

PROPOSED ACTION PLAN OF KVKs FOR THE YEAR 2024

(1st January 2024 to 31st December 2024)

1. GENERAL INFORMATION

1.1 Name of KVK: Chittorgarh

1.2. Status of KVK website: Yes

1.3 No. of Visitors (Hits) to KVK website (as on today): 25600

1.4 Status of ICT lab at your KVK: No

1.5 Details of Senior Scientist & Head

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. R.L. Solanki	-	9414497988	pckvkchittorgarh@gmail.com /solanki_rl@yahoo.com

1.6 Date of establishment: July, 1992

1.7 Staff Position (as on 1 January, 2024)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Level of Pay	Present basic pay (Rs.)	Date of joining	Category (SC/ST/OBC/ Others)
1	Senior Scientist and Head	Dr. R.L. Solanki	Senior Scientist and Head	Soil Science	L-13	152300	31.03.2005	SC
2	S M S	Vacant	-	-	-		-	-
3	S M S	Vacant	-	-	-		-	-
4	S M S	Vacant	-	-	-		-	-
5	S M S	Vacant	-	-	-		-	-
6	S M S	Vacant	-	-	-		-	-
7	S M S	Vacant	-	-	-		-	-
8	Programme Assistant	Smt. Deepa Indoria	Prog. Asstt.	-	L-13	73400	23.05.2014	ST
9	Programme Assistant	Sh. Sanjay Kumar Dhakar	Prog. Asstt.	-	Fixed	26500	24.05.2023	OBC
10	Programme Assistant	Smt. Priti	Prog. Asstt.	-	Fixed	26500	02.06.2023	Gen.
11	Accountant / Superintendent	Vacant	Section officer	-	-		-	-
12	Stenographer	Vacant	-	-	-		-	-
13	Driver	Sh. Gheesu Lal Meena	Driver	-	L-10	41500	27.03.2003	ST
14	Driver	Vacant	-	-	-		-	-
15	Supporting staff	Sh. Banwari Lal Mehar	Peon	-	Level-1	21100	23.10.2015	SC
16	Supporting staff	Vacant	Peon	-	-		-	-

1.8 Infrastructure:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	July, 2008	500 m ²	-	-	-	Completed
2.	Farmers Hostel	RMOL	July, 2008	-	-	-	-	Completed
3.	Staff Quarters (6)	ICAR	-	-	-	-	-	Completed
4.	Demonstration Units (2)							
5	Hi-tech Nursery	RF	-	26'X90 '	-	-	-	Completed
6	Small Nursery	NHM	2008-09	33x15	3 lacs			Completed
7	Modal Nursery	NHM	Nov. 2011	2000 m ² 500 m ² 250 m ²	18 lacs	-	-	Completed
8	Vermi compost Unit	RF	-	60' x 20 '	2 lacs	2006		Completed
	Goat Unit	RF	-	-	-	-	-	Completed
9	Fencing	RKVY	June, 2012	600 meters	15 lacs	-	-	Completed
10		RKVY	2013	600 meters	19 lacs	-	-	Completed
11	Rain water harvesting system	ICAR	July 2008	60x50x3.5 m	1000000	June 2007	-	Completed
12	Threshing floor	ICAR	July, 2011	15x15	2 lacs	-	-	Completed
13	Farm go down	ICAR	2008-09	40x60	4 lacs	-	-	Completed
14	Other	-	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor (Massey - 1035) RJ-09-R-4384	28.03.98	244200.00	5678hrs	Not working
Tractor (Mahindra – bumiputra) RJ-09-RA-5026	2008	-	4850hrs	Running
Small Tractor (Mahindra - Yuvraj) RJ-09-RA-8748		Gifted by Mahindra Company	832 hrs.	Running
Motorcycle RJ-09-SJ-7600	2011	50000.00	70603 km.	Running
Bolero (Mahindra) RJ09-UA-7910	2017	600000.00	111259 km.	Running

C) Equipment's & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Computer	2005	-	Running
LCD	2005	-	Not working
Alternator 15 kva	2004	25000	Running
Leveler	2005	4800	Running
M B Plough	2003	15450	Running
Grain grader	2005	19200	Running
Rotavator	2006	49500	Not working
Seed cum fertilizer drill	2005	21200	Not working
Disc Plough	1998	11567	Not working
Tiller	2000	6300	Running
Thresher	2005	29000	Not working
Computer Lab (ERNET)	2009	-	Not working
Disease forecasting Unit	2011	-	Working
EPBX	2011	-	Not working

PA System	2011	-	Not working
Tractor operated power sprayer	2015	49000	Working
Water tanker	2015	98000	Working
Reversible disc plough	2015		Working
Computer (LCD)	2017		Working
LCD Projector	2017		Working
Photo Copier machine	2017		Working
Kiosk Processor	2017		Working
Laptop (HP)	2020	51600	Working
Air conditioner (Voltas)	2020	44890	Working
Computer (HP)	2020	47850	Working
Computer (HP) All in one	2022		Working
Rotavator	2022	99900	Working
Seed cum fertilizer drill	2023	90000	Working
Cultivator	2023	41500	Working
Automatic dish plough	2023	46000	Working

1.9 Participation in ZAREC Meeting

Sl. No.	Date of ZAREC Meeting	Technology presented by KVK	Outcome of the Meeting
1	26-27.04.2023	Kharif 2022 Progress report	-
2	21-22.09.2023	Rabi 2022-23 Progress report	-

1.10 Proposed SAC meetings in the year

S.No.	Date
1. Scientific Advisory Committee	19.02.2024

1.11 Agriculture scenario of District

1.11.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise	Area (ha)/No
1	Crop production	12.0
2	Orchard	12.5
3	Animal Husbandry	1.0

1.11.2 Agro-climatic Zone & agro ecological situations (based on soil and topography)

S. No.	Agro-climatic Zone	Soil type and characteristics	Topography
1	Zone IV A Sub – Humid Southern & Plain Aravalli Hills	<ul style="list-style-type: none"> ▪ Rainfed, medium texture, moderately deep to deep plain ▪ Rainfed, Heavy Texture deep to vary deep plain ▪ Irrigated, Medium to heavy texture deep to vary deep plain 	-
2	Central high lands (Malawa)	-	The topography of the district is generally undulating with hills belonging to the Aravali ranges scattering over the entire region
3	Gujarat plain and Kathiawar peninsula semi arid eco- region	-	-

1.11.3 Major Soil Types in the district

S. No	Soil type	Characteristics	Area in ha
1	Red loam, Black soil, Brown soil, Yellowish brown soil, Foot hills, Alluvial soils	Coarse to fine loamy, mixed hyperthermic, calcareous, moisture moves through the soil into deeper layers	-
2	Brown soil, red and yellow soils of Foot hills	Fine loamy/ course loamy, Rock outcrops and plains are having deep to very deep soils	-
3	Black soils	Deep to very deep, well drained fine soils with weakly expressed slicken sides on nearly level plains Very dark grayish brown, moderately well drained calcareous fine soils affected by ravine formation	-

1.11.4 Area, Production and Productivity of major crops cultivated in the district (2022-23)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Kg./ha)
1	Maize	162715	465445	2860
2	Sorghum	19737	51947	2632
3	Groundnut	25384	34065	1342
4	Soybean	108060	106549	986
5	Sesame	381	138	363
6	Blackgram	4011	1680	419
7	Greengram	280	141	504
8	Sugarcane	678	48993	72265
9	Wheat	158802	711720	4482
10	Barley	9309	33373	3585
11	Gram	93683	105311	1124
12	Mustard	54204	94085	1736
13	Taramira	303	158	521
14	Isbagoal	2347	1910	814
15	Garlic	5372	25865	4815

Source:

Final Estimates (2022-23)

Commissionerate of Agriculture, Rajasthan- Jaipur

1.11.5 Weather parameters

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January, 2023	0.10	27.3	1.5	100	15
February ,2023	0.00	34.2	3.1	100	9
March, 2023	0.26	35.1	10.4	100	11
April, 2023	0.33	40.1	13.9	100	6
May, 2023	0.51	44.3	17.1	100	4
June, 2023	123.22	40.2	20.3	100	15
July, 2023	223.71	37.2	21.9	100	44
August, 2023	112.76	34.7	21.9	100	43
September, 2023	159.37	36.2	17.9	100	28
October ,2023	0.00	37.2	14.6	100	19
November, 2023	23.51	37.0	13.5	100	13
December, 2023	36.05	27.1	5.9	100	22
Total	679.82				

1.11.6 Livestock and Fisheries Production and productivity

Category	Population	Production	Productivity
Cattle			
<i>Cow – indigenous</i>	34398	84.163 metric tones	
<i>Cow – crossbred</i>	344628	33.651 metric tones and 175.533 metric tones from non- Descript cow	
Buffalo	473245	99.234 metric tones and 247.206 metric tones and 247.206 metric tones from non- Descript buffaloes	3.819 Ltr. milk /day
Sheep	26731	36.691 thousand kg	31.10 Ltr. milk /day
Goats	488760	38.980 metric tones	0.342 Ltr. milk/day

Pigs	1935	0.052 metric tones	
<i>Crossbred</i>			
<i>Indigenous</i>			
Rabbits	952		
Poultry			
Hens	62602		
<i>Desi layer</i>		55.521 lakh	40-50 eggs/year
<i>Commercial poultry Pratapdhan</i>		7.837 lakh	150-180 eggs/year
Category		Production (Q.)	Productivity
Fish (Reservoir)			

*Statistical report 2022-23

1.11.7 Details of Operational area / Villages

Taluka	Block	Village	Total population	No. of farm households	Distribution of farmers according to size of land holdings			
					L	M	S	Total
Chittorgarh	Begun	Kherpura	1145	229	20	15	15	50
	Chittorgarh	Nagri	1741	364	15	30	5	50
	Chittorgarh	Surjana	766	160	10	20	20	50
	Bhadesar	Panchdevla	1432	262	5	35	10	50
	Bari Sadri	Khokhriya Kheri	260	61	35	10	5	50
	Bari Sadri	Borundi	736	152	30	15	5	50
	Bari Sadri	Afro ka Talab	341	76	25	20	5	50
	Bari Sadri	R.C. Khera	454	111	40	5	5	50
	Bari Sadri	Lalpura	345	77	45	5	-	50
	Bari Sadri	Payri	784	186	40	10	-	50
Rashmi	Marmi	1765	386	20	25	5	50	

1.11.8 Cropping Patterns & Problems

Taluka	Block	Village	Major crop/ enterprise	PRA completed on date	Problem identified	Ranking of problems
Chittorgarh	Begun	Kherpura	Maize, Soybean, Groundnut, Wheat, Mustard, Gram, Summer groundnut, Animal husbandry, vegetables & orchards.	October, 2023	Low yield of crops, Low productivity of crops, fruits & vegetables and Low productivity of animals, imbalance use of fertilizers.	III
Chittorgarh	Nagri	Nagri	Maize, Soybean, Groundnut, Mustard, Wheat, Summer groundnut, Animal husbandry, vegetables.	December, 2023	Low yield of crops, Low productivity of vegetables and Low productivity of animals, imbalance use of fertilizers.	II
Chittorgarh	Surjana	Surjana	Maize, Blackgram Soyabean, Groundnut, Mustard, Wheat, Barley, Summer groundnut, Animal husbandry, vegetables, floriculture & orchards	November, 2023	Low yield of crops, Low productivity of vegetables & fruits, Low productivity of animals and imbalance use of fertilizers.	II
Bhadesar	Panchdevla	Panchdevla	Maize, Soybean, Wheat, Mustard, Gram, AH	December, 2023	Low yield of crops, Low productivity of vegetables, Low productivity of animals and imbalance use of fertilizers.	III
Barisadri	Khokhriya Kheri	Khokhriya Kheri	Maize, Black gram, Soybean, Wheat, Mustard, Gram, Animal husbandry, vegetables.	October, 2023	Low yield of crops and imbalance use of fertilizers. Problematic soils.	I

	Bari Sadri	Borundi	Maize, Soybean Groundnut, Mustard, Animal husbandry, vegetables and Protect cultivation	December, 2023	Low yield of crops, Low productivity of vegetables and Low productivity of animals, imbalance use of fertilizers.	I
	Bari Sadri	Aafro ka Talab	Maize, Soybean Groundnut, Mustard, Animal husbandry, vegetables.	October, 2023	Low yield of crops, Low productivity of vegetables and Low productivity of animals, imbalance use of fertilizers.	II
	Barisadri	R.C. Khera	Maize, Soybean Groundnut, Mustard, Animal husbandry, vegetables and Protect cultivation	December, 2023	Low yield of crops, Low productivity of vegetables and Low productivity of animals, imbalance use of fertilizers.	I
	Bari Sadri	Lalpura	Maize, Soybean Groundnut, Mustard, Animal husbandry, vegetables.	October, 2023	Low yield of crops, Low productivity of vegetables and Low productivity of animals, imbalance use of fertilizers.	II
	Bari Sadri	Payri	Maize, Soybean Groundnut, Mustard, Animal husbandry, vegetables and Protect cultivation	November, 2023	Low yield of crops, Low productivity of vegetables and Low productivity of animals, imbalance use of fertilizers.	I
	Rashmi	Marmi	Maize, Soybean Groundnut, Mustard, Animal husbandry, vegetables.	December, 2023	Low yield of crops, Low productivity of vegetables and Low productivity of animals, imbalance use of fertilizers.	III

1.11.9 Livestock

1.11.10 Fisheries

1.11.11 Thrust area (Give in the order or priority)

1.11.12 Details of PRA/Problem identification exercise

Village/ Block	Period/months of PRA	Sample size	Agency/ person who did PRA	Ranking of problem	Score of problem
1. Marmi (Rasmi)	September	85	KVK	White rust, Stem rot, Downy Mildew, Painted bug, Aphids in Mustard	1
2.Surajana	May	65	KVK	Sucking pests (white fly, jassids, thrips etc) in Veg.,	1

2. TECHNICAL PROGRAMME

2.1 Targeted mandatory activities by KVK

	No.	Farmers
OFT	01	5
FLD	160	450
Training	29	676
Extension Activities	75	3500

Seed Production (Qt.)	Planting material (Nos.)	Fish seed prod. (Nos)	Livestock production (No.)	Soil/water Samples
250	306200	-	20	500

2.3 Abstract on the number of technologies to be assessed in respect of livestock / enterprises (kharif/rabi)

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-

2.4 Frontline Demonstrations

A. Details of FLDs to be organized –

Seed arranged in quality	Source of seed	Nodal person with contact no.	Village	Block/Taluka
Certified seed	NSC, Chittorgarh	Dr. R.L. Solanki, Mo. 9414497988	Kherpura	Begun
Certified seed	COA, Bhilwara	Dr. R.L. Solanki, Mo. 9414497988	Nagri	Chittorgarh
Certified seed	COA, Bhilwara	Dr. R.L. Solanki, Mo. 9414497988	Surjana	Chittorgarh
Certified seed	COA, Bhilwara	Dr. R.L. Solanki, Mo. 9414497988	Panchdevla	Bhadesar
Certified seed	RSSC, Chittorgarh	Dr. R.L. Solanki, Mo. 9414497988	Khokhriya Kheri	Bari Sadri
Certified seed	RSSC, Chittorgarh	Dr. R.L. Solanki, Mo. 9414497988	Borundi	Bari Sadri
Certified seed	RSSC, Chittorgarh	Dr. R.L. Solanki, Mo. 9414497988	Afro ka Talab	Bari Sadri
Certified seed	RSSC, Chittorgarh	Dr. R.L. Solanki, Mo. 9414497988	R.C. Khera	Bari Sadri
Certified seed	RSSC, Chittorgarh	Dr. R.L. Solanki, Mo. 9414497988	Lalpura	Bari Sadri
Certified seed	COA, Bhilwara	Dr. R.L. Solanki, Mo. 9414497988	Payri	Bari Sadri
Certified seed	COA, Bhilwara	Dr. R.L. Solanki, Mo. 9414497988	Marmi	Rashmi

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
1	Groundnut (NFSM)	GJG-32	ICM	Improved variety and seed treatment measures	Seed, bio fertilizer cultural and P.P.	Kharif, 2024	20	50	Yield, cost of cultivation, gross return, net return, B:C ratio
2	Soybean (NFSM)	JS 20-98	ICM	Improved variety and seed treatment measures	Seed, bio fertilizer cultural and P.P.	Kharif, 2024	20	50	Yield, cost of cultivation, gross return, net return, B:C ratio
3	Black gram (NFSM)	KU-4	ICM	Improved variety and seed treatment measures	Seed, bio fertilizer cultural and P.P.	Kharif, 2024	30	75	Yield, cost of cultivation, gross return, net return, B:C ratio
4	Maize	Bio seed 9544	INM	Improved variety, seed treatment, balance nutrient and PP measure	Seed, bio fertilizer cultural balance fertilizer and P.P.	Kharif, 2024	05	25	Yield, cost of cultivation, gross return, net return, B:C ratio
5	Gram (NFSM)	GNG-2144	ICM	Improved variety seed treatment and P.P. measures	Seed, bio fertilizer cultural and P.P.	Rabi, 2024-25	30	75	Yield, cost of cultivation, gross return, net return, B:C ratio
6	Mustard (NFSM)	RH 761	ICM	Improved variety seed treatment and P.P. measures	Seed, bio fertilizer cultural and P.P.	Rabi, 2024-25	30	75	Yield, cost of cultivation, gross return, net return, B:C ratio
7	Fenugreek	AFG-4/ PRM-45	ICM	Improved variety seed treatment and P.P. measures	Seed	Rabi, 2024-25	05	25	Yield, cost of cultivation, gross return, net return, B:C ratio
8	Papaya	Red lady-786	ICM	Improved variety and seed treatment measures	Seed papaya plant	Rabi, 2024-25	01	10	Yield, cost of cultivation, gross return, net return, B:C ratio
					Total		141	385	

2.5 Sponsored Demonstration

Crop	Area (ha)	No. of farmers
As per allotment	-	-

2.5.1. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	8	Feb, March & Sept	450
2	Farmers Training	14	June, Sept. & Oct.	420
3	Media coverage	80	Jan. to Dec.	-
4	Training for extension functionaries	02	Jan. to Dec.	50-60

2.5.2. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
-	-	-	-	-	-	-

2.5.3 Field days at FLDs

Crop	Season	Probable date of Field Day	Likely participation	Village/ Block	Nodal officer
Soybean	Kharif,2024	Sept.,24	40-50	--	-
Ground nut	Kharif,2024	Sept.,2024	40-45	-	-
Mustard	Rabi.,2024	Feb.,2025	40-50	-	-
Gram	Rabi.,2024	March.,2025	40-45	-	-

2.5.4 Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Deworming	Buffaloes	60	120	Albendazole	Milk yield
Feeding of mineral mixture	Buffaloes and cows	120	70	Mineral mixtures	Milk yield

2.5.5 FLDs on Nutri-garden/nutrition

Month/ Season	Crop/ enterprise	Variety/Breed	Area (ha)/Unit	No. of Demon.
Jan.-Feb., 2024	Nutri-garden	Brinjal, Chili, Okra, Tomato, Cucumber	200m ² each	100
Sept.-Oct.,2024	Nutri-garden	Chili, Tomato, Brinjal, Cauliflower, Carrot, Radish, Coriander, Fenugreek	200m ² each	100

3.0 On Farm Trials

Sl. No.	OFT Title	Crop/ Commodity	Addressing which thrust area	Solving which farmer problem identified in PRA	Recommendations of ZAREC/ any other institutional set up	Source of Technology	Critical input sourcing	Nodal officer with contact details
1.	Low yield of Chickpea	Chickpea	Crop -Weed Competition	Weed management in Chickpea	ZREAC	DWR, Jabalpur	Quizalofop ethyl @ 40 g/ ha (15-20 DAS) (DWR, Jabalpur)	SMS Argo. /Soil

* In one season maximum OFTs may be planned. Must address large area and severest of problem.

** No inbreeding of technologies in OFT

*** Unit level data to be provided for each farmers field/OFT

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Pearl culture	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0
(C) Extension Personnel								
Productivity enhancement in field crops	1	17	4	21	3	1	4	25
Integrated Pest Management	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0
Women and Child care	1	14	0	14	11	0	11	25

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
d) Plantation crops								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
e) Tuber crops								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
f) Spices								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants								
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management								
Soil fertility management	0	0	0	0	0	0	0	0
Soil and Water Conservation	0	0	0	0	0	0	0	0
Integrated Nutrient Management	1	18	2	20	3	2	5	25
Production and use of organic inputs	2	39	8	47	2	1	3	50
Management of Problematic soils	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0
Soil and Water Testing	1	21	2	23	2	0	2	25
IV Livestock Production and Management								
Dairy/ Goat Management	1	12	4	16	8	1	9	25

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
Nursery management	0	0	0	0	0	0	0	0
Integrated Farming Systems (Agro)	0	0	0	0	0	0	0	0
XII Others (Pl. Specify)	0	0	0	0	0	0	0	0
TOTAL	15	190	86	276	38	12	50	326

5.3 Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	28	10	38	13	9	22	50
Resource Conservation Technologies	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0
Water management	1	15	4	19	7	4	11	25
Seed production	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Crop Management	0	0	0	0	0	0	0	0
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
II Horticulture								
a) Vegetable Crops								

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
Production and use of organic inputs	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Any other (Pl. Specify)	0	0	0	0	0	0	0	0
Total	3	45	4	49	25	1	26	75
G. TOTAL	29	365	175	540	94	43	136	676

Details of training Programmes attached in Annexure -I

5.4 Training Material

Season	Crop/ Commodity	Theme	Content developed (attach PDF)	Author(s)	Experience in the field	Additional knowledge gap (refer to PRA done in KVK)
-	-	-	-	-	-	-

Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0
Celebration of important days (specify)	10	0	0	0	0	0	0	0	0	0
Krishi Mohotsav	1	0	0	0	0	0	0	0	0	0
Krishi Rath	0	0	0	0	0	0	0	0	0	0
Pre Kharif workshop	1	0	0	0	0	0	0	0	0	0
Pre Rabi workshop	1	0	0	0	0	0	0	0	0	0
PPVFRA workshop	0	0	0	0	0	0	0	0	0	0
Any Other (Specify)	0	0	0	0	0	0	0	0	0	0
Total	1011	1950	450	2400	20	5	25	1970	455	2425

7.Target for Production and supply of Technological products

7.1 SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qt.)	Source of parent seed (agency)	Quantity (kg.)	Indent given to agency or not
CEREALS						
	Wheat	Raj. 4238	-	-	-	-
	Barley	RD 2907	-	-	-	-
OILSEEDS						
	Groundnut	PRM-3	-	-	-	-
	Soybean	JS 20-98	-	-	-	-
	Mustard	RH 761	-	-	-	-
PULSES						
	Blackgram	KU-4	-	-	-	-
	Gram	GNG-2144	-	-	-	-
VEGETABLES						
	-	-	-	-	-	-
OTHERS (Specify)						
	-	-	-	-	-	-

7.2 PLANTING MATERIALS

SI. No.	Crop	Variety	Quantity (Nos.)	Mother orchard in place or not
FRUITS	Guava	Pant Prabhat/Thai super	2000	
	Custard apple	Super Golden/ ArkaSahan	3000	
	Lime	Kagzi	2500	
	Papaya	Red lady-786	12000	
	Mango	Amrapali / Dasherri / Mallika	500	
	Jackfruit	Local	2000	
	Anola	Chakiya	0500	
	Sapota	Cricket ball	0200	
SPICES	-	-	-	
VEGETABLES	Chili	Sitara	25000	
	Tomato	As per demand by farmers	12000	
	Brinjal	As per demand by farmers	8000	
FOREST SPECIES	-	-	-	
ORNAMENTAL CROPS	Rose	Ganga nagri	200	
	Ornamental	-	500	
		Total	60400	

7.3 Bio-products

SI. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1	Vermi compost	Organic khad	-	6000.00
2	Vermiculture	Isenia foteida	-	250.00

7.4 LIVESTOCK

S. No.	Type	Breed	Quantity		Potential area of absorption (block)	Likely cost on production
			(Nos)	Unit		
Cattle	-	-	-	-	-	-
Goat	Goat	Sirohi	15	1	-	3.50 Lac-
Sheep	-	-	-	-	-	-
Poultry	-	-	-	-	-	-
Pig farming	-	-	-	-	-	-
Fisheries	-	-	-	-	-	-

8. Literature to be Developed/Published

(A) KVK News Letter

Date of start :

Number of copies to be published :

(B) Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	
	> 6.0 score	-
	< 6.0 score	02
2	Technical reports	08
3	News letters	-
4	Training manual all discipline	12
5	Popular article	14
6	Extension literature	06

	Total	42
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(C) Details of Video clips/video films/documentary, etc. `

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

9. Success stories identified for development as a case. -

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
 - i) Social economic
 - ii) Bio-Physical
- f. Good Action Photographs

10. Case studies to be conducted

1. Title/Topic
2. Crop/Area/Resource
3. Number of sample farmers (proposed)
4. Block/village
5. Likely date of start
6. Likely date of completion
7. Nodal person for case study
8. KVK intervention/participation

11.Indicate the specific training need analysis tools/methodology followed for

Practicing Farmers

- Excessive amount of chemical is being used for soybean crop. Spraying on the crop for weed management is not being done at the right stage.
- Farmers are mostly dependent on local shopkeepers.
- Low SRR of wheat (32.86%), gram (12.22%), training of seed production technique is required on priority.
- Farmers following flood method of irrigation for wheat & gram. They need training for water saving and WUE by application micro irrigation methods
- Farmers are using imbalanced fertilizer application and improper water management in summer groundnut which is grown in area of 2500 ha
- Poor feeding & management of milch animals. They need trainings on proper feeding & management of poultry, goatry & dairy animals.
- Farmers require a training on improved production technology of seed spices given that it covers 26656 ha area especially Ajwain 12500 ha & Methi 5500 ha
- Farmers require training on kinnow & custard apple orchard management for the district

Rural Youth

- a)
- b)
- c)
- d)

In-service personnel

- a)
- b)
- c)

12 Indicate the methodology for identifying OFTs/FLDs

For OFT:

	Village	Sample size	Involvement of SAUs/KVKs	Nodal officer
i) PRA	-	-	-	-
ii) Problem identified from Matrix	-	-	-	-
iii) Field level observations	-	-	-	-
iv) Farmer group discussions	-	-	-	-
v) Others if any	-	-	-	-

For FLD:

- i) New variety/technology
- ii) Poor yield at farmers level (yield gap)
- iii) Existing cropping system
- iv) Others if any

13 Field activities

- i. Name of villages identified/adopted with block name (from which year) -
- ii. No. of farm families selected per village:
- iii. No. of survey/PRA conducted:
- iv. No. of technologies taken to the adopted villages
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

14. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab: Mini soil testing Kit

14.1 Year of establishment :2012-13

14.2 List of equipment's purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Mini soil Testing kit	01	1.0 Lac

14.3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	400	400	07	4000
Water	100	100	07	1000
Plant	0	0	0	0
Total	500	500		5000

15 LINKAGES

15.1 Functional linkage with different organizations

S.No.	Name of organization	Nature of Linkage
1.	State Dept. Of Agriculture	Organizing sponsored training programs and other field activities, <i>i.e.</i> field days, farmers fair, <i>Kharif</i> and <i>Rabi Abhiyan</i>
2.	State Dept. Of Horticulture	-do-
3.	Soil Conservation and Watershed Development Department	-do-
4.	Adaptive Trial Center (ATC)	Conducting adaptive trials at KVK to confirm the research result
5.	Soil Testing Laboratory, Dept. of Agri.	Providing Soil Health card on the basis of soil test report of farmers soil samples so that fertilizer can be used as per recommendation
6.	Seed Testing Laboratory	Awakening farmers to use good quality through seed testing reports
7.	Dept. Of Animal Husbandry	Animal treatment camp & Exhibition
8.	DRDA	Regarding vocational training programs and assistance for infrastructure development
9.	Dept. Of Forest	Regarding plantation and conduct of on and off campus training
10.	NABARD	To organize training on commodity trade/ FPO

15.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage
1	Farmer-Scientist Interaction, Alide sector Demonstration, Innovation (Azolla)	To be Implemented by KVK
2	Meeting attend	GB and others

15.3 Give details of programmes under National Horticultural Mission/ MoFPI /MoRD

S. No.	Programme	Nature of linkage
1		
2		

15.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		
2		

16 Utilization of hostel facilities

S. No.	Programme	No. of days
1	Training programme	As per required
	Total	

17 Convergence with departments:

- Will be organized farmer-scientist interaction with dept. i.e. ATMA.
- Training with extension workers of agriculture dept. and animal dept., horticulture

18 Feedback of the farmers about the technologies demonstrated and assessed:

- ❖ Variety of Black gram in Chittorgarh district were affected by YMV in some extent.
- ❖ Farmers were convinced about seed treatment with rhizobium & PSB culture to give healthier plant.
- ❖ Farmers preferred custard apple variety NMK-1 for establishment of orchard. So, they were provided the required. planting material.
- ❖ Nursery seedlings of hybrid vegetables were demanded by farmers.
- ❖ Many farmers are using organic manures like vermi compost to maintain the soil fertility status.
- ❖ An increase in vermi compost unit was noticed in District
- ❖ Farmers are attracting towards the use of bio fertilizer with seed treatment.
- ❖ Farmers are taking green manures in kharif season.
- ❖ Many farmers always use soil health card for appropriate fertilizers in right quantity on soil test.
- ❖ Promotional activities were demanded for balanced ration in dairy animal.

19 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:

Crop production-

- Resistance varieties for YMV in black gram crop to be developed
- Varieties with high harvest index to be developed in pulses.
- Efforts are needed to develop short duration, high yielding varieties which are resistant to wilt, dry root and insect-pest.
- Short duration varieties of mustard crop needed to be introduced in this region.
- Farmers need training program related to judicious use of pesticides and use of proper formulations.
- Planting of soybean and chickpea on raised bed should be introduced.
- Inter cropping of suitable crops in sugarcane.

Horticulture -

- Area specific hybrid varieties of vegetables should be developed for this region.

Soil Science-

- Popularization of liquid bio -fertilizers and recommended dose ha⁻¹ for seed treatment
- Requirement of RDF in organic farming for maize, wheat, soybean groundnut crop

Livestock Production -

- Improve currently used balance ration feed

- Awareness is needed for vaccination

29.0 Target for Revolving Funds

Year	Revolving Fund (Rs.)	Activities conducted/ proposed to accomplish RF	Income (Rs. in lakhs)/Target	Expenditure (2022-23) Rs. in lakhs	Balance (Rs. in lakhs)
2022-23	Rs. Opening 2390228.20	Orchard, vermicompost, goat, poultry etc.	1363320.00	841153.00	1987921.20
2023-24	Expected RF	1. Orchard/Nursery/ Seed production 2. vermicompost, 3. Goat 4. Poultry	1510000.00	-	-

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
February, 2024	PF	Production technology of Soybean & Groundnut	4	15	-	15	10	-	10	25
Oct., 2024	PF	Nutrient and Water management in Wheat	4	15	-	15	10	-	10	25
Horticulture										
June, 2024	PF	Layout and management of orchards	4	15	-	15	10	-	10	25
Sept, 2024	PF	Production technology of seed spices (Fenugreek & Coriander)	4	15	-	15	10	-	10	25
Livestock prod.										
February, 2024	PF/FW	Feeding, housing & breeding management of goat	4	15	-	15	10	-	10	25
Nov., 2024	PF	Health and housing management of poultry	4	15	-	15	10	-	10	25
Argil. Engg.										
	PF	-	-	-	-	-	-	-	-	-
Home Sc.										
March, 2024	PF/FW	Minimization of nutrient losses in processing (vegetables)	4	15	-	15	10	-	10	25
Sept., 2024	PF/FW	Development of nutrition garden for farm families	4	15	-	15	10	-	10	25
Dec., 2024	PF/FW	Preservation and value addition of winter season fruits & vegetables	4	15	-	15	10	-	10	25
Plan protection.										

	PF		-	-	-	-	-	-	-	-
Fisheries										
	PF	-	-	-	-	-	-	-	-	-
Soil Health										
		-								
April., 2024	PF	Management of problematic soils	4	14	1	15	10	-	10	25
June, 2024	PF	Integrated nutrient management in Maize	4	12	3	15	10	-	10	25
Nov., 2024	PF	Production and use of organic inputs (Vermicompost, Vermiwash etc.)	4	11	5	16	9	-	9	25

ii) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
June., 2024	PF	Fertilizer and weed management in maize and soybean	1	13	04	17	4	03	7	25
Sept., 2024	PF	Seed treatment in mustard & gram	1	16	02	18	6	1	7	25
Oct., 2024	PF	Improved production technology of opium	1	16	02	18	07	00	7	25
Horticulture										
March., 2024	PF	Lay out of guava orchard	1	14	04	18	5	02	7	25
Octo., ,2024	PF	Improved production technology of pea	1	16	02	18	4	3	7	25
Live Stock Production.										
August, 2024	PF	Azolla production technology	1	16	02	18	6	01	7	25
Nov., 2024	PF	Backyard poultry management	1	12	02	14	8	3	10	25
Home Sc.										
April., 2024	PF	Layout and preparation of Nutri-garden	1	-	22	22	0	0	3	25
August, 2024	PF	Health and nutrition education for farm women	1		25	25	-	0	0	25

Dec., 2024	PF	Preservation & Value addition of seasonal fruits & vegetables	1		14	14	-	11	11	25
Agril. Engg.										
	PF									
Plant Protection										
	PF	Fall army management in maize	1	13	6	19	4	2	6	25
Fisheries										
	PF									
Soil health										
Feb., 2024	PF	Soil sampling techniques	1	14	03	17	4	3	7	25
May, 2024	PF	Summer ploughing and its importance	1	15	03	18	5	02	7	25
June, 2024	PF	Soil health card and utility	1	11	5	17	3	05	8	25
Oct, 2024	PF	Preparation of vermicompost	1	13	03	16	8	1	9	25

ii) Vocational training Programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G. Total
					M	F	T	M	F	T	
Soil Science/Agronomy	Skill Development	Organic cultivator	Feb., 2024	21days	10	-	10	10	-	10	20

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										
April, 2024	Rural youth	Integrated crop management in Soybean	15	10	-	10	5	-	10	25
Sept., 2024	Anganwadi workers/Sathin	Health & nutrition education for women	2	-	20	20	-	5	10	25

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training programmes											
				As per allotment							
			Total								
b) Sponsored research programme											
			Total								
c) Any special programmes											
			Total								