improvement of soil and water conservation practices. 2. Improvement in yield of mono crop rice. 3. Popularization of IPM measures for field and Horticultural crops. 4. Introduction of post harvest & value addition technology.

2. c. Details of village adoption programme during 2023:

Name of the villages adopted by Sr. Scientist & Head and SMS (in year 2023) for its development and action plan

Name of village	Block	Action taken for development
Salpatra	Baliapur	Base line survey, Training, FLD and OFT
Shitalpur	Baliapur	Base line survey, Training and FLD
Baliapur Purvi	Baliapur	Base line survey , Training and FLD
Lakhipur	Kaliasol	Base line survey , Training and FLD

2.1 Priority thrust areas of KVKs

S. No	Thrust area
1.	Improvement of soil and water conservation practices
2.	Management of problematic soils.
3.	Popularization of integrated nutrient management practices
4.	Improvement in yield of mono crop rice.
5.	Diversification of traditional rice-based cropping system with appropriate commercialization
6.	Breed Improvement of cattle and pig
7.	Popularization of IPM measures for field and Horticultural crops.
8.	Introduction of postharvest & value addition technology.
9.	Entrepreneurship development of SHG groups.

3. TECHNICAL ACHIEVEMENTS

3.1. Summary details of target and achievement of mandatory activities by KVK during the year 2023

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
8	6	80	0	0	6	4	34	16	40	20	60	170	246	425	126	154	105	162	570	307	801	623	1424

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
125	137	3500	422	324	443	292	14	198	887	373	1260	2000	2092	10000	358	166	412	298	8966	2417	9736	2881	11617

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 (Crop and variety)	Achievement (q)	Sold (q)	Target (crop and variety)	Achievement	Sold (number)
60	65.85		10000	12000	

Livestock strains (in no's) and fish fingerlings produced (in lakh)*		**Soil, water, plant, manures samples tested (in lakh)**	
Target	Achievement	Target	Achievement

* Give no. only in case of fish fingerlings

3.2 ACHIEVEMENTS ON TECHNOLOGIES ASSESSED AND REFINED (OFT)

3.2. 1 Technology Assessed by KVK (Discipline wise)

A	**Technologies assessed under various crops (Cereal Crop Production)**			
	Thematic areas	**Number of the technologies (Technology Interventions)**	**No. of trials**	**No. of Locations**
1	Integrated Nutrient Management	1	1	10
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology	1	1	10
9	Farm Machineries			
10	Integrated Farming System			
11	Seed / Plant production			
12	Post Harvest Technology / Value addition	2	2	20
13	Drudgery Reduction			
14	Storage Technique			
15	Others (Pl. specify)	1	1	10
16	Cropping Systems	1	1	10
17	Farm Mechanization			
18	Others			
	Total			
B	**Technologies assessed under various crops (Hort crops.)**			
	Thematic areas	**Number of the technologies (Technology Interventions)**	**No. of trials**	**No. of Locations**
1	Integrated Nutrient Management			
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			

5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Post-harvest Technology / Value addition			
10	Others if any specify			
C	**Technologies assessed under livestock & Fisheries by KVKs**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Disease & Health Management			
2	Breeding management/Evaluation of Breeds			
3	Feed and Fodder management			
4	Nutrition Management			
5	Production and Management			
6	Processing and Value addition			
7	Fisheries management			
8	Others (waste, ITK etc)			
	Total	**0**	**0**	**0**
D	**Technologies assessed under miscellaneous enterprises by KVKs**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Drudgery reduction			
2	Entrepreneurship Development			
3	Health and nutrition			
4	Processing and value addition			
5	Energy conservation			
6	Small-scale income generation			
7	Storage techniques			
8	Household food security			
9	Organic farming			
10	Agroforestry management			
11	Mechanization			

12	Resource conservation technology			
13	Value Addition			
14	Others			
	Total	**0**	**0**	**0**
E	**Technologies assessed under various enterprises for women empowerment**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Drudgery Reduction			
2	Entrepreneurship Development			
3	Health and Nutrition			
4	Value Addition			
5	Others			
	Total	**0**	**0**	**0**

3.2.2 OFT (All discipline)

OFT-1

1	Title of On farm Trial	**IMPROVEMENT OF NITROGEN USE EFFICIENCY IN RICE**
2	Problem diagnose	Excessive use of chemical fertilizer and Spiraling price of urea leads to increase in cost of cultivation
3	Details of technologies selected for assessment/ refinement	**Farmer Practice : RDF (100:40:20) Kg/ha** **Technological Option 1:** 50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at pre flowering stage). **Technological Option 2:** 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water.
4	Source of Technology	BAU, Sabour
5	Production system and thematic area	Rice - fallow
6	Performance of the Technology with performance indicators	1. Yield data, 2. No. of effective tillers/m2 , 3. 1000 grain weight, 4. Panicle weight, 5. Grain and Straw yield and 6. Economics. 7. soil data before and after (pH, EC, OC, NPK,),
7	Final recommendation for micro level situation	
8	Constraints identified and feedback for research	
9	Process of farmers participation and their reaction	

Table 1: Effect of Nano urea application on yield attributing characters, grain, straw yield and economics of rice crop.

Treatment	No. of tillers/m2	No. of panicles/ m2	No. of filled grains / panicle	1000 grain weight (g)	Grain yield (Kg/ha)	Straw yield (Kg/ha)	B:C ratio
Farmer Practice: RDF (100:40:20) Kg/ha	288.5	284.9	175.8	23.5	3499	6094.2	1.98
Technological Option 1:50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at pre flowering stage).	262.4	266.3	161.8	21.5	3067	5043.7	1.68
Technological Option 2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water.	276.0	271.0	165.1	22.2	3189	5255.7	1.77
S.Em							
CD (5%)							

Rice seed distribution of OFT programme on Improvement of Nitrogen use efficiency in rice

Uprooting and transplanting of Rice in Farmers field under OFT programme on Improvement of Nitrogen use efficiency in rice

Preparation of solution to spray Nano urea in Rice field in OFT Programme

Spray of Nano urea in rice field under OFT Programme on Improvement of Nitrogen use efficiency in rice

OFT-2

1	Title of On farm Trial	**DIVERSIFICATION OF RICE-BASED CROPPING SYSTEMS**
2	Problem diagnose	low profitability of existing cropping system
3	Details of technologies selected for assessment/ refinement	**Farmer Practice:** Rice – Wheat (prominent cropping system of district) **Technological Option1**: Rice- Maize + Potato **Technological Option2**: Rice-Maize + Vegetable Pea **Technological Option3**: Rice-wheat –Green gram.
4	Source of Technology	BAU, Sabour
5	Production system and thematic area	Rice - fallow , Crop diversification.
6	Performance of the Technology with performance indicators	1. Rice equivalent yield qt/ha of all crops, 2. Sole crop and intercropping, 3. Cost of cultivation 4. soil data before and after (pH, EC, OC, NPK
7	Final recommendation for micro level situation	
8	Constraints identified and feedback for research	
9	Process of farmers participation and their reaction	

Table 1: Effect of Rice based cropping system on yield attributing characters, grain, straw yield and economics of rice crop.

Treatment	No. of tillers/m2	No. of panicles/ m2	No. of filled grains / panicle	1000 grain weight (g)	Grain yield (Kg/ha)	Straw yield (Kg/ha)	B:C ratio
Farmer Practice: Rice – Wheat (prominent cropping system of district)	278.5	274.9	162.8	21.5	3299	4948	1.87
Technological Option1: Rice- Maize + Potato	286.6	281.3	164.2	21.9	3462	5193	1.92
Technological Option2: Rice-Maize + Vegetable Pea	280.1	279.8	165.1	22.0	3689	5263	2.17
Technological Option3: Rice-wheat –Green gram.	284.9	283.3	166.6	22.4	3546	5215	2.04
S.Em							
CD (5%)							

Table 4: Available nutrient content. Initial soil Status/ cropping history of OFT site

Treatment	pH	EC (dS/m)	Organic Carbon (%)	Available N (Kg/ha)	Available P (Kg/ha)	Available K (Kg/ha)
Farmer Practice: Rice – Wheat (prominent cropping system of district)	6.1		4.0 g/kg	226	23.0	115
Technological Option1: Rice- Maize + Potato	6.0		4,30 g/kg	242	22.0	108
Technological Option2: Rice-Maize + Vegetable Pea	6.1		4.0 g/ha	227	23.0	113
Technological Option3: Rice-wheat – Green gram.	6.0		4.10 g/kg	233	22.0	114
S.Em						
CD (5%)						

Rice seed distribution of OFT programme on Diversification of Rice based cropping system

Diversification of Rice based cropping system of OFT Farmers Field

OFT-3

1	Title of On farm Trial	Assessment of different methods irrigation on productivity of tomato in medium land							
2	Problem diagnose	Low production of Tomato due to scarcity of irrigation water in Rabi season							
3	Details of technologies selected for assessment/ refinement	Farmers Practice (FP) : furrow/ bed irrigation Technology option-I : Drip irrigation with Crop Residue mulch . Technology option-II : Drip irrigation with plastic mulching							
4	Source of Technology	ATARI, Patna							
5	Production system and thematic area	Pulse – Vegetable - Fallow , Natural Resource Management							
6	Performance of the Technology with performance indicators	Technological Options	No. of Trial	No. of Branch/ Plant	Field water use efficiency (Kg/m^3)	Yield (q/ha)	Cost of Cultivation (Rs./ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B C Ratio
		FP	**10**	**13**	**22.3**	**224.3**	**61000**	**179440**	**118440**	**2.94**
		TO 1		**16**	**44.1**	**379.4**	**94000**	**303520**	**209520**	**3.23**
		TO 2		**18**	**55.3**	**473.1**	**108000**	**378480**	**270480**	**3.50**
7	Final recommendation for micro level situation	**The Technological option-II i.e. Drip Irrigation with plastic mulch has more yield and Benefit Cost Ratio hence may be recommended to farmers in case of Tomato Crop in medium land situation.**							
8	Constraints identified and feedback for research	The cost of plastic mulch is high.							
9	Process of farmers participation and their reaction	Initial cost of cultivation is high.							

Farmers Practice (FP) : Furrow irrigation

Technology option-I : Drip irrigation with Crop Residue mulch

Technology option-II: Drip Irrigation Plastic mulch

OFT-4

1.	Title of On farm Trial	Assessment of preparation methods of Ripe Jack fruit Papad(Bar)
2.	Problem diagnosed	(a) Low market price of Jackfruit during peak season. (b) Lack of Nutritional value of Seasonal Fruits like Jackfruit.
3.	Details of technologies selected for assessment/refinement	Farmers /Farmwomen Practice – Local people consume ripe Jack fruit as such as ripe. TO1 - Preparation of Papad (Bar) from ripe Jackfruit Formulation- Ingredients Jackfruit Pulp- 5.0 kg, Sugar -500gm, Citric Acid-25gm, Sodium Benzoate- 5.gm TO2 – Preparation of Papad (Bar) from ripe Jackfruit Blended with Mango Formulation- Ingredients Jackfruit Pulp- 2.5 kg, Mango- 2.5 kg Sugar -500gm, Citric Acid-25.0g, Sodium Benzoate- 5.gm
4.	Source of Technology	ATARI,Patna
5.	Production system and thematic area	Value addition & Income generation
6.	Performance of the Technology with performance indicators	(a) Life & Product Recovery (b) Organoleptic Test (c) Cost/Benefit Ratio
7.	Final recommendation for micro level situation	it is recommended that preparation techniques of jackfruit Papad its labeling and packaging among the SHGs /FPOshould promoted to get FSSAI number.It is also recommended that the techniques of value addition can be initiated as entrepreneurship development among the rural youth and SHGs/FPO from local & underutilized fruits for nutrition security.
8.	Constraints identified and feedback for research	Lack of Proper Market facility and unaware of rich source of nutrients present in Jackfruits.
9.	Process of farmers participation and their reaction	Farmwomen are happy to adopt this easy techniques for income generation by locally and seasonally available jackfruits in making Jackfruit papad with labeling and packaging & also in farm family as well for household consumption.

Nutrition value Of Jackfruit(per 100gms)

Nutrients	Protein(gm)	Minerals(gm)	Carbohydrates(gm)	Energy(Kcal)	Calcium(mg)	Phosphorus(mg)	Iron(mg)
Jackfruit	1.9	0.9	19.8	88	20	41	0.56

Technology assessed:

Technology option	No. of trials	Shelf Life OrganolepticTest at 5 point Scale Taste Flavour Colour Texture General Acceptability			Production/ unit	Cost of cultivation (Rs./Kg)	Gross return (Rs/kg)	Net return (Rs./kg)	BC ratio
		After 2 months	After 4 months	After 6 months					
Farmers /Farmwomen Practice – Local people consume ripe Jack fruit as such as ripe.	5	Fair	Fair	Fair	5Kg	200.00	360.00	120.00	1.8:1
TO1 - Preparation of Papad (Bar) from ripe Jackfruit Formulation- Ingredients Jackfruit Pulp- 5.0 kg, Sugar - 500gm, Citric Acid-25gm, Sodium Benzoate- 5.gm	5	Fair	Fair	Fair	5Kg	250.00	875.00	475.00	7:2
TO2 – Preparation of Papad (Bar) from ripe Jackfruit Blended with Mango Formulation- Ingredients Jackfruit Pulp- 2.5 kg, Mango- 2.5 kg Sugar -500gm, Citric Acid-25.0g, Sodium Benzoate- 5.gm	5	Good	Good	Fair	5Kg	125.00	375.0	250.0	:2

Technological Option 1

Technological Option 2

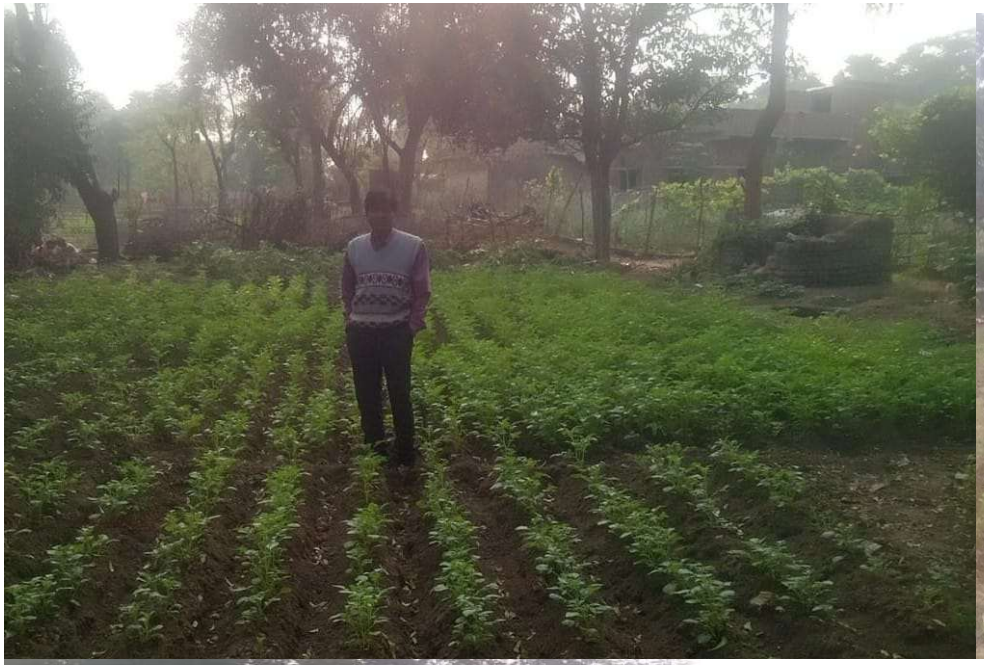
Trainings: Food Processing & Value Addition

Training in Convergence

OFT-5

1.	Title of On farm Trial	**Assessment of Effectiveness Extension Methods for dissemination of commercial Vegetable Production Technologies (Potato)**
2.	Problem diagnosed	Not appropriate communication method
3.	Details of technologies selected for assessment/refinement	Farmers Practice (TO-I): Individual contact method (farm and home visit) TO-II : Group contact Method (Demonstration, Lecture, Participatory Discussion/Training) T0-III : Mass Contact (Leaflet, Mobile Advisory, A/V film)
4.	Source of Technology	IARI, ICAR, New Delhi ,ATARI,Patna
5.	Production system and thematic area	Rainfed upland & fertilizer management.
6.	Performance of the Technology with performance indicators	i) Adoption ii) Knowledge. iii) Attitude related to soil Health Card.
7.	Final recommendation for micro level situation	Farmers have no reading or very little reading habit due to illiteracy and lack of good literature in local language. KVK providing the technical literature in local dialect to understand the technology of the production
8.	Constraints identified and feedback for research	Farmers have no reading or very little reading habit due to illiteracy and lack of good literature in local language. KVK providing the technical literature in local dialect to understand the technology of the production
9.	Process of farmers participation and their reaction	Farmers admitted that Mass Contact based social media was found very good and quick in problem solving and technology dissemination

Technology option	**Technical Parameter**			Effectiveness Intensity (N=60)	**Economic Parameter**			
	Effectiveness of extension method(%)							
	Less Effective(N=20)	Effective(N=20)	Most Effective(N=20)		Cost of cultivation (Rs./ha.)	Gross income(Rs./ha.)	Net income(Rs./ha.)	B:C ratio
Farmers Practice (TO-I): Individual contact method (farm and home visit)	5(25)	8(40)	7(35)	1.65	72500	162000	89500	2.23
TO-II : Group contact Method (Demonstration, Lecture, Participatory Discussion/Training)	3(15)	7(35)	10(50)	2.45	73500	215600	142100	2.93
T0-III : Mass Contact (Leaflet, Mobile Advisory, A/V film)	14(70)	2(10)	4(20)	1.30	74200	195800	121600	2.63
Result: TO-II : Group contact Method should be adopted by Extension and experts for effective and easy transfer of Agriculture Technology on Farmers Field.								



OFT-6

1.	Title of On farm Trial	**Assessment of Preparation methods of Potatoes shelf life & enhancement of Income(ODOP)**
2.	Problem diagnosed	(a) **Low market price during peak season.**
3.	Details of technologies selected for assessment/refinement	Farmers /Farmwomen Practice – Local People Consume fresh vegetable as such as T.O.1 - Preparation of Potato Flakes Sliced Potatoes (3-5mm) - 5. kg, Salt - 50g, Water - 7.5 litre, KMS - 6.0g T.O.2 - Preparation of Potato Flakes with sour taste. Sliced potatoes (3-5mm), - 5.0 kg, Salt - 50g, water - 7.5 litre, KMS - 6.0 g, Glacial Ascetic Acid - 50 ml
4.	Source of Technology	ATARI,Patna
5.	Production system and thematic area	Value addition & Income generation
6.	Performance of the Technology with performance indicators	(d) Life & Product Recovery (e) Organoleptic Test (f) Cost/Benefit Ratio
7.	Final recommendation for micro level situation	it is recommended that preparation techniques of Potato Flakes with sour taste has more BC ratio and shelf life better hence may be recommended among farmwomen to enhance income
8.	Constraints identified and feedback for research	Lack of Proper Market facility and unaware of rich source of nutrients present in Potatoes.
9.	Process of farmers participation and their reaction	Farmwomen are happy to adopt this easy techniques for income generation by locally and seasonally available Potato in making flakes with labeling and packaging & also in farm family as well for household consumption.




Farmers Practice **Technology Option-I** **Technology Option-II**

Technology option	Technical Parameter Shelf Life Organoleptic Test at 5 point Scale				Economic Parameter		
	Zero Day	**After 15Days**	**After 30Days**	**Cost of cultivation (Rs./kg)**	**Gross return (Rs/kg)**	**Net return (Rs./kg)**	**BC ratio**
Farmers /Farmwomen Practice – Local People Consume fresh vegetable as such as	70%	60%	40%	1000.00	1500.00	500.00	1.5
T.O.1 - Preparation of Potato Flakes Sliced Potatoes (3-5mm) - 5. kg, Salt - 50g, Water - 7.5 litre, KMS - 6.0g	80%	90%	80%	1500.00	2500.00	1000.00	1.6
T.O.2 - Preparation of Potato Flakes with sour taste. Formulation - Ingredients Sliced potatoes (3-5mm), - 5.0 kg, Salt - 50g, water - 7.5 litre, KMS - 6.0 g, Glacial Ascetic Acid - 50 ml	90%	80%	70%	2500.00	4500.00	2000.00	1.8

Trainings: Food Processing & Value Addition

Training in Convergence

Please provide all the OFTs in same format Photographs in jpg. (Attach separately also with captions)

3.3 ACHIEVEMENTS OF FRONTLINE DEMONSTRATIONS (FLD)

A. Overall achievements of FLDs conducted during the year 2023

S.No	Crop category	No. of FLD	Area	No of beneficiaries	Yield in Demo (q/ha)	Yield in check (q/ha)
	Cereals					
	Oil Seed	**1**	**10ha**	**128**		
	Pulses					
	Horticulture Crops	**5**	**76ha**	**960**	**-**	**-**
	Other crops					
	Hybrid crop					
	Livestock					
	Fisheries					
	Other enterprises (Nutri Garden)	**1**	**0.5ha**	**10**	**-**	**-**
	Women empowerment					
	Farm Machinery					
	Grand Total	**10**	**76.5ha**	**970**	**-**	**-**

B. Details of FLDs conducted during the year 2023

1. Cereals

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															

2. Oilseeds

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

3. Pulses

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

4. Horticultural crops (separately Fruit, Vegetables, Flower, Medicinal and aromatics, etc.

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
1.Brinjal	Vegetable Production	Variety + RDF	158	15	180	124	45.16	75000	360000	285000	4.8	70000	248000	178000	3.54
2.French Bean	Vegetable Production	Variety + RDF	215	15	62	43	44.18	68000	186000	118000	2.73	63000	129000	66000	2.05
3.Bottle Gaurd	Vegetable Production	Variety + RDF	210	16	246	167	47.30	60000	246000	186000	4.1	55000	167000	112000	3.04
4.Tomato	Vegetable Production	Variety + RDF	185	15	365	270	35.18	70000	365000	295000	5.2	65000	270000	205000	4.15
5.Chilli	Vegetable Production	Variety + RDF	192	15	42	34	23.52	70000	210000	140000	3.0	60000	170000	110000	2.83
	Total		960												

* 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

5. 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
		Total															

6. Demonstration details on crop hybrid varieties

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

Soybean										
Others (Pl. specify)										
Total Oilseeds										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total Pulses										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total Veg. Crops										
Commercial Crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total Commercial Crops										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total Fodder Crops										

* 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

7. 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																	
Piggery																	
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

8. 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

9. 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

10. Women empowerment

Name of technology	No. of demonstrations	Name of technology	Observations		No. of Beneficiaries
			Check	**Demonstration**	
Women					
Drudgery Reduction	4	Maize Sheller, vegetable Cutter			50
Enterprises	4				
Farming System		Mushroom Cultivation			120
Health and nutrition	4	Millet based snacks			100
Kitchen Garden	20	Locally & seasonally Green Leafy Vegetables			20
Nutrigarden	10	Fruits & vegetables thru out year			10
Storage Technique					
Value addition	5	Value Addition of Tomato , Potato, Jackfruit, Mango, Amla, Bel			40
Women Empowerment	4				
Others	2	Herbal Gulal Preparation			30
Total - Women					
Children					
Health and nutrition	2	Low cost Recipes Preparartion			30
Others					
Total - Children					
Other if any					
Total others					
Grand Total	55				400

11. Farm implements and machinery

Category	No. of FLDs	Name of the implement	Crop	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			
Sowing and planting tools and machineries										
Total Sowing and planting Machineries										
Intercultural operation tools and machineries										
Irrigation management tools and machineries										
Plant protection tools and machineries										
Harvesting tools and machineries										
Postharvest processing tools and machineries	1	Paddy Thresher	Paddy	36	-	-	-	-	-	-
Total mechanization tools and machineries										
Others										
Total of Others										

* 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

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training				
3.	Media coverage				
4.	Training for extension functionaries				

Technical Feedback on the demonstrated technologies (if any)

Sl. No	Crop	Feed Back

A. PERFORMANCE OF THE DEMONSTRATION UNDER CFLD ON PULSE AND OILSEED CROPS (CFLD)

(During Kharif, Rabi and Summer)

CLUSTER FRONTLINE DEMONSTRATION OF PULSE CROP (2023-24) PERFORMANCE DATA REPORTING

1. Name of KVK:- Krishi Vigyan Kendra, Dhanbad
2. Year of establishment:- 2005
3. Host Institution:- Birsa Agricultural University Ranchi
4. Address:- KVK, Baliapur, Dhanbad
5. District:- Dhanbad
6. State:-Jharkhand
7. Performance of the demonstration:- Good

Season: Kharif & Rabi 2023-24

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
01	Pigeon Pea	Local					IPA-203 + Line sowing + Seed treatment + IPM	108	40	Crop Standing					
02	Black Gram	Local	5.6	220	282	640	IPU-2-43 + Line sowing + Seed treatment + IPM	84	30	9.8	7.4	9.1	16.7	8.07	-
03	Lentil	Local	-	-	-	-	IPL-220 +Line sowing+ Seed treatment with rizobium	54	20	Crop is Standing					

C. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	Pigeon Pea IPA- 203 +Line sowing + Seed treatment	-	-	-	-	-	-	-	-
2	Black Gram IPU-2-43 + Line sowing + Seed treatment + IPM	20400	38900	18500	1.91:1	26700	63200	36500	2.37:1
3	Lentil IPL-220 +Line sowing+ Seed treatment with rizobium	-	-	-	-	-	-	-	-

D. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/house hold)	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)
01	Pigeon Pea- IPA- 203	-	-	-	-	-	-	-
02	Black Gram IPU-2-43	27300 kg	150 kg	69.50/kg	300 kg	350 kg	• Use for own consumption • Medicine • Education	54 Man days/House hold
03	Lentil IPL-220+Line sowing+ Seed	-	-	-	-	-	-	-

	treatment with rizobium							

E. Pulse 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
01	Pigeon Pea- IPA- 203 + Line sowing + Seed treatment	-	-	-	-	-	-
04	Black Gram IPU-2-43 + Line sowing + Seed treatment + IPM	Yes	Yes	Yes	No	Yes	No
06	Lentil IPL-220 +Line sowing+ Seed treatment with rizobium	-	-	-	-	-	-

F. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Branching of Plant	Profuse branching of the Plant.	Line sowing behind the plough give the better result in branching.	Farmers are needed to small instrument for easily sowing of chickpea.
Variety	The variety gave better result in medium land situation after harvesting of Paddy.		

G. Extension activities under FLD conducted:

Sl. No./Crop	Extension Activities organized	Date and place of activity	Number of farmer attended
01 Pigeon Pea	**Training (KVK)** **Field Day**	**06.07.2023,** **26.10.2023, 27.10.2023 Nipania & Mahrai**	**52** **32**
03 Black Gram	**Training (KVK)** **Field Day**	**05.07.2023, KVK, Dhanbad** **27.10.2023 Kendutha**	**34** **21**
05 Lentil	**Training (KVK)** **Field Day**	**01.11.2023, KVK Dhanbad** **-**	**27** **-**

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

a. Crop – Pigeon Pea

b. Crop – Black Gram

c. Crop – Lentil

CLUSTER FRONTLINE DEMONSTRATION OF OILSEED CROP (2023-24) PERFORMANCE DATA REPORTING

1. Name of KVK:- Krishi Vigyan Kendra, Dhanbad **2. Year of establishment:- 2005**
3. Host Institution:- Birsa Agricultural University Ranchi **4. Address:- KVK, Baliapur, Dhanbad**
5. District:- Dhanbad **6. State:- Jharkhand**
7. Performance of the demonstration: Good

Season: Kharif & Rabi 2023-24

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
01	Sesame	Local	**3.6**	**80**	**90**	**340**	GT-4 + Line sowing +Seed Treatment + IPM	**82**	**30**	**5.63**	**4.58**	**5.1**	**15.9**	**13.3**	**-**
02	Mustard	Local	-	-	-	-	**BBM-1 + Line Sowing + Use of Sulpher @ 20 kg/ha + IPM**	**78**	**30**	Crop Standing					
03	Linseed	Local	-	-	-	-	**Priyam** + Line Sowing + IPM	**58**	**20**	Crop Standing					

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1.	Sesame – GT-4 + Line sowing +Seed Treatment + IPM	**16500**	**30900**	**14400**	**1.87**	**18400**	**39900**	**21500**	**2.17**
2	Mustard - BBM-1+ Line Sowing + Use of Sulpher @ 20 kg/ha + IPM	-	-	-	-	-	-	-	-
3	Linseed –**Priyam** + Line Sowing + IPM	-	-	-	-	-	-	-	-

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)
01	Sesame – GT-4	15300	100kg	Rs.86.00/kg	10kg/household	10kg	• Use for own consumption • Health • Education • Social activity	35 Man days/House hold
02	Mustard - BBM-1	-	-	-	-	-	-	-
03	Linseed – Priyam	-	-	-	-	-	-	-

D. Oilseeds 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
02	Sesame – GT-4+ Line Sowing + seed treatment	Suitable in upland in Kharif	Yield is good Demand in marketing due to White colour Fruiting Start from Roots of plant	Yes	Oil Content is low in comparison to Black Til	Acceptable to all farmers of group	In proper seed rate the yield can be get maximum
03	Mustard - BBM-1 + Line Sowing + Use of Sulpher @ 20 kg/ha	-	-	-	-	-	-
04	Linseed – Priyam+ Line Sowing + seed treatment + IPM	-	-	-	-	-	-

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Yield	Seed capsule setting start from root of the plant	Good	Yield is more than local variety

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
01 Sesame	**Training** **Field Day**	**22.07.2023 KVK, Dhanbad** **29.10.2023**	**42** **16**
02 Mustard	**Training** **Field Day**	**28.10.2023 KVK, Dhanbad** **-**	**52**
03 Linseed	**Training** **Field Day**	**28.11.2023, Shitalpur** **-**	**38**

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

b. Crop: Sesame:

Crop: Mustard

Crop: Linseed

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

B. Farmers' training photographs

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

D. Details of budget utilization

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

3.4 ACHIEVEMENTS ON TRAINING /CAPACITY BUILDING PROGRAMMES

(Mandated KVK trainings/sponsored training /FLD training programmes):

A) Farmers and farm women (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	16	3	19	3	1	4	1	0	1	20	4	24
Resource Conservation Technologies	1	11	10	21	0	0	0	5	2	7	16	12	28
Cropping Systems													
Crop Diversification	1	24	8	32	5	0	5	6	0	6	35	8	43
Integrated Farming	1	12	42	54	2	12	14	5	7	12	19	61	80
Water management	3	25	58	83	15	2	17	8	0	8	48	60	108
Seed production													
Nursery management													
Integrated Crop Management	1	24	0	24	0	0	0	0	8	8	24	8	32
Fodder production													
Production of organic inputs	1	7	11	18	5	3	8	3	1	4	15	15	30
Others, (cultivation of crops)	14	131	176	307	109	45	154	66	38	104	310	255	565
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management	2	38	18	56	2	3	5	2	1	3	42	22	64
Enterprise development													
Skill development													
Yield increment	1	20	0	20	1	0	1	3	0	3	24	0	24
Production of low volume and high value crops													
Off-season vegetables	1	16	3	19	3	1	4	1	0	1	20	4	24
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	1	7	11	18	5	3	8	3	1	4	15	15	30
Others, if any (Cultivation of	2	10	10	20	20	4	24	4	2	6	34	16	50

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit	1	7	11	18	5	3	8	3	1	4	15	15	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													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
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
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	4	21	42	63	4	4	8	15	4	19	41	49	90
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by													

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
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	2	21	17	38	4	0	4	12	4	16	37	21	58
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies	1	0	24	24	0	0	0	0	0	0	0	24	24
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 & use of small tools and implements	1	3	20	23	0	4	4	0	2	2	3	26	29
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post-Harvest Technology													
Rain water harvesting	3	15	67	82	2	8	10	1	7	8	18	82	100

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
Soil and water conservation	1	29	5	34	4	0	4	2	0	2	35	5	40
Integrated watershed management	1	11	16	27	6	3	9	4	0	4	21	19	40
VII. Plant Protection													
Integrated Pest Management	1	19	5	24	3	0	3	0	3	3	22	8	30
Integrated Disease Management	1	29	2	31	2	0	2	2	0	2	33	2	35
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents													

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													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production	2	18	8	26	4	6	10	5	8	13	27	22	49
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify) Bee Keeping	1	10	1	11	0	0	0	2	0	2	12	1	13
TOTAL	**49**	**524**	**568**	**1092**	**204**	**102**	**306**	**153**	**89**	**242**	**886**	**754**	**1640**

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	3	46	12	58	1	0	1	0	5	5	47	17	64

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
Bee-keeping	2	24	11	35	2	0	2	1	1	2	27	12	39
Integrated farming													
Seed production	1	19	4	23	0	0	0	0	0	0	19	4	23
Production of organic inputs													
Soil and water testing	4	7	35	42	2	5	7	4	4	8	13	44	57
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	1	14	13	27	3	0	3	0	0	0	17	13	30
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	2	4	36	40	3	7	10	0	6	6	7	49	56
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development	2	10	24	34	0	2	2	0	1	1	10	27	37
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
TOTAL	**15**	**124**	**135**	**259**	**11**	**14**	**25**	**5**	**17**	**22**	**140**	**166**	**306**

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													
Seed Production	1	18	1	19	2	1	3	2	0	2	22	2	24
Value addition	1	0	20	20	0	9	9	0	10	10	0	39	39

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 Pest Management													
Integrated Nutrient management	1	34	0	34	2	0	2	2	0	2	38	0	38
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	1	18	1	19	2	1	3	2	0	2	22	2	24
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1	17	12	29	5	0	5	0	0	0	22	12	34
Gender mainstreaming through SHGs													
TOTAL	**5**	**87**	**34**	**121**	**11**	**11**	**22**	**6**	**10**	**16**	**104**	**55**	**159**

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	2	30	8	38	6	2	8	8	3	11	44	13	57
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management	1	17	4	21	4	2	6	7	0	7	28	6	34
Seed production	1	18	1	19	2	1	3	2	0	2	22	2	24
Nursery management	2	30	8	38	6	2	8	8	3	11	44	13	57
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	**12**	**196**	**38**	**234**	**65**	**24**	**89**	**29**	**12**	**41**	**290**	**74**	**364**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Water management	1	24	7	31	5	0	5	6	3	9	35	10	45
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	3	70	5	75	12	2	14	7	0	7	899	7	96
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
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
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	2	41	0	41	4	0	4	38	3	41	83	3	86
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	4	3	71	74	2	23	25	0	3	3	5	97	102
Design and development of low/minimum cost diet													
Designing and development for high	1	0	6	6	0	7	7	0	8	8	0	21	21

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
nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition	3	5	57	62	4	30	34	0	8	8	9	95	104
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies	1	0	2	2	0	22	22	0	0	0	0	24	24
Rural Crafts	1	0	0	0	2	2	4	5	23	28	7	25	32
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	1	13	8	21	1	1	2	5	1	6	19	10	29
Production & use of small tools and implements	4	38	20	58	9	12	21	16	23	34	58	63	113
Repair and maintenance of farm machinery and implements	1	1	1	2	0	0	0	21	3	24	22	4	26
Small scale processing and value addition	1	4	16	20	2	0	2	3	0	3	9	16	25
Post-Harvest Technology	2	8	14	22	6	12	18	7	24	31	21	50	71
Others, if any													
VII. Plant Protection													
Integrated Pest Management	3	6	43	49	0	0	0	31	0	31	37	43	80
Integrated Disease Management	4	38	20	58	9	12	21	16	23	34	58	63	113
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													

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
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production	03	41	12	53	13	1	14	16	2	18	74	15	89
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	1	0	12	12	0	0	0	0	0	0	0	12	12
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
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
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**54**	**583**	**353**	**936**	**152**	**155**	**307**	**225**	**142**	**357**	**1764**	**666**	**1604**

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	1	7	11	18	1	0	1	1	0	1	9	11	20
Bee-keeping													
Integrated farming	1	0	14	14	0	5	5	0	0	0	0	19	19
Seed production	4	38	20	58	9	12	21	16	23	34	58	63	113
Production of organic inputs													
Planting material production													
Vermi-culture	1	11	9	20	4	2	6	3	1	4	18	12	30
Sericulture													
Protected cultivation of vegetable crops	1	0	14	14	0	5	5	0	0	0	0	19	19
Commercial fruit production													
Repair and maintenance of farm machinery and implements	1	6	4	10	7	8	15	4	4	8	17	16	33
Nursery Management of Horticulture crops	1	9	9	18	0	1	1	1	1	2	10	11	21
Training and pruning of orchards													
Value addition	1	7	11	18	1	0	1	1	0	1	9	11	20
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													

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
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology	1	6	4	10	7	8	15	4	4	8	17	16	33
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL	**12**	**84**	**96**	**180**	**29**	**41**	**70**	**30**	**33**	**58**	**138**	**178**	**308**

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	1	0	10	10	0	1	1	12	1	13	12	12	24
Integrated Pest Management	1	16	2	18	15	0	15	12	0	12	43	2	45
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	**2**	**16**	**12**	**28**	**15**	**1**	**16**	**24**	**1**	**25**	**55**	**14**	**69**

G) Consolidated table (ON and OFF Campus)

i. Farmers& Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	16	3	19	3	1	4	1	0	1	20	4	24
Resource Conservation Technologies	3	41	18	69	6	2	8	13	5	18	60	25	85
Cropping Systems													
Crop Diversification	1	24	8	32	5	0	5	6	0	6	35	8	43
Integrated Farming	1	12	42	54	2	12	14	5	7	12	19	61	80
Water management	4	42	62	104	19	4	23	15	0	15	76	66	142
Seed production	1	18	1	19	2	1	3	2	0	2	22	2	24
Nursery management	2	30	8	38	6	2	8	8	3	11	44	13	57
Integrated Crop Management	1	24	0	24	0	0	0	0	8	8	24	8	32
Fodder production													
Production of organic inputs	1	7	11	18	5	3	8	3	1	4	15	15	30
Others, (cultivation of crops)	26	155	183	338	114	45	159	72	41	113	345	265	610
TOTAL	**41**	**369**	**336**	**715**	**162**	**70**	**232**	**125**	**65**	**190**	**660**	**467**	**1127**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management	3	62	25	87	7	3	10	8	4	12	77	32	109
Enterprise development													
Skill development													
Yield increment	1	20	0	20	1	0	1	3	0	3	24	0	24
Production of low volume and high value crops													
Off-season vegetables	1	16	3	19	3	1	4	1	0	1	20	4	24
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	1	7	11	18	5	3	8	3	1	4	15	15	30
Others, if any (Cultivation of Vegetable)	5	80	15	95	32	6	38	11	2	13	123	23	146
TOTAL	**11**	**185**	**54**	**239**	**48**	**13**	**61**	**26**	**7**	**33**	**259**	**74**	**333**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	1	7	11	18	5	3	8	3	1	4	15	15	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)													
TOTAL	**1**	**7**	**11**	**18**	**5**	**3**	**8**	**3**	**1**	**4**	**15**	**15**	**30**

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
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	6	62	42	104	8	4	12	53	7	60	124	52	176
Others, if any													
TOTAL	**6**	**62**	**42**	**104**	**8**	**4**	**12**	**53**	**7**	**60**	**124**	**52**	**176**
IV. Livestock Production and Management													
Dairy Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	4	3	71	74	2	23	25	0	3	3	5	97	102
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet	1	0	6	6	0	7	7	0	8	8	0	21	21
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition	5	26	74	100	8	30	38	12	12	25	46	116	162
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies	1	0	24	24	0	0	0	0	0	0	0	24	24
Rural Crafts	1	0	0	0	2	2	4	5	23	28	7	25	32
Capacity building													
Women and child care													
Others, if any													
TOTAL	**12**	**29**	**175**	**204**	**12**	**62**	**74**	**17**	**46**	**64**	**58**	**283**	**341**
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices	1	13	8	21	1	1	2	5	1	6	19	10	29
Production & use of small tools and implements	5	41	40	81	9	16	25	27	33	60	77	89	166
Repair and maintenance of farm machinery and implements	1	1	1	2	0	0	0	21	3	24	22	4	26
Small scale processing and value addition	1	4	16	20	2	0	2	3	0	3	9	16	25
Post-Harvest Technology	2	8	14	22	6	12	18	7	24	31	21	50	71
Rain water harvesting	3	15	67	82	2	8	10	1	7	8	18	82	100
Soil and water conservation	1	29	5	34	4	0	4	2	0	2	35	5	40
Integrated watershed management	1	11	16	27	6	3	9	4	0	4	21	19	40

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
TOTAL	**15**	**122**	**167**	**289**	**30**	**40**	**70**	**70**	**68**	**138**	**222**	**275**	**497**
VII. Plant Protection													
Integrated Pest Management	4	25	48	73	3	0	3	31	3	34	59	51	110
Integrated Disease Management	5	67	22	89	11	12	23	18	23	36	91	65	156
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	**9**	**92**	**70**	**162**	**14**	**12**	**26**	**49**	**26**	**70**	**150**	**116**	**266**
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													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production	5	59	20	79	17	7	24	21	10	31	101	37	138
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	**5**	**59**	**20**	**79**	**17**	**7**	**24**	**21**	**10**	**31**	**101**	**37**	**138**

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
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs	1	0	12	12	0	0	0	0	0	0	0	12	12
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL	**1**	**0**	**12**	**12**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**12**
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify) Bee Keeping	**1**	**10**	**01**	**11**	**0**	**0**	**0**	**2**	**0**	**2**	**12**	**1**	**13**
TOTAL	**102**	**935**	**888**	**1833**	**296**	**211**	**507**	**366**	**230**	**592**	**1601**	**1332**	**2933**

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	4	53	23	76	2	0	2	1	5	6	56	28	84
Bee-keeping	2	24	11	35	2	0	2	1	1	2	27	12	39
Integrated farming	1	0	14	14	0	5	5	0	0	0	0	19	19
Seed production	5	57	24	81	9	12	21	16	23	39	77	67	144
Production of organic inputs													
Soil and water testing	4	7	35	42	2	5	7	4	4	8	13	44	57
Planting material production													
Vermi-culture	1	11	9	20	4	2	6	3	1	4	18	12	30
Sericulture													
Protected cultivation of vegetable crops	1	0	14	14	0	5	5	0	0	0	0	19	19
Commercial fruit production													
Repair and maintenance of farm machinery and implements	2	20	17	37	10	8	18	4	4	8	34	29	63
Nursery Management of Horticulture crops	1	9	9	18	0	1	1	1	1	2	10	11	21

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Training and pruning of orchards													
Value addition	3	11	47	58	4	7	11	1	6	7	16	60	76
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology	1	6	4	10	7	8	15	4	4	8	17	16	33
Tailoring and Stitching													
Rural Crafts													
Enterprise development	2	10	24	34	0	2	2	0	1	1	10	27	37
Others if any (ICT application in agriculture)													
TOTAL	**27**	**208**	**231**	**439**	**40**	**55**	**95**	**35**	**50**	**85**	**278**	**344**	**622**

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	1	0	10	10	0	1	1	12	1	13	12	12	24

Seed Production	1	18	1	19	2	1	3	2	0	2	22	2	24
Integrated Pest Management	1	16	2	18	15	0	15	12	0	12	43	2	45
Integrated Nutrient management	1	34	0	34	2	0	2	2	0	2	38	0	38
Rejuvenation of old orchards													
Value addition	1	0	20	20	0	9	9	0	10	10	0	39	39
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	1	18	1	19	2	1	3	2	0	2	22	2	24
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1	17	12	29	5	0	5	0	0	0	22	12	34
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													
TOTAL	**7**	**103**	**46**	**149**	**26**	**12**	**38**	**30**	**11**	**41**	**159**	**69**	**228**

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
	Nutrition Gardening	PF	1	ON	0	29	29	0	14	14
	Production and use of organic inputs	PF	3	ON	15	15	30	8	4	12
	Water management in rabi crop	PF	1	OFF	23	7	30	11	2	13
	Weed management in wheat crop	PF	1	OFF	20	4	24	4	1	5
	Skill development training for rural youth	RY	1	ON	1	15	16	0	0	0
	Mushroom cultivation and value addition for self employment	PF	1	ON	2	26	28	0	13	13
	Scientific cultivation of summer moong	PF	1	OFF	23	5	28	26	2	28
	Training for farmwomen on Nutri Gardening	PF	1	ON	0	28	28	0	21	21
	Use and maintenance of Different Agril. Implements	PF	1	OFF	28	9	37	35	2	37
	Water Management in Summer Vegetable	PF	1	ON	24	0	24	1	0	1
	Herbal gulal making for income generation by extension functionaries	EF	1	ON	1	21	22	0	11	11
	Digital Marketing for extn functionaries of FPOs	EF	1	OFF	11	16	27	2	6	8
	Summer oilseed cultivation	PF	1	ON	23	13	36	6	4	10
	Value addition on vegetables	PF	2	ON	0	40	40	0	16	16
	Summer moong cultivation	PF	1	ON	18	8	26	7	0	7
	Value addition of finger millet	PF	1	ON	4	19	23	0	10	10
	Water management in summer vegetable	PF	3	ON	18	22	40	3	4	7
	Scientific cultivation of pulse crop	PF	3	ON	18	22	40	5	8	13
	Soil testing and analysis	RY skill	8	ON	1	3	4	1	0	
	Mushroom Cultivation & Drudgery Reduction	PF	3	ON	4	38	42	0	0	0
	Energy Conservation in Agriculture Sector	PF	1	ON	15	38	53	5	12	17
	Water Management in summer crop	PF	3	ON	4	26	30	1	0	1
	Benefits of summer ploughing	PF	1	ON	16	12	28	5	2	7
	Vermicompost production	RY	3	ON	12	28	40	8	8	16
	Soil sampling and analysis	RY	8	ON	0	15	15	0	6	6

		Skill								
	Soil sampling and analysis	RY Skill	8	ON	2	21	23	0	3	3
	Bamboocrafts for entrepreneurship development	RY skill	5	OFF	4	24	28	4	24	28
	Integrated Farming System	PF	3	ON	1	39	40	0	12	12
	Mushroom Spawn Production & Value Addition	RY	2	ON	5	26	31	0	15	15
	Rain Water Harvesting Technique	PF	3	ON	0	26	26	0	5	5
	Soil and Water Conservation Technique	PF	3	ON	35	5	40	6	0	6
	Integrated Watershed Management	PF	1	ON	21	19	40	10	3	13
	Soil sampling and analysis	RY vocatio nal	8	ON	10	5	15	5	0	5
	Mango, millet processing & value addition	RY	5	ON	0	19	19	0	0	0
	Advance technology of paddy nursery production	PF	1	ON	4	22	26	1	0	1
	Mushroom cultivation and value addition	PF	1	ON	7	22	29	0	8	8
	Nursery raising techniques for horticultural crops	PF	1	ON	4	26	30	0	8	8
	Integrated crop management	PF	1	OFF	24	8	32	0	8	8
	Importance of farm implements for field preparation of kharif crop	PF	1	OFF	14	15	29	6	0	6
	Scientific cultivation of kharif pulse crop	PF	3	ON	16	9	25	6	0	6
	Rain water harvesting technique	PF	3	ON	18	16	34	3	1	4
	Millet processing for business plan	RY vocatio nal	1	ON	0	23	23	0	10	10
	Cultivation of kharif oilseed and pulses crop	RY	3	ON	37	12	49	20	6	26
	Cultivation of drought resistant variety of different crops of Kharif Season	PF	1	ON	24	16	40	8	3	11
	Cultivation of kharif oilseed and pulses	PF	2	ON	22	12	34	22	12	34
	Cultivation technique of different millet crop.	PF	2	ON	4	20	24	2	20	22
	Millets Production & Processing Training	PF	2	OFF	12	28	40	4	18	22
	Mushroom Cultivation & Value Addition	PF	3	ON	13	27	40	7	15	22
	Nursery Management of Horticultural Crops Training for Farmers and Farm WOmen	PF	1	OFF	0	41	41	0	18	18
	Nursery management of Rice crop	PF	1	OFF	20	7	27	14	0	14
	Cultivation of Kharif Pulses	PF	1	OFF	15	24	39	5	15	20

	Rain Water Harvesting Technique in Watershed	PF	1	ON	0	40	40	0	9	9
	Importance of Different Agricultural Implements Used in Kharif Season	RY	3	ON	15	25	40	7	10	17
	Integrated Farming System.	PF	3	ON	18	22	40	7	7	14
	Scientific cultivation technique of kharif to enhance productivity in watershed area	PF	3	ON	17	23	40	12	8	20
	Importance of Field Preparation Through Different Agricultural Implements in Kharif Season	PF	2	OFF	29	1	30	14	0	14
	Food Processing : Design & Development of Local Food Based Recipes	RY School dropout	1	ON	0	22	22	0	0	0
	Scientific production of vegetable seedling in protray	PF	2	ON	0	25	25	0	7	7
	Mushroom Cultivation and its value Addition	RY	3	ON	5	35	40	0	8	8
	Nursery Management of Horticultural Crops	RY	3	OFF	5	35	40	0	8	8
	Parthenium weekly awareness programme	PF	3	ON	105	35	140	30	4	34
	Integrated Farming System	PF	3	OFF	4	36	40	0	0	0
	Rain water Harvesting in Watershed Area	PF	3	OFF	1	39	40	0	0	0
	Use and Maintenance of Plant Protection Equipments	PF	2	ON	3	26	29	0	6	6
	Contigent plan of kharif crops	PF	1	ON	20	11	31	9	5	14
	Cultivation of late sowing paddy	PF	1	OFF	21	13	34	9	0	9
	Cultivation of rabi vegetable crops	PF	1	ON	40	12	52	11	0	11
	Nursery and Water management in Vegetable crop of Rabi season	PF	1	OFF	24	32	56	15	6	21
	Vegetable production Technique	PF	1	OFF	18	24	42	0	0	0
	cultivation of vegetable pea and beans training programme	PF	1	OFF	40	12	52	5	0	5
	Field preparation technique and different sowing method for Rabi vegetable	PF	1	OFF	22	16	38	4	0	4
	Nursery Management of fruit plant	PF	1	ON	10	30	40	3	8	11
	Scientific Culivation of Dragon fruits	PF	1	ON	29	11	40	3	8	11
	Scientific Cultivation of Vegetable	PF	3	OFF	0	25	25	0	7	7
	cultivation of tomato, Brinjal crops	PF	1	OFF	22	9	31	4	0	4
	Fruit plant suitable for	PF	2	ON	29	11	40	11	0	11

	protected farming and suitable irrigation practices in protected farming									
	Seed production technique of Rabi season crop	EF	5	ON	21	1	22	2	0	2
	Scientific cultivation of Rabi pulse crop	RY	3	ON	18	14	32	9	0	9
	Value addition	PF	1	OFF	11	36	48	4	30	34
	Agri smart village training	PF	3	OFF	40	22	62	18	0	18
	IFS	PF	2	OFF	26	23	49	10	2	12
	Cropping system	PF	1	OFF	19	27	46	11	0	11
	Drip irrigation	PF	1	OFF	34	38	72	20	6	26
	Vegetable cultivation	PF	3	OFF	23	47	70	23	11	34
	Cultivation of rabi season crops	PF	2	OFF	37	49	86	30	7	37
	Water management	PF	2	OFF	21	27	48	11	0	11
	Vermicompost production	PF	1	ON	18	14	32	9	0	9
	Different technique of vegetable production in Rabi Season	Skill Development	5	ON	12	28	40	4	5	9
	Protected cultivation of Vegetable crops	Skill Development	5	ON	28	12	40	11	0	11
	Safe and judicious use of Glyphosate by PCOs	RY	3	ON	32	18	50	12	0	12

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self-employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Mushroom	Mushroom Cultivation	Mushroom cultivation techniques	5	47	17	64	Production unit	11	22	12
Bee Keeping	Bee Keeping	Bee Keeping	3	27	12	39	-	-	-	-
Goat rearing	Goat Farming	Goat Farming	5	90	2	92	-	-	-	-

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

I) Sponsored Training Programmes

Sl. No.	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants									Sponsoring Agency
					PF/RY/EF		Male			Female			Total			
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	

1	Soil and water conservation & enhanced crop productivity in watershed area	Soil and water conservation	March	3	PF	3	52	7	12	40	0	9	92	7	21	120	PETCI, Dhanbad (NGO)
2	Soil and water conservation & enhanced crop productivity in watershed area	Soil and water conservation	April	3	PF	2	6	0	7	30	0	37	36	0	44	80	PETCI, Dhanbad (NGO)
3	Soil and water conservation & enhanced crop productivity in watershed area	Soil and water conservation	May	3	PF	10	153	11	43	116	4	73	269	15	116	400	PETCI, Dhanbad (NGO)
4	Soil and water conservation & enhanced crop productivity in watershed area	Soil and water conservation	July	3	PF	8	50	4	43	161	6	56	211	10	99	320	PETCI, Dhanbad (NGO)
5	Soil and water conservation & enhanced crop productivity in watershed area	Soil and water conservation	August	3	PF	4	2	2	19	114	0	23	116	2	42	160	PETCI, Dhanbad (NGO)
6	Soil and water conservation & enhanced crop productivity in watershed area	Soil and water conservation	October	3	PF	2	7	4	1	51	7	10	58	11	11	80	PETCI, Dhanbad (NGO)
7	Advance farming of Fruits	Cultivation of Fruit	October	5	RY	1	11	0	0	28	1	0	39	1	40	40	DHO, Dhanbad
8	Soil and water conservation & enhanced crop productivity in watershed area	Soil and water conservation	November	3	PF	2	18	3	0	40	10	9	58	13	9	80	PETCI, Dhanbad (NGO)
9	Advance farming of vegetable crops	Cultivation of vegetable	November	5	RY	2	15	3	3	47	0	12	62	3	15	80	DHO, Dhanbad
10	Integrated Nutrient Management	INM	November	15	EF	1	34	2	2	0	0	0	34	2	2	38	DCO, Dhanbad

J. Information on ASCI Skill Development Training Programme funded by ICAR undertaken during 2023

Total no of training organised	Name of QP/Job role	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	

K. Information on Skill Development Training Programme (other agency if any) if undertaken

Total no of training organised	Name of QP/Job role	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	

3.5. 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	159	64	223	18	12	6	18	171	70	241
KisanMela	1	221	138	359	23	7	5	12	228	143	371
KisanGhosthi	9	329	156	485	16	16	5	21	345	161	506
Exhibition	2	147	71	218	9	2	3	5	149	74	223
Film Show	12	552	126	678	19	-	-	-	552	126	678
Method Demonstrations	13	241	82	323	12	-	-	-	241	82	323
Group meetings	11	403	161	564	9	8	-	8	411	161	572
Lectures delivered as resource persons	68	426	145	571	11	8	3	11	434	148	582
Advisory Services	326	988	338	1228	19	-	-	-	988	338	1326
Scientific visit to farmers field	105	651	376	1027	14	18	2	20	669	378	1047
Farmers visit to KVK	545	1569	276	1845	11	-	-	-	1569	276	1845
Diagnostic visits	990	2790	852	3642	11	18	10	20	3808	854	3762
Field Day	5	159	64	223	18	12	6	18	171	70	241
Others											

Celebration of important days in KVKs

Celebration of Important Days	No. of activities	Farmers				Extension Officials			Total		
		M	F	Total	SC/ ST (% of total)	M	F	Total	M	F	Total
Republic day (26th Jan.)	1	12	8	20	15	8	3	11	20	11	31
International Women's Day (8th Mar.)	4	13	46	59	12	3	1	4	16	50	66
Ambedkar Jayanti (14th Apr.)											
International Yoga Day (21st Jun.)	1	14	8	22	13	09	3	12	23	11	34
Independence Day (15th Aug.)	1	32	16	48	12	10	3	13	42	19	61
Parthenium Awareness Week (16th to 22nd Aug.)	8	156	41	197	11	14	6	20	170	47	217
Hindi Diwas (14th Sep.)	2	15	7	22	3	7	1	8	22	8	30
Gandhi Jayanti (2nd Oct.)	1	18	11	29	14	7	3	10	25	21	46
Mahila Kisan Diwas (15th Oct.)	1	2	35	37	5	1	2	3	3	37	40
World Food Day (16th Oct.)	1	25	19	44	6	6	2	8	31	21	52
Vigilance Awareness Week (27th Oct. to 2nd Nov.)	7	178	56	234	16	8	2	8	186	58	244
National Unity Day (31st Oct.)	1	15	1	16	0	9	1	10	24	2	26
World Science Day (10th Nov.)											
National Education Day (11th Nov.)	4	8	17	25	2	6	2	8	14	19	33
National Constitution Day (26th Nov.)	2	25	8	33	3	6	3	9	31	11	42
World Soil Day (5th Dec.)	1	38	0	38	5	6	2	8	43	8	51
Kisan Diwas (23rd Dec.)	1	44	1	45	6	8	6	14	52	7	59
Total	36	595	274	869		108	40	146	702	330	1032

SPEED PRODUCTION BY KVK DURING KHARIF 2023-24				
SI.No.	Crop	Variety	Area(ha)	Production(2) (Expected)
1.	Paddy	CR Dhan 320	1.0	20.0
2.	Paddy	Swarna shakti	1.5	45.0
3.	Arup	Birsa Marup-3	0.5	0.85
4.	Arhar	Birsa Arhar-2	1.0	flowering stage
5.	Jowar	CSV-20	0.1	Harvesting stage

STATUS OF SEED PROUDUCTION PROGRAM UNDER RABI CROP 2023-24			
SI.No.	Crop	Variety	Area(ha)
1.	Mustard	BBM-1	0.5
2.	Wheat	HD-2967	0.6
3.	Lentil	IPL-220	0.2
4.	Linseed	Sabour Tisi-1	0.1

PRODUCTION OF SEEDS (RABI 2022-23,SUMMER 2023, KHARIF 2022-23)			
Crop	Variety	Quantity of Seed (2)	Value (Rs)
Paddy	IR-64(DRT-1)	14.40	63360
Paddy	Rajendra Mansuri	24.00	105600
Maura	A-404	0.24	960
Arhar	IPA 203	1.0	12800
Sesame	GT-4	0.42	5124
Mustard	BBM-1	0.48	4896
Wheat	K-1006	0.90	4140
		41.44	196880

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
Cauliflower	Madhuri	3000	6000				
Cabbage	Green Soccer	2000	5000				
Tomato	Laxmi F1	2000	5000				
Brinjal	No 801 F1	2000	5000				
Fruits							
Mango	Dushahri, Langra, Ambrapali, Malika	1000	70000				
Guava	Allahabadi safeda, Lalit, L-49	2000	120000				
Lime							
Total		12000	211000				

3.6. A. ACHEVEMENTS OF EXTENSION/OUTREACH ACTIVITIES

(Including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers					Extension Officials					Total				
		M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)
Kisan Mela organized	1	189	267	456	88	68	13	6	19	3	4	202	273	475	91	72
Kisan Mela participated	4	403	546	949	231	334	47	35	82	54	43	450	581	1031	285	377
Field Day	10	213	167	380	69	47	8	4	12	3	0	221	171	392	72	47
Kisan Ghosthi	12	137	244	381	44	39	5	4	9	3	2	142	248	390	47	41
Exhibition organized																
Participation in exhibition	4	307	348	655	232	126	24	18	42	4	1	331	366	697	236	127
Film Show	12	143	286	429	76	59	4	3	7	5	2	147	289	436	81	61
Method Demonstrations	10	208	115	323	124	86	13	15	28	25	17	221	130	351	149	103
Farmers Seminar	2	94	136	230	69	45	18	12	30	9	5	112	148	260	78	50
Workshop	4	145	187	332	56	49	4	7	12	3	2	149	191	330	59	51
Group discussion	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lectures delivered as resource persons	60	94	142	236	57	42	12	9	21	6	3	106	151	257	63	45
Advisory Services	1224	687	598	1285	61	25	32	6	38	4	2	719	604	1323	65	27
Scientific visit to farmers field	47	128	74	202	46	34	5	3	8	2	0	131	82	213	48	34
Farmers visit to KVK	12	236	178	414	154	75	25	13	38	13	54	261	191	452	192	88
Diagnostic visits	14	238	188	426	154	75	25	13	38	13	54	261	191	452	192	88
Exposure visits	8	137	244	381	44	39	5	4	9	3	2	142	248	390	47	41
Ex-trainees Sammelan																
Soil health Camp	30	94	142	236	57	42	12	9	21	6	3	106	151	257	63	45
Animal Health Camp																
Agri mobile clinic																
Soil test campaigns	12	236	178	414	154	75	25	13	38	13	54	261	191	452	192	88
Farm Science Club Conveners meet	8	137	244	381	44	39	5	4	9	3	2	142	248	390	47	41
Self Help Group Conveners meetings	12	236	178	414	154	75	25	13	38	13	54	261	191	452	192	88
Mahila Mandals Conveners meetings	10	0	342	345	121	78	11	16	27	4	6	153	361	514	125	84
Special day celebration	5	404	545	949	231	332	47	35	82	54	43	451	580	1031	285	375
Sankalp Se Siddhi	4	403	546	949	231	334	47	35	82	54	43	450	581	1031	285	377
Swatchta Hi Sewa	4	403	546	949	231	334	47	35	82	54	43	450	581	1031	285	377
Celebration of important date	5	403	546	949	231	284	47	35	82	54	43	450	581	1031	285	327

Others																

B. Other Extension/content mobilization activities

Nature of Extension Activity	No. of activities
Newspaper coverage	26
Radio talks	0
TV talks	6
Popular articles published	15
Extension Literature	12
Electronic media	4
Any other	3

C. Technology week celebration

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

D. Celebration of important days in KVKs

Celebration of Important Days	No. of activities	Farmers			Extension Officials			Total		
		M	F	Total	M	F	Total	M	F	Total
Republic day (26th Jan.)										
International Women's Day (8th Mar.)	2	45	246	291	12	19	31	57	265	322
Ambedkar Jayanti (14th Apr.)										
World's Veterinary Day (Last week of April)										
World 'Milk Day	1	23	17	40	0	0	0	23	17	40
International Yoga Day (21st Jun.)	2	24	17	41	5	6	11	29	23	52
Independence Day (15th Aug.)	2	26	19	45	11	4	15	37	23	60
Parthenium Awareness Week										
Hindi Diwas (14th Sep.)										
Gandhi Jayanti (2nd Oct.)	2	23	17	40	0	0	0	23	17	40
Mahila Kisan Diwas (15th Oct.)	1	26	17	43	0	0	0	23	17	43
World Food Day (16th Oct.)	1	25	17	42	0	0	0	23	17	42
Vigilance Awareness Week	2	34	28	62	2	2	4	36	30	66
National Unity Day (31st Oct.)										
World Science Day (10th Nov.)	2	45	37	82	5	6	11	50	43	93
National Education Day (11th Nov.)										
Fisheries day (21 Nov)										
National Constitution Day (26th Nov.)	1	21	17	38	0	0	0	21	17	38
World Soil Day (5th Dec.)	1	40	48	88	6	4	10	46	52	98
Kisan Diwas (23rd Dec.)	2	23	17	40	0	0	0	23	17	40
Any other day										

E. Interaction/Live telecast programme of Hon'ble PM/Hon'ble or Argil Minister

Sl.	Date of event	Name of Event/Programme	Interaction of	Participants

			Hon'ble PM/AM	Farmers	Staffs	VIP/Others	Total
1	30.04.2023	Kisan Goshthi on the occasion of Hundredth episosode of Man Ki Baat Prog.		86	18		104
2	22.05.to5.06,2023	Awreness program LIfe Style For Environment saving			12		146
3	23.05.2023	Production Technology of Millet Farming			14		29
4	30.05.2023	Rainwater Harvesting Technique			8		30
5	05.06.2023	World Environment Day			17		97
6	16.07.2023 to 18.07.2023	95th ICAR foundation Day, Ag Exhibition & Farmers Field Visit			18		183
7	17.07.2023	Kharif Mote Anaj ki Unnat Kheti			15		40
8	18.07.2023	Kisan Gosthi, Mote Anaj Ka Bhandaran & Processing			14		63
9	27.7.2023	PM Kisan Samman Nidhi ka Live Telecast 14th kist	Sri Raj Sinha, MLA, Dhanbad & PRIs		18		104
10	15.11.2023	PM Kisan Samman Nidhi ka Live Telecast 15th kist	MLA Representative & PRIs		12		117
11.	05.12.2023	World Soil Day	Mukhiya, PRIs		16		47
12.	08.01.2024	VBSY, Hon'ble PM Addresed Live Telecast	MLA Repreentative		16		78

3.5 a. Production and supply of Technological products

A. Seed production at seed village

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

B. Seed production at KVK farm

Type of seed produced	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Cereals							
Oil seed							
Pulses							
Green Manure							
Commercial crop							
Vegetables							

Fodder							
Spices							
Fruits							
Forest crop							
Ornamental/flower							
Medicinal							
Grand Total							

C. Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower							
Cabbage							
Tomato							
Brinjal							
Chilli							
Onion							
Others							
Commercialseedlings							
Mulberry							
Sugarcane,							
Sweet Potato							
Turmeric							
Zinger							
Others							
Fruitsseedlings							
Mango							
Guava							
Lime							
Papaya							
Banana							
Ornamental plants							
Marigold							
Annual chrysanthemum							
Tuberose							
Others							
Medicinal and Aromatic							
Plantation							
Tuber Elephant yams							
Spices							

Grand Total							

D. Forest species

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total

E. Fodder crops saplings

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total

F. Production of Bio-Products

Name of product	Quantity (Kg)	Value (Rs.)	No. of Farmers benefitted			
			SC	ST	Other	Total
io-fertilizers						
io-food(Spirulina etc)						
io-pesticide						
io-agents (Trichocardetc)						
/orms (earthworm, silk worms etc)						
io-fungicide						
thers, please specify (Mushroom spawn, Culture lineral Mixture, Coir pith compost, Cow dung, ow urine						
otal						

G. Production of livestock & fisheries materials

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

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

H. SOIL & WATER TESTING

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

Sl. No	Name of the Equipment	Qty.

b. Details of samples analyzed so far

Total number of soil samples analyzed till now		
Through mini soil testing kit/labs	Through soil testing laboratory	Total

c. Detail of Soil, Water and Plant analysis at KVK (2023)

Sl.	Analysis	No. of Samples	No. of Villages	No. of Farmers	Amount realized

		analyzed	covered	benefitted	(Rs.)
1.	Soil				
2.	Water				
3.	Plant				
4.	Fertilizers				
5.	Manures				
6.	Food				
7.	Others (if any)				

d. Details of World Soil Day Celebration

Sl. No.	No. of Activity conducted	Soil Health Cards distributed	No. of farmers benefitted	No. of VIPs Number of	Name (s) of VIP(s) involved if any	Total No. of Participants attended the program
1	2	25	35	3	Representative of MLA,Sindri Smt. Tara Devi	47

I. Activities under Rain Water Harvesting structure and micro irrigation system

S.No	No of training programme conducted	No. of demonstrations	No. of plant material produced	Visit by the farmers (No.)	Visit by the officials (No.)

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

1. Name of Seed Hub Centre:

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

2. Quality Seed Production of Pulses

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2023						
Rabi 2023						

Summer/Spring 2023						

3. Financial Progress

Fund received (2016-17, 2017-18, 2019, 2020 and 2021)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17				
2017-18				
2018-19				
2019				
2020				
2021				
2022				
2023				

4. Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	
Nursery	
Animal sector	
Mushroom / other enterprises	
Others	

6. PUBLICATIONS, HUMAN RESOUSES DEVELOPMENT & AWARDS &
7. RECOGNITION

A. Details of Research papers published by KVK (with full title, author & journal)

S.No	Item	Details of publication bibliographic form	NASS Rating
1	Research paper		

B. Details of Other Publications

Particulars	Details of publication bibliographic form	No of copies published (if any)	No of copies distributed (if any)
Seminar/conference/ symposia papers			
Books			
Book Chapter			
Popular articles			
success story			
Bulletins			
Agro-advisory bulletins			
Extension Folders			
Technical reports			
News letter			
Electronic Publication (CD/DVD etc)			
TOTAL			

C. Details of HRD programmes undergone by KVK personnel

Sl. No.	Name of KVK personnel and designation	Name of course/training program attended	Date and Duration	Organizer/Venue
1.	Sri Lalit Kumar Das	ISEE, Banglore	22-24 June, 2023	ISEE,IARI ICAR New Delhi
2.	Dr Seema Singh	ISEE, Banglore	22-24 June, 2023	ISEE,IARI ICAR New Delhi
3.				
4.				

D. Details of attachment training (RAWE/ FET for ARS/Others) through KVK

Type of attachment	No of student trained	No of days stayed

E. Awards/Recognition

Institutional Award received by KVK

Sl. No.	Name of the Award	Conferring Authority	Amount	Purpose
1.	Participation in Regional Agricultural Fair, 2024	ICAR, KVK ,KHUTi	Certificate	Exhibition

Award received by KVK Scientists

Sl.	Name of the Award	Name of the Scientist	Value in Amount/	Purpose	Conferring Authority

Award received by Farmers

Sl.			Name of the Award	Name of the Farmer	Address	Contact No.	Aadhar No.	Amount	Purpose	Conferring Authority
1			Progressive Farmer	Sri Naresh Kumar Mahto	Bheltarn Dhanbad	9835326940	697162581855	Certificate	Floriculture for self employment	BAU, Kanke Ranchi, Agrotech Kisan Mela
2.			Progressive Farmer	Sri Basudev Mahto	Palani Dhanbad	9955897479		Certificate	Vegetable Cultivation & Post Harvest Management	Hon'ble Governor, Jharkhand

7. TECHNOLOGY DEVLOPMENT

A.**Give details of Innovative Methodology/Process/Product or Innovative Technology developed by KVK**

Sl. No.	Name/ Title of the technology	Brief details of the Innovative Technology	Impact of the technology	Status of commercialization/Patent

B. Give details of Organic farming practiced/Indigenous Technology/ITK practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

Sl. No.	Enterprise	Brief details of the ITK Practiced	Purpose/Impact of ITK	Impact of the technology

Give details of by the farmer (if Any)

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

C. 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

4. IMPACT

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

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

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

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

Horizontal spread of technologies	
Technology	Horizontal spread

Give information in the same format as in case studies

4.3. 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 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	

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

Name of farmer	Sri Basudev Mahto
Address & Contact details (Phone, mobile, email Id)	Palani, Baliapur, Dhanbad
Assets (Landholding (in ha.)/Livestock)	
Name and description of the farm/ enterprise	Vegetable Cultivation and Post Harvest Management.
Achievement of the farmers	Awarded by Governor, Jharkhand for Unnat Krishi
KVK intervention (planning & Implementation)	Vegetable Cultivation and Post Harvest Management
Impact (Economic/ Social/Environmental)	Income raised by 20 to 45 % , Potato producer and Awarded in District Kisan Mela for his exihbits.
Outcome (Horizontal/ Vertical spread)	Other farmers motivated and followed.

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

S.No	Name of organization	Nature of linkage
1.	DAO, DHO, JSLPS, IIT, ISM Dhanbad,DSWO, DFO, NGO	Coordination & convergence

5.2. Details of Externally funded project & Programmes during 2023 (Eg. ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies) (information of previous years should not be provided)

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE INDICATORS

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

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.									
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	

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.					

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. Performance of Automatic Weather Station in KVK

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

6. Utilization of hostel facilities

Accommodation available (No. of beds)

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

(For whole of the year)

7. Utilization of staff quarters

- Whether staff quarters have been completed:
- No. of staff quarters:
- 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
KrishiVigyan Kendra , Dhanbad	SBI, Hirapur	Hirapur, Dhanbad	10900477204
KrishiVigyan Kendra Revolving , Dhanbad	SBI, Hirapur	Hirapur, Dhanbad	10900477191
CFLD on Pulses, Krishi Vigyan Kendra, Dhanbad	SBI, Baliapur	Raj Market, Baliapur	42368080486
CFLD on Oilseed, Krishi Vigyan Kendra, Dhanbad	SBI, Baliapur	Raj Market, Baliapur	42369146416
Natural Farming Krishi Vigyan Kendra, Dhanbad	SBI, Baliapur	Raj Market, Baliapur	42387949932
RPL/UP-Scaling Krishi Vigyan Kendra, Dhanbad	SBI, Baliapur	Raj Market, Baliapur	42381509872

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	

INPUT + P.O.L	NIL	NIL	3,82,000		

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2022
	Kharif	Rabi	Kharif	Rabi	
INPUT + P.O.L	NIL	NIL	7,81,000		

7.4. Utilization of KVK funds during the year 2023-24 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	1,13,33,300	89,90,700	8632584
2	Traveling allowances			90,000
3	Contingencies			
A	General			
B		11,05,959	11,05,959	9,30,009
C				
D				
E	SCSP General	3,50,000	3,31,300	2,52,343
F				
TOTAL (A)				
B. Non-Recurring Contingencies				
1	SCSP Capital	1,20,000	58,800	58,800
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2021	8,17,456	5,53,658	7,75,331	Kind + 5,95,783
2022	5,95,783	4,80,991	8,49,877	Kind + 2,26,897
2023	2,26,897	5,37,907	6,98,508	Kind + 66296

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

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activities	Season	With line department	With ATMA	With both
Kisan Mela	2	Rabi/Kharif			
Field Visit	12	Rabi/Kharif			
VBSY	50				

7.8 Revenue generation

Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
1.	Institutional + Lodging	6,40,000	PETCI, Dhanbad
2.	Institutional	6,000	TERI, New Delhi
3.	Institutional	60,000	DHO, Dhanbad
4.	Institutional	1,14,000	DCO, Dhanbad

7.9 Resource Generation

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

(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

8. MISCELLANEOUS 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)

8.3. Nehru Yuva Kendra (NYK) Training

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

8.4. PPV & FR Sensitization training Programme

Date of vaccination	Resource	No. of	Registration (crop wise)

programme	Person	participants	Name of crop	No. of registration

8.5. KVK Portal and Mobile App

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

8.6 Details of KVK Portal

No. of Events added by KVK	**No. of Facilities added by KVK**	**No. of filled Report on Package of Practices**				**No. of filled Profile Report**							
		Crop	Horticulture	Livestock	Fisheries	Employees	Posts	Finance	Soil Health Cards	Appliances	Crops	Resources	Fish

8.7 Kisan Mobile Advisory Services/KMAS (m-Kisan Portal/National Farmers Portal/ SMS Portal)

Sl. No.	Discipline	No. of Advisories	No. of Messages (text+ videos)	Total messages	No. of Farmers
1.	Crop				
2.	Livestock				
3.	Weather				
4.	Marketing				
5.	Awareness				
6.	Enterprises				
7.	Others				
8.	Total				

8.5 Kisan Sarathi

Name of KVK	No. of Farmers Registered on Portal

8.6. a. Observation of Swachhta hi Sewa (2nd-31st Oct 2023)

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
22 days	6	14	268	84	366

b. Observation of SwachtaPakhwada (15 Dec -31st Dec 2023)

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
14 days	Cleaning of administrative building, campus cleaning, demonstration unit, training	14	200	64	278

c. Details of quarterly budget expenditure on Swachh activities including SAP

S.No	Activities	No of village covered	xpenditure .akhs)
1.	Vermicomposting		**2000.00**
2.	Other than vermicomposting activities under Swachata		**1000.00**

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

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/ Rajya sabha) 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		
1.												

8.8 .Vikisit Viksit Bharat Sanklap Yatra (LLB and ULB)

Sl.	No of events attended	No. of Gram Panchayat covered	Total no of farmer participated	No of Lecture Delivered on Soil Health/ Natural Farming
1	60	256	17470	250

8.9. 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
Jharkhand	Dhanbad	IFS	2	200	

9. 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)
17.10.2022	Sri P. N. Singh	MP, Dhanbad	PM Live Telecast at KVK appriciated KVK Activities and farers reach.
27.07.2023	Sri Raj Sinha,	MLA, Dhanbad	Krishi Samridhi Kendra online live inauguration as Chief Guest. Appreciated Women Technological Empowerment .

10. List of other visitors (MP/MLA/DM/VC/Zila Parishad/Other Head of Organization/Foreigners)

Date	Name of the person	Purpose of visit
28.12.2023	Smt. Tara Devi, MLA Representative	VBSY
27.07.2023	MLA, Dhanbad	Krishi Samridhi Kendra online live inauguration as Chief Guest. Appreciated Women Technological Empowerment .

11. PROJECT-WISE REPORTING (Applicable for KVKs identified under the given project)

11.1. Details of Cereal Systems Initiative for South Asia (CSISA) NA

- Year:
- Introduction / General Information:

Trial Name	Area covered	Variety name	Duration	Method of planting	Sowing	Grain Yield	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	BCR
Kharif										
Rabi										

11.2 Details of Tribal Sub Plan (TSP) NA

a. Achievements of physical output under TSP

Sl.	Activities	Physical Achievement	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer		
b.	Women		
c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
5)	Other activities		
a.	Participants in extension activities (No.)		
b.	Production of seed (q)		
c.	Production of Planting material (No. in lakh)		
d.	Production of Livestock strains (No. in lakh)		
e.	Production of fingerlings (No. in lakh)		
f.	Testing of Soil, water, plant, manures samples (Nos.)		
g.	Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)		
h.	No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)		

b.Fund received under TSP in 2023-24 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 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	

Location and Beneficiary Details during 2023

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

11.3. Details of Scheduled Caste Sub Plan (SCSP)

Sl.	Activities	Physical Achievement

1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	8	240
b.	Women	4	120
c.	Rural Youths	5	150
d.	Extension Personnel	0	0
2)	OFT	No. of OFTs	No. of beneficiaries
		2	20
3)	FLD	No. of FLDs	No. of beneficiaries
		4	100
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		10	300
5)	Other activities		
a.	Participants in extension activities (No.)	4	
b.	Production of seed (q)	0	
c.	Production of Planting material (No. in lakh)	0	
d.	Production of Livestock strains (No. in lakh)	0	
e.	Production of fingerlings (No. in lakh)	0	
f.	Testing of Soil, water, plant, manures samples (Nos.)	10	

11.4. NICRA (Technology Demonstration component) NA

a. 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	

b. Crop Management / Production

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	

d. 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	

e. Capacity building

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

f. Extension activities

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

11.5. Formation and Promotion of FPOs as Cluster Based Business Organization (CBBOs)

S.No		No. of blocks allocated	Name of blocks	No. of FPOs registered	Average no of members per FPO	No. of FPO received Management cost	No. of FPO received Equity Grant	No. of FPOs doing business
1		4	Nirsa, Govindpur Baliapur Dhanbad	U01100JH2021PTC016744	750	2	2	1

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

S.No	Name of the FPO	Registration No and Date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator

11.6. Nutri-Sensitive Agricultural Resources and Innovation (NARI)

a. Overall achievement

No. of Nutri smart village developed	Total Area covered	Total No of OFT organized	Total No. of FLD organized	No. of training/capacity development programme	Total No. of farmers/ beneficiaries	No of Extension programmes	Total No. of farmers/ beneficiaries
01	5	01	10	4	84	2	62

b. Details of OFT/FLD

OFT		
Nutritional Garden	**0**	
Bio-fortified Crops	**0**	
Value addition (in no. of Unit or no. of Enterprise)	**01**	**30**

Other Enterprises (in no. of Unit or no. of Enterprise)	**0**	**0**
	Area (ha/ no. of Unit/Enterprise)	**No. of farmers/ beneficiaries**
FLD		
Nutritional Garden	**5**	**10**
Bio-fortified Crops	**0**	**0**
Value addition (in no. of Unit or no. of Enterprise)	**0**	**0**
Other Enterprises (in no. of Unit or no. of Enterprise)	1	10

c. Details of established Nutrition Garden in Nutri-Smart village

Sl.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.	Baradaha	Backyard/Kitchen Garden	10	50000	10
2.		Community level			
3.		Terrace Garden			
4.		Vertical Garden			
TOTAL					

d. Details of Bio-fortified crops used in Nutri-Smart village NA

Name of Nutri-Smart Village	Season	Activity (OFT/FLD)	Category of crop (cereal/ pulses/oilseed/ fruits & veg./ others	Name of Crop	Variety	Area (ha)	No. of beneficiaries

e. Details of Value addition in Nutri-Smart village

Name of Nutri Smart Village	Name of Crop/ veg./ fruits/ other	Name of Value-added product	Activity (OFT/FLD)	No. of farmers/ beneficiaries
Baradaha	**Potato, Tomato, Jackfruit, Mushroom Mango**	**Chips, Sauce Papad, Pickles, Squash**	**OFT FLD OFT TRG TRG**	**30 10 10 30 30**

f. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries
Baradaha	**Tomato Mushroom Mango**	**Sauce Pickles, Papad, Squash**	**30 30 30 30**

g. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries

Baliapur, Sindurpur	Poshan Mah celebration	Poshan Quiz, lecture, Nukkad Natak	60

h. Details of recipe contest (if applicable) NA

No of events organised	Name of location/village	No. of participants
1		
2		
3		

7. Attracting and Retaining Youth in Agriculture (ARYA) NA

Name of enterprises	No. of entrepreneurial units established	No. of Training programs organized	No. of rural youth trained		No. of youth established units		Total entrepreneurial units formed	Total entrepreneurial units Functional
			Male	Female	Male	Female		

Out-scaling ofNatural Farming

S.No	Name of Activity	No. of activities	No. of beneficiaries
1.	Awareness programme	60	1800
2.	Training programme	5	150
3.	Demonstrations	5	150

a. Overall achievements

b. Details of Training programmes

S.No	Name of training programme	Date	Location/Venue	No. of beneficiaries

c. Details of Awareness programmes

S.No	Name of Activity	Date	Location/Venue	No. of beneficiaries

e. Details of Demonstrations

S.No	Name of Crop	Location of Demo.	Area of Demo.

9. District Agro Meteorological Unit (DAMU) NA

S. No	No. of Block agromet advisories send	No. of advisory bulletin published	No. of Farmers Awareness programmes organized	No. of farmers feedback received	No. of farmers received agromet advisory bulletin	No. of publication

10. KSHAMTA NA

Number of Adopted Villages	No. of Activities		No. of farmers benefited	
	Demo	Training	Demo	Training

11.11 Agri-Drone NA

S.No	Name on the project implementation center (PIC)	No. of kisan drones sanctioned	No. of kisan drones purchased by the PIC	Procurement of no of drones in process	Area covered under the kisan drone demonstration (ha)	No. of demonstration conducted	No. of Pilot training proposed	No. of Pilot training conducted

12. Integrated Farming System (IFS)

a. 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

b. Activities under IFS

Sl.	Component	No. of KVKs under	No. of Components	Area	No. of Activities	No. of farmers

No.	Name	the Component	established	(ha)			benefited	
					Demo	Training	Demo	Training
1.								
2.								
3.								

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

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I					
II					
Total					

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

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

12. Good quality action photographs with caption in JPEG FORMAT SEPARATELY of overall achievements of KVK during the year (best 10)


कृषि विज्ञान केन्द्र, धनबाद
जैविक कीट नाशकों से लाभ


कृषि विज्ञान केन्द्र, धनबाद
(बिरसा कृषि विश्वविद्यालय, रांची)
आज़ादी का अमृत महोत्सव
कृषि एवं पर्यावरण : जागरिक चेतना
दिनांक : 26 नवम्बर, 2021


कृषि विज्ञान केन्द्र, धनबाद


बिरसा कृषि विश्वविद्यालय, राँची
प्रशासनिक भवन
कृषि विज्ञान केन्द्र
बलियापुर, धनबाद (झारखंड)
कृषि विज्ञान केन्द्र, बलियापुर, धनबाद
Livelihood Training
of
Self Help Groups (SHGs)
Exposure Visit


95वाँ स्थापना दिवस
एवं तकनीकी दिवस
दिनांक : 16-18 जूलाई 2023
Time: 16-07-2023 13:45
Powered by NoteCam


कृषि विज्ञान केन्द्र, धनबाद


कृषि विज्ञान केन्द्र, धनबाद
तीन दिवसीय किसान प्रशिक्षण


2024

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