ANNUAL PROGRESS REPORT
January 2022 to December 2022

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	KVK Shahdol	9425183232	mrigendra1968@gmail.com

1.2 Staff Position on (31th Dec.2022)

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 (177400)	01-02-2007	01-02-2007	9425183232	mrigendra1968@gmail.com	
2	Subject Matter Specialist	Smt. Alpana Sharma	Scientist	Home Science	15600-39100 Level12 (107200)	13-07-2007	19-07-2010	9301111646	alpanasanu@rediffmail.com	
3	Subject Matter Specialist	Dr. Braj kishor Prajapati	Scientist	Agronomy	15600-39100 Level10 (66800)	12-09-2017	20-09-2021	9012012068	Brajkishorprajapati1@gmail.com	
4	Subject Matter Specialist	Sh. Deepak Chouhan	Scientist	Agricultural Engineering	15600-39100 Level10 (66800)	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 Assistant	Shri Bhagwat Prasad Pandre	P A Agroforestry	Agro forestry	9300-34800Level 10(46700)	28-01-2019	28-01-2019	7697024787	29bhagwatpandre@gmail.com	
9	Computer Programmer/ Programme Assistant	Shri Rishiraj Negi	Tech Officer Computer	Computer	9300-34800Level 10(68000)	04-04-2008	04-04-2008	9424335040	rishirajnegi@gmail.com	
10	Farm Manager									
11	Assistant	Smt. Asha Shrivatava	Asstt. Grade II	Asstt. Grade II	9300-34800Level 8(52500)	12-08-1996	12-08-1996	9977170453	kvkshahdol@rediffmail.com	
12	Jr. Stenographer / Comp. Operator	Smt. Abha Shyam	Lab Technician	Lab Technician	9300-34800Level 8(34100)	31-07-2003	26-08-2021	9981694669	kvkshahdol@rediffmail.com	

13	Driver	Shri Badri Prasad Yadav	Driver cum Mechanic	Driver	5200-20200Level 6(31200)	02-02-1999	07-07-2008	9424931288	kvkshahdol@rediffmail.com	
14	Driver	Shri Biran Prasad Pradhan	Driver cum Mechanic	Driver	5200-20200Level 4(21900)	12-07-2018	12-07-2018	9981070716	kvkshahdol@rediffmail.com	
15	Supporting staff	Shri Kamlesh Kol	Peon	Peon	4440-7440 Level 1 (21500)	26-11-2012	06-11-2019	6266836323	kvkshahdol@rediffmail.com	
16	Supporting staff	Vacant								

1.3 Total land with KVK (in ha):13.28

S. No.	Item	Area (ha)
1	Under Buildings	0.3
2	Under Demonstration Units	0.7
3	Under Crops	0.005
4	Orchard/Agro-forestry	28
5	Others (specify)	-
Total		**13.28**

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 (Power Tiller)				
Tractor (Power Tiller)	2004	450000	-	Under use but needs major repair
Motor Cycle 2	2005	50000	88192	Working but require frequent repair

Bolero(Jeep)	2012	501521	246037	Working but require frequent repair
Other (Pl. specify)				

C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Projector	2007	58488	Working
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 2022	No. of SAC members (only) attended	Major action points*
KVK Shahdol	**05.08.2022**	**38**	

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	Paddy-wheat in cereal, Pigeonpea and Chickpea in pulses and sesame – mustard in oilseed are major crops of Kharif and Rabi
2	AES – 2	Indigenous breeds of dairy animals are rearing with agriculture
3	AES – 3	Mahua, jamun and Aonla are the major NTFS collected.
4	AES – 4	Growing vegetables mostly in backyard
5	AES – 5	Indigenous breeds
6	AES – 6	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 Zone – XI (Northern hilly zones of Chhattisgarh Region)

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

Add AES if need

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	187.268
Rabi	84.000
Zaid	
Cropping Intensity	145 %

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, 2022- Dec., 2022)

Month /Year	Rainfall (m.m.)	Temperature (^{0} C)	
		Maximum	Minimum
Jan, 22	21.3	28	11
Feb, 22	7.5	30	8
Mar, 22	0	33	13
Apr, 22	0	43	20
May, 22	6	44	23
Jun, 22	95.7	45	23
July, 2022	160.3	36	24
Aug., 2022	156.8	36	25
Sept., 2022	117	35	23
Oct. 2022	42.6	31	21
Nov. 2022	0	32	13
Dec. 2022	0	28	7

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

Details of Operational area / Villages (2022)

Sl. No.	Tehsil	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Burhar	Burhar	Balbahra Girwa Dholku Bhatiya Jarwahi Sabo Jalditola	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
2	Gohparu	Gohparu	Umariya Khamha			
3	Jaisinghnagar	Jaisinghnagar	Meethi			
4	Sohagpur	Sohagpur	Kunarseja Chatha Pathra Amraha Bhamraha Madwa Samatpur Pachdi Dadratola Lamro Majhgawan			

						• Development of rural entrepreneurship for income and employment generation

Priority / Thrust areas

S. No.	Particulars
1.	Crop improvement and diversification
2.	Seed replacement
3.	Pest management through
4.	Integrated plant nutrient management
5.	Water and soil conservation
6.	Promotion of rural entrepreneurship for additional income generation and employment generation
7.	Livestock Production & Management
8.	Annual house hold nutritional security
9.	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
18	123	11+120 ha	71+300

Training		Extension Activities	
		4	
Number of Courses	Number of Participants	Number of activities	Number of participants
101	3395	550	7147

Seed Production (Qtl.)	Planting material (Nos.)
	Vegetable seedling – 20,000, Napier grass slip- 4000, Vermicompost- 2000Kg, Azolla- 200 Kg, Earthworm- 10 kG

B. Abstract of interventions undertaken

S. No.	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT	Titl e of FLD	Titl e of Trai ning	Title of train ing for exte nsio n pers onne l	Exte nsio n activ ities	Suppl y of seeds, planti ng mate rials etc.
1	Crop Produc tion	Weed Management in Wheat	Heavy loss due to weed infestat ion	Assessment of Integrated weed management (criss cross sowing +sulfosulfuron 75%+Metsulfuron 5%) in wheat crop					Wee dicide
		Utera crops under rice-fallow	No crop in Rabi	Assessment of utera crops under rice- fallow land of Shahdol District					Seeds
		Chickpea (RVG 202)			Demonst ration of HYV of chickpea (RVG 202) with line sowing under Rice-Chickpe a cropping system				Seeds
		Paddy (JR 206)			Demonst ration of HYV of paddy (JR 206) under Rice-Chickpe a cropping system				Seeds
2	ITK	Tomato	Low income of tomato farmer s due to root rot and dampin g off disease	Assessment of Disease management in tomato by using leaf extract of Cynodon dactylon					
		Paddy	Low yield of old	Assessment of cow dung spray to control BLB in paddy crop					Seeds

			Paddy varieties like kansari, barhai, surmatiya due to BLB infestation						
			Low yield of Paddy due to high infestation of leaf folder	Assessment of Kerosene to control leaf folder in rice.					Seeds
		Rain water management for Teak, Mango and Neem	Lower survival of plantation crop in rain feed area due to erratic rainfall	Assessment of Rain water management for Teak, Mango and Neem in arid and semi-arid regions (ITK)					Planting material
3	Farm Mechanization	Zero seed cum fertilizer drill, Ridge furrow seed cum fertilizer drill	Field preparation requires 2- 3 times tractor drawn cultivator resulting in time and money loss	Assessment of Zero tillage in wheat sowing	Ridge furrow seed cum fertilizer drill for sowing chickpea				Machine for operation
		Vegetable transplanter	More labour required for transplanting of vegetable seedling. Also, in case of	Assessment of manually operated single row vegetable transplanter for vegetable seedling in Hi-Tech horticulture					Machine for operation

			mulch it is very tedious and requires more time for transplanting						
4	Agro Forestry	Agro Forestry Model	Non Availability of suitable Agro Forestry Model based on soil & climate	Assessment of Agro Forestry Model based on soil & climate Shahdol Region.					
		Agri-silviculture system.	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.					Seeds
		Agri-Olericulture System.	No crop grown between spacing of mango tree.	Assessment of Brinjal/Tomato under 2 year old mango tree based Agri-Olericulture System.					Seeds
		Silvi-pasture system			Demonstration of High Yielding Variety of (Napier grass-IGFRI 3) Fodder Production under Silvi-pasture system.				Planting material
					Demonst				Seeds

					ration of High Yielding Fodder Production (African tall/Maize grass) under Silvi-pasture system.				
		Agri-horticulture system			Demonstration of High Yielding Variety (Roma) Turmeric based Agrihorticulture System by Growing Turmeric under the shade of Fruit tree.				Planting material
5	Animal Science	Azolla feeding as green fodder, Berseem feeding to milch animals	Low milk production from cow due to unavailability of green fodder	Assessment of Azolla feeding as green fodder on milk production in dairy Cow	Demonstration of Berseem to stall feeding for Milchcattles				Azolla culture , Seeds
6	IFS	Rice-wheat/chickpea +Poultry birds (Narmada nidhi/Kadaknath)+compost production	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					Poltrty birds
		Paddy -wheat system+Pond +Duck (White Pekin/Khaki campell)	Low income of farm family due to less diversi	Assessment on diversification of farm through Duck-fish based integrated farming system for small and marginal farmers					Duck

			fication of farm						
7	Home Science	Income generation	Low income of FW	Assessment of income enhancement through Mushroom production	Demonstration on income enhancement through mushroom production				Mushroom spawn polythene Bavistin formalin
					Demonstration on income enhancement of FW through vermicompostin g				Earth worms
					Demonstration on income enhancement of FW through nursery raising				Seeds
		Nutritional security	Nutritional insecurity of preschool childre n	Assessment of nutritional enhancement of preschool children through incorporation of paushtik chapatti (fortification of Kodo flour, chickpea flour drumstick leaf leaf powder to wheat flour) in their diet					Seeds
			Malnutrition due to high anemia in rural adolescent girls	Assessment of drumstick (Moringa oleifera) dry leaf powder as daily dietary supplement for anemic adolescent girls					Drumstick leaf powder
			High magnitude of malnutrition among farm families	Assessment of suitability of CR Dhan -310 to improve the nutrition status of the farm family	Demonstration on Nutritional Kitchen Garden				Seeds

Technologies assessed

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Crop Production	1		1							**2**
ITK	2				1			1		**4**
Farm Mechanization	1				1					**2**
Agroforestry	1				1			1		**3**
Home Science	2				1			1(Mushroom)		**4**
TOTAL	**7**		**1**		**4**			**3**		**15**

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Feed Management	01							**01**
IFS		01				01 (Duckery)		**02**
TOTAL	**01**	**01**				**01**		**03**

Detailed Information about OFT:

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Agricultural Engineering
Title of on-farm trial:	Assessment of Zero tillage in wheat sowing
Year/Season:	2021-22/Rabi
Farming situation:	Semi-Irrigated
Problem diagnosis:	Field preparation requires 2- 3 times tractor drawn cultivator resulting in time and money loss
Thematic area:	Resource Conservation
No of trials:	05
No. of farmers involved	15
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Conventional Tillage
T2 –Recommended Practice-	No Tillage
T3- Recommended Practice-	
Date of sowing:	10/11/2021
Date of harvesting:	20/03/2022
Source of technology:	PAU Ludhiana, 2008
Characteristics of technology:	Zero seed cum fertilizer drill
Name of Crop/Enterprises:	Zero seed cum fertilizer drill
Recommendations for Farmers	Conventional Tillage
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)	Labour Requirement	(man-hr./ha),	9.55, 0.52,	29150	78705	49555	2.7

	Field capacity Operational Cost Energy Requirement	(ha/hr), (Rs./ha or Rs./hr), (MJ/ha)	6500, 3245.7				
T2(Recommended Practice)	Labour Requirement Field capacity Operational Cost Energy Requirement	(man-hr./ha), (ha/hr), (Rs./ha or Rs./hr), (MJ/ha)	5.78, 0.37, 2650, 2199.8	26420	88243	61823	3.34
T3(Recommended Practice)							

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Agricultural Engineering
Title of on-farm trial:	Assessment of manually operated single row vegetable transplanter for vegetable seedling in Hi-Tech horticulture
Year/Season:	2021-22/Rabi
Farming situation:	Semi-Irrigated
Problem diagnosis:	More labour required for transplanting of vegetable seedling. Also, in case of mulch it is very tedious and requires more time for transplanting
Thematic area:	Vegetable cultivation Farm Mechanization
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Manually transplanting
T2 –Recommended Practice-	Single row vegetable transplanter
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	CIAE Bhopal (2017)
Characteristics of technology:	Single row vegetable transplanter
Name of Crop/Enterprises:	Single row vegetable transplanter
Recommendations for Farmers	Single row vegetable transplanter highly beneficial for vegetable growing farmer
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)	Labour Requirement Field capacity Field Efficiency	man-hr ha/hr % Rs/ha %	65 0.018 39 2000 22	67992	245450	1,79,000	3.61

	Operational Cost Percent of mortality						
T2(Recommended Practice)	Labour Requirement man-hr Field capacity(ha/hr) Field Efficiency Operational Cost Percent of mortality	man-hr ha/hr % Rs/ha %	29.5 0.05 78 900 10	65346	283600	2,19,400	4.34
T3(Recommended Practice)							

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 Integrated weed management (criss cross sowing +sulfosulfuron 75%+Metsulfuron 5%) in wheat crop
Year/Season:	2021-22/Rabi
Farming situation:	Semi-Irrigated
Problem diagnosis:	Grain loss due to heavy weed infestation
Thematic area:	Crop production
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Manual Weeding
T2 –Recommended Practice-	Post emergence herbicide (crisscross sowing +sulfosulfuron 75%+Metsulfuron 5% (30+2 g/ai/ha)) in wheat crop
T3- Recommended Practice-	
Date of sowing:	20/11/2021
Date of harvesting:	30/3/2022
Source of technology:	(Report of DWR, 2018) and (Pocket Bulletin of DWR, 2009)
Characteristics of technology:	Post emergence herbicide (crisscross sowing +sulfosulfuron 75%+Metsulfuron 5% (30+2 g/ai/ha)) in wheat crop
Name of Crop/Enterprises:	Post emergence herbicide (crisscross sowing +sulfosulfuron 75%+Metsulfuron 5% (30+2 g/ai/ha)) in wheat crop
Recommendations for Farmers	Recommended
Recommendations for Deptt. Personnel	Recommended
Feedback	More effective control of grassy, broad and sedges weeds

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 Weed density (90	(cm) No/ Sq m (q/ha)	71.2,18,33	28215	52800	24585	1.87

	DAS) Yield						
T2(Recommended Practice)	Plant Height Weed density (90 DAS) Yield	(cm) No/ Sq m (q/ha)	80.6,12,37	26856	59200	32344	2.20

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 utera crops under rice- fallow land of Shahdol District
Year/Season:	2021-22/Rabi
Farming situation:	Semi-Irrigated
Problem diagnosis:	No crop in Rabi
Thematic area:	Crop production
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Rice-fallow
T2 –Recommended Practice-	Rice-lathyrus (40 kg/ha),Rice-Field pea (45 kg/ha),Rice-linseed (30 kg/ha) Rice-Lentil (45 kg/ha)
T3- Recommended Practice-	
Date of sowing:	19/10/2021
Date of harvesting:	11/3/2022
Source of technology:	(Saha, 2007) and (Samant, 2003)
Characteristics of technology:	Rice-lathyrus (40 kg/ha) Rice-Field pea (45 kg/ha) Rice-linseed (30 kg/ha) Rice-Lentil (45 kg/ha)
Name of Crop/Enterprises:	Rice-lathyrus (40 kg/ha) Rice-Field pea (45 kg/ha) Rice-linseed (30 kg/ha) Rice-Lentil (45 kg/ha)
Recommendations for Farmers	Recommended
Recommendations for Deptt. Personnel	Recommended
Feedback	Benefit of additional income

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)
Farmers Practice	Yield	q/ha	-	-	-	-	-
Rice-lathyrus	Yield	q/ha	2.9	8500	22600	13300	2.37
Rice-field pea	Yield	q/ha	3.8	9500	29450	14300	2.68
Rice-linseed	Yield	q/ha	3.3	8100	21400	14110	2.66
Rice-Lentil	Yield	q/ha	2.7	9300	22150	12300	2.32

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agro forestry/Agri Engineering/Animal Science/ Fisheries etc)	Agro forestry

Title of on-farm trial:	Assessment of Agro Forestry Model based on soil & climate Shahdol Region.
Year/Season:	2021-22/ Rabi
Farming situation:	Irrigated
Problem diagnosis:	Non Availability of suitable Agro Forestry Model based on soil & climate
Thematic area:	Agro Forestry
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 Plantation of trees on bund & fallow lands
T2 –Recommended Practice-	*Moringa Oliefera + Rabi Crops*
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	JNKVV, 2018
Characteristics of technology:	*Moringa Oliefera + Rabi Crops*
Name of Crop/Enterprises:	*Moringa Oliefera + Rabi Crops*
Recommendations for Farmers	Recommended
Recommendations for Deptt. Personnel	-
Feedback	Good Technology for Farmer

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)	Yield	q/ha	13	26500	67990	41490	2.5
T2(Recommended Practice)	Yield & Drumstick Pod	q/ha	11+9	28400	57530+45000 =102530	74130	3.6
T3(Recommended Practice)	-	-	-	-	-	-	-

Name of Discipline (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Animal Science
Title of on-farm trial:	Assessment of Azolla feeding as green fodder on milk production in dairy Cow
Year/Season:	2021-22/Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low milk production from cow due to unavailability of green fodder
Thematic area:	Feeding management
No of trials:	10
No. of farmers involved	20
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Feeding of cow with wheat and Paddy straw without supplementation of green fodder
T2 –Recommended Practice-	T_1 + Azolla @ 1.5 Kg /animal/day
T3- Recommended Practice-	
Date of sowing:	

Date of harvesting:	
Source of technology:	
Characteristics of technology:	Feeding of cow with wheat and Paddy straw + Azolla @ 1.5 Kg /animal/day
Name of Crop/Enterprises:	Use of Azolla as green fodder
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name and 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)	Milk Yield (Lit/day/animal)	5.0	5500	9000	3500	1.64
T2(Recommended Practice)	Milk Yield (Lit/day/animal)	6.5	5750	10500	4750	1.83
T3(Recommended Practice)						

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	ITK
Title of on-farm trial:	Assessment of Disease management in tomato by using leaf extract of Cynodon dactylon
Year/Season:	Rabi/ 2021-22
Farming situation:	Irrigated
Problem diagnosis:	Low income of tomato farmers due to root rot and damping off disease
Thematic area:	ITK
No of trials:	05
No. of farmers involved	15
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No plant protection measure used
T2 –Recommended Practice-	IDM in tomato by using leaf extract of Cynodon dactylon
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	TNAU, Coimbatore (Tamil Nadu), Traditional Knowledge in Agriculture (2020). Division of Agricultural Extension, ICAR, New Delhi. pp-14
Characteristics of technology:	Root rot and damping off in tomato is controlled by applying Cynodon leaf extract. at fortnight interval
Name of Crop/Enterprises:	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 and 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)	Disease incidence	190.00	150000	712500	562500	4.75

	(%)– 36.80					
T2(Recommended Practice)	Disease incidence (%)– 14.80	265.00	152500	783850	631350	5.14
T3(Recommended Practice)	-	-	-	-	-	-

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	ITK
Title of on-farm trial:	Assessment of cow dung spray to control BLB in paddy crop
Year/Season:	Kharif 2022
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:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Chemical application (plantomycine or streptomycin 25-30gml/acre)
T2 –Recommended Practice-	Spray of Cow dung (Spray at 7-10 days interval) 2kg/10 li water
T3- Recommended Practice-	
Date of sowing:	22/7/2022
Date of harvesting:	23/11/2022
Source of technology:	TNAU, Coimbatore (2014)
Characteristics of technology:	
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	Effective control of BLB
Recommendations for Deptt. Personnel	Recommended
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,Percent disease severity after 60 DAS	cm,No/sqm ,%,Yield	74,11,24, 37	36164	76220	40,056	2.01
T2(Recommended Practice)	Plant height, No. of affected plants,Percent disease severity after 60 DAS	cm,No/sqm ,%,Yield	71,17,26, 35.5	34249	73130	38,881	2.10

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri	ITK

Engineering/Animal Science/ Fisheries etc)	
Title of on-farm trial:	Assessment of Kerosene to control leaf folder in rice.
Year/Season:	Kharif 2022
Farming situation:	Irrigated
Problem diagnosis:	Low yield of Paddy due to high infestation of leaf folder
Thematic area:	ITK (Crop production)
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Chemical application (Chlorpyriphos 50 %+ Cypermethrin 5% EC)
T2 –Recommended Practice-	Spray of Kerosene 5 litre/ha +soap application
T3- Recommended Practice-	
Date of sowing:	20/7/2022
Date of harvesting:	21/11/2022
Source of technology:	Cross sectoral validation of Indigenous Technical Knowledge 2004 ICAR, New Delhi
Characteristics of technology:	
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	Effective but unavailability of Kerosene
Recommendations for Deptt. Personnel	Effective but unavailability of Kerosene
Feedback	More effective to control of leaf folder but unavailability of Kerosene

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, Yield	cm, No/sqm, q/ha	72, 11, 36	35891	74160	38269	2.06
T2(Recommended Practice)	Plant height, No. of affected plants, Yield	cm, No/sqm, q/ha	69, 15, 34	33247	70040	36793	2.09

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 on diversification of farm through poultry based integrated farming system for small and marginal farmers
Year/Season:	2021-22/Rabi
Farming situation:	Irrigated/Rainfed
Problem diagnosis:	Low income of farm family due to less diversification of farm
Thematic area:	Integrated Farming System
No of trials:	05
No. of farmers involved	05
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/Kadaknath)+compost production
Date of sowing:	Round the year
Date of harvesting:	Round the year
Source of technology:	ICAR-IIFSR, Modipuram (2016)
Characteristics of technology:	
Name of Crop/Enterprises:	Rice, wheat, Kadaknath, 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 (Wheat-Rice)	Net income	Rs	83480 2.3	64100	147580	83480	2.3
T2(Wheat-Rice+ 25 No.Kadaknath+Compost)	Net income	Rs	115030 2.61	71250	186280	115030	2.61

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 on diversification of farm through Duck-fish based integrated farming system for small and marginal farmers
Year/Season:	2021-22/Rabi
Farming situation:	Semi-Irrigated
Problem diagnosis:	Low income of farm family due to less diversification of farm
Thematic area:	Integrated Farming System
No of trials:	05
No. of farmers involved	05
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 -wheat system+Pond+Duck (White Pekin/Khaki campell)
T3- Recommended Practice-	
Date of sowing:	Round the year
Date of harvesting:	Round the year
Source of technology:	ICAR-IIFSR, Modipuram (2016
Characteristics of technology:	
Name of Crop/Enterprises:	
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	Average Gross Return	Average Net Return	Benefit-Cost Ratio (Gross

				(Rs/ha)	(Rs/ha)	(Rs/ha)	Return / Gross Cost)
Wheat-Rice system)+Pond size (0.5 acre)	Net income	Rs B:C	134905 2.48	90675	225580	134905	2.48
Wheat-Ricesystem+Pond (0.5 acre) +Duck (25 No.)	Net income	Rs B:C	144955 2.55	93250	238205	144955	2.55

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agro forestry/Agri Engineering/Animal Science/ Fisheries etc)	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:	2022/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 2022
Date of harvesting:	10 Nov.2022
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	Recommended to the Farmer.
Recommendations for Deptt. Personnel	-
Feedback	Good Technology to the Farmer.

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)	Yield	q/ha	22	27400	44880	16760	1.63
T2(Recommended Practice)	Yield	q/ha	30	29200	61200	32000	2.09
T3(Recommended Practice)	-	-	-	-	-	-	-

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Agro forestry
Title of on-farm trial:	Assessment of Brinjal/Tomato under 2 year old mango tree based Agri-Olericulture System.
Year/Season:	2022/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:	25 June 2022
Date of harvesting:	20 Nov.2022
Source of technology:	Annual report of CAFRI, Jhansi, 2020
Characteristics of technology:	Higher monetary return, Nutritional security
Name of Crop/Enterprises:	Brinjal/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)	Yield	(q/ha)	130	40100	65000	24900	1.62
T2(Recommended Practice)	Yield	(q/ha)	145	40300	85000	44700	2.15
T3(Recommended Practice)	-	-	-	-	-	-	-

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Agro forestry
Title of on-farm trial:	Assessment of Rain water management for Teak, Mango and Neem in arid and semi-arid regions (ITK)
Year/Season:	Kharif 2022
Farming situation:	Rainfed
Problem diagnosis:	Lower survival of plantation crop in rain feed area due to erratic rainfall
Thematic area:	Resource conservation
No of trials:	05
No. of farmers involved	12
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	No such water conservation measures.
T2 –Recommended Practice-	Making of micro-depressions around the basin of the plant
T3- Recommended Practice-	-
Date of sowing:	-
Date of harvesting:	-
Source of technology:	Forest Research College, Mettupalayam (Tamil Nadu), *Traditional Knowledge in Agriculture (2020). Division of Agricultural Extension, ICAR, New Delhi. pp-2*

Characteristics of technology:	Soil moisture-conservation practices by making micro-depressions around the basin of the plant
Name of Crop/Enterprises:	Mango, Neem - Micro-depressions around the basin of the plant (ITK method)
Recommendations for Farmers	Recommend
Recommendations for Deptt. Personnel	-
Feedback	Good Technology to the Farmers.

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)	Mortality	Percentage (%)	25-30	-	-	-	-
T2(Recommended Practice)	Mortality	Percentage (%)	11-13	-	It will come after 5-7 Year	-	-
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:

Title of on-farm trial:	Assessment of income enhancement through Mushroom production
Year/Season:	2021-22/Rabi
Problem diagnosis:	Low income of FW
Thematic area: (Focus area in DFI and nutri smart initiatives)	Income generation
No of trials:	10
No. of farmers/farm women involved	25
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	No mushroom production

T2 –Recommended Practice-	Oyster Mushroom Production
Source of technology:	JNKVV 2004
Characteristics of technology:	
Name of Crop/Enterprises:	Enterprise – Mushroom production
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) Enterprises wise

Name of Enterprise : -Mushroom Production

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	-	-	-	-	-
T_2 (Recommended Practices)	Yield	37.5 Kg/30 bags	3400	7500	4100	2.21
T_3(Recommended Practices)						

Title of on-farm trial:	Assessment of nutritional enhancement of preschool children through incorporation of paushtik chapatti (fortification of Kodo flour, chickpea flour drumstick leaf leaf powder to wheat flour) in their diet
Year/Season:	2021-22/Rabi
Problem diagnosis:	Nutritional insecurity of preschool children
Thematic area: (Focus area in DFI and nutri smart initiatives)	Nutritional security
No of trials:	18
No. of farmers/farm women involved	25
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment:	
T1 – Farmers Practice-	No use of paushtik chapatti
T2 –Recommended Practice-	Value added Chapatti mix
Source of technology:	TNAU (2016)
Characteristics of technology:	
Name of Crop/Enterprises:	Value added Chapatti mix
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	Increase in Height	BMI ((Weight (Kg)/

							(Kg)	(cm)	(Height(in m) * Height(in m)))
T_1(Farmers Practices)	Chapatti	300	170	5.84	1.1	10.4	0.87	0.91	9.0
T_2(Recommended Practices)	Chapatti	300	205.3	9.4	4.85	164	0.89	0.96	9.2
T_3(Recommended Practices									

Title of on-farm trial:	Assessment of drumstick (Moringa oleifera) dry leaf powder as daily dietary supplement for anemic adolescent girls
Year/Season:	2022/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:	10
No. of farmers/farm women involved	25
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 (MDI)
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)	Low intake of Iron in food	-	-	9.78	20.5	395	8.1	8.3	
T_2(Recommended Practices)	Normal routine diet with Moringa dried powder	10 gm /day/girl for 3 months	42	41.2	28.6	795	8.0	12.2	
T_3(Recommended Practices									

Title of on-farm trial:	Assessment of suitability of CR Dhan -310 to improve the nutrition status of the farm family

Year/Season:	2022/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:	10
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	136	2.84	1.26	10			
T_2(Recommended Practices)	Use of variety- CR Dhan -310	225	230.42	15.22	4.52	11.35			
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 2021-22	Agronomy	ICM	Demonstration of HYV of chickpea (RVG 202) with line sowing under Rice-Chickpea cropping system	Pulses	Chickpea		Irrigated	Completed	02	1	1	1	2
Shahdol	Kharif, 2022	Agronomy	ICM	Demonstration of HYV of paddy (JR 206) under Rice-Chickpea cropping system	Cereals	Paddy	JR 81/JR 206)	Semi irrigated	Completed	02	1	1	2	1
Shahdol	Kharif 2022	Agroforestry	ICM	Demonstration of High Yielding Variety of (Napier grass-IGFRI 3) Fodder Production under Silvi-pasture system.	Fodder crop	Napier grass	IGFRI 3	Irrigated	Completed	02	1	2		2
Shahdol	Kharif 2022	Agroforestry	Agroforestry	Demonstration of High Yielding Fodder Production (African tall/Maize grass) under Silvi-pasture system.	African tall/Maize grass	African tall/Maize grass		Semi irrigated	Completed	02	1	2		2

Shahdol	Kharif 2022	Agroforestry	Agroforestry	Demonstration of High Yielding Variety (Roma) Turmeric based Agrihorticulture System by Growing Turmeric under the shade of Fruit tree.	Turmeric	Turmeric	Roma	Semi irrigated	Completed	02		5		1

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 (RVG 202) with line sowing under Rice-Chickpea cropping system	Chickpea (RVG 202)	Plant ht Branches/plant pod/plant Yield	cm No/plant No/plant q/ha	57.24 6.12 24 10.5	61.18.10 28 14.21	20576	23750	53550	72471	32974	48721	2.60	3.05
Shahdol	Demonstration of HYV of paddy (JR 206) under Rice-Chickpea cropping system	Paddy (JR 206)	Yield	q/ha	75 234 34.7	77 248 37.6	33891	34213	71482	77456	37591	43243	2.11	2.26
Shahdol	Demonstration of High Yielding Variety of (Napier grass- IGFRI 3) Fodder Production under Silvi-pasture system.	(Napier grass- IGFRI 3)	Yield	q/ha	940	1050	37300	38500	86200	94500	48900	56000	2.32	2.45

Shahdol	Demonstration of High Yielding Fodder Production (African tall/Maize grass) under Silvi-pasture system.	(African tall/Maize grass)	Yield	q/ha	450	550	31500	32000	46000	65000	20100	33000	1.48	2.03
Shahdol	Demonstration of High Yielding Variety (Roma) Turmeric based Agrihorticulture System by Growing Turmeric under the shade of Fruit tree.	Turmeric (Roma)	Yield	q/ha	105	108	50100	49600	180000	210000	129900	160400	3.5	4.1

Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	04		144
2	Farmers Training	07		145
3	Media coverage	10		Mass
4	Training for extension functionaries	1		22

Details of FLD on Enterprises

Farm Implements

Details of FLDs on Agriculture Engineering implemented during Jan-2022 to Dec-2022

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	**Rabi 2021-22**	**Farm Machinery**	**Ridge furrow seed cum fertilizer drill for sowing chickpea**	**Chickpea**	**Chickpea**	**Ridge furrow seed cum fertilizer drill for sowing**	Irrigated	**Completed**	**2**		2	1	2

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 ridge furrow seed cum fertilizer drill for sowing chickpea	Enterprise	Yield	(q/ha)	14.2	16.67	21650	24187	64517	84896	42867	60709	2.98	3.51

**Field efficiency, labour saving etc.*

Livestock Enterprises

Details of FLDs on Animal Science implemented during Jan-2022 to Dec-2022

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	Rabi 2021-22	Demonstration of Berseem to stall feeding for Milchcattles	Fodder crop-Berseem	Mescavi	Completed	2	1	1	2	1	1

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 Berseem to stall feeding for Milchcattles	Berseem	Milk (210 day/cycle)	Li/day	1.45	3.74	3210	4570	12180	26040	8970	21470	3.79	5.69

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

Details of FLDs on Fishery implemented during Jan-2022 to Dec-2022

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 of FW through vermicomposting	Vermicomposting	5		2	2	1
Income generation	Demonstration on income enhancement of FW through nursery raising	Nursery Raising	5		3	1	1
Nutritional security	Demonstration on Nutritional Kitchen Garden	Seasonal vegetables and fruits	Vegetables 250 sq m		15		
Income generation	Demonstration on income enhancement through mushroom production	Mushroom production	10		1	8	1

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 of FW through vermicomposting	19 q	25 q	3500	5600	7200	18200	3700	12600	2.06	3.25
Demonstration on income enhancement of FW through nursery raising	14200	19980	3700	4100	7100	9990	3400	5890	1.92	2.44
Demonstration on income enhancement through mushroom production	-	40.5 Kg/30 bags	-	3450	-	8100		4650		2.34

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 (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	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	T 2	T1	T2	T1	T2	T 1	T 2	T 1	T 2	T1	T 2
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	210g	275g	2450	2450	46.4	60	36.17	59.14	71.34	125.18						

ClusterDemonstrationofOilseedandPulsesunderNFSM(2022-23)

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	*Season and year*	Area (ha)	No. of farmers/ demonstration	Parameters identified
1	Pigeon pea	Crop production	Line sowing High yielding variety Seed and soil treatment With Biofertilizers IWM, IPM and IDM	Improved variety Rajeshwari@ 15-20 Kg/ha 2. Seed treated with Trichoderma, Rhizobium, PSB 5g /Kg seed 3. To control sucking pests spray of Imidachlopprid @150 ml/acre 4.To manage weeds, spray Imazethyper @100 gm/ha	Kharif	20	50	Plant height No of branches No of pods/plant No of grains/pod Yield, B:C
2	Blackgram	Crop production	Line sowing High yielding variety Seed and soil treatment With Biofertilizers IWM, IPM and IDM	Improved variety Mukundra Urd-2 @ 25Kg/ha 2. Seed treated with Trichoderma, Rhizobium, PSB 5g /Kg seed 3. Soil Application of Trichodermaviridae + PSB + PGPR each 3 kg/ha 4. To Pod borer, spray of chlorpyrophos @800 ml/acre 5. To manage weeds, spray Imazethyper @100 gm/ha	Kharif	10	25	Plant height No of branches No of pods/plant No of grains/pod Yield, B:C
3	Green gram (MH 421)	Crop production	Line sowing High yielding variety Seed and soil treatment With Biofertilizers	Improved variety MH 421 @ 25Kg/ha 2.Seed treated with Trichoderma, Rhizobium, PSB 5g /Kg seed 3. Soil Application	Kharif	10	25	Plant height No of branches No of pods/plant No of grains/pod

			IWM, IPM and IDM	of Trichodermaviridae + PSB each 3 kg/ha 4. To Pod borer, spray of Propenophos 50 EC @800 ml/ha 5.To manage weeds, spray Imazethyper @100 gm/ha				Yield, B:C
4	Chickpea (JG-36)	Crop production	Line sowing High yielding variety Seed and soil treatment With Biofertilizers IWM, IPM and IDM	Improved variety JG 36 @ 75Kg/ha Seed treated with Rhizobium 20g /Kg seed Soil Application of Trichodermaviridae + PSB each 3 kg/ha Seed treated with Rhizobium and PSB Pod borer managed by Neem Oil 1000 li/acre Installation of "V" shape bird perches @ 10-12/acer Intercroppping with Coriander	Rabi	20	50	Plant height No of branches No of pods/plant No of grains/pod Yield, B:C
5	Lentil (RVL 11-6)	Crop production	Line sowing High yielding variety Seed and soil treatment With Biofertilizers IWM, IPM and IDM	Improved variety Improved variety RVL – 11-6 @ 40 Kg/ha Seed treated with Trichodermaviridae+ PSB each 3 kg/haand Rhizobium (20 g/lg seed) Pod borer managed by Neem Oil 1000 li/acre Application of Imidacloprid 17.8 SL @100ml/ha for sucking pests	Rabi	20	50	Plant eight No of branches No of pods/plant No of grains/pod Yield, B:C
6	Linseed	Crop production	Line sowing High yielding variety Seed and soil treatment With Biofertilizers IWM, IPM and IDM	Improved variety JLS 79@ 20 Kg/ha 2. Seed treated with Trichoderma, Azospirillum Azotobactre PSB 5g /Kg seed Imidacloprid 17.8 SL @100ml/ha for sucking pests, Chlorpyrophos 20 Ec 400 ml/acreLinseed bud fly, caterpillar	Rabi	20	50	Plant height No of branches No of pods/plant No of grains/pod Yield, B:C
7	Mustard	Crop	Line sowing	Improved variety	Rabi	20	50	Plant height

		production	High yielding variety Seed and soil treatment With Biofertilizers IWM, IPM and IDM	NRCHB 101 @5Kg/ha 2. Seed treated with Trichoderma, Azospirillum Azotobactre PSB 5g /Kg seed, Soil application and foliar application of PGPR Pre emergence of Pendemathalin 38.7 500 ml/acre Imidacloprid 17.8 SL @100ml/ha for sucking pests, Neem tel 400 ml/acre Pointed bug and saw fly Spray of carbendazim 350gm/acre for alternaria blight				No of branches No of Siliqua/plant No of grains/silsiqua Yield, B:C

ExtensionandTrainingactivitiesunderCFLDsOilseedandPulses

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	10	August 2022-January 2023	133
2	Farmers Training	10	August 2022-January 2023	133
3	Media coverage	6	August 2022-January 2023	Mass
4	Training for extension functionaries	3	August 2022-January 2023	37

Training (Including the sponsored and FLD training programmes):

A) <u>ON 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
	Crop Production	Weed Management											
	Crop Production	Resource Conservation Technologies											
	Crop Production	Cropping Systems											
	Crop Production	Crop Diversification											
	Crop Production	Integrated Farming											
F&FW	**Crop Production**	Integrated Farming	Agro tech. of summer green gram	1	1	0	0	0	0	17	2	0	0
F&FW	**Crop Production**	Integrated Farming	Training	1	1	2	0	7	0	1	3	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
			on Scientific cultivation of rabi season oil seed crops							1			
F&FW	**Crop Production**	Integrated Farming	Training on Scientific cultivation of chickpea crop under TSP	1	1	0	0	0	0	20	0	0	0
F&FW	**Crop Production**	Integrated Farming	Training on Scientific cultivation of linseed and mustard seed crops	1	1	3	0	5	0	16	0	0	0
F&FW	**Crop Production**	Micro irrigation/irrigation											
F&FW	**Crop Production**	Seed production											
F&FW	**Crop Production**	Nursery management											
F&FW	**Crop Production**	Soil & water conservation											
F&FW	**Crop Production**	Integrated nutrient Management	Training on balance use of fertilizers in turmeric crop	1	1	5	0	8	0	17	0	1	0
F&FW	**Crop Production**	Production of organic inputs	Training on importance of bio-formulation in organic/ natural farming for soil health and sustainable crop	1	1	138	0	23	0	60	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										
F&FW	**Crop Production**	Others(Natural farming)	Training on natural farming	1	1	0	0	0	0	35	22	0	0
F&FW	**Crop Production**	Others(Natural farming)	Training to college students on Natural farming	1	1	0	36	0	4	0	7	0	0
F&FW	**Crop Production**	Others(Natural farming)	Training of college students on natural farming	1	1	0	15	0	2	0	3	0	0
F&FW	**Crop Production**	Others(Natural farming)	Training on organic/ natural farming and cultivation of rabi season oil seed crops	1	1	2	0	11	9	17	13	1	0
F&FW	**Crop Production**	Others(Natural farming)	Training on Importance of Natural farming and production of biopestic ides and nutrient management in oil seed crop at KVK	1	1	7	2	0	0	3	12	2	0
F&FW	**Crop Production**	Others(Natural farming)	Training of college students on organic farming	1	1	3	13	0	2	0	3	0	0
	Horticulture (Vegetable	Production of low volume and											

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
	Crops)	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)											
	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											
F&FW	**Horticulture(Medicinal and Aromatic Plants)**	Production and management technology	Training on scientific	1	1	13	5	11	0	21	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
			cultivation of lemon grass and Ashwgandha in Shahdol dist of MP										
F&FW	**Horticulture(Medicinal and Aromatic Plants)**	Post harvest technology and value addition	Training on control of termite ,insect pest and Disease in mango	1	1	0	0	0	0	8	5	4	3
	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											
F&FW	**Soil Health and Fertility Management**	Production and use of organic inputs	Importance of natural and organic farming	1	1	5	0	1	0	2	0	6	0
	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											
F&FW	**Soil Health and Fertility Management**	Organic Farming	Use of Biofertilizer in pulses crop	1	1	21	2	5	0	8	0	0	0
	Soil Health and Fertility Management	Others (Pl. Specify)											
	Livestock Production and Management	Dairy Management											
	Livestock Production and Management	Poultry Management											
	Livestock Production and	Piggery Management											

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
	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)											
	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening											
	Home Science/Women empowerment	Design and development of low/minimum cost diet											
	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	Value addition of Turmeric	1	1	6	0	3	0	4	0	4	0
FW	**Home Science/Women empowerment**	Value addition	Tomato processing and value addition	1	1	8	0	2	0	8	0	2	0
	Home Science/Women empowerment	Women empowerment											
	Home Science/Women empowerment	Location specific drudgery reduction technologies											
	Home Science/Women empowerment	Rural Crafts											
	Home Science/Women empowerment	Women and child care											
FW	**Home Science/Women empowerment**	Others (Pl. Specify)	Training and awareness on SCA	1	1	0	0	0	0	0	5	7	8
FW	**Home Science/Women empowerment**	Others (Pl. Specify)	SCA Training cum Awarene	1	1	0	10	0	1	8	7	4	10

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
			ss Program										
F&FW	**Home Science/Women empowerment**	Others (Pl. Specify)	SFAC Trg	1	1	25	5	0	0	10	5	0	0
	Agril. Engineering	Farm machinery & its maintenance											
	Agril. Engineering	Installation and maintenance of micro irrigation systems											
	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											
F&FW	**Plant Protection**	Integrated Disease Management	Training on pests and disease management in turmeric	1	1	5	0	8	0	17	0	1	0
	Plant Protection	Biocontrol 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											

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 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	Different Method of Plantation Crops and role of Agro forestry	01	01	0	0	0	0	12	5	5	3
F&FW	**Agro forestry**	Production technologies	Importance and Production Technique of Agro forestry	01	01	5	2	3	2	12	5	5	3
F&FW	**Agro forestry**	Production technologies	Traning on " Different Agroforesrty System in shahdol Region"	1	1	1	5	2	5	5	7	0	2
F&FW	**Agro forestry**	Production technologies	Training on Agroforestry Model in Shahdol										

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
			region.										
F&FW	**Agro forestry**	Integrated Farming Systems											
F&FW	**Agro forestry**	Integrated Farming Systems											
F&FW	**Agro forestry**	Others (Pl. Specify)	Traning on Agroforesrty System in Shahdol and Climate Change towards the Increasing of Biodiversity"	01	01	2	5	2	5	5	8	0	2
F&FW	**Agro forestry**	Others (Pl. Specify)	Training on different Agro forestry System along with their Importance in Human Life.	1	1	5	2	1	1	10	4	0	0
	Agro forestry	Others (Nursery Management)											
	Agro forestry	Others (Pl. Specify)											

A) <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	Nutrients and weed management in oil seed crops V-Bhamraha	1	1	0	0	0	0	24	0	0	0
F&FW	**Crop Production**	Weed Management	Importance of organic	1	1	0	0	0	0	20	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
			farming and weed management rabi season cropsV-Semara										
F&FW	**Crop Production**	Weed Management	Weed management in soybean crop	1	1	19	0	0	0	0	0	0	0
F&FW	**Crop Production**	Weed Management	Training on integrated weed and nutrient management in wheat V-Bahgad B-Burhar	1	1	2	0	3	0	9	0	2	0
F&FW	**Crop Production**	Weed Management	Training on integrated weed and nutrient management in rabi crops V-Khitoli B-Sohagpur	1	1	31	3	5	0	57	13	2	0
F&FW	**Crop Production**	Resource Conservation Technologies	Scientific cultivation of oilseeds and pulses and pests management through bio formulation	1	1	0	0	0	0	13	0	0	0
F&FW	**Crop Production**	Cropping Systems	Importan	1	1	0	0	0	2	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
			ce of Natural farming for sustainable crop production						7				
F&FW	**Crop Production**	Crop Diversification											
F&FW	**Crop Production**	Integrated Farming	Training on Scientific cultivation of chickpea and lentil crop under CFLD	1	1	3	0	5	0	7	3	2	0
F&FW	**Crop Production**	Micro irrigation/irrigation											
F&FW	**Crop Production**	Seed production											
F&FW	**Crop Production**	Nursery management											
F&FW	**Crop Production**	Integrated Crop Management	Nutrients management in rabi season crops V-Chataha	1	1	0	0	0	0	11	3	0	0
F&FW	**Crop Production**	Integrated Crop Management											
F&FW	**Crop Production**	Soil & water conservation											
F&FW	**Crop Production**	Integrated nutrient Management	Training on integrated nutrient management in rice crop, V-Dadratola	1	1	1	0	2	0	17	3	0	0
F&FW	**Crop Production**	Integrated nutrient Management	Training on nutrient management in chickpea and lentil crop	1	1	4	0	3	0	9	0	1	0
F&FW		Integrated Crop Management	Nutrients manage	1	1	1	0	0	0	11	3	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
			ment in rabi season crops V-Chataha										
F&FW	**Crop Production**	Production of organic inputs	Training on Importance of Natural farming and production of bioformulation and nutrient management in Pulses crop	1	1	0	0	0	0	6	16	0	0
F&FW	**Crop Production**	Production of organic inputs	Training on Importance of Natural farming and production of biopesticides and nutrient management in oil seed crop	1	1	0	0	0	0	15	5	3	0
F&FW	**Crop Production**	Others(Natural farming)	Importance of natural farming and nutrients management in rabi crops v-Godaru	1	1	0	0	0	0	30	0	0	0
F&FW	**Crop Production**	Others(Natural farming	Scientific cultivation of summer green gram and	1	1	0	0	0	0	18	6	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 techniques of bio formulation for pests management under Natural farming										
F&FW	**Crop Production**	Others(Natural farming)	Production tech of bio formulation and bio pesticides under Natural farming for pests management in vegetables	1	1	0	0	0	0	27	0	0	0
F&FW	**Crop Production**	Others(Natural farming)	Cultivation of Summer green gram under Natural farming V-Bhatagaon B-Jaisinghnagar	1	1	5	0	3	0	5	0	2	0
F&FW	**Crop Production**	Others(Natural farming)	Cultivation of summer green gram under natural farming V-Bahagad B-Burhar	1	1	0	0	0	0	24	8	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
F&FW	**Crop Production**	Others(Natural farming)	Training on Natural/ organic farming at V- Kuddi, B- Burhar	1	1	0	0	0	0	21	0	0	0
F&FW	**Crop Production**	Others(Natural farming)	Training on Natural/ organic farming at V- Citruadi, B- Burhar	1	1	0	0	0	0	21	0	0	0
F&FW	**Crop Production**	Others(Natural farming)	Cultivation of summer green gram under natural farming V- Bhatagaon B- Jaisinghnagar	1	1	0	0	0	0	24	08	0	0
F&FW			Cultivation of summer green gram under natural farming V- Bahagad B- Burhar	1	1	0	0	0	0	17	0	0	0
F&FW	**Crop Production**	Others(Natural farming)	Training on Importance of Natural farming & Nutrient manage	1	1	2	0	0	3	11	11	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
			ment in rabi crops V-Sabo B-Burhar										
F&FW	**Crop Production**	Others(Natural farming)	Training on importance of organic/ natural farming for sustainable crop production/ecosystem	1	1	2	5	0	6	0	11	1	1
F&FW	**Crop Production**	Others(Natural farming)	Training on Importance of Natural farming & enhancing farm income through diversification V-Pathra B-Sohagpur	1	1	2	1	1	0	13	2	0	0
F&FW	**Crop Production**	Others(Natural farming)	Training on Importance of Natural farming & integrated weed and nutrient management in rabi crops V-Karchul B-Burhar	1	1	5	0	3	1	11	11	1	0
	Horticulture (Vegetable Crops)	Production of low volume and high value crops											
	Horticulture (Vegetable	Off season vegetables											

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
	Crops)												
	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)											
	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	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
	Aromatic Plants)												
	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											
F&FW	**Soil Health and Fertility Management**	Soil & water testing	Training on importance of soil testing and Balance nutrient management in Rabi crops on World Soil Day V-Semariya B-Burhar	1	1	4	0	5	0	11	16	5	0
	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	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
	Management												
	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening											
FW	**Home Science/Women empowerment**	Design and development of low/minimum cost diet	Training on Prepartion of Paushtik rice kichdi , V-Kunarseja, B-Sohagpur	1	1	0	2	0	0	0	12	0	6
FW	**Home Science/Women empowerment**	Designing and development for high nutrient efficiency diet	Importance of traditional food products in providing balance nutrition V-Baigaiha, B-Sohagpur	1	1	0	1	0	1	0	9	0	16
FW	**Home Science/Women empowerment**	Minimization of nutrient loss in processing	Precaution to be taken to prevent nutrient losses during cooking and processing , Village-AWC Chatwai, B-Sohagpur	1	1	0	4	0	0	0	6	0	11
			.										
FW	**Home Science/Women empowerment**	Processing & cooking	Importance of Balance Diet and ways to prevent nutritional losses	1	1	0	0	0	0	8	11	0	10

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
			during cooking(RY)										
FW	**Home Science/Women empowerment**	Gender mainstreaming through SHGs											
FW	**Home Science/Women empowerment**	Storage loss minimization techniques											
FW	**Home Science/Women empowerment**	Value addition	Importance of Drumstick paushtik Chapatti and Drumstick Chutni, V-Kunarseja, B-Sohagpur	01	01	0	1	0	0	0	15	0	1
FW	**Home Science/Women empowerment**	Value addition	Training on value added products of Kodo and its importance V-Kunarseja, B-Sohagpur	1	1	2	0	0	0	3	19	0	5
FW	**Home Science/Women empowerment**	Value addition	Importance of Drumstick leaf powder for anemic adolescent girls, V-Kunarseja, B-Sohagpur	1	1	0	1	0	0	0	15	0	1
FW	**Home Science/Women empowerment**	Value addition	Mushroom production and its value added product , V-Channau	1	1	0	1	0	0	0	4	6	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
			di, B-Burhar										
FW	**Home Science/Women empowerment**	Value addition	Mushroom production and its value addition, Dhanpuri B- . Burhar	1	1	0	0	0	0	0	9	8	3
FW	**Home Science/Women empowerment**	Value addition	Processing and preparation of malted sattu, Village-Rohaniya, B-Sohagpur.	1	1	0	1	0	0	0	17	0	6
	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	Importance of GLV on daily diet for healthy living, Village-AWC Khamariya Kala, B-Sohagpur.	1	1	1	2	1	0	5	12	15	1
FW	**Home Science/Women empowerment**	Women and child care	Importance of drumstick and curry leaves, Village-Panchayat Bhawan Khamariya Kala, B-Sohagpur.	1	1	4	3	1	1	10	2	20	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
FW	**Home Science/Women empowerment**	Others (Pl. Specify)	SCA Symptoms and remedial measures, V-Chuhri, B-Gohparu	1	1	0	0	0	28	2	0	0	22
FW	**Home Science/Women empowerment**	Others (Pl. Specify)	SCA Symptoms and its precautionary measures, V-Kunarseja, B-Sohagpur	1	1	0	1	0	0	0	10	0	11
FW	**Home Science/Women empowerment**	Others (Pl. Specify)	Importance of Balance diet for healthy living, V-AWC Katkona, B-Burhar	1	1	0	1	0	0	0	10	0	11
FW	**Home Science/Women empowerment**	Others (Pl. Specify)	SCA Symptoms and its precautionary measures, V-Bagaiha, B-Sohagpur	1	1	0	1	0	0	0	24	0	11
FW	**Home Science/Women empowerment**	Others (Pl. Specify)	Role and importance of different food groups, V-Middle Secondary School Katkona, B-	1	1	0	2	5	6	15	16	7	3

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
			Burhar										
F& FW	**Agril. Engineering**	Farm machinery & its maintenance	Training on Different types of plant protection sprayers use in Rabi crop, Village – Sigudi, Block- Sohagpur	1	1	0	0	0	0	8	2	12	4
	Agril. Engineering	Installation and maintenance of micro irrigation systems											
	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)											
F& FW	**Plant Protection**	Integrated Pest Management	Training on Mechanical methods for insect and pest management in Chickpea crop, village – Amraha, Block - Sohagpur	1	1	0	0	0	0	14	6	8	2
F& FW	**Plant Protection**	Integrated Disease Management	Pests and diseases management in linseed	1	1	0	0	0	0	18	9	0	0
F& FW	**Plant Protection**	Integrated Disease Management	Pests and disease manage	1	1	2	0	3	1	3	2	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
			ment in summer green gram										
F& FW	**Plant Protection**	Integrated Disease Management	Pests and disease management in summer green gram	1	1	7	1	1	0	2	0	0	0
F& FW	**Plant Protection**	Integrated Disease Management	Training on pests/diseases management in pulses crops under CFLD	1	1	17	0	3	0	5	0	1	0
F& FW	**Plant Protection**	Integrated Disease Management	Training on pests/diseases management in crops under CFLD	1	1	21	0	3	0	4	0	3	0
F& FW	**Plant Protection**	Bio0control of pests and diseases	Pests and disease management in green gram	1	1	0	0	0	0	0	0	0	0
	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											

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
		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	Training on "Importance of Rabi Plantation and Agro forestry Modal. Vill - Pachdi B- Sohagpur.	01	01	0	0	0	0	13	8	0	0
F& FW	**Agro forestry**	Production technologies	Training on "Importance and Development of Agro	01	01	5	2	4	2	1	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
			forestry Modal in human life. Vill - Lamro B- Sohagpur.										
F& FW	**Agro forestry**	Production technologies	Importance of Planting technique in Eucalyptus and mango ,Guava.	01	01	0	0	3	1	12	7	0	0
F& FW	**Agro forestry**	Production technologies	Training on Agro forestry based Agrofloriculture System As well as Production on Turmeric at Vill- Khamha B- Gohparu.	01	01	0	0	0	0	16	5	0	0
F& FW	**Agro forestry**	Production technologies	Training on Agro forestry based Agrisilviculture System As well as Production on Maize chari at Vill- Khamha B- Gohparu..	01	01	0	0	0		15	5	0	0
F& FW	**Agro forestry**	Nursery management	Training on Production of Brinjal	01	01	2	0	1	0	16	5	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
			and Tamato Agrihorticulture System under Agro forestry at Vill- Madva B- . Sohagpur.										
F& FW	**Agro forestry**	Integrated Farming Systems	Training on "Scientific Cultivation of wheat under Agroforestry in Human Life At Vill- Lalpur B- Burhar.	01	01	11	2	2	0	5	3	0	0
F& FW	**Agro forestry**	Integrated Farming Systems	Training on Scientific Cultivation & Production of Mustured and under Agro forestry at Vill- Chatha B- . Sohagpur..	01	01	8	0	1	0	6	0	0	0
F& FW	**Agro forestry**	Integrated Farming Systems	Training on "Scientific Cultivation of Gram as well as wheat under	01	01	5	0	2	0	9	3	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
			Agroforestry At Vill- Khamha B- Gohparu.										
F& FW	**Agro forestry**	Integrated Farming Systems	Training on Cultivation & Production of Musturd and under Agro forestry at Vill- Lamro B- . Sohagpur.	01	01	1	0	2	0	12	8	0	0
F& FW	**Agro forestry**	Integrated Farming Systems	Training on Integrated Farming System along with How to generate Additional Income to the Farmer under Agro forestry at Vill- Khamhariya Kalan B- . Sohagpur.	1	1	8	4	2	0	12	8	0	0
F& FW	**Agro forestry**	Integrated Farming Systems	Training on "Scientific Cultivation of Sarso as well as Gram	1	1	0	0	0	0	15	9	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
			under Agroforestry At Vill- Deoritola B- Sohagpur.										
F& FW	**Agro forestry**	Integrated Farming Systems	Scientific Cultivation of turmeric	1	1	76	87	40	37	119	68	23	21
F& FW	**Agro forestry**	Others (Irrigation Method)	Training on "Agro forestry based Different Irrigation Method, and their Practices Management "at Vill- Maghgawa B- Sohagpur.	1	1	0	0	0	0	6	16	0	0
F& FW	**Agro forestry**	Others	Training on "Importance of Kharif season crop alog with Cultivation of Turmeric crop	1	1	0	0	0	0	15	11	0	0
F& FW	**Agro forestry**	Others	Training on "Importance of Agroforestry System based on Paddy Kharif season alog with	1	1	10	2	2	0	5	3	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
			Cultivation of Napier grass at V- Amraha B- Sohagpur										
F& FW	**Agro forestry**	Others	Training on "Importance of Agroforestry system based on paddy in Kharif season at V- Pachdi B- Sohagpur	1	1	10	2	2	0	55	30	0	0
F& FW	**Agro forestry**	(Livelihood Enhancement)	Training on "Importance of Agroforestry through Livelihood Enhancement. and their Additional Income Generation At Vill- Jarwahi B- Burhar.	1	1	10	2	2	0	5	3	0	0

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	Training on summer green gram	1	1	0	0	0	0	37	5	0	0
Seed production											
Production of organic inputs	Training on importance of bio-formulation in organic/natural farming for soil health and sustainable crop production	1	1	2	5	0	6	0	11	1	0
Production of organic inputs											
Production of organic inputs											
Mushroom Production											
Bee keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition	Value addition of Turmeric	1	1	6	0	3	0	4	0	4	0
Small scale processing	Tomato processing and value addition	1	1	8	0	2	0	8	0	2	0
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											

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) (Agroforestry)	Training on "Different IFS (Integrated Farming System) Modals Under Agro forestry for Additional income generation to the farmer.	1	1	0	0	0	0	27	4	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											
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) (WOE- Adolescent Care)	Care and nutrition of adolescent girl (RY) , V- Nipaniya	1	1	0	0	0	0	0	2	0	19

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) (WOE- Adolescent Care)	Care and nutrition of adolescent girl (RY) , V- Baigaiha	1	1	0	0	0	0	0	14	0	13

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	Cultivation Practices Of Kharif Oil Seed Crops	1	1	0	32	0	1	0	7	0	3
Productivity enhancement in field crops	Scientific Cultivation Of Black Gram And Green Gram	1	1	1	1	0	1	0	10	0	1
Productivity enhancement in field crops	Cultivation Practices Of Pigeon Pea	1	1	4	0	1	1	0	6	0	1
Integrated Pest Management	Training On Natural Farming	1	1	0	57	0	11	0	13	0	0
Integrated Pest Management	Natural Farming	1	1	28	6	4	2	27	3	11	1
Integrated Nutrient management	Importance Of Natural Farming	1	1	1	13	0	1	0	3	0	2
Integrated Nutrient management	Cultivation Practices of Black Gram/Green Gram Under Natural Farming	1	1	0	6	0	2	0	3	0	5
Integrated Nutrient management	Balance Use Of Fertilizers In Pulse Crops	1	1	9	5	0	1	0	10	0	0
Integrated Nutrient management	Importance of soil health and soil testing	1	1	1	5	0	6	0	4	1	4
Production and use of organic inputs	Importance of natural farming and preparation of various formulation	1	1	24	33	15	43	17	53	5	11
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	Processing and preparation of malted sattu (Chatwai	1	1	0	12	0	01	0	12	0	07

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
	AWC)										
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											
Others(Pl. Specify) (Medicinal plants)	Importance of medicinal plants	1	1	4	7	0	9	2	11	0	2

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	Scientific cultivation of oilseeds and pulses and pests management through bio formulation	1	1	0	0	3	0	10	0	0	0
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											
Women and Child care											
Low cost and nutrient efficient diet designing	Nutritional Benefits of Linseed, AWC-Kalyanpur	1	1	0	6	0	0	0	8	0	10
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											
Others(Pl. Specify)											

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											

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 vegetable production											
Crop production and management	Organic farming	Importance of organic and natural farming	1	6	2	7	0	14	2	15	0	7
Crop production and management	Organic farming	Importance of Natural farming for sustainable crop production	1	1	0	0	0	0	12	12	0	0
Crop production and management	**Others(Pl. Specify)**	Soil Testing	1	5	0	0	0	0	2	27	0	0
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 processing	1	5	0	0	0	0	20	4	9	9
Income generation activities	Mushroom cultivation	Cultivation of Mushrooms	1	5	1	9	0	13	0	16	0	9
Income generation activities	Nursery, grafting etc.											
Income generation activities	Tailoring, stitching, embroidery, dying etc.											
Income generation activities	Agril. para0workers, para0vet training											
Income generation activities	**Others(Pl. Specify)**											
Agricultural Extension	Capacity building and group dynamics											
Agricultural Extension	**Others(Pl. Specify)**											
Crop production and management	Commercial floriculture											

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		
F&FW	**Crop production and management**	Increasing production and productivity of crops	Workshop on Kodo-kutki sponsored by JDA Office, Shahdol	1	2	0	0	13	2	0	0	100	10	JDA Office Shahdol	
	Crop production and management	Commercial production of vegetables													
	Crop production and management	Production and value addition													
F&FW	**Crop production and management**	Fruit Plants	Hort. Sponsored Farmers Trg on Organic Farming	1	1	0	0	18	5	0	0	22	12	Horticulture department Shahdol	
	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)**													
F&FW	**Post harvest technology and value addition**	Processing and value addition	ODOP Workshop at Sanskar Palace sponsored by Hort. Departmnt	1	1	75	25	16	18	85	28	116	29	Horticulture department Shahdol	
	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 management													
	Livestock and fisheries	Animal Nutrition Management													
	Livestock and fisheries	Animal Disease Management													
	Livestock and fisheries	Fisheries Nutrition													
	Livestock and	Fisheries Management													

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		
	fisheries														
	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)**													

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	13	289	150	439	12	5	17	301	155	456
Kisan Mela	02	472	202	674	40	18	58	512	220	732
Kisan Ghosthi	08	584	280	864	20	8	28	604	288	892
Exhibition										
Film Show	02	200	155	355	4	3	7	204	158	362
Method Demonstrations	20	102	78	180	10	8	18	112	96	208
Farmers Seminar										
Workshop										
Group meetings										
Lectures delivered as resource persons	48	840	360	1200	25	20	45	865	380	1245
Newspaper coverage	81			Mass						
Radio talks	3			Mass						
TV talks	17			Mass						
Popular articles	14			Mass						
Extension Literature	3			1500						
Advisory Services	117	717	325	1042	45	25	70	762	350	1112
Scientific visit to farmers field	94	332	200	532	10	3	13	342	203	545
Farmers visit to KVK	264	614	220	834	12	4	16	626	224	850
Diagnostic visits	10	84	38	122	10	5	15	94	53	147
Exposure visits										
Ex-trainees Sammelan										
Soil health Camp										
Animal Health Camp	01	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)	05	210	207	417	15	8	23	225	215	440
Others (pl. specify)										
Total	550									7147

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	03	Akashwani Shahdol		Regional
TV talks	17	ETv , News 18		National
Newspaper coverage	81	Danik Bhaskar, Navbharat, Nai Duniya, Agriculture newspaper		Local
Kisan Mela				
Extension	15			

Literature				
Internet (Youtube)				
Social media (Whats App, Facebook, Instagram, Twitter etc.)	130			Local

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		20000			
FOREST SPECIES						
ORNAMENTAL CROPS						
PLANTATION CROPS						
Others (specify)	Napier grass slip		4000	4000		

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		2000				Used in Demo Unit
		Azolla		200				Used in Demo Unit
		Earthworms		10				Used in Demo Unit
		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.)						
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						

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
		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*						
		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	**Kadaknath**	**Meat**		**12**	**6000**	
		Japanese quail						

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.		
		Japanese quail eggs						
		Ducks						
		Turkey						
		Other						
3	Piggery	Piglets						
		Boar						
		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 2022	Q1	500	500	F& FW , RY, District Officials
April to June 2022	Q2	500	500	F& FW , RY, District Officials
July to September 2022	Q3	500	500	F& FW , RY, District Officials
October to December 2022	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	01	500
Popular article	14	
Research Paper	02	
Technical Bulletin		
Training Manual		
Technical Report		
Year Planner		
Others (pl. specify) News letter	04	500 each

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 covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
				by KVKs		By Department	By KVK		By Department			Through Mini Soil Testing kit	Through Soil testing laboratory
Sanctioned	Procured	Collected by KVKs	Provided by Dept./ DDA	Mini Soil Testing kit	Soil testing laboratory		Mini Soil Testing kit	Soil testing laboratory					
		4			4			4			600		4

Details of water samples analyzed:

No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the

				farmers (Nos)
Nil				

Details of Plant samples analyzed :

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

Footfall of farmers in KVKs (Jan. 2022 to Dec. 2022)

Name of KVK	Footfall during 2022			
	No. of Farmers	No. of officials	No. of VIPs	Total
Shahdol	867	32	3	902

*** 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)						
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 &	Nutrition Awareness		6	6	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
	Women Empowerment	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
8	Farm Mechanization			4	4	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. 2022

Date of start of website	Address of Website	No. of updates during 2022	No. of visitors during 2022	Flag Collected	Year Planner
April 2011	www.jnkvvkvkshahdolatari9.org.in	12	1522	-	-

Mobile Apps developed by KVK during 2022

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.)
	Nil	Nil	Nil	Nil	Nil	Nil	Nil

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	4	113	
	Lectures organized	4	113	
	Exhibition			
	Film show	2	113	
	Fair			
	Farm/ Field Visit	1	50	
	Diagnostic Practical's	1	50	
	Distribution of Literature (No.)	1	113	
	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	6	113	
	Animal health camp	-		
	Awareness programme	-		
	Demonstration	-		
	Exposure visit	4	113	
	Ex-trainees Meet			
	Farmer scientist interaction			
	Farmers Training			
	Gajarghans Unmulan Pakhwada	1	21	
	Group Meeting			
	Jai Kisan Jai Vigyan Sangoshthi			
	Plant Protection Week			

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
	Seed treatment campaign			
	Self Help Group convener meet			
	Soil health Camp			
	Swachha Bharat Abhiyan	4	88	
	Others (Pl. Specify)			

Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Shahdol	Dr. Mrigendra Singh	Se. Sci. & Head	7	
	Dr. (Smt.)A. Sharma	Scientist	13	
	Dr. B.K. Prajapati	Scientist	8	
	Sh. D. Chouhan	Scientist		
	Sh. Bhagwat Prasad Pandre	Programme Assistant	6	
	Total			

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Shahdol	**4**	**20**

Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
KVK Shahdol	Dr. Mrigendra Singh	Se. Sci. & Head	3	
	Dr. (Smt.)A. Sharma	Scientist	1	
	Dr. B.K. Prajapati	Scientist		
	Sh. D. Chouhan	Scientist		
	Sh. Bhagwat Prasad Pandre	Programme Assistant		

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
SHAHDOL	**02**	**3**

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)
KVK Shahdol	Dr. Mrigendra Singh	Se. Sci. & Head			
	Dr. (Smt.)A. Sharma	Scientist	1	5	Short Course
	Dr. B.K. Prajapati	Scientist	1	21	CAFT
	Sh. D. Chouhan	Scientist			
	Sh. Bhagwat Prasad Pandre	Programme Assistant	1	5	Short Course

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
SHAHDOL	04	03

Information for TSP Jan-Dec-2022

Sl.	Farmer Training	Women Farmer Training	Rural Youths	Extension Personnel	Number of farmers involved	Participants	Production	Production	Production	Production	Testing of Soil,

No.	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	in extension activities (No.)	of seed (q)	of Planting material (Number in lakh)	of Livestock strains (Number in lakh)	of fingerlings (Number in lakh)	water, plant, manures samples (Number)
01	20	20															

39. Information for SCSP Jan-Dec-2022

Sl. No.	Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Particpants 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.	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-2021

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

Activities in Nutri-Smart Village during Jan-Dec-2022

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	1		10

		nutrition status of the farm family			
	Value addition (activity in no. of Unit/Enterprise)	Assessment of Assessment of nutritional enhancement of preschool children through incorporation of paushtik chapatti (fortification of Kodo flour, chickpea flour drumstick leaf leaf powder to wheat flour) in their diet	01		18
		Assessment of drumstick (Moringa oleifera) dry leaf powder as daily dietary supplement for anemic adolescent girls	01		10
	Other Enterprises (activity in no. of Unit/Enterprise)	Assessment of income enhancement through Mushroom production	01		5
	Income generation (activity in no. of Unit/Enterprise)				
	Drudgery reduction (activity in no. of Unit/ Enterprise)				

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	1	200 sq m	15
	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 of FW through vermicomposting	1		5
	Income generation (activity in no. of Unit/Enterprise)	Demonstration on income enhancement of FW	1		5

		through nursery raising			
	Income generation (activity in no. of Unit/Enterprise)	Demonstration on income enhancement through mushroom production	1		10
	Drudgery reduction (activity in no. of Unit/Enterprise)				

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	Care and nutrition of adolescent girl	01	01	0	3	0	0	0	14		10	27
Shahdol	SCA Symptoms and its precautionary measures	01	01	0	1	0	0	0	10		11	22
Shahdol	Importance of Drumstick paushtik Chapatti and Drumstick Chutni	01	01	0	1	0	0	0	15		1	17
Shahdol	Importance of Drumstick leaf powder for anemic adolescent girls	01	01	0	4	0	0	0	8		2	14
Shahdol	Training on Prepartion of Paushtik rice kichdi	01	01	0	2	0	0	0	12		6	20
Shahdol	Training on value added products of Kodo and its importance	01	01	2	0	0	0	0	19		5	26

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	5	2	18	5	10	1	4	45	5
Shahdol	Plantation programme	14									
Shahdol	Poshan chauppal	02	0	2	28	1	19	2	5	57	0
Shahdol	Swachhta Awareness programme	02	5	15	32	8	18	2	6	86	5

Shahdol	Poshan Maah .	3	4	21	32	5	39	3	5	109	4
Shahdol	Poshan advisory	5	0	4	34	2	18	2	6	66	0

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

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**
Nil	

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**
Natural Farming	Training and Awareness Programme	321

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 1,00,000 and 10,000 saplings
Green House	Off season vegetables	300	Coriander 25 Kg, strawberry
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	Marjat	Burhar	25
3	Meethi	Jaisinghnagar	70
4	Bahgarh	Burhar	35
5	Sinduri Bharri	Sohagpur	15

1. No. of farm families selected per village : 20-50
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)