ANNUAL PROGRESS REPORT

January 2023 to December 2023

ANNUAL Progress Report 2023

KVK SHAHDOL

Year of sanction:- 1994-95

1.1 Name of the Programme Coordinator with phone & mobile No

Name	Telephone / Contact		
	Office	**Mobile**	**Email**
Dr. Mrigendra Singh	07652-241790	9425183232	kvkshahdol@rediffmail.com, mrigendra1968@gmail.com

1.2 Staff Position on (31th Dec.2023)

S. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic (Rs.)	Date of Joining	Date of joining this KVK (Year)	Contact No.	Email ID	Photo
1	Programme Coordinator	Dr. Mrigendra Singh	Senior Scientist & Head	Multidisciplinary	37400-69000 Level 14 (182700)	01-02-2007	01-02-2007	9425183232	mrigendra1968@gmail.com	
2	Subject Matter Specialist	Dr. Alpana Sharma	Scientist	Home Science	15600-39100 Level12 (110400)	13-07-2007	19-07-2010	9301111646	alpanasanu@rediffmail.com	
3	Subject Matter Specialist	Dr. Braj kishor Prajapati	Scientist	Agronomy	15600-39100 Level10 (75200)	12-09-2017	20-09-2021	9012012068	Brajkishorprajapati1@gmail.com	
4	Subject Matter Specialist	Sh. Deepak Chouhan	Scientist	Agricultural Engineering	15600-39100 Level10 (68800)	10-10-2017	10-10-2017	9424023760	deepakchouhan22@gmail.com	
5	Subject Matter Specialist	Vacant								
6	Subject Matter Specialist	Vacant								
7	Subject Matter Specialist	Vacant								
8	Programme	Shri	P A	Agro forestry	9300-	28-01-	28-01-	7697024787	29bhagwatpandre@gmail.com	

	Assistant	Bhagwat Prasad Pandre	Agroforestry		34800 Level 10 (48100)	2019	2019			
9	Computer Programmer/ Programme Assistant	Shri Rishiraj Negi	Tech Officer Computer	Computer	9300-34800 Level 10 (70000)	04-04-2008	04-04-2008	9424335040	rishirajnegi@gmail.com	
10	Farm Manager	Vacant								
11	Assistant	Smt. Asha Shrivatava	Asstt. Grade II	Asstt. Grade II	9300-34800 Level 8 (54100)	12-08-1996	12-08-1996	9977170453	kvkshahdol@rediffmail.com	
12	Jr. Stenographer / Comp. Operator	Smt. Abha Shyam	Lab Technician	Lab Technician	9300-34800 Level 8 (35100)	31-07-2003	26-08-2021	9981694669	kvkshahdol@rediffmail.com	
13	Driver	Shri Badri Prasad Yadav	Driver cum Mechanic	Driver	5200-20200 Level 6 (32100)	02-02-1999	07-07-2008	9424931288	kvkshahdol@rediffmail.com	
14	Driver	Shri Biran Prasad Pradhan	Driver cum Mechanic	Driver	5200-20200 Level 4 (22600)	12-07-2018	12-07-2018	9981070716	kvkshahdol@rediffmail.com	
15	Supporting staff	Shri Kamlesh Kol	Peon	Peon	4440-7440 Level 1 (22100)	26-11-2012	06-11-2019	6266836323	kvkshahdol@rediffmail.com	
16	Supporting staff	Vacant								

1.3 Total land with KVK (in ha): 15.075

S. No.	Item	Area (ha)
1	Under KVK Buildings and Demonstration Units	1.214
2	Farm	13.683
3	Residential building	0.178
Total		**15.075**

1.4 Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1	Administrative Building	ICAR	2008	497.17		2006	497.17	Complete & Working but require maintenance
2	Farmers Hostel	ICAR	Not Handed over	305		2006	305	Not handed over
3	Staff Quarters (6)	ICAR	2013 Completed but boundary wall and filling requirement	400		2007	400	Complete & Working but require maintenance and filling and fencing
4	Demonstration Units (2)							
5	Fencing							
6	Rain Water harvesting system	ICAR	Dec-07	0.3		June 2007	0.3	Severely damaged and require maintenance
7	Threshing floor							
8	Farm godown							
9	Poly House	RKVY	2018	300	594720			
10	Net House	RKVY	2018	300	364500			
11	Mist Chamber	RKVY	2018	100	339000			

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor	2004	450000	-	This is not working as per govt. motor vehicle act. 15 year old vehicle not use. (Condemnation process completed)
Motor Cycle 2	2005	50000	88192	This is not working as per govt. motor vehicle act. 15 year old vehicle not use.
Bolero(Jeep)	2012	501521	276016	(Condemnation process completed)
Other (Pl. specify)				

C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Projector	2007	58488	Working but require replacement
Xerox Machine	2016	177450	Working
Generator	2011	48473	Working
Video Camera	2012	20000	Working

Computer, Laser Printer	2007, 2013	40500, 28499	Working but require frequent repair
UPS 600 VA	2006	6300	Not working
Stabilizer 2 KVA	2016	8175	Working
Stabilizer	2017	3650	Working
Inverter 600 VA (2)	2006	23100	Working
Inverter Battery (2)	2020	28780	Working

1.5.(A). Details of SAC meeting to be conducted in the year

KVK Name	Date of SAC meeting 2023	No. of SAC members (only) attended	Major action points*
Shahdol	17 Feb 2023	28	• KVK to work on Natural farming & Organic Farming • KVK to promote millets • KVK to promote water saving techniques and optimum use of water resources. • KVK to work on Nutritional security
	15 Sep 2023	30	• KVK to work on Natural farming & Organic Farming • KVK to promote millets • KVK to promote water saving techniques and optimum use of water resources. • KVK to work on Nutritional security

2. DETAILS OF DISTRICT

Major farming systems / enterprises (based on the Agro-ecological situation analysis made by the KVK) Add AES if needed

S. No.	Farming system/enterprise	Description
1	AES – 1 Agriculture	Paddy-wheat in cereal, Pigeonpea and Chickpea in pulses and sesame – mustard in oilseed are major crops of Kharif & Rabi
2	AES – 2 Ag. +Dairy	Indigenous breeds of dairy animals are rearing with agriculture
3	AES – 3 NTFS (Collection of forest produce)	Mahua, jamun and Aonla are the major NTFS collected.
4	AES – 4 Vegetable	Growing vegetables mostly in backyard
5	AES – 5 Backyard Poultry	Indigenous breeds
6	AES – 6 Livestock	Indigenous breeds

Description of Agro-climatic Zone & major agro-ecological situations (based on soil and topography)

S. No.	Agro-climatic Zone	Characteristics
1	AES – 1 Zone – XI (Northern hilly zones of Chhattisgarh Region)	District is characterized by red and yellow, medium, black and skeletal soil and undulating topography. It is a rainfed area, the average precipitation vary from 1000 to 1200 mm.

SWOT Analysis of each Agro-Ecological Situations of district

AES-1 (Agriculture)

Strength	Weakness	Opportunities	Threats
• Use of natural / organic inputs with low inorganic inputs • Ample amount of forest and NTFS • Bio diversity present in the district • Most of the crops are organically produced	• Low organic content in soil resulting in poor soil fertility • Low irrigation facility • Poor water holding capacity of soil with severe to moderate soil erosio • Most of the cattle breed is indigenous	• Suitable for natural farming/ organic farming • Suitable for forest products • Suitable for medicinal and aromatic crops • Production of diversified crops may be taken including tuber crops	• Open grazing • Severe problem of wild animals

Land Use Pattern

Particulars	Area "000 ha"
Total Geographical area	561.006
Forest	227.698
Waste Land	60.358
Other than cultivated area	
Cultivable waste and alkaline land	25.863
Pastures	
Bushes	
Current Fallow	25.863
Other Fallow	
Agricultural Land	
Area Sown	211.419
Kharif	205.157
Rabi	94.090

Zaid	
Cropping Intensity	141 %

Irrigated Area with Different Sources:

S. No.	Description	Area (ha)
1	Canal	10195
2	Well	4545
3	Tube well	6030
4	Ponds	14273
5	Others	2712

Soil types

S. No.	Soil type	Characteristics	Area "000 ha"
1	Light Soils	✓ Soils are sandy loam to silty clay loam in texture. ✓ Soils are poor in AWC which does not permit post rainy season cropping under rainy season ✓ PH ranges 6-7.4, ✓ CEC – low ✓ Soils are low to medium in Nitrogen and Phosphorus and medium to high in Potassium	125.960 (75%)
2	Medium Soils/Heavy Soils	✓ Soils are sandy loam to silty clay loam in texture. ✓ Soils are poor in AWC which does not permit post rainy season cropping under rainy season ✓ PH ranges 6-7.4, ✓ CEC – low ✓ Soils are low to medium in Nitrogen and Phosphorus and medium to high in Potassium	41.98675 (25%)

Note: Figure. In parenthesis denotes the percentage of total area.

Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (Qt.)	Productivity (Q /ha)
1	Paddy	149900	6325.8	42.2
2	Kodo- Kutki	7900	67.2	8.5
3	Pigeonpea	10800	139.3	12.90
4	Wheat	68000	2468.4	36.3
5	Gram	9000	126.9	14.1
6	Fruits	4410	797	191.19
7	Vegetables	10820	2293.1	220.1
8	Spices	2481	198.71	81.21

Weather data (Jan, 2023- Dec., 2023)

Month /Year	Rainfall (m.m.)	Temperature (^{0} C)	
		Maximum	Minimum
Jan, 23	0	28.8	8.1
Feb, 23	0	31.9	9.6
Mar, 23	3.9	34.7	14
Apr, 23	24.2	38.4	18.4
May, 23	5.8	42.2	26.1
Jun, 23	112.8	38.9	20.1
July, 23	117.6	32.4	24.9
Aug., 23	112.9	30.5	24.1
Sept., 23	116.5	33.1	23.6
Oct. 23	13.3	35.2	19.8
Nov. 23	2.5	27.8	13.1
Dec. 23	19.4	24.0	17.2

Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
Crossbred/ Indigenous	334618	122.49. MT.	0.987 kg
Buffalo	82654		Kg
Sheep			
Crossbred/ Indigenous		MT wool	Kg
Goats	991618	0.71 MT	Kg
Pigs *Crossbred/ Indigenous*	3948		
Rabbits	-		
Poultry			
Hens	48679	49.50 Lakh eggs	35eggs/ bird/yr
Turkey and others	-	-	-
Category	**Area**	**Production**	**Productivity**
Fish		Q/ year	Q/ year
		Q/ year	Q/ year

Details of Operational area / Villages (2023)

Sl. No.	Tehsil	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Sohagpur	Sohagpur	Sinduri, Bharri, Pathra, Sigudi, Amraha, Dadratola, Nipaniya, Bageha, Kuvarseja	Paddy, Kodo-kutki, Pigeon pea, Wheat, Chick pea, Livestock Poultry, Goatry, Vegetables	Low yield due to old variety seed, improper pest and disease management, Inadequate use of fertilizers, high seed rate, untimely use of weed control measures etc. Low milk yield due to Rearing of indigenous cattle breed	• Crop diversification, • Varietal Diversification- • Integrated farming system • INM • IPM • Promotion of Natural farming • Strengthen of linkage between farmer's and extension system • Farm mechanization and drudgery reduction • Integrated livestock management, • Promotion of agriculture based enterprises for farm Pathrawomen • Development of rural entrepreneurship for income and employment generation
2	Burhar	Burhar	Jalditola, Jarwahi			
3	Jaisinghnagar	Jaisinghnagar	Meethi, Jamuniya			
4	Gohparu	Gohparu	Khama, Bareli			

Priority / Thrust areas

S. No.	Particulars
1.	Crop improvement and diversification
2.	Seed replacement
3	Pest management through
4	Integrated plant nutrient management
5	Soil and Water conservation
6	Farm Mechanization and Small farm Implements
7	Promotion of rural entrepreneurship for additional income generation and employment generation
8	Livestock Production & Management
9	Annual house hold nutritional security
10	Agro forestry

TECHNICAL PROGRAMME

A. Details of targeted mandatory activities by KVK

OFT		FLD and CFLD	
1		2	
Number of OFTs	Number of Farmers	Number of FLDs	Number of Farmers
15	109	16	104

Training		Extension Activities	
3		4	
Number of Courses	Number of Participants	Number of activities	Number of participants
		500	7217

Seed Production (Qtl.)	Planting material (Nos.)
	Vegetable seedling – 2000

B. Abstract of interventions undertaken

S. No.	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT	Title of FLD	Title of Training	Title of training for extension personnel	Extension activities	Supply of seeds, planting materials etc.
1	Natural Farming	Chickpea	Low yield of chickpea due to high infestation of pests, increases cost of cultivation due to spray of chemical insecticides	Assessment of use of bio-pesticides and bio-formulation to control pests in chickpea					bio-pesticides at farmers field
2	Agro forestry	Mustard	No crop grown between spacing of Drumstick tree.	Evaluation of Mustard variety (PUSA Bold/Varuna) under Drumstick based Agri-horticulture system.					Seed
3	Agro forestry	Wheat	No crop grown between spacing of aonla/eucalyptus tree	Assessment of wheat variety JW 3382 under Aonla /Eucalyptus tree based Agri-Silviculture System.					Seed
4	Agronomy	Kutki	Low yield of Kutki due to less seed replacement and use of old variety like JK 36	Assessment of HYV of Kutki JK4 and CG-1 under Kutki-Mustard/ Chickpea cropping sequence					Seed
5	Agronomy	Paddy	Low yield of old Paddy varieties like kansari, barhai, surmatiya due to BLB infestation	Assessment of cow dung spray to control BLB in paddy crop					-
6	Agronomy	IFS	Low income of farm family due to less diversification of farm	Assessment on diversification of farm through poultry based integrated farming system for small and marginal farmers					Chicks and seed

7	Agronomy	IFS	Low income of farm family due to less diversification of farm	Assessment on diversification of farm through Duck-fish based integrated farming system for small and marginal farmers					Duck chicks and seed
8	Agronomy	Chickpea	Low yield due to broadcasting of JG 315 and no seed treatment		Demonstration of HYV of chickpea (JG 36) sowing with seed drill cum fertilizers under Rice-chickpea cropping				Seeds
9	Agronomy	Linseed	Low yield due to broadcasting seed and no seed treatment		Demonstration of line sowing of HYV of linseed (JLS 79) through fertilizer cum seed drill under rice-linseed cropping system				Seeds
10	Agronomy	Paddy	Low yield due to old variety MTU 1010		Demonstration of HYV variety (JR 206) under Rice-Chickpea cropping sequence				Seeds
11	Agronomy	Kodo	Low yield due to no seed replacement		Demonstration of HYV variety JK 137 of kodo under Kodo - mustard cropping sequence				Seeds
12	Agricultural Engineering	Paddy / Riding type paddy transplanter	Manually transplanting - zigzag transplanting, resulting in problems during intercultural operation ultimately leading to loss of time and energy.	Assessment of Riding type paddy transplanter					Seed and Hiring machinery

13	Agricultural Engineering	Soybean / Ridge & furrow sowing, Ridge bed sowing	Low yield of Soybean due to poor plant population, moisture stress and / or water stagnation due to heavy down pour.	Assessment of different sowing method for soybean sowing					Seed and Hiring machinery
14	Agricultural Engineering	Paddy/ Direct sowing of paddy by seed drill	Unavailability of field for timely wheat sowing and More time loss for field preparation, transplanting and water loss in puddling		Demonstration of direct sowing of paddy by seed drill for timely sowing in upland rice leading to subsequent timely sowing of wheat				Seed and Hiring machinery
15	Agricultural Engineering	Maize/ Broad bed planter	Low yield of Maize due to poor plant population, moisture stress and / or water stagnation during heavy down pour.		Demonstration of Maize sowing by Broad bed planter				Seed and Hiring machinery
16	Agricultural Engineering	Paddy/ Cono weeder	For weeding operation More time loss in conventional method and shortage of availability of labour and plant growth is less		Demonstration of cono weeder in SRI paddy crop				Seed and Provide Machine
17	Agro forestry	Paddy	Low yield due to old variety MTU 1010 under agro forestry system	Assessment of HYV of Paddy (JR 81) under *Acacia nilotica* traditional tree based Agri-silviculture system.					Seed
18	Agro forestry	Gram(JG-36)	Non availability of Suitable Agroforestry Modalbased on soil and climate.		Demonstration of Wheat /Gram based Agro Forestry System on soil & climate of Shahdol Distt. Of M.P.				Seed
19	Agro	Napier	Non Availability of		Demonstration of				Root Slip

	forestry	grass	green Fodder crop all round the year.		High Yielding Variety of Napier grass (IGFRI -3) Fodder Production under Silvi-pasture System.				
20	Agro forestry	Maize – African tall	Non availability of green fodder crop all round the year.		Demonstration of High Yielding Fodder Production (African tall) under Silvi-pasture System.				Seed
21	Agro forestry	Turmeric	Farmer doesnot growany crop under the shade of tree row at any stage of plant growth.		Demonstration of High Yielding Variety (Roma) Turmeric based Agri-Horticulture System by Growing Turmeric under the shade of Fruit tree.				Rhyzome of Turmeric
22	Agro forestry	Brinjal	No crop grown between spacing of mango tree	Assessment of Brinjal (Pusha Hybrid-5)//Tomato under 2 year old mango tree based Agri-Olericulture System.					Seed
23	Home Science	Oyster Mushroom Badi	Low income of FW	Assessment of income generation of farm family by value added oyster mushroom					Mushroom span, Formalin, Bavistin, Polythene, rubber
24	Home Science	Malted sattu	Prevalence of malnutrition in children of age -3-5 years	Assessment of malted sattu (Sprouted chick pea+ sprouted wheat) for Malnourished Children					Wheat, Chickpea
25	Home Science	Drumstick leaf powder	Malnutrition due to high anemia in rural	Assessment of drumstick (Moringa oleifera) dry leaf					Drumstick leaf

			adolescent girls	powder as daily dietary supplement for anemic adolescent girls					powder
26	Home Science	Paddy CR Dhan 310	High magnitude of malnutrition among farm families	Assessment of suitability of CR Dhan -310 to improve the nutrition status of the farm family					Paddy CR Dhan 310 seeds
27	Agronomy	Azolla	Less no. of eggs production due to open range		Demonstration of Azolla for poultry birds under backyard poultry system				Azolla Bed
28	Home Science	Oyster mushroom production			Demonstration on income enhancement through mushroom production				Mushroom span, Formalin, Bavistin, Polythene, rubber
29	Home Science	Poultry Birds			Demonstration on income enhancement of FW through Backyard Poultry Farming				Poultry Birds
30	Home Science	NKG			Demonstration on Nutritional Kitchen Garden				NKG seeds
31	Home Science	Paushtik Chappatti			Demonstration on Paushtik chappatti				Paushtik chappatti

Technologies assessed

A.1 **Abstract on the *number of* technologies assessed in respect of crops**

Thematic areas	**Cereals**	**Oilseeds**	**Pulses**	**Commercial Crops**	**Vegetables**	**Fruits**	**Millet**	**Plantation crops**	**Other**	**TOTAL**
Crop production							1			**1**
Farm mechanization	1	1								**2**
Resource conservation										
Agro forestry	2	1			1					**4**
Natural farming			1							**1**
Income generation				1						**1**
Nutritional security	1		1					1		**3**
ITK	1									**1**
IFS									2	**2**
TOTAL	5	2	2	1	1	0	1	1	2	**15**

Abstract on the number of technologies assessed in respect of livestock/enterprises

Thematic areas	**Cattle**	**Poultry**	**Sheep**	**Goat**	**Piggery**	**Rabbitary**	**Fisheries**	**TOTAL**
TOTAL								

Detailed Information about OFT:

OFT - 1

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Agronomy
Title of on-farm trial:	Assessment of use of bio-pesticides and bio-formulation to control pests in chickpea
Year/Season:	2022-23/ Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield of chickpea due to high infestation of pests, increases cost of cultivation due to spray of chemical insecticides
Thematic area:	Natural Farming
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Chemical application (Chlorpyriphos 20 %) + Indoxacarb 14.5 % SC (60 ml/ha)
T2 –Recommended Practice-	Bramhastra or Agnyestra 3 litre/100 litre water
T3- Recommended Practice-	
Date of sowing:	15/11/2022
Date of harvesting:	20/03/2023
Source of technology:	NCOF, Ghaziabad, 2014
Characteristics of technology:	No harmful residual effect on human, economically, eco friendly, higher monetary return
Name of Crop/Enterprises:	Chickpea
Recommendations for Farmers	Recommended
Recommendations for Deptt. Personnel	Recommended
Feedback	

Result : **(Economic Performance of OFT)** **(Please choose and give the parameters name and value according to suitable your OFT)**

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Plant height, Branches/plant , No of pods, Yield	cm, Numbers/plant, Numbers/plant, q/ha	51.2, 9.0, 22, 14.1	22740	75223	52483	3.30
T2(Recommended Practice)	Plant height, Branches/plant , No of pods, Yield	cm, Numbers/plant, Numbers/plant, q/ha	47.6, 7.0, 18, 12.42	18950	66260	47310	3.49
T3(Recommended Practice)							

OFT - 2

Detailed Information about OFT:

Name of Discipline	Agro forestry
Title of on-farm trial:	Evaluation of Mustard variety (PUSA Bold/Varuna) under Drumstick based Agri-horticulture system.
Year/Season:	2022-23/Rabi
Farming situation:	Irrigated
Problem diagnosis:	No crop grown between spacing of Drumstick tree.
Thematic area:	AGF
No of trials:	05
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No crop
T2 –Recommended Practice-	Munga+Mustard
T3- Recommended Practice-	-
Date of sowing:	30 Nov. 2022
Date of harvesting:	15 March 2023

Source of technology:	Annual report of CAFRI, Jhansi, 2019
Characteristics of technology:	Higher monetary return, Nutritional security
Name of Crop/Enterprises:	Mustard
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT) (Please choose and give the parameters name and value according to suitable your OFT)

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Plant height	cm	05 Qnt.	14200	26000	11800	1.83
T2(Recommended Practice)	Yield (Qnt)	Qnt.	08 Qnt.	13400	43600	31421	3.25
T3(Recommended Practice)	-	-	-	-	-	-	-

OFT - 3

Detailed Information about OFT:

Name of Discipline	Agro forestry
Title of on-farm trial:	Assessment of wheat variety JW 3382 under Aonla /Eucalyptus tree based Agri-Silviculture System.
Year/Season:	2022-23/Rabi
Farming situation:	Irrigated
Problem diagnosis:	No crop grown between spacing of aonla/eucalyptus tree
Thematic area:	AGF
No of trials:	05
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No crop
T2 –Recommended Practice-	Aonla/Eucalyptus+wheat
T3- Recommended Practice-	-
Date of sowing:	5 Dec. 2022
Date of harvesting:	20 March 2023

Source of technology:	Annual report of CAFRI, Jhansi, 2019
Characteristics of technology:	Higher monetary return, higher yield, tolerant to diseases
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT) (Please choose and give the parameters name and value according to suitable your OFT)

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1	Plant height	(Cm.)	18 Qnt	19600	38250	18650	1.95
T2(Recommended Practice)	Yield	(Qnt.)	21 Qnt	18900	44625	25725	2.37
T3(Recommended Practice)	-	-	-	-	-	-	-

OFT - 4

Detailed Information about OFT:

Name of Discipline	Agronomy
Title of on-farm trial:	Assessment of HYV of Kutki JK4 and CG-1 under Kutki-Mustard/ Chickpea cropping sequence
Year/Season:	2023 / Kharif
Farming situation:	Rainfed
Problem diagnosis:	Low yield of Kutki due to less seed replacement and use of old variety like JK 36
Thematic area:	Crop production
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	**Assessment**
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Growing of old variety JK 36 (2008)
T2 –Recommended Practice-	HYV of Kutki JK4
T3- Recommended Practice-	HYV of Kutki CG-1
Date of sowing:	25/07/2023
Date of harvesting:	20/11/2023
Source of technology:	JNKVV (2016)
Characteristics of technology:	Suitable for sole as well as inter/mixed cropping, responsive to NPK, resistant to drought, lodging, and

	key pest Shoot fly and moderately resistant to head smut
Name of Crop/Enterprises:	Kutki (Little millet)
Recommendations for Farmers	Recommendation
Recommendations for Deptt. Personnel	Recommendation
Feedback	Higher yield and more profitable

Result : **(Economic Performance of OFT)** **(Please choose and give the parameters name and value according to suitable your OFT)**

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Plant height (At harvest, 80 DAS) number of productive tillers (At harvest, 80 DAS) Test weight, yield	cm, number/plant, g, q/ha	85, 2.7, 1.8, 3.81	8450	21336	12886	2.52
T2(Recommended Practice)	Plant height (At harvest, 80 DAS) number of productive tillers (At harvest, 80 DAS) Test weight, yield	cm, number/plant, g, q/ha	119, 4.21, 3.14, 5.85	11536	32065	20529	2.77
T3(Recommended Practice)	Plant height (At harvest, 80 DAS) number of productive tillers (At harvest, 80 DAS) Test weight, yield	cm, number/plant, g, q/ha	117, 4.19, 3.17, 5.89	11895	32395	20500	2.72

OFT - 5

Detailed Information about OFT:

Name of Discipline	Agronomy
Title of on-farm trial:	Assessment of cow dung spray to control BLB in paddy crop
Year/Season:	2023
Farming situation:	Irrigated
Problem diagnosis:	Low yield of old Paddy varieties like kansari, barhai, surmatiya due to BLB infestation
Thematic area:	ITK(Crop production)
No of trials:	5

No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Improper management
T2 –Recommended Practice-	Chemical application (plantomycine or streptomycin 25-30gml/acre)
T3- Recommended Practice-	Spray of Cow dung (Spray at 7-10 days interval) 2kg/10 litre water
Date of sowing:	22/07/2023
Date of harvesting:	20/11/2023
Source of technology:	TNAU, Coimbatore (2014)
Characteristics of technology:	Low cost involve and ITK
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	Recommendations
Recommendations for Deptt. Personnel	Recommendations
Feedback	More effective to control of BLB, No dependency of chemicals

Result : **(Economic Performance of OFT)** **(Please choose and give the parameters name and value according to suitable your OFT)**

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Plant height, No. of affected plants, % disease severity 60 DAT, yield	cm, number/ m2, %, q/ha	71, 18, 24, 35.3	33475	77059	43584	2.3
T2(Recommended Practice)	Plant height, No. of affected plants, % disease severity 60 DAT, yield	cm, number/ m2, %, q/ha	82, 7, 11, 39.7	35164	86665	51501	2.46
T3(Recommended Practice)	Plant height, No. of affected plants, % disease severity 60 DAT, yield	cm, number/ m2, %, q/ha	78, 10, 15, 38.8	32249	84700	52451	2.62

OFT - 6

Detailed Information about OFT:

Name of Discipline	Agronomy
Title of on-farm trial:	Assessment on diversification of farm through poultry based integrated farming system for small and marginal farmers
Year/Season:	2023
Farming situation:	Irrigated/Rainfed
Problem diagnosis:	Low income of farm family due to less diversification of farm
Thematic area:	IFS
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Cultivation of crop (Rice-wheat system)
T2 –Recommended Practice-	Rice-wheat/chickpea +Poultry birds (Narmada nidhi)
T3- Recommended Practice-	T2 + compost
Date of sowing:	22/07/2023
Date of harvesting:	20/11/2023
Source of technology:	ICAR-IIFSR, Modipuram (2016)
Characteristics of technology:	Faster growth rate male attained 1 kg body weight in 9-10 weeks of age. The female matured on an average 161 days of age (intensive) and produces 181 eggs in backyard 4 times higher than the local native (45 eggs) and 195 under semi intensive system of management.
Name of Crop/Enterprises:	Crops+ Poultry birds (Narmada nidhi)+ compost
Recommendations for Farmers	Recommended
Recommendations for Deptt. Personnel	Recommended
Feedback	More profitable and sustainable

Result : **(Economic Performance of OFT) (Please choose and give the parameters name and value according to suitable your OFT)**

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Net income	Rs	83460	64300	147760	83460	2.29
T2(Recommended Practice)	Net income	Rs	111230	75500	186730	111230	2.47
T3(Recommended Practice)	Net income	Rs	124480	77250	201730	124480	2.61

OFT - 7

Detailed Information about OFT:

Name of Discipline	Agronomy
Title of on-farm trial:	Assessment on diversification of farm through Duck-fish based integrated farming system for small and marginal farmers
Year/Season:	2023
Farming situation:	Irrigated/Low land
Problem diagnosis:	Low income of farm family due to less diversification of farm
Thematic area:	Crop production
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Cultivation of crop (Paddy-wheat system)+Pond
T2 –Recommended Practice-	Paddy variety Bisni-wheat system+Pond+Duck (White Pekin/Khaki campell)
T3- Recommended Practice-	Paddy variety improve Jeerashankar/Kalikamod+wheat system+Pond+Duck (White Pekin/Khaki campell)
Date of sowing:	22/07/2023
Date of harvesting:	25/11/2023
Source of technology:	ICAR-IIFSR, Modipuram (2016)
Characteristics of technology:	Khaki Campbell ducks are an excellent pick as an egg producer. A healthy Khaki Campbell hen should lay between 300 and 320 large, white duck eggs in a single year
Name of Crop/Enterprises:	Paddy , wheat, duck, fish
Recommendations for Farmers	Recommended
Recommendations for Deptt. Personnel	Recommended
Feedback	More profitable and sustainable

Result : **(Economic Performance of OFT) (Please choose and give the parameters name and value according to suitable your OFT)**

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Net income	Rs	133210	92675	225885	133210	2.43
T2(Recommended Practice)	Net income	Rs	143259	99250	242509	143259	2.44
T3(Recommended Practice)	Net income	Rs	175613	112640	288253	175613	2.55

OFT - 8

Detailed Information about OFT:

Name of Discipline	Agricultural Engineering
Title of on-farm trial:	**Assessment of Riding type paddy transplanter**
Year/Season:	Kharif – 2023
Farming situation:	Semi- irrigated
Problem diagnosis:	Manually transplanting - zigzag transplanting, resulting in problems during intercultural operation ultimately leading to loss of time and energy
Thematic area:	Farm Mechanization
No of trials:	5
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Manually Transplanting
T2 –Recommended Practice-	Riding type paddy transplanter
T3- Recommended Practice-	
Date of sowing:	22/07/2023
Date of harvesting:	20/11/2023
Source of technology:	CIAE Bhopal, 2019
Characteristics of technology:	Riding type paddy transplanter
Name of Crop/Enterprises:	Paddy / Riding type paddy transplanter
Recommendations for Farmers	Recommended
Recommendations for Deptt. Personnel	Recommended
Feedback	

Result : **(Economic Performance of OFT)** **(Please choose and give the parameters name and value according to suitable your OFT)**

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Labour Requirement, Field capacity, Plant Population, Operational Cost, Yield	(No./ha, (ha/hr), (No/m2), (Rs./ha or Rs./hr), (q/ha)	103.55, 0.125, 75, 8800, 42.25	29800	92231.75	62431.75	3.1
T2(Recommended Practice)	Labour Requirement, Field capacity, Plant Population, Operational Cost, Yield	(No./ha, (ha/hr), (No/m2), (Rs./ha or Rs./hr), (q/ha)	3, 1.42, 25, 2500, 45.67	26650	99697.61	73047.61	3.74
T3(Recommended Practice)							

OFT - 9

Detailed Information about OFT:

Name of Discipline	Agricultural Engineering
Title of on-farm trial:	**Assessment of different sowing method for soybean sowing**
Year/Season:	Kharif – 2023
Farming situation:	Semi- irrigated
Problem diagnosis:	Low yield of Soybean due to poor plant population, moisture stress and / or water stagnation due to heavy down pour
Thematic area:	Farm Mechanization
No of trials:	10
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment

Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	**Flat- bed sowing**
T2 –Recommended Practice-	**Ridge & furrow sowing**
T3- Recommended Practice-	**Ridge bed sowing**
Date of sowing:	15/07/2023
Date of harvesting:	10/11/2023
Source of technology:	CIAE Bhopal, 2018
Characteristics of technology:	Ridge & furrow method of soybean sowing , Ridge bed method of sowing of soybean
Name of Crop/Enterprises:	Soybean / Ridge & furrow sowing, Ridge bed sowing
Recommendations for Farmers	Recommended
Recommendations for Deptt. Personnel	Recommended
Feedback	

Result : **(Economic Performance of OFT)** **(Please choose and give the parameters name and value according to suitable your OFT)**

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Field capacity, Operational Cost, Plant population, Plant height at harvest, Root length at 60 DAS, Number of root nodules per plant at 60 DAS, No. of branches at harvest, Yield	(ha/hr), (Rs./ha or Rs./hr), (No./m2), (cm), (cm), (No./plant), (No./plant), (q/ha)	0.43, 2200, 43.56, 52.64, 18.2, 24.4, 5.7, 12.6	29700	57960	28260	1.95
T2(Recommended Practice)	Field capacity, Operational Cost, Plant population, Plant height at harvest, Root length at 60	(ha/hr), (Rs./ha or Rs./hr), (No./m2),	0.42, 2450, 41.34, 58.61, 24.8, 31.4, 6.26,	24650	74980	50330	3.04

	DAS, Number of root nodules per plant at 60 DAS, No. of branches at harvest, Yield	(cm), (cm), (No./plant), (No./plant), (q/ha)	16.3				
T3(Recommended Practice)	Field capacity, Operational Cost, Plant population, Plant height at harvest, Root length at 60 DAS, Number of root nodules per plant at 60 DAS, No. of branches at harvest, Yield	(ha/hr), (Rs./ha or Rs./hr), (No./m2), (cm), (cm), (No./plant), (No./plant), (q/ha)	0.45, 2550, 39.48, 61.97, 26.9, 34.7, 6.65, 17.2	23900	79120	55220	3.31

OFT - 10

Detailed Information about OFT:

Name of Discipline	Agro forestry
Title of on-farm trial:	Assessment of HYV of Paddy (JR 81) under *Acacia nilotica* traditional tree based Agri-silviculture system.
Year/Season:	2023/Kharif
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to old variety MTU 1010 under agro forestry system
Thematic area:	AGF
No of trials:	05
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Old variety MTU 1010
T2 –Recommended Practice-	HYV of paddy (JR 81) under *Acacia nilotica*
T3- Recommended Practice-	-
Date of sowing:	25 June 2023
Date of harvesting:	01Nov.2023
Source of technology:	Annual report of CAFRI, Jhansi, 2019
Characteristics of technology:	Short structure of plant, 120 day duration, biotic stress tolerant
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	-

Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT) (Please choose and give the parameters name and value according to suitable your OFT)

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Plant height	cm	22 Qnt.	27400	44880	16760	1.63
T2(Recommended Practice)	Yield (Qnt)	Qnt.	30 Qnt.	27700	61200	32000	2.20
T3(Recommended Practice)	-	-	-	-	-	-	-

OFT - 11

Detailed Information about OFT:

Name of Discipline	Agro forestry
Title of on-farm trial:	Assessment of Brinjal (Pusha Hybrid-5)//Tomato under 2 year old mango tree based Agri-Olericulture System.
Year/Season:	2023/Kharif
Farming situation:	Irrigated
Problem diagnosis:	No crop grown between spacing of mango tree.
Thematic area:	AGF
No of trials:	05
No. of farmers involved	10
Type of OFT (Assessment/ Refinement):	Assessment.
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No crop
T2 –Recommended Practice-	Mango+Brinjal/tomato.
T3- Recommended Practice-	-
Date of sowing:	28 June 2023
Date of harvesting:	10 Nov.2023
Source of technology:	Annual report of CAFRI, Jhansi, 2020
Characteristics of technology:	Higher monetary return, Nutritional security

Name of Crop/Enterprises:	Brinjal (Pusha Hybrid-5)/Tomato
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT) (Please choose and give the parameters name and value according to suitable your OFT)

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Plant height	(Cm.)	110 Qnt	38100	55000	16900	1.44
T2(Recommended Practice)	Yield	(Qnt.)	135 Qnt	36400	81000	44600	2.25
T3(Recommended Practice)	-	-	-	-	-	-	-

OFT - 12

Detailed Information about OFT:

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	
Title of on-farm trial:	
Year/Season:	
Farming situation:	
Problem diagnosis:	
Thematic area:	
No of trials:	
No. of farmers involved	
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	
T2 –Recommended Practice-	
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	

Source of technology:	
Characteristics of technology:	
Name of Crop/Enterprises:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : **(Economic Performance of OFT)** **(Please choose and give the parameters name and value according to suitable your OFT)**

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)							
T2(Recommended Practice)							
T3(Recommended Practice)							

Information about Extension OFT:

Title	
Season & Year	
Problem identified	
Thematic Area	
Farming situation	
Name of Technology Intervention under study	
Farmers Practice	
No. of replication (Farmers)	

Results / findings **(Please choose and give the parameters name and value according to suitable your OFT)**

Performance indicators/ parameters	Unit/ details	Observation		
		T1 (Farmers Practice)	T2(Recommended Practice)	T3(Recommended Practice)

Information about Home Science OFT:

OFT - 13

Title of on-farm trial:	Assessment of income generation of farm family by value added oyster mushroom
Year/Season:	2022-23/Rabi
Problem diagnosis:	Low income of FW
Thematic area: (Focus area in DFI and nutri smart initiatives)	Income generation
No of trials:	16
No. of farmers/farm women involved	25
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Use of fresh mushroom seasonally
T2 –Recommended Practice-	Use of value added mushroom products
Source of technology:	National Research Centre for Mushroom (ICAR) Solan,2008
Characteristics of technology:	Mushrooms badi prepared with good quality protein, low cholesterol , high mineral and fibre content
Name of Crop/Enterprises:	Mushroom badi (with good quality protein, low cholesterol , high mineral and fibre content)
Farming situation:	Irrigated
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	Very beneficial for FW
Recommendations for Deptt. Personnel	
Feedback	

(B) Economic Performance Home Science OFT: (For Income Generation)

Name of Enterprise : -Mushroom Badi

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T_1(Farmers Practices)	Yield	16 Kg mushroom	1500	3200	1700	2.13
T_2 (Recommended Practices)	Yield	16 Kg mushroom badi	3020	9600	6580	3.17
T_3(Recommended Practices)						

OFT - 14

Title of on-farm trial:	Assessment of malted sattu (Sprouted chick pea+ sprouted wheat) for Malnourished Children
Year/Season:	2022-23/Rabi

Problem diagnosis:	Prevalence of malnutrition in children of age -3-5 years
Thematic area: (Focus area in DFI and nutri smart initiatives)	Nutritional security
No of trials:	19
No. of farmers/farm women involved	20
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Imbalance diet
T2 –Recommended Practice-	Sprouted chickpea -15 gm,+ sprouted wheat- 15 gm + Jaggery 10 gm @ 40 gm/day/child for 3 months (Fulfilling the 29% requirement of RDA)
Source of technology:	CFTRI, Mysore-2012
Characteristics of technology:	Protein Rich Product (Sprouted chick pea+ sprouted wheat)
Name of Crop/Enterprises:	Malted sattu
Farming situation:	
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	Very beneficial for children
Recommendations for Deptt. Personnel	
Feedback	

Name of Enterprise /product: - Value added chapatti flour

Detail of Technology	**Name of Product/ enterprise**	**Per capita Consumption gm/ day**	**Nutrient Intake (Unit)**				**Anthropometric measurements**		
			Energy (kcal)	**Protein (gm)**	**Iron (mg)**	**Calcium (mg)**	**Increase in Weight (Kg)**	**Increase in Height (cm)**	**BMI** ((Weight (Kg)/ (Height(in m) * Height(in m)))
T_1(Farmers Practices)	Daily Diet	Daily Diet	170	5.84	1.1	10.4			
T_2(Recommended Practices)	Daily Diet + 40gm Malted sattu	Daily Diet + 40gm Malted sattu	205.3	9.4	4.85	164			
T_3(Recommended Practices									

OFT - 15

Title of on-farm trial:	Assessment of drumstick (Moringa oleifera) dry leaf powder as daily dietary supplement for anemic adolescent girls

Year/Season:	2023/Kharif
Problem diagnosis:	Malnutrition due to high anemia in rural adolescent girls
Thematic area: (Focus area in DFI and nutri smart initiatives)	Nutritional security
No of trials:	09
No. of farmers/farm women involved	20
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Imbalance diet
T2 –Recommended Practice-	Dry drumstick leaf powder @ 10g/day/head mean daily intake
Source of technology:	PAU, Ludhiana (2012)
Characteristics of technology:	
Name of Crop/Enterprises:	Moringa leaf powder
Farming situation:	
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	Very beneficial for adolescent girl
Recommendations for Deptt. Personnel	
Feedback	

Detail of Technology	**Name of Product/ enterprise**	**Per capita Consumption gm/ day**	**Nutrient Intake (Unit)**				**Hb measurement**		
			Energy (kcal)	**Protein (gm)**	**Iron (mg)**	**Calcium (mg)**	**Before (g/dl)**	**After (g/dl)**	**BMI** ((Weight (Kg)/ (Height(in m) * Height(in m)))
T_1(Farmers Practices)	Imbalance Diet	-	1800	45.0	22	550	8.1	8.3	
T_2(Recommended Practices)	Normal routine diet with Moringa dried powder	10 gm /day/girl for 3 months	+27.154	+2.38	+19	+346.7	8.0	12.2	
T_3(Recommended Practices									

OFT - 16

Title of on-farm trial:	Assessment of suitability of CR Dhan -310 to improve the nutrition status of the farm family
Year/Season:	2023/Kharif
Problem diagnosis:	High magnitude of malnutrition among farm families
Thematic area: (Focus area in DFI and nutri smart initiatives)	Nutritional security
No of trials:	5
No. of farmers/farm women involved	15
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	Use of paddy variety MTU1010/IR 64
T2 –Recommended Practice-	Use of paddy variety- CR Dhan -310
Source of technology:	Cuttack (2012)
Characteristics of technology:	
Name of Crop/Enterprises:	CR Dhan -310
Farming situation:	
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Detail of Technology	**Name of Product/ enterprise**	**Per capita Consumption gm/ day**	**Nutrient Intake (Unit)**				**Anthropometric measurements**		
			Energy (kcal)	**Protein (gm)**	**Iron (mg)**	**Calcium (mg)**	**Increase in Weight (Kg)**	**Increase in Height (cm)**	**BMI** ((Weight (Kg)/ (Height(in m) * Height(in m)))
T_1(Farmers Practices)	Use of variety MTU1010/IR 64	225	544.5	9.9	6.08	13.5			
T_2(Recommended Practices)	Use of variety- CR Dhan -310	225	597.2	22.75	6.88	13.8			
T_3(Recommended Practices									

Frontline Demonstrations

Details of FLDs organized (Based on soil test analysis)

KVK Name	Season	Discipline (Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry)	Thematic area	Technology for demonstration	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	No. of farmers			
											SC	ST	Others	General
Shahdol	Rabi 2022-23	Agronomy	Crop Production	Demonstration of HYV of chickpea (JG 36) sowing with seed drill cum fertilizers under Rice-chickpea cropping	Pulses	Chickpea	JG 36	Irrigated	Completed	2	1	2	1	1
	Rabi 2022-23	Agronomy	Crop Production	Demonstration of line sowing of HYV of linseed (JLS 79) through fertilizer cum seed drill under rice-linseed cropping system	Oilseed	Linseed	JLS 79	Irrigated	Completed	2	1	2	1	1
	Kharif 2023	Agronomy	Crop Production	Demonstration of HYV variety (JR 206) under Rice-Chickpea cropping sequence	Cereals	Paddy	JR 81	Rainfed	Completed	2	1	2	1	1
	Kharif 2023	Agronomy	Crop Production	Demonstration of HYV variety JK 137 of kodo under Kodo -mustard cropping sequence	Millet	Kodo	JK 137	Rainfed		2	1	2	1	1

	Rabi 22-23	Agro forestry	AGF	Demonstration of Wheat /Gram based Agro Forestry System on soil & climate of Shahdol Distt. Of M.P.	Wheat /Gram	Wheat /Gram	JW 3382/JG 36	Semi Irrigated	Completed	01	1	2	1	1
	Kharif 23	Agro forestry	AGF	Demonstration of High Yielding Variety of Napier grass (IGFRI -3) Fodder Production under Silvi-pasture System.	Napier grass-	Napier grass-	IGFRI-3	Irrigated	Completed	01	1	2	1	1
	Kharif-23	Agro forestry	AGF	Demonstration of High Yielding Fodder Production (African tall) under Silvi-pasture System.	Maize	Maize	African tall	Irrigated	Completed	01	1	2	1	1
	Kharif 23	Agro forestry	AGF	Demonstration of High Yielding Variety (Roma) Turmeric based Agri-Horticulture System by Growing	Turmeric	Turmeric	Pragati	Irrigated	Completed	01	1	2	1	1

				Turmeric under the shade of Fruit tree.										

Economic Impact of Crop FLD

KVK Name	Technology for demonstration	Name of Crop/ Enterprise	Name of Parameter	Name of Unit	Result		Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
					FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)
Shahdol	Demonstration of HYV of chickpea (JG 36) sowing with seed drill cum fertilizers under Rice-chickpea cropping	Chickpea	Plant height, no. of branches, no of pods, yield	cm, no/plant, no/plant, q/ha	45.3, 5.0, 16, 11.86	47.6, 9.0, 21, 13.96	19842	23413	63273	75330	43431	51917	3.18	3.22
	Demonstration of line sowing of HYV of linseed (JLS 79) through fertilizer cum seed drill under rice-linseed cropping	Linseed	Plant height, no. of branches, no of capsules, yield	cm, no/plant, no/plant, q/ha	63, 6.4, 65, 11.86	79, 8.9, 79, 13.96	20132	22751	43200	54900	23068	32149	2.15	2.41
	Demonstration of HYV variety (JR 206) under Rice-Chickpea cropping	Paddy	Plant height, no of panicle, Test weight, yield	cm, no/m2, g, q/ha	81, 241, 21, 37	93, 253, 24, 43	34891	38213	80771	93869	45880	55656	2.31	2.45
	Demonstration of HYV variety JK 137 of kodo under Kodo -mustard cropping sequence	Kodo	Plant height, no of tillers, Test weight, yield	cm, no/m2, g, q/ha	63, 218, 4.75, 6.1	79, 301, 5.21, 8.5	7420	10183	19520	27200	12100	17017	2.63	2.67

	Demonstration of Wheat /Gram based Agro Forestry System on soil & climate of Shahdol Distt. Of M.P.	Gram JG-36	Yield	(Qnt)	14	20	26500	28400	67990	102530	41490	74160	2.5	3.6
	Demonstration of High Yielding Variety of Napier grass (IGFRI -3) Fodder Production under Silvi-pasture System.	Napier grass-I(GFRI-3)	Yield	(Qnt)	500	800	14600	19800	30000	64000	15400	44200	1.6	3.2
	Demonstration of High Yielding Fodder Production (African tall) under Silvi-pasture System.	Maize (African tall)	Yield	(Qnt)	340	760	10300	20590	20400	60800	10100	40210	1.9	2..9
	Demonstration of High Yielding Variety (Roma) Turmeric based Agri-Horticulture System by Growing Turmeric under the shade of Fruit tree.	Turmeric(Pragati)	Yield	(Qnt)	450	800	30000	32000	45000	160000	15000	128000	1.5	2.8

Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days			
2	Farmers Training			
3	Media coverage			
4	Training for extension functionaries			

Details of FLD on Enterprises

Farm Implements

Details of FLDs on Agriculture Engineering implemented during Jan-2023 to Dec-2023

KVK Name	Season	Thematic area	Technology for demonstration	Crop/ Enterprise Category	Name of Crop/ Enterprise	Name of Variety/Technology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed /Ongoing	Crop- Area (ha) / Entrep - No.	No. of farmers			
										SC	ST	Others	General
Shahdol	Kharif 2023	Farm Mechanization	Demonstration of direct sowing of paddy by seed drill	Paddy/ Seed drill	Paddy/ Seed drill	Seed drill	Semi- irrigated	Completed	2	0	3	0	2
	Kharif 2023	Farm Mechanization	Demonstration of Maize sowing by Broad bed planter	Maize/BBF	Maize/BBF	BBF	Semi-irrigated	Completed	2	0	0	0	5
	Kharif 2023	Farm Machinery – Small Farm Implements	Demonstration of weed management through cono weeder in SRI paddy crop	Paddy/Cono weeder	Paddy/Cono weeder	Cono weeder	rainfed	Completed	2	0	4	0	1

Economic Impact of Agriculture Engineering FLD

KVK Name	Technology for demonstration	Name of Crop/ Enterprise	Name of Performance parameters / indicators	Name of Unit	* Data on parameter in relation to technology demonstrated		Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
					FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)

Shahdol	Demonstration of direct sowing of paddy by seed drill	Paddy/ Seed drill	Labour Requirement, Field Capacity, Operational Cost, Energy Requirement, Yield	Man-hr/ha, ha.hr, rs/ha, MJ/ha, q/ha	103.24, 0.119, 8800, 4876.25, 42.56	4.55, 0.42, 1800, 2610.15, 40.78	29800	24690	92908.48	89022.74	63108.48	64332.74	3.12	3.61
	Demonstration of Maize sowing by Broad bed planter	Maize/BBF	Labour Requirement, Field Capacity, Operational Cost, Yield	Man-hr/ha, ha.hr, rs/ha, q/ha	29.5, 0.155, 2980, 16.8	5.95, 0.394, 2200, 18.9	19700	17800	35112	39501	15412	21701	1.78	2.22
	Farm Machinery – Small Farm Implements	Demonstration of weed management through cono weeder in SRI paddy crop	Labour Requirement, Field Capacity, Operational Cost, Plant height, Number of tillers, Yield	Man-hr/ha, ha.hr, rs/ha, cm, number, q/ha	26.85, 0.0095, 6240, 102.4, 21.4, 52.45	18.6, 0.035, 2700, 122.3, 31.7, 55.68	28000	27200	114498.35	121549.44	86498.35	94349.44	4.09	4.47

**Field efficiency, labour saving etc.*

Livestock Enterprises

Details of FLDs on Animal Science implemented during Jan-2023 to Dec-2023

KVK Name	Thematic area	Technology for demonstration	Name of Enterprise	Name of Breed	Completed/Ongoing	No. of unit (animals, poultry birds etc.)	No. of farmers			
							SC	ST	Others	Gen
Shahdol	Feed Management	Demonstration of Azolla for poultry birds under backyard poultry system	Azolla	Kadakanath	Completed	20	1	3	1	0

Economic Impact of Animal Science FLD

KVK Name	Technology for demonstration	Name of Enterprise	Performance parameters / indicators		*Data on parameter in relation to technology demonstrated		Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		B:C Ratio (Gross Return / Gross Cost)	
			Name of Parameter	Name of unit	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)
Shahdol	Demonstration of Azolla for poultry birds under backyard poultry system	Azolla	Avg. body Weight at 6 month	Kadanath	1.24kg	1.67kg	1123	996	2398	2879	1275	1402	2.13	2

**Milk production, meat production, egg production, reduction in disease incidence etc.*

Details of FLDs on Fishery implemented during Jan-2023 to Dec-2023

KVK Name	Thematic area	Technology for demonstration	Name of Enterprise	Completed/Ongoing	Area (ha) / Entrep - No.	No. of farmers			
						SC	ST	Others	General

Economic Impact of Fishery FLD

KVK Name	Technology for demonstration	Name of Enterprise	Performance parameters / indicators		Data on parameter in relation to technology demonstrated		Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		B:C Ratio (Gross Return / Gross Cost)	
			Name of Parameter	Name of unit	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)

Information about Home Science FLDs - (For All Thematic Area)

Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Crop- Area (ha) / Entrep - No.	No. of farmers			
				SC	ST	Others	General

Income generation	Demonstration on income enhancement through mushroom production	Mushroom production	20	0	19	0	1
Income generation	Demonstration on income enhancement of FW through Backyard Poultry Farming	Backyard poultry farming Kadaknath	5	0	5	0	0
Nutritional security	Demonstration on Nutritional Kitchen Garden	Seasonal vegetables and fruits	Vegetables 250 sq m – 12	0	3	8	1
Nutritional security	Demonstration on Paushtik chappatti	Paushtik Chappatti	7	0	7	0	7

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology for demonstration	**Performance Indicator / Parameter**													
	Output *		**Est. Energy Expenditure kj/min.**		**WHR beat/min**		**% reduction in drudgery**		**% increase in efficiency**		**Cardiac Cost of Work**		**% Saving of cardiac Cost**	
	T1	**T2**	**T1**	**T2**	**T1**	**T2**	**T1**	**T2**	**T1**	**T2**	**T1**	**T2**	**T1**	**T2**

***Kindly use Unit as per the machine/implement/equipment used for drudgery reduction**

Economic Performance Home Science FLD: (Income Generation)

Technology for demonstration	**Performance Indicator / Parameter**									
	Production per unit (Q/No/Lit)		**Average Cost of input (Rs/unit)**		**Average Gross Return(Rs/unit)**		**Average Net Return(Rs/unit)**		**Benefit-Cost Ratio (Gross Return / Gross Cost)**	
	T1	**T2**	**T1**	**T2**	**T1**	**T2**	**T1**	**T2**	**T1**	**T2**
Demonstration on income enhancement through mushroom production	-	40 Kg/ 30bags		3500		8000		4500		2.29
Demonstration on income enhancement of FW through Backyard Poultry Farming	-	8 adult birds		1800		4000		2200		2.44

Economic Performance Home Science FLD: (For value addition)

Technology for demonstration	**Performance Indicator / Parameter**					
	Composition of product	**Production per unit (Q/ Lit)**	**Average Cost of input (Rs/unit**	**Average Gross Return**	**Average Net Return**	**Benefit-Cost Ratio (Gross Return / Gross Cost)**

							(Rs/unit)		(Rs/unit)			
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For Nutritional security)

Technology for demonstration	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
	Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Demonstration on Nutritional Kitchen Garden	Potato, Onion, Tomato , Egg plant	Spinach, Fenugreek, peas , tomato, Bottle gourd , Coriander, Okra, Egg plant, Beet root, Pumpkin, Radish, Cabbage, Chilli, Potato	215g	285 g	300	310	46.4	60	36.17	59.14	71.34	125.18						
Demonstration on Paushtik chappatti	Chapatti	Paushtik Chapatti	300	300	170	205.3	5.84	9.4	1.1	4.85	10.4	164						

Cluster Demonstration of Oilseed and Pulses under NFSM (2023)

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	*Season and year*	Area (ha)	No. of farmers/ demonstration	Parameters identified
1	Soybean	CP	Integrated Crop Management	HYV JS 20-69 Line sowing, Bio-fertilizers(Rhizobium, PSB, PGPR and Trichoderma) and Herbicide (Pendimethalin 500 ml & Imazethyper 400 ml , incecticide (Indoxcarb 160 ml and Imidachloprid 100 ml, Fungicide (Carbendazim+Mancozeb 200 gm)	Kharif 2023	20	50	Plant height, No of Branches, Yield

2	Sesame	CP	Integrated Crop Management	Seed, Bio-fertilizers(Azospirillum, Azotobactor, PSB, and trichoderma) and incecticide, Fungicide(Carbendazim+Mancozeb)	Kharif 2023	20	50	Plant height, No of Branches, Yield
3	Pigeon pea	CP	Integrated Crop Management	Seed (10 kg), Biofertilizer (Rhizobium, Trichoderma, PSB), Carbendazim (400 gm), Imazethyper 400 ml, Emamectin Benzoate (100 gm)	Kharif 2023	67	167	Plant height, No of Branches, Yield
4	Black gram	CP	Integrated Crop Management	Seed (10 kg), Carbendazim+Mancozeb (400 gm) , Pendamethalin (500 ml), Imazethyper 400 ml, Propenofos (00 ml) & Neem tel (500 ml)	Kharif 2023	20	50	Plant height, No of Branches, Yield
5	Mustard	CP	Integrated Crop Management	Seed, Biofertilizer, Pendamethalin, Carbnedazim, Imidachloprid, Neem tel	Rabi 2023	20	50	Plant height, No of Branches, Yield
6	Linseed	CP	Integrated Crop Management	Seed, Biofertilizer, Imidachloprid, Chlorpyrophos	Rabi 2023	20	50	Plant height, No of Branches, Yield
7	Lentil	CP	Integrated Crop Management	Seed, Biofertilizer, Pendamethalin, Carbnedazim, Propenofos	Rabi 2023	30	75	Plant height, No of Branches, Yield

Extension and Training activities under CFLDs Oilseed and Pulses

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	10	During crop season	200
2	Farmers Training	8	During crop season	210
3	Media coverage	5	During crop season	Mass
4	Training for extension functionaries	3	During crop season	75

Training (Including the sponsored and FLD training programmes):

A) ON Campus

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
F & FW	**Crop Production**	Weed Management	IWM in kharif and rabi crops	7	1	33	15	19	13	33	28	21	11
	Crop Production	Resource Conservation Technologies											
F & FW	**Crop Production**	Cropping Systems	INM in rice-wheat system	1	1	3	2	1	3	13	9	3	0

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
F & FW	**Crop Production**	Crop Diversification	Crop Diversification for sustainable crop production	1	1	3	2	1	3	13	9	3	0
F & FW	**Crop Production**	Integrated Farming	IFS for enhancing farm income	1	1	3	2	1	3	13	9	3	0
	Crop Production	Micro irrigation/irrigation											
F & FW	**Crop Production**	Seed production	Good quality seed production in rice	1	1	3	2	1	3	13	9	3	0
F & FW	**Crop Production**	Nursery management	Nursery management in rice	1	1	3	2	1	3	13	9	3	0
F & FW	**Crop Production**	Integrated Crop Management	ICM of pulses and oil seed crops	7	1	23	12	17	13	33	29	13	10
	Crop Production	Soil & water conservation											
F & FW	**Crop Production**	Integrated nutrient Management	INM IN pulses and oil seed crops	7	1	23	12	17	13	33	29	13	10
F & FW	**Crop Production**	Production of organic inputs	Production of organic inputs	6	1	23	12	17	13	33	29	13	10
	Crop Production	Others(Pl. Specify)											
	Horticulture (Vegetable Crops)	Production of low volume and high value crops											
	Horticulture (Vegetable Crops)	Off season vegetables											
	Horticulture (Vegetable Crops)	Nursery raising											
	Horticulture (Vegetable Crops)	Exotic vegetables											
	Horticulture (Vegetable Crops)	Export potential vegetables											
	Horticulture (Vegetable Crops)	Grading and standardization											
	Horticulture (Vegetable Crops)	Protective cultivation											
	Horticulture (Vegetable Crops)	Others(Pl. Specify)											
	Horticulture (Fruits)	Training and Pruning											
	Horticulture (Fruits)	Layout and Management of Orchards											
	Horticulture (Fruits)	Cultivation of Fruit											
	Horticulture (Fruits)	Management of young plants/orchards											
	Horticulture (Fruits)	Rejuvenation of old orchards											
	Horticulture (Fruits)	Export potential fruits											
	Horticulture (Fruits)	Micro irrigation systems of orchards											
	Horticulture (Fruits)	Plant propagation techniques											

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
	Horticulture (Fruits)	Others (Pl. Specify)											
	Horticulture (Ornamental Plants)	Nursery Management											
	Horticulture (Ornamental Plants)	Management of potted plants											
	Horticulture (Ornamental Plants)	Export potential of ornamental plants											
	Horticulture (Ornamental Plants)	Propagation techniques of Ornamental Plants											
	Horticulture (Ornamental Plants)	Others (Pl. Specify)											
	Horticulture(Plantation crops)	Production and Management technology											
	Horticulture(Plantation crops)	Processing and value addition											
	Horticulture(Plantation crops)	Others (Pl. Specify)											
	Horticulture(Tuber crops)	Production and Management technology											
	Horticulture(Tuber crops)	Processing and value addition											
	Horticulture(Tuber crops)	Others (Pl. Specify)											
	Horticulture(Spices)	Production and Management technology											
	Horticulture(Spices)	Processing and value addition											
	Horticulture(Spices)	Others (Pl. Specify)											
	Horticulture(Medicinal and Aromatic Plants)	Nursery management											
	Horticulture(Medicinal and Aromatic Plants)	Production and management technology											
	Horticulture(Medicinal and Aromatic Plants)	Post harvest technology and value addition											
	Horticulture(Medicinal and Aromatic Plants)	Others (Pl. Specify)											
	Soil Health and Fertility Management	Soil fertility management											
	Soil Health and Fertility Management	Integrated water management											
	Soil Health and Fertility Management	Integrated Nutrient Management											
	Soil Health and Fertility Management	Production and use of organic inputs											
	Soil Health and Fertility Management	Management of Problematic soils											
	Soil Health and Fertility Management	Micro nutrient deficiency in crops											
	Soil Health and Fertility Management	Nutrient Use Efficiency											
	Soil Health and Fertility Management	Balance Use of fertilizer											
	Soil Health and Fertility Management	Soil & water testing											
	Soil Health and Fertility Management	Organic Farming											
	Soil Health and Fertility Management	Others (Pl. Specify)											
	Livestock Production and Management	Dairy Management											
	Livestock Production and Management	Poultry Management											
	Livestock Production and Management	Piggery Management											
	Livestock Production and Management	Rabbit Management											
	Livestock Production and Management	Animal Nutrition Management											
	Livestock Production and Management	Disease Management											
	Livestock Production and Management	Feed & fodder technologies											
	Livestock Production and Management	Production of quality animal products											
	Livestock Production and Management	Others (Pl. Specify)											
FW	**Home Science/Women empowerment**	Household food security by kitchen	Vermicompo	01	01	2	4	0	7	1	6	0	8

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
		gardening and nutrition gardening	st Production and its usage in Nutritional Kitchen Garden										
FW	**Home Science/Women empowerment**	Household food security by kitchen gardening and nutrition gardening	Importance of vegetables for balanced nutrition	01	01	0	1	0	0	0	10	0	10
FW	**Home Science/Women empowerment**	Household food security by kitchen gardening and nutrition gardening	Nutritional importance of Drumstick and curry leaves	01	01	0	2	0	2	0	12	0	9
FW	**Home Science/Women empowerment**	Design and development of low/minimum cost diet	Nutritive importance of Kodo Millet	01	01	0	1	0	0	0	23	0	0
FW	**Home Science/Women empowerment**	Design and development of low/minimum cost diet	Importance of Kodo Kutki for healthy nutrition	01	01	0	2	0	1	0	17	0	13
	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet											
	Home Science/Women empowerment	Minimization of nutrient loss in processing											
	Home Science/Women empowerment	Processing & cooking											
	Home Science/Women empowerment	Gender mainstreaming through SHGs											
	Home Science/Women empowerment	Storage loss minimization techniques											
FW	**Home Science/Women empowerment**	Value addition	Nutritive importance of Kodo Millet and its value added product	01	01	0	0	0	0	3	33	0	0
FW	**Home Science/Women empowerment**	Value addition	Value added products of Kodo and Kutki	01	01	0	3	0	3	0	8	0	8
FW	**Home Science/Women empowerment**	Women empowerment	Importance of mushroom and its medicinal value and employment generation	01	01	5	3	0	3	2	2	0	1
FW	**Home Science/Women empowerment**	Women empowerment	Mushroom	01	02	0	0	0	0	0	0	0	0

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
			production and its nutritional importance				4		4		9		8
	Home Science/Women empowerment	Location specific drudgery reduction technologies											
	Home Science/Women empowerment	Rural Crafts											
	Home Science/Women empowerment	Women and child care											
	Home Science/Women empowerment	Others (Pl. Specify)											
F & FW	**Agril. Engineering**	Farm machinery & its maintenance	Training On Agricultural Mechanization In Paddy Cultivation	1	1	0	0	0	0	3	13	0	0
F & FW	**Agril. Engineering**	Installation and maintenance of micro irrigation systems	Training on Micro irrigation and low head drip irrigation methods	1	1	0	0	0	1	7	27	0	0
F & FW	**Agril. Engineering**	Installation and maintenance of micro irrigation systems	Training on drip irrigation in vegetable crop	1	1	0	0	0	0	8	28	0	0
F & FW	**Agril. Engineering**	Farm machinery & its maintenance	Training on different sowing techniques for soybean	1	1	4	1	0	0	8	4	0	0
F & FW	**Agril. Engineering**	Farm machinery & its maintenance	Training on use of seed drill for paddy sowing	1	1	0	0	0	0	0	15	0	0
F & FW	**Agril. Engineering**	Use of Plastics in farming practices	Use of Protray for nursery raising	1	1	0	0	2	0	15	6	0	0
F & FW	**Agril. Engineering**	Water conservation	Importance of boribandhan for nalabunding	1	1	0	0	0	0	16	0	0	0
F & FW	**Agril. Engineering**	Farm machinery & its maintenance	Different types of harvesting	1	1	0	0	0	0	34	0	2	0

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
			machinery for kharif crops										
F & FW	**Agril. Engineering**	Farm machinery & its maintenance	Importance of seed drill for line sowing of linseed	1	1	0	0	0	0	15	0	0	0
F & FW	**Agril. Engineering**	Farm machinery & its maintenance	Ridge and furrow method of chickpea sowing	1	1	11	0	0	0	4	0	0	0
F & FW	**Agril. Engineering**	Farm machinery & its maintenance	Agricultural mechanization and package of practice for chickpea cultivation under TSP	1	1	0	0	0	0	29	1	0	0
F & FW	**Agril. Engineering**	Farm machinery & its maintenance	Training on use of zero tillage seed cum fertilizer drill for wheat sowing	1	1	10	0	0	0	7	2	0	0
	Agril. Engineering	Production of small tools and implements											
	Agril. Engineering	Repair and maintenance of farm machinery and implements											
	Agril. Engineering	Small scale processing and value addition											
	Agril. Engineering	Post Harvest Technology											
	Agril. Engineering	Others (Pl. Specify)											
	Plant Protection	Integrated Pest Management											
	Plant Protection	Integrated Disease Management											
	Plant Protection	Bio0control of pests and diseases											
	Plant Protection	Production of bio control agents and bio pesticides											
	Plant Protection	Others (Pl. Specify)											
	Fisheries	Integrated fish farming											
	Fisheries	Carp breeding and hatchery management											
	Fisheries	Carp fry and fingerling rearing											
	Fisheries	Composite fish culture											
	Fisheries	Hatchery management and culture of freshwater prawn											

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
	Fisheries	Breeding and culture of ornamental fishes											
	Fisheries	Portable plastic carp hatchery											
	Fisheries	Pen culture of fish and prawn											
	Fisheries	Shrimp farming											
	Fisheries	Edible oyster farming											
	Fisheries	Pearl culture											
	Fisheries	Fish processing and value addition											
	Fisheries	Others (Pl. Specify)											
	Production of Input at site	Seed Production											
	Production of Input at site	Planting material production											
	Production of Input at site	Bio0agents production											
	Production of Input at site	Bio0pesticides production											
	Production of Input at site	Bio0fertilizer production											
	Production of Input at site	Vermi0compost production											
	Production of Input at site	Organic manures production											
	Production of Input at site	Production of fry and fingerlings											
	Production of Input at site	Production of Bee0colonies and wax sheets											
	Production of Input at site	Small tools and implements											
	Production of Input at site	Production of livestock feed and fodder											
	Production of Input at site	Production of Fish feed											
	Production of Input at site	Mushroom production											
	Production of Input at site	Apiculture											
	Production of Input at site	Others (Pl. Specify)											
	Capacity Building and Group Dynamics	Leadership development											
	Capacity Building and Group Dynamics	Group dynamics											
	Capacity Building and Group Dynamics	Formation and Management of SHGs											
	Capacity Building and Group Dynamics	Mobilization of social capital											
	Capacity Building and Group Dynamics	Entrepreneurial development of farmers/youths											
	Capacity Building and Group Dynamics	WTO and IPR issues											
	Capacity Building and Group Dynamics	Others (Pl. Specify)											
F& FW	**Agro forestry**	Production technologies	Scientific Cultivation of Fodder Production under Agri silvipasture system.	01	01	5	2	3	2	6	4	3	2
F& FW	**Agro forestry**	Production technologies	Training on kharif crop with Drumstick & Mango based Agroforestry System	01	01	5	2	3	2	6	4	3	2

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
F& FW	**Agro forestry**	Production technologies	Importance of Fodder production along with Plantation	01	01	5	2	3	2	6	4	3	2
F& FW	**Agro forestry**	Nursery management	Planting techniques of Moringa and after its care	01	01	5	2	3	2	6	4	3	2
F& FW	**Agro forestry**	Integrated Farming Systems	Integrated Farming system and their Iportance.	01	01	5	2	3	2	6	4	3	2
F & FW	**Agro forestry**	Integrated Farming Systems	Training on Drumstick plantation and its care.	01	01	5	2	3	2	6	4	3	2
F & FW	**Agro forestry**	Additional Income for Agro forestry	Scientific Cultivation of Turmeric under the Shade of tree.	01	01	5	2	3	2	6	4	3	2
	Agro forestry	Others (Pl. Specify)											

B) <u>OFF Campus</u>

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
F & FW	**Crop Production**	Weed Management	IWM in kharif and rabi crops	7	1	33	15	19	13	33	28	21	11
	Crop Production	Resource Conservation Technologies											
F & FW	**Crop Production**	Cropping Systems	INM in rice-wheat system	1	1	3	2	1	3	13	9	3	0
F & FW	**Crop Production**	Crop Diversification	Crop Diversification for sustainable crop production	1	1	3	2	1	3	13	9	3	0

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
F & FW	**Crop Production**	Integrated Farming	IFS for enhancing farm income	1	1	3	2	1	3	13	9	3	0
	Crop Production	Micro irrigation/irrigation											
F & FW	**Crop Production**	Seed production	Good quality seed production in rice	1	1	3	2	1	3	13	9	3	0
F & FW	**Crop Production**	Nursery management	Nursery management in rice	1	1	3	2	1	3	13	9	3	0
F & FW	**Crop Production**	Integrated Crop Management	ICM of pulses and oil seed crops	7	1	23	12	17	13	33	29	13	10
	Crop Production	Soil & water conservation											
F & FW	**Crop Production**	Integrated nutrient Management	INM IN pulses and oil seed crops	7	1	23	12	17	13	33	29	13	10
F & FW	**Crop Production**	Production of organic inputs	Production of organic inputs	6	1	23	12	17	13	33	29	13	10
	Crop Production	Others(Pl. Specify)											
	Horticulture (Vegetable Crops)	Production of low volume and high value crops											
	Horticulture (Vegetable Crops)	Off season vegetables											
	Horticulture (Vegetable Crops)	Nursery raising											
	Horticulture (Vegetable Crops)	Exotic vegetables											
	Horticulture (Vegetable Crops)	Export potential vegetables											
	Horticulture (Vegetable Crops)	Grading and standardization											
	Horticulture (Vegetable Crops)	Protective cultivation											
	Horticulture (Vegetable Crops)	Others(Pl. Specify)											
	Horticulture (Fruits)	Training and Pruning											
	Horticulture (Fruits)	Layout and Management of Orchards											
	Horticulture (Fruits)	Cultivation of Fruit											
	Horticulture (Fruits)	Management of young plants/orchards											
	Horticulture (Fruits)	Rejuvenation of old orchards											
	Horticulture (Fruits)	Export potential fruits											
	Horticulture (Fruits)	Micro irrigation systems of orchards											
	Horticulture (Fruits)	Plant propagation techniques											
	Horticulture (Fruits)	Others (Pl. Specify)											
	Horticulture (Ornamental Plants)	Nursery Management											
	Horticulture (Ornamental Plants)	Management of potted plants											
	Horticulture (Ornamental Plants)	Export potential of ornamental plants											
	Horticulture (Ornamental Plants)	Propagation techniques of Ornamental Plants											
	Horticulture (Ornamental Plants)	Others (Pl. Specify)											

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
	Horticulture(Plantation crops)	Production and Management technology											
	Horticulture(Plantation crops)	Processing and value addition											
	Horticulture(Plantation crops)	Others (Pl. Specify)											
	Horticulture(Tuber crops)	Production and Management technology											
	Horticulture(Tuber crops)	Processing and value addition											
	Horticulture(Tuber crops)	Others (Pl. Specify)											
	Horticulture(Spices)	Production and Management technology											
	Horticulture(Spices)	Processing and value addition											
	Horticulture(Spices)	Others (Pl. Specify)											
	Horticulture(Medicinal and Aromatic Plants)	Nursery management											
	Horticulture(Medicinal and Aromatic Plants)	Production and management technology											
	Horticulture(Medicinal and Aromatic Plants)	Post harvest technology and value addition											
	Horticulture(Medicinal and Aromatic Plants)	Others (Pl. Specify)											
	Soil Health and Fertility Management	Soil fertility management											
	Soil Health and Fertility Management	Integrated water management											
	Soil Health and Fertility Management	Integrated Nutrient Management											
	Soil Health and Fertility Management	Production and use of organic inputs											
	Soil Health and Fertility Management	Management of Problematic soils											
	Soil Health and Fertility Management	Micro nutrient deficiency in crops											
	Soil Health and Fertility Management	Nutrient Use Efficiency											
	Soil Health and Fertility Management	Balance Use of fertilizer											
	Soil Health and Fertility Management	Soil & water testing											
	Soil Health and Fertility Management	Organic Farming											
	Soil Health and Fertility Management	Others (Pl. Specify)											
	Livestock Production and Management	Dairy Management											
	Livestock Production and Management	Poultry Management											
	Livestock Production and Management	Piggery Management											
	Livestock Production and Management	Rabbit Management											
	Livestock Production and Management	Animal Nutrition Management											
	Livestock Production and Management	Disease Management											
	Livestock Production and Management	Feed & fodder technologies											
	Livestock Production and Management	Production of quality animal products											
	Livestock Production and Management	Others (Pl. Specify)											
FW	**Home Science/Women empowerment**	Household food security by kitchen gardening and nutrition gardening	Importance of GLV for healthy living, CLF office – Viratnandini, Kalyanpur	01	01	0	4	0	3	0	8	0	6
FW	**Home Science/Women empowerment**	Household food security by kitchen	Household	01	01	0	1	0	1	0	1	0	6

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
		gardening and nutrition gardening	nutritional security by NKG , Central Rseti, Kalyanpur								4		
FW	**Home Science/Women empowerment**	Household food security by kitchen gardening and nutrition gardening	Importance of NKG for balance diet, Central Rseti Kalyanpur	01	01	-	5	-	-	-	19	-	5
FW	**Home Science/Women empowerment**	Household food security by kitchen gardening and nutrition gardening	Role and importance of NKG for balanced nutrition V-Jalditola, B-Burhar	01	01	-	-	-	-	1	8	1	20
FW	**Home Science/Women empowerment**	Design and development of low/minimum cost diet	Importance of traditional foods made from coarse millets for nutritional security of farm families, V- Narwar, B- Sohagpur	01	01	1	0	0	4	0	22	0	7
FW	**Home Science/Women empowerment**	Design and development of low/minimum cost diet	Importance of millets kodo and Kutki for balanced nutrition V-Kalyanpur (CLF Viratnandini) ,B-Sohagpur	01	01	0	1	0	1	0	10	0	8
FW	**Home Science/Women empowerment**	Design and development of low/minimum cost diet	Designing and development of low cost diet, Central Rseti, Kalyanpur	01	01	0	0	0	4	0	13	0	8
FW	**Home Science/Women empowerment**	Design and development of low/minimum cost diet	Nutritive importance of	01	01	-	-	-	5	5	9	-	1

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
			millets , V-Malya, B-Burhar										
FW	**Home Science/Women empowerment**	Design and development of low/minimum cost diet	Nutritive importance of coarse millets-Maize, Lalpur Panchayat Bhawan, B-Sohagpur	01	01	1	6	-		3	12	2	40
FW	**Home Science/Women empowerment**	Designing and development for high nutrient efficiency diet	Designing and development of high nutrient efficient diet , V-Kanchanpur, B- Sohagpur	01	01	0	0	0	0	0	1	0	21
FW	**Home Science/Women empowerment**	Designing and development for high nutrient efficiency diet	Preparation of malted sattu V-Baigaiha, B-Sohagpur	01	01	-	3	-	-	3	8	-	18
FW	**Home Science/Women empowerment**	Designing and development for high nutrient efficiency diet	Preparation of malted sattu Central Rseti, Kalyanpur	01	01	-	3	-	1	-	11	-	9
FW	**Home Science/Women empowerment**	Minimization of nutrient loss in processing	Precaution to be taken to reduce nutrient loss during processing, Central Rseti Kalyanpur	01	01	-	-	-	2	-	30	-	5
FW	**Home Science/Women empowerment**	Minimization of nutrient loss in processing	Precaution to be taken during preparation and processing of foods to be	01	01	-	2	-	4	-	11	-	9

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
			prevent nutrient losses, Central Rseti, Kalyanpur										
	Home Science/Women empowerment	Processing & cooking											
	Home Science/Women empowerment	Gender mainstreaming through SHGs											
	Home Science/Women empowerment	Storage loss minimization techniques											
FW	**Home Science/Women empowerment**	Value addition	Mushroom production technology and its value addition	01	01	0	1	0	0	0	19	0	1
	Home Science/Women empowerment	Women empowerment											
	Home Science/Women empowerment	Location specific drudgery reduction technologies											
	Home Science/Women empowerment	Rural Crafts											
FW	**Home Science/Women empowerment**	Women and child care	Care and nutrition of adolescent girl V- Nipaniya , B- Sohagpur	01	01	0	6	0	1	0	11	0	8
FW	**Home Science/Women empowerment**	Women and child care	Care and nutrition of adolescent girl V- Rohaniya , B- Sohagpur	01	01	0	2	0	0	0	17	0	5
FW	**Home Science/Women empowerment**	Women and child care	Importance of First 1000 Days and sanitation and Hygiene for healthy living, Viratnandinin CLF Kalyanpur	01	01	-	6	-	1	-	5	-	10
FW	**Home Science/Women empowerment**	Others (Pl. Specify)	Oyster mushroom production, V- Jalditola, B- Burhar	01	01	-	1	-	-	-	5	-	16
F & FW	**Agril. Engineering**	Farm machinery & its maintenance	Training on "Different	1	1	16	1	0	0	3	0	0	0

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
			types of implements use for field preparation in kharif season"										
F & FW	**Agril. Engineering**	Farm machinery & its maintenance	Training on "Use of broad bed planter for maize sowing "	1	1	8	1	0	0	6	0	0	0
F & FW	**Agril. Engineering**	Farm machinery & its maintenance	Training on Use of different types of sprayers. Village – Chouradih, Block – Sohagpur.	1	1	28	1	0	0	0	0	0	0
F & FW	**Agril. Engineering**	Production of small tools and implements	Use of vegetable transplanter for vegetable seedling planting, Village – Majgawan, Block - Sohagpur	1	1	0	0	0	0	11	4	0	1
F & FW	**Agril. Engineering**	Farm machinery & its maintenance	Sponsored training by Agricultural Engineering Department on Pre Kharif preparation and agricultural machinery use.	1	1	15	2	4	0	8	1	4	0
	Agril. Engineering	Farm machinery & its maintenance											
	Agril. Engineering	Installation and maintenance of micro irrigation systems											

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
	Agril. Engineering	Use of Plastics in farming practices											
	Agril. Engineering	Production of small tools and implements											
	Agril. Engineering	Repair and maintenance of farm machinery and implements											
	Agril. Engineering	Small scale processing and value addition											
	Agril. Engineering	Post Harvest Technology											
	Agril. Engineering	Others (Pl. Specify)											
	Plant Protection	Integrated Pest Management											
	Plant Protection	Integrated Disease Management											
	Plant Protection	Bio0control of pests and diseases											
	Plant Protection	Production of bio control agents and bio pesticides											
	Plant Protection	Others (Pl. Specify)											
	Fisheries	Integrated fish farming											
	Fisheries	Carp breeding and hatchery management											
	Fisheries	Carp fry and fingerling rearing											
	Fisheries	Composite fish culture											
	Fisheries	Hatchery management and culture of freshwater prawn											
	Fisheries	Breeding and culture of ornamental fishes											
	Fisheries	Portable plastic carp hatchery											
	Fisheries	Pen culture of fish and prawn											
	Fisheries	Shrimp farming											
	Fisheries	Edible oyster farming											
	Fisheries	Pearl culture											
	Fisheries	Fish processing and value addition											
	Fisheries	Others (Pl. Specify)											
	Production of Input at site	Seed Production											
	Production of Input at site	Planting material production											
	Production of Input at site	Bio0agents production											
	Production of Input at site	Bio0pesticides production											
	Production of Input at site	Bio0fertilizer production											
	Production of Input at site	Vermi0compost production											
	Production of Input at site	Organic manures production											
	Production of Input at site	Production of fry and fingerlings											
	Production of Input at site	Production of Bee0colonies and wax sheets											
	Production of Input at site	Small tools and implements											
	Production of Input at site	Production of livestock feed and fodder											
	Production of Input at site	Production of Fish feed											
	Production of Input at site	Mushroom production											
	Production of Input at site	Apiculture											
	Production of Input at site	Others (Pl. Specify)											
	Capacity Building and Group Dynamics	Leadership development											
	Capacity Building and Group Dynamics	Group dynamics											

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
	Capacity Building and Group Dynamics	Formation and Management of SHGs											
	Capacity Building and Group Dynamics	Mobilization of social capital											
	Capacity Building and Group Dynamics	Entrepreneurial development of farmers/youths											
	Capacity Building and Group Dynamics	WTO and IPR issues											
	Capacity Building and Group Dynamics	Others (Pl. Specify)											
F & FW	**Agro forestry**	Production technologies	Training on "Drumstick Based Brijal production and Vegetable under Agroforestry At Vill-Majhgawa B-Sohagpur.	01	01	1	0	0	0	15	09	0	0
F & FW	**Agro forestry**	Production technologies	Scientific Cultivation of Makka chari based on Ago forestry system.	01	01	5	2	3	2	6	4	3	2
F & FW	**Agro forestry**	Production technologies	Importance of Different Modules of the Agro forestry Components.	01	01	5	2	3	2	6	4	3	2
F & FW	**Agro forestry**	Production technologies	Training on Method of Mahua seed /Flowers collection and their Advantage.	01	01	5	2	3	2	6	4	3	2
F & FW	**Agro forestry**	Production technologies	Training on Arhar + Eucalyptus Based Agro forestry System.	01	01	5	2	3	2	6	4	3	2
F & FW	**Agro forestry**	Nursery management	Training on "Wheat + Bunds on Mango/Eucal	01	01	5	2	3	2	6	4	3	2

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
			yptus Based AgroHorticulture System.										
F & FW	**Agro forestry**	Nursery management	Training on "Gram + Bunds on Guava/Eucalyptus Based Agroforestry System.	01	01	5	2	3	2	6	4	3	2
F & FW	**Agro forestry**	Nursery management	Training on "Paddy + Bunds on Moringa Based Agroforestry System.	01	01	5	2	3	2	6	4	3	2
F & FW	**Agro forestry**	Integrated Farming Systems	Planting technique of Eucalyptus,Teak, and Shisham and their Management.	01	01	5	2	3	2	6	4	3	2
F & FW	**Agro forestry**	Integrated Farming Systems	Importance of Minor Forest Product for Additional Income.	01	01	5	2	3	2	6	4	3	2
	Agro forestry	Production technologies											
	Agro forestry	Nursery management											
	Agro forestry	Integrated Farming Systems											
	Agro forestry	Others (Pl. Specify)											

Details of Training Programmes conducted by the KVKs for Rural Youth

A. ON Campus

Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Protected cultivation of vegetable crops											
Commercial fruit production											
Integrated farming	Integrated farming for employment generation	1	6	9	19	4	7	17	21	7	6
Seed production											
Production of organic inputs	Organic farming for sustainable crop production	1	6	7	17	5	7	15	23	7	5
Planting material production											
Vermi culture											
Mushroom Production											
Bee keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											
Fry and fingerling rearing											
Others(Pl. Specify)											
Others(Pl. Specify) Home Science/Women empowerment	Azolla production and its usuage in Nutritional Kitchen Garden	01	01	10	0	0	0	7	1	0	0

Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
Others(Pl. Specify) Home Science/Women empowerment	SCA symptoms and its precautionary measures	01	01	0	7	0	4	0	13	0	5
Others(Pl. Specify) Home Science/Women empowerment	Nutritional importance of green leafy vegetables	01	01	0	1	0	5	0	14	0	8
Others(Pl. Specify) Home Science/Women empowerment	Nutritional importance of Chickpea	01	01	0	0	0	3	0	12	0	10
Others(Pl. Specify) Home Science/Women empowerment	Importance of Sinduri plant for organic edible food colour	01	01	4	1	0	3	0	4	0	3
Others(Pl. Specify) Home Science/Women empowerment	Importance of different small implements for drudgery reduction	01	01	3	0	4	0	14	0	10	0
Others(Pl. Specify) Agroforestry- For Additional Income.	Different types of Agro forestry System and their Importance in human life	01	01	2	1	3	2	5	8	0	0

B. OFF Campus

Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Protected cultivation of vegetable crops											
Commercial fruit production											
Integrated farming											
Seed production											
Production of organic inputs											
Planting material production											
Vermi culture											
Mushroom Production											
Bee keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
Production of quality animal products											

Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											
Fry and fingerling rearing											
Others(Pl. Specify)											
Others(Pl. Specify) Home Science/Women empowerment	Nutritive importance of millets, Sanskrit College V-Kalyanpur, B- . Sohagpur.	01	01	20	02	0	0	01	0	0	0
Others (Pl. Specify) - Agro forestry	Additional income for Agro forestry V-Lamro, B- . Sohagpur.	01	01	0	0	0	0	16	02	0	0

Details of Training Programmes conducted by the KVKs for Extension Personnel

A. ON Campus

Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
Productivity enhancement in field crops											
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Production and use of organic inputs											
Care and maintenance of farm machinery and implements											
Gender mainstreaming through SHGs											
Formation and Management of SHGs											
Women and Child care											
Low cost and nutrient efficient diet designing											
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											

Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Others(Pl. Specify)											
Others (Pl. Specify) Agro forestry	Wasteland development through different Method of Agro forestry.	1	1	4	2	3	2	6	4	2	1
Agro forestry	Scientific Cultivation of Napier grass and their Importance.	1	1	4	2	3	2	6	4	2	1
Agro forestry	Guava Based Agro forestry technique and their care.	1	1	4	2	3	2	6	4	2	1
Agro forestry	Eucalyptus based Agro forestry System and their Importance	1	1	4	2	3	2	6	4	2	1

B. OFF Campus

Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
Productivity enhancement in field crops											
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Production and use of organic inputs											
Care and maintenance of farm machinery and implements											
Gender mainstreaming through SHGs											
Formation and Management of SHGs											
Women and Child care	Nutritional and health benefits of Chickpea , Viratnandini CLF Kalyanpur	01	01	0	1	0	3	0	13	0	12
Women and Child care	Nutritional and health benefits of Chickpea and its traditional products , Central Rseti Kalyanpur	01	01	0	1	0	2	0	9	0	5
Women and Child care	Importance of Chickpea in daily diet , Central Rseti Kalyanpur	01	01	0	3	0	1	0	15	0	5
Low cost and nutrient efficient diet designing	Nutritive importance of millets and traditional recipes from millets, AWC- Malya, B- Burhar	01	01	-	2	-	1	-	13	-	4
Low cost and nutrient efficient diet designing	Nutritive importance of minor millets, AWC- Baruka , B-Sohagpur	01	01	-	10	-	1	-	13	-	9
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals											
Livestock feed and fodder production											
Household food security											

Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
Others(Pl. Specify)											
Others(Agro forestry)- Agro forestry	Biological Control measure of Insect pest in planted tree and their management.	1	1	4	2	3	2	6	4	2	1
Agro forestry	Training on Apiculture and their Management.	1	1	4	2	3	2	6	4	2	1
Agro forestry	Wasteland Development through Babul, Aonla, Karanja plantation.	1	1	4	2	3	2	6	4	2	1
Agro forestry	Intercropping system of different tree along with Kharif Crops and their Importance.	1	1	4	2	3	2	6	4	2	1

Details of Vocational training programmes for Rural Youth conducted by the KVKs

Thematic Area	Sub Theme	Training title	No of Courses	Duration of training (days)	Number of Beneficiaries							
					Gen		SC		ST		Others	
					M	F	M	F	M	F	M	F
Crop production and management	Commercial floriculture											
Crop production and management	Commercial fruit production											
Crop production and management	Commercial vegetable production											
Crop production and management	Integrated crop management											
Crop production and management	Organic farming											
Crop production and management	**Others(Pl. Specify)**											
Post harvest technology and value addition	Value addition											
Post harvest technology and value addition	**Others(Pl. Specify)**											
Livestock and fisheries	Dairy farming											
Livestock and fisheries	Composite fish culture											
Livestock and fisheries	Sheep and goat rearing											
Livestock and fisheries	Piggery											
Livestock and fisheries	Poultry farming											
Livestock and fisheries	**Others(Pl. Specify)**											
Income generation activities	Vermi-composting											
Income generation activities	Production of bio-agents, bio-pesticides,											
Income generation activities	Bio-fertilizers etc.											
Income generation activities	Repair and maintenance of farm machinery & implements											
Income generation activities	Rural Crafts											
Income generation activities	Seed production											
Income generation activities	Sericulture											
Income generation activities	Mushroom cultivation	Mushroom production and its value added products	01	05	3	7	2	2	2	3	2	1
Income generation activities	Mushroom cultivation	Mushroom production and its value added products	01	05	1	8	0	1	0	15	1	10
Income generation activities	Nursery, grafting etc.											

Thematic Area	Sub Theme	Training title	No of Courses	Duration of training (days)	Number of Beneficiaries							
					Gen		SC		ST		Others	
					M	F	M	F	M	F	M	F
Income generation activities	Tailoring, stitching, embroidery, dying etc.											
Income generation activities	Agril. para0workers, para0vet training											
Income generation activities	**Others(Pl. Specify)**											
Income generation activities	Others(Pl. Specify) Agroforestry	Plantation Techniques and Different Method & their Importance	01	05	3	7	2	2	2	3	2	1
Agricultural Extension	Capacity building and group dynamics	Plantation Techniques and Different Method and its core	01	05	1	8	0	1	0	15	1	10
Agricultural Extension	**Others(Pl. Specify)**											

Table 5.5. Sponsored Training Programmes

Client (F &FW/FW / RY/ IS)	Thematic area	Sub-theme	Training Title	No. of courses	Duration (days)	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		
	Crop production and management	Increasing production and productivity of crops													
	Crop production and management	Commercial production of vegetables													
	Crop production and management	Production and value addition													
	Crop production and management	Fruit Plants													
	Crop production and management	Ornamental plants													
	Crop production and management	Spices crops													
	Crop production and management	Soil health and fertility management													
	Crop production and management	Production of Inputs at site													
	Crop production and management	Methods of protective cultivation													
	Crop production and management	**Others(Pl. Specify)**													
	Post harvest technology and value addition	Processing and value addition													
	Post harvest technology and value addition	**Others(Pl. Specify)**													
	Farm machinery	Farm machinery, tools and implements													
	Farm machinery	**Others(Pl. Specify)**													
	Livestock and fisheries	Livestock production and													

Client (F &FW/FW / RY/ IS)	Thematic area	Sub-theme	Training Title	No. of courses	Duration (days)	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
						Gen		Others		SC		ST			
						M	F	M	F	M	F	M	F		
		management													
	Livestock and fisheries	Animal Nutrition Management													
	Livestock and fisheries	Animal Disease Management													
	Livestock and fisheries	Fisheries Nutrition													
	Livestock and fisheries	Fisheries Management													
	Livestock and fisheries	**Others(Pl. Specify)**													
	Home Science	Household nutritional security													
	Home Science	Economic empowerment of women													
	Home Science	Drudgery reduction of women													
	Home Science	**Others(Pl. Specify)**													
	Agricultural Extension	Capacity Building and Group Dynamics													
	Agricultural Extension	**Others(Pl. Specify)**													
F &FW	Agro forestry	Agro forestry	Scintific Cultivation of Fodder crop (Napier grass)	1	1	5	2	3	1	3	1	6	4	ATMA Shahdol	-

Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	12	268	142	410	12	5	17	280	147	427
Kisan Mela	1	522	254	776	40	18	58	562	272	834
Kisan Ghosthi	7	521	240	761	20	8	28	541	248	789
Exhibition										
Film Show	2	200	155	355	4	3	7	204	158	362
Method Demonstrations	32	102	78	180	10	8	18	112	96	208
Farmers Seminar	4									
Workshop	6									
Group meetings										
Lectures delivered as resource persons	53	840	360	1200	25	20	45	865	380	1245
Newspaper coverage	105			Mass						
Radio talks	4			Mass						
TV talks	3			Mass						
Popular articles	18			Mass						
Extension Literature	5			1500						
Advisory Services	125	717	325	1042	45	25	70	762	350	1112
Scientific visit to farmers field	71	332	200	532	10	3	13	342	203	545
Farmers visit to KVK	31	614	220	834	12	4	16	626	224	850
Diagnostic visits	15	84	38	122	10	5	15	94	53	147
Exposure visits										
Ex-trainees Sammelan										
Soil health Camp										
Animal Health Camp	1	180	70	250	6	2	8	186	72	258
Agri mobile clinic										
Soil test campaigns										
Farm Science Club Conveners meet										
Self Help Group Conveners meetings										
Mahila Mandals Conveners meetings										
Celebration of important days (specify)	5	210	207	417	15	8	23	225	215	440
Others (pl. specify)										
Total	500									7217

Mass media used for wide publicity

Name of media	Number of events/activity	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
CD/DVD				
Radio talks				
TV talks				
Newspaper coverage				
Kisan Mela				

Extension Litrature				
Internet (Youtube)				
Social media (Whats App, Facebook, Instagram, Twitter etc.)				

Production and supply of Technological products

SEED MATERIALS

Category	Crop	Variety (pl. give the name of variety instead of local)	Quantity (qtl.)	Value (Rs.)	Provided to no. of Farmers/ society	Expected area coverage (ha.)
CEREALS						
OILSEEDS						
PULSES						
VEGETABLES						
FLOWER CROPS						
OTHERS (Specify)						

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
FRUITS						
SPICES						
VEGETABLES	Vegetable seedling		2000			
FOREST SPECIES						

ORNAMENTAL CROPS						
PLANTATION CROPS						
Others (specify)						

Bio-products

S.No	List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Species	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
1	**Bio Fertilizers**	Non Symbiotic Azotobacter						
		Vermicompost						
		Azolla						
		Earthworms						
		Compost						
		Blue Green Algae						
		NADEP						
		Sanjeewani Khad						
		Acetobactor						
		Aspergillius						
		Azatobactor						
		Azospirillum						
		Phosphate solublizing Bacteria						
		Rhizobium						
		Other (pl. sp.)						
2	**Bio-Food**	Spirulina						
		Honey						
		Any Other (pl. sp.)						

S.No	List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Species	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
3	**Bio Pesticides**	Neem extract						
		Neem powder						
		Tobacco extract						
		Trichoderma viride						
		Trichoderma harjinum						
		Trichogramma chilonis						
		Beauveria bassiana						
		Metarhizium anisopliae						
		Pseudomonas fluorescens						
		SlNPV						
		HaNPV						
		GF1						
		Baco Lures						
		Heli Lures						
		Leucin Lures						
		Paeciliomyces						
		Panchagavya						
		Verticillium						
4	**Bio Agents (Tricho card)**	*Trichogramma chilonis*						
		Chrysoperla carnea						
		Tricho card						
		Any other **(Pl. Specify)**						
5	**Bio Agents (Pyrilla parasitoids)**	*Ooincirtus papilionis*						
		Epiricania melanolauca						
6	**Bio Agents(Worms)**	*Eisenia fetida*						

S.No	List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Species	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
		Eudrilus eugeniae						
		Earth worm						
		Any other **(pl. specify)**						
7	**Others**	Mushroom spawn						
		Mineral Mixture						
		Cow dung (dry)						
		Any other **(pl. specify)**						

LIVESTOCK

S.No	Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
					unit (kg/qt./liter/no)	Qty.		
1	**Dairy animals**	Cow						
		Calves						
		Goats						
		Buffaloes						
		Sheep						
		Breeding bull						
		Other **(pl specify)**						
2	**Poultry**	Poultry						
		Japanese quail						
		Japanese quail eggs						
		Ducks						
		Turkey						
		Other						
3	**Piggery**	Piglets						
		Boar						

S.No	Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
					unit (kg/qt./liter/no)	Qty.		
		Sow						
		Other **(pl specify)**						
4	**Fisheries**	Indian carp						
		Exotic carp						
		Other **(pl specify)**						

Literature to be Developed/Published

KVK News Letter

Period	Quarter	Number of copies published	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/ block/Panchayat Official, D.M. etc.
January to March 2023	Q1	500	500	F& FW , RY, District Officials
April to June 2023	Q2	500	500	F& FW , RY, District Officials
July to September 2023	Q3	500	500	F& FW , RY, District Officials
October to December 2023	Q4	500	500	F& FW , RY, District Officials

Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1			
2			
3			

Literature developed/published

Type	Number (please don't give mass please fill number only)	Number of copies printed (please don't give mass please fill number only)
Abstract		
Book		
Book Chapter		
Booklet		
CD/DVD		

Type	Number (please don't give mass please fill number only)	Number of copies printed (please don't give mass please fill number only)
Leaflets/ Folder/ Pamphlet	5	2000
Popular article	18	
Research Paper	4	
Technical Bulletin	4	400
Training Manual		
Technical Report		
Year Planner	4	500 each
Others (pl. specify)		

Activities of Soil and Water Testing Laboratory

Year of establishment: 2012

List of equipments purchased:

Sl. No.	Name of the Equipment	Qty.	Condition
1	Soil testing mini kit	02	Not working due to lack of Soil Scientist
2	Soil testing lab set	01	Not working due to lack of Soil Scientist
3	Pelican Equipment	01	Working
4	Microprocessor Based Digital Photometer	01	Working
5	Digital Conductivity	01	Working
6	Computerized pH meter	01	Working
7	Grinder Willey Type	01	Working
8	Hot air oven	01	Working
9	Electronic Balance	01	Working
10	Automatic voltage stabilizer	01	Working
11	Spectrophotometer	01	Working
12	Electronic Balance	01	Working
13	Hot Plate	01	Working
14	Shaker Make	01	Working
15	Usha Turbo Exhaust	02	Working

Details of Soil samples analyzed:

Soil Testing Kits till date	No of soil samples	No. of Samples analyzed		No. of Farmers benefited		No. of Villages	Amount realize	Soil health card distributed to the farmers by KVK
		by KVKs	By	By KVK	By			

						Departme nt			Departme nt	covere d	d	(Nos)	
Sanctione d	Procure d	Collecte d by KVKs	Provide d by Dept./ DDA	Mini Soil Testin g kit	Soil testing laborator y		Mini Soil Testin g kit	Soil testing laborator y				Throug h Mini Soil Testing kit	Through Soil testing laborator y

Details of water samples analyzed:

No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)

Details of Plant samples analyzed :

No. of Plant Samples analyzed	No. of Farmers	No. of Villages	Amount realized

Footfall of farmers in KVKs (Jan. 2023 to Dec. 2023)

Name of KVK	Footfall during 2023			
	No. of Farmers	No. of officials	No. of VIPs	Total
Shahdol	984	35	3	1022

*** JPEG Photographs (2-3 only)**

Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of advisory sent	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology		15	15	29024	841	841
		Integrated Farming		2	2	29024	841	841
		Field Preparation		2	2	29024	841	841
		Any Other (Specify)						
2	Weather	Advisory		17	17	29024	841	841
		Change in variety						
		Change in Sowing technique						
		Climate forecast		3	3	29024	841	841
		Any Other (Specify)						

S. No.	Thematic area	Particulars	No of Calls	No of advisory sent	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
3	Soil Management	Soil Testing		1	1	29024	841	841
		INM		5	5	29024	841	841
		Fertilizer Application		5	5	29024	841	841
		Vermicomposting/ bio-waste recycling						
		Bio-fertilizer						
		Any Other (Specify)						
4	Disease & Pest Management	Disease Management		19	19	29024	841	841
		Pest Management		12	12	29024	841	841
		Preventive Advisory Disease Management						
		Preventive Advisory Pest Management		7	7	29024	841	841
		Bio-pesticides						
		Any Other (Specify)						
5	Nutrition Security & Women Empowerment	Nutrition Awareness		6	6	29024	841	841
		Kitchen garden						
		Value Addition and Processing						
		Drudgery Reduction						
		Entrepreneurship & Income Generation						
		Advisory		15	15	29024	841	841
		Any Other (Specify)						
6	Horticulture	Vegetable		12	12	29024	841	841
		Fruit						
		Hi Tech Horticulture						
		Any Other (Specify)						
7	Livestock	Feed and Fodder		7	7	29024	841	841
		Dairy Management		2	2	29024	841	841
		Fisheries						
		Poultry Management		3	3	29024	841	841
		Vaccination & Disease management		2	2	29024	841	841
		Any Other(Specify)		3	3	29024	841	841

S. No.	Thematic area	Particulars	No of Calls	No of advisory sent	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
8	Farm Mechanization			7	7	29024	841	841
9	Extension							
10	Organic Farming			5	5	29024	841	841
11	Marketing							
12	Awareness							
13	Other Enterprise							
14	Any Other(Specify)							

Status of KVK Website during Jan to Dec. 2023

Date of start of website	Address of Website	No. of updates during 2023	No. of visitors during 2023	Flag Collected	Year Planner
April 2011	www.jnkvvkvkshahdolarari9.org.in	**12**	**1649**	**-**	**-**

Mobile Apps developed by KVK during 2023

S.No	Name of KVK (Developer)	Name of Host organization	Title of Mobile App	Content (in one line)	Languages (in which app developed)	Number of downloads	Total expenditure incurred in developing app (Rs.)

ICT based module

Information on Whats app in social media by KVK

KVK	Discipline wise group with name of discipline	No of Farmer members	Activity details on whats app group
Shahdol	KVK Shahdol Agro Forestry	129	Awareness creation, Seasonal outbreaks massages
Shahdol	KVK Shahdol & FW	84	Awareness creation, Seasonal outbreaks massages
Shahdol	KVK WCDS	72	Awareness creation, Seasonal outbreaks massages
Shahdol	KVK SDL Agril Engg	118	Awareness creation, Seasonal outbreaks massages
Shahdol	KVK Prog. Farmers	135	Awareness creation, Seasonal outbreaks massages
Shahdol	KVK & Agri. Extension	139	Awareness creation, Seasonal outbreaks massages
Shahdol	KVK GKMS	715	Awareness creation, Seasonal outbreaks massages

Information on social media by KVK

KVK	Facebook			Twitter		Instragram	
	Scientists linked	Farmers connected	No of Post	No of tweets	People following	No of share	People following
Shahdol	06	3364	53	46	220	-	-

DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Shahdol	Gosthies	5	136	
	Lectures organized	5	136	
	Exhibition			
	Film show	2	136	
	Fair			
	Farm/ Field Visit	2	48	
	Diagnostic Practical's	1	48	
	Distribution of Literature (No.)	2	136	
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Distribution of Bio Fertilizers (q)			
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			
	Animal health camp	5	136	
	Awareness programme	1	47	
	Demonstration			
	Exposure visit			
	Ex-trainees Meet			
	Farmer scientist interaction			
	Farmers Training			
	Gajarghans Unmulan Pakhwada			
	Group Meeting	1	26	
	Jai Kisan Jai Vigyan Sangoshthi			
	Plant Protection Week			
	Seed treatment campaign			
	Self Help Group convener meet			
	Soil health Camp			
	Swachha Bharat Abhiyan	4	94	
	Celebration of important days (Parthenium	4	74	

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
	eradication week, Swachhata Abhiyan, International Women Day, National Integrity Day,World Soil Health Day, World environment day, World forestry day, World Water Day)			

Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Shahdol	Dr. Mrigendra Singh	Sr. Scientist & Head	4	
	Dr. (Smt.) A. Sharma	Scientist	05	
	Dr. B. K. Prajapati	Scientist	2	
	Sh. Deepak Chouhan	Scientist		
	Sh. B. P. Pandre	Programme Assistant	2	

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Shahdol	4	13

Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Shahdol	Dr. Mrigendra Singh	Sr. Scientist & Head	3	
	Dr. (Smt.) A. Sharma	Scientist	02	
	Dr. B. K. Prajapati	Scientist	2	
	Sh. Deepak Chouhan	Scientist		
	Sh. B. P. Pandre	Programme Assistant		

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Shahdol	3	7

Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)
Shahdol	Dr. Mrigendra Singh	Sr. Scientist & Head			
	Dr. (Smt.) A. Sharma	Scientist	02	11/07/2023 to 23/08/2023, 16/08/2023 to	agMOOCs Online Course on Agricultural Statistics in Practice, Online Short Course on Recent Advances in Millets Crop Production, Processing, Value Addition and

				25/08/2023	Marketing conducted by ICAR- IIMR, Hyderabad (Telengana)
	Dr. B. K. Prajapati	Scientist			
	Sh. Deepak Chouhan	Scientist			
	Sh. B. P. Pandre	Programme Assistant			

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Shahdol	1	2

Information for TSP Jan-Dec 2023

Sl. No.	Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
	No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person	On-farm trials	Frontline demos	Mobile agro-advisory to farmers						
1	30	30															

39. Information for SCSP Jan-Dec 2023

Sl. No.	Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
	No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person	On-farm trials	Frontline demos	Mobile agro-advisory to farmers						

40. Information for KSHAMTA Jan-Dec 2023

Sl. No.	State	Name of KVK	Number of Adopted Villages	No. of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training

Activities in Nutri-Smart Village during Jan-Dec 2023

Information about Nutri-Smart Village

Name of KVK	Block	Name of Nutri Smart Village
Shahdol	**Sohagpur**	**Kunarseja**

1. Technologies Assessed (OFT) in Nutri Smart Village

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area	No. of beneficiaries
Shahdol	Nutritional Garden (activity in no. of Unit) **(m^2)**				
	Bio-fortified Crops (activity in no. of Unit) **(ha)**	Assessment of suitability of CR Dhan -310 to improve the nutrition status of the farm family	01	0.5 acre each	05
	Value addition (activity in no. of Unit/Enterprise)	Assessment of income generation of farm family by value added oyster mushroom	01		16
	Other Enterprises (activity in no. of Unit/Enterprise)				
	Income generation (activity in no. of Unit/Enterprise)				
	Drudgery reduction (activity in no. of Unit/ Enterprise)				
	Other	Assessment of malted sattu (Sprouted chick pea+ sprouted wheat) for Malnourished Children	01		19
		Assessment of drumstick (Moringa oleifera) dry leaf	01		09

		powder as daily dietary supplement for anemic adolescent girls			

2. **Technologies Demonstrated (FLD) in Nutri Smart Village**

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area	No. of beneficiaries
Shahdol	Nutritional Garden (activity in no. of Unit) **(m^2)**	Demonstration on Nutritional Kitchen Garden	01	250 sqm	12
	Bio-fortified Crops (activity in no. of Unit) **(ha)**				
	Value addition (activity in no. of Unit/Enterprise)				
	Other Enterprises (activity in no. of Unit/Enterprise)				
	Income generation (activity in no. of Unit/Enterprise)	Demonstration on income enhancement through mushroom production	01		20
	Income generation (activity in no. of Unit/Enterprise)	Demonstration on income enhancement of FW through Backyard Poultry Farming	01		05
	Drudgery reduction (activity in no. of Unit/Enterprise)				
	Other	Demonstration on Paushtik chappatti			14

3. **Training Programme conducted in Nutri Smart Village**

Name of KVK	Training Title	No. of Courses	Duration (Days)	Gen		SC		ST		Other		Total
				M	F	M	F	M	F	M	F	
Shahdol	Importance of traditional foods made from coarse millets for nutritional security of farm families,	01	01	1	0	0	4	0	22	0	7	34
Shahdol	Nutritive importance of millets	01	01	-	-	-	5	5	9	-	1	20
Shahdol	Preparation of malted sattu	01	01	-	3	-	-	3	8	-	18	32
Shahdol	Mushroom production technology and its value addition	01	01	0	1	0	0	0	19	0	1	21
Shahdol	Care and nutrition of adolescent girl	01	01	0	6	0	1	0	11	0	8	26
Shahdol	Care and nutrition of adolescent girl	01	01	0	2	0	0	0	17	0	5	24

Shahdol	Importance of First 1000 Days and sanitation and Hygiene for healthy living,	01	01	-	6	-	1	-	5	-	10	22
Shahdol	Oyster mushroom production	01	01	-	1	-	-	-	5	-	16	22

4. Extension Activities in Nutri Smart Village

Name of KVK	Activity	No. of activities	SC		ST		Other		Officials		Total
			M	F	M	F	M	F	M	F	
Shahdol	Parthenium eradication campaign	01	03	2	10	38	9	10	1	5	78
Shahdol	Poshan Pathshala	03	02	0	2	28	1	19	2	3	57
Shahdol	Swachhta Awareness programme	02	2	5	20	44	5	30	2	5	113
Shahdol	Poshan Maah .	03	3	4	21	32	5	39	3	8	115
Shahdol	Poshan advisory	03	3	2	18	48	6	19	2	4	102

LINKAGES

Functional linkage with different organizations

Name of organization	Nature of linkage
Department of Agri. And farmers welfare	Technical support
ATMA	Technical support
Department of Horticulture	Technical support
Department of Veterinary Sciences	Technical support
Department of Fisheries	Technical support
M.P. Agro	Supply of agricultural input
Department of Agril. Engg.	Technical support
Soil Testing Department	Collaboration for recommendation on Soil test base nutrient application
DMO	Supply of fertilizer

Details of linkage with ATMA / NFSM

a) **Is ATMA implemented in your district** Yes/No

Name of Programme	Nature of linkage
Demonstration	Technical support, Preparation of package of practices
Training and field visit	Technical guidance

Give details of programmers implemented under National Horticultural Mission

Name of Programme	Nature of linkage

Flagship programmes implemented at KVK

(NICRA, ARYA, Natural farming, CBBO, Seed Hub, Agri Drone etc)

Name of Flagship programmes

Month	Activity details	Beneficiaries/Area/Coverage

Crop Cafeteria

Total Area of Crop cafeteria: 200 Sq m

Crop	Season	Variety	Particulars /details	Area (Sq m)
Blackgram	Summer	Mukundra Urd-2 (KPU 405)		
Blackgram	Summer	PU-35		
Greengram	Summer	MH-421		
Greengram	Summer	IPM 205-7(Virat)		
Clusterbean	Summer	GC -I		
Cowpea	Summer	Kashi Shyamal		
Cowpea	Summer	Kashi Gauri		
Bhindi	Summer	Kashi Mohini		
Bhindi	Summer	Kashi Lila		
Brinjal	Summer	Kashi Taru		
Brinjal	Summer	Kashi Sandesh (VRBHR-1)		
Sesame	Kharif	GT-4		
Sesame	Kharif	Suprava (CUMS-17)		
Black gram	Kharif	Mukundra Urd-2 (KPU 405)		
Black gram	Kharif	PU-35		
Greengram	Kharif	MH-421		
Greengram	Kharif	IPM 205-7(Virat)		
Soybean	Kharif	Jawahar Soybean (JS 20- 98)		
Soybean	Kharif	CG-1		
Maize	Kharif	JM- 218		
Maize	Kharif	Pusa Jawahar Hybrid Maize-1		
Kodo	Kharif	JK-137		
Kodo	Kharif	JK-41		

Kutki	Kharif	JK-4		
Kutki	Kharif	JK- 36		
Chickpea	Rabi	JG-36		
Chickpea	Rabi	JG- 14		
Linseed	Rabi	Jawahar Linseed Sagar-95 (JLS-95) (SLS-95)		
Linseed	Rabi	Utera Alsi (RLC-143)		
Lentil	Rabi	RVL-31		
Lentil	Rabi	Kota Masoor- 1		
Mustard	Rabi	PM- 30		
Mustard	Rabi	NRCHB- 101		
Wheat	Rabi	HI- 8759		
Wheat	Rabi	HI- 1605		
Tomato	Rabi	Arka Rakshak		
Tomato	Rabi	H-86 (Kashi Vishesh)		

Details of Demonstration Unit at KVK

Demonstration Unit	**Particulars /details**	**Area (**Sq m)	**Output /Production**
Vermicompost Unit	Vermicompost	4.5	10 q
Azolla Unit	Azolla	4	200 kg
Polyhouse	Off season vegetables	300	Broccoli 1q, cucumber 1q
Mist Chamber	Seedlings and saplings	100	Vegetable seedlings 2000
Green House	Off season vegetables	300	
Meadow Orchard	Guava- Allahabad Safeda	500	620 Kg
High Density Orchard	Mango- Amrapali	1700	680 Kg
Poultry	Kadaknath & Narmada Nidhi	30	100 Chicks.
NADEP	Raw Material and Cow dung	20	03 -05q.

Success stories/Case studies identified for development as a case: …….(no.)

Success stories/Case studies – (best two only in the following format in separate file attached)

Name of the KVK	
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	
Photographs (2-3 Photographs	

with caption in .jpeg format)	

Indicate the specific training need analysis tools/methodology followed for(Viz PRA, AES, line dept, ex trainees, interface,)

S. No.	Training	Need analysis tools/methodology followed
1	Identification of courses for farmers/farm women	PRA
2	Rural Youth	PRA
3	In-service personnel	PRA
4	methodology for identifying OFTs/FLDs	PRA, AES
5	Matrix ranking	PRA

Field activities

Name of villages identified for adoption with block name:

S.No.	Name of Village	Name of Block	Distance of village from KVK (Km)
1	Rohaniya	Sohagpur	20
2	Nipaniya	Sohagpur	12
3	Baigaiha	Sohagpur	22
4	Jalditola	Burhar	34
5	Sinduri, Bharri	Sohagpur	18
6	Pathra	Sohagpur	36
7	Sigudi	Sohagpur	38
8	Amraha	Sohagpur	40
9	Dadratola	Sohagpur	30
10	Kuvarseja	Sohagpur	56

1. No. of farm families selected per village : 20-40
2. No. of survey/PRA to be conducted: completed

Well labeled Photographs in .jpeg format with high resolution (300 dpi)of each activity of the KVK. (Separately) (pl don't paste photo in word file)