

DETAILS OF ACTION PLAN OF KVKs DURING 2021

(1st January 2021 to 31st December 2021)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
	Office	FAX		
Krishi Vigyan Kendra, Post Box No.- 15, Sirohi-307001 (Rajasthan)	02972293230		pckvksirohi@yahoo.com	Kvksirohi.org

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

Address	Telephone		E mail	Website
	Office	FAX		
Vice-chancellor Agriculture University, Jodhpur- 313 001 Rajasthan	0291 2571347	0291 2571813	vcunivag@gmail.com	www.aujodhpur.ac.in

1.2.b. Status of KVK website: Yes

1.2.c. No. of Visitors (Hits) to your KVK website (as on today):

1.2.d Status of ICT lab at your KVK: No

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. M.S. Chandawat Senior Scientist & Head Krishi Vigyan Kendra, Sirohi Post Box No.- 15 District- Sirohi Pin code- 307 001 Rajasthan, India	02972 220244	8849517636	drchandawat@rediffmail.com

1.4. Year of sanction: 16 September 1989

1.5. Staff Position (as on 1 January, 2021)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach
1	Programme Coordinator	Dr. M S Chandawat	Senior Sci. & Head	Ext. Edu.	37400 - 67000	9000	47800	3.5.18	Permanent	Gen	8849517636		

2	Subject Matter Specialist	Ms Suman Sharma	SMS	Ext. Edu	15600 - 39100	5,400	21000	21.2.18	Permanent	Gen	7615824629		
3	Subject Matter Specialist	Dr. RPS Jetawat	SMS	P. Path	15600 - 39100	5,400	21000	20.2.18	Permanent	Gen	7737891990		
4	Subject Matter Specialist	Ms. Kamini Parashar	SMS	Horti.	15600 - 39100	5,400	21000	24.2.18	Permanent	Gen	9057510027		
5	Subject Matter Specialist	Ms Aabha Parashar	SMS	Agron	15600 - 39100	5,400	21000	22.3.18	Permanent	Gen	8619232653		
6	Subject Matter Specialist	Dr. Ankita Sharma	SMS	H. Sc.	15600 - 39100	5,400	21000	26.3.18	Permanent	Gen	9414465592		
7	Section officer	Ratan Singh Shaktawat	Field Investigator	-	Fixed-6000	-	6000	15.11.01	Permanent	Others	8619489626		
8	Programme Assistant	Sh. Bhanwar lal Choudhary	PA(Lab tech.)		9300-34800	26500	26500	5.10.18	Permanent	OBC	9785310792		
9	Computer Programmer	Sh. Vikas Choudhary	PA(Computer)		9300-34800	4200	37800	6.10.18	Permanent	OBC	8209299231		
10	Farm Manager	Dr. Hari Singh	Fram Manager		9300-34800	4200	37800	4.10.18	Permanent	OBC	9887524626		
11	Accountant / Superintendent								Permanent				
12	Stenographer	Sh. Akash Khatri	Steno.		5200-20200	14600	20800	5.10.18	Permanent		9269548888		
13	Driver	Sh. Gajendra Jat	Driver		5200-20200	13500	19200	4.10.18	Permanent	OBC	6375986618		
14	Driver	Sh. Dileep Singh	Driver		5200-20200	13500	19200	5.10.18	Permanent	SC	9001262700		
15	Supporting staff	Sh. Chatar Singh	Class IV	-	5200-20200	10520	31100	28.5.16	Permanent	Others	9828965773		
16	Supporting staff	Sh. Narayan Singh	Class IV	-	5200-20200	7550	24700	22.2.17	Permanent	Others	8094078745		

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.5
2.	Under Demonstration Units	1
3.	Under Crops	22
4.	Orchard/Agro-forestry	4
5.	Others (specify) (Uncultivated)	5

1.7. Infrastructural Development:

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	1995	374.4	Kept with EO	-	-	-
2.	Farmers Hostel	ICAR		328.52		-	-	-
3.	Staff Quarters (6)	ICAR	2007	3365	Kept with EO	-	-	-
4.	Demonstration Units (2)	ICAR	29.5.10	0.6	Kept with EO	-	-	-
5	Fencing	ICAR	2011	Partial	Kept with EO	-	-	-
6	Rain Water harvesting system	ICAR	2008	Completed	10.0 lakh	-	-	-
7	Threshing floor	ICAR	2008	Completed	1.00 lakh	-	-	-
8	Farm godown	ICAR	2009	Completed	Kept with EO	-	-	-
	Modal Nursery	NHM	2009	Completed	18.0 lakh	-	-	-
9	Goat Unit	ICAR	29.5.10	Completed	Kept with EO	-	-	-
10	Fencing	RKVY	2012	Partial	Kept with EO	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Motor cycle Hero Honda	8.3.1999	0.37	18655	Not Working
Jeep Bolero	24.4.2005	4.35	4,07,753	Working
Tractor old	31.03.1995	2.22	-	Working
Motorcycle Hero Honda Passion Pro	26.3.2011	0.48700	32630	Working
Tractor new	22.05.2019	5.50	670 hours	Working

C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status

1.8. A). Details of SAC meetings to be conducted in the year

S.No.	Date
1. Scientific Advisory Committee	15 October 2020

2. DETAILS OF DISTRICT

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

S.No	Farming system/enterprise
1	Agriculture
2	Agriculture + Animal Husbandry
3	Agriculture + Service
4	Agriculture + Business

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

a) Soil type

Sl. No.	Agro-climatic Zone	Characteristics
1	Agro-climatic zone II b i.e. "Transitional plain of Luni Basin"	Irrigated, normal soil, rainfed, medium to deep soil
2	Zone IV a i. e. "Sub humid Southern plain and Aravali Hills"	Rainfed, medium textured, shallow to moderate deep, undulated and hilly, irrigated medium to heavy texture, moderately deep to very large

b) Topography

S. No.	Agro ecological situation	Characteristics
1	Western Plain, Kachchh And Part Of Kathiawar Peninsula, Hot Arid Eco-Region (2.3)	Rainfed, medium textured, shallow to moderate deep, undulated and hilly

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1.	Sandy loam to loamy	Low N & P, Calcium carbonate concretions occurs at various depths influencing the effective soil depth salinity, sodicity in same area	315934
2.	Loamy sand to clay, loam lethosols	Low in N, medium in P and medium to high in K, low WHC, water erosion of soil is common	202013

2.4. Area, Production and Productivity of major crops cultivated in the district (2020)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1.	Maize	20605	35466	1721
2.	Sorghum	4214	2638	626
3.	Pearlmillet	6609	4389	664
4.	Greengram	6419	1964	306
5.	Pigeonpea	66	33	500
6.	Groundnut	13590	23130	1702
7.	Sesame	17708	4129	233
8.	Castor	43296	62747	1449
9.	Cotton	3673	7069	332
10.	Clusterbean	12892	7232	561
11.	Wheat	29066	87890	3024
12.	Barely	708	2604	3597
13.	Chickpea	708	626	844
14.	Mustard	10953	11987	1094
15.	Cumin	6335	3715	586
16.	Fennel	8737	7799	893
17.	Isabgol	556	320	576
18.	Other	11900		

Source: District agriculture department.

2.5. Weather data (2020)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January	0.00	-	-	-	
February	0.00	-	-	-	
March	8.80	-	-	-	
April	0.00	-	-	-	
May	9.08	-	-	-	
June	43.76	-	-	-	
July	109.94	-	-	-	
August	441.82	-	-	-	
September	135.26	-	-	-	
October	1.00	-	-	-	
November	0.00	-	-	-	
December	0.00	-	-	-	

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	3089	-	-
<i>Indigenous</i>	191486	-	-
Buffalo	186218	-	-
Sheep			
Crossbred	-	-	-
<i>Indigenous</i>	205736	-	-
Goats	307708	-	-
Pigs	-	-	-
<i>Crossbred</i>	-	-	-
Rabbits	737	-	-
Poultry			
Hens	-	-	-
<i>Desi</i>	52209	-	-
<i>Improved</i>	-	-	-
Ducks	-	-	-
Turkey and others	-	-	-

*Statistical report

2.7 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Sirohi, Sheoganj, Pindwara, Aburoad and Reodar	Sironi Sheoganj Pindwara	Satapura	Mustard, Wheat, Mustard, Cotton, Castor, Sesame, Green gram, Black gram, Maize, Okra, Lemon, Papaya	<ul style="list-style-type: none"> ➤ Low productivity of crops viz. castor, cotton, fennel and mustard ➤ Lack of knowledge ➤ Practicing broadcast method of sowing of mustard, wheat, ➤ Inefficient use of irrigation water ➤ Least adoption of horticultural crops ➤ Scarcity of irrigation water ➤ Low economic status of farm families ➤ Low milk yield of indigenous cattle, buffalo & goat ➤ Heavy attack of pest & disease in castor, tomato & fennel ➤ Mal nutrition in farm women & children 	Front Line Demonstration Trainings for farmers and farm women Trainings for Rural youth Trainings for Extension functionaries Availability of Agricultural magazines and Krishi Calendar Seed production Back Yard Poultry Farm
		Rukhara	Wheat, mustard, maize, cotton, sesame, green gram, castor, fennel, papaya, lemon, Mango	• -do-	-do-
		Arthwara	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chlli, Bottle guard, Citrus, Fennel, papaya, Clusterbean, Lemon, Castor	• -do-	-do-

	Bhev	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chlli, Bottle guard, Citrus, Fennel, papaya, Clusterbean, Lemon, Castor	• -do-	-do-
	Thandiberri	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chlli, Bottle guard, Citrus, Fennel, papaya, Clusterbean, Lemon, Castor Livestock-Chicks, Goat	• -do-	-do-
	Kacholi	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chlli, Bottle guard, Citrus, Fennel, papaya, Castor	• -do-	-do-
	Moras	Wheat, Sesame, Mustard, Green gram, Maize, Okra, Chlli, Citrus, Fennel, papaya, Kharif Onion	• -do-	-do-
	Veerwada	Wheat, Sesame, Mustard, Green gram, Maize, Okra, Chlli, Citrus, Fennel, papaya, Kharif Onion	• -do-	-do-
Aburoad	Panchdeval	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chlli, Bottle guard, Citrus, Fennel, papaya	• -do-	• -do-
	Phulabaikak heda	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chlli, Bottle guard, Citrus, Fennel, papaya	• -do-	-do-

		Jhamar	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chlli, Bottle guard, Citrus, Fennel, papaya	• -do-	• -do-
		Awal	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chlli, Bottle guard, Citrus, Fennel, papaya	• -do-	-do-
	Reodar	Positara	Wheat, Cotton, Castor, Sesame, Mustard, Green gram, Maize, Okra, Chlli, Bottle guard, Citrus, Fennel, papaya	• -do-	• -do-
		Pithapura	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chlli, Bottle guard, Citrus, Fennel, papaya Lemon, Sapota, Mango	• -do-	-do-
		Nimboda	Tomato, Mustard, Curliflower, Cabbage, Sesame, Chilli, Okra, Bottle Guard	• -do-	-do-

2.8 Priority thrust areas

Crop/Enterprise	Thrust area
Papaya, Citrus, mango, and ber in fruits, tomato and chillies in vegetables, fennel and cumin in spices	Diversification of existing cropping pattern by expanding area under horticulture.
Castor	High yielding varieties and Change in crop geometry
Cotton	Integrated pest management and INM
Fennel	High yielding varieties, Irrigation management and change in crop geometry.
Mustard	High yielding varieties and INM
Wheat	High yielding varieties
Maize	High yielding varieties
Green Gram	High yielding varieties and INM
Cluster bean	High yielding varieties
Sesame	High yielding varieties and INM
Cumin	High yielding varieties
Goat (Sirohi-goat)	Promotion of dual-purpose breed of goat (Sirohi-goat)
Cow and buffaloes	Improvement in local breeds of cow and buffaloes through scientific breeding, AI, feeding and management
Dry land farming	Promotion of dry land farming technologies in watershed areas of the district.
Castor, fennel and tomato	Popularization of IPM, IPNS, IWM technologies in commercial crops
Drudgery reducing measure	Introduction of drudgery reducing measure in agriculture and animal husbandry activities especially for women and improvement in health, hygiene and nutrition status of rural families and formation of Self-Help Groups
Vocational trainings for rural	Organizing vocational training's for rural youth on dairy management, nursery raising, cutting & tailoring and fruit & vegetable preservation

3. TECHNICAL PROGRAMME

3. A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
3	30	148	492

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
82	2065	343	7272

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
80	95,000	-	100

3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions				Extension activities	Supply of seeds, planting materials etc.
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any		
1	Crop Management	Maize	Low productivity of Maize		To demonstrate the high yielding	Production technology of Maize	-	Field Day	
2	Varietal evaluation	Papaya	Low productivity of papaya	Evaluation of suitable variety of Papaya under Sirohi District	To demonstrate production potential of the high yielding variety	-	-	-	
3	To increase the productivity of castor crop	Castor	Use of old variety GCH4 which is susceptible to wilt and root rot		Increase productivity of castor by adopting latest technology	Production Technology of castor	-	-	
4	Intergrated crop management	Green gram	Low productivity of green Gram		Production potential of new variety	Agro technique of greengram	-	Field day	

B. Details of On Farm Trial

OFT-1

Title of OFT	Management of root-knot nematode in castor in Reodar
Season and year	2021
Problem identified	Integrated nematode management in castor
Objective	Effective management of root-knot nematode in castor
Number of trials	10 (4 ha)
Treatments	T ₁ : Carbofuran 3G @ 2 kg a.i./ha T ₂ : 2 summer deep ploughing, seed treatment with Carbosulfan 25 EC @ 2 ml/kg seed, application of neem cake @ 4 q/ha, Carbofuran 3G @ 2 kg a.i. /ha
Source of technology	IIOR, Hyderabad
Reason	Lack of knowledge about management of nematodes infestation
Performance indicators	Yield (q/ha) Gross returns (Rs/ha) Net return (Rs/ha) B:C ratio Dieses Percent Incidence

OFT-2

Title of OFT	Response of castor to varying planting distance for growth, yield components and yield
Season and year	Kharif 2021
Problem identified	Lack of optimum production
Number of trials	10
Treatments	T1 – farmer Practices (local variety GCH-7+ 90- 120 X45 cm) T2 – GCH-8+ Planting distance 120 cm X 60 cm T3 – GCH-8+ Planting distance 150 cm X 75 cm T4 – GCH-8+ Planting distance 180 cm X 100 cm
Source of technology	SDAU, Dantiwara, Gujrat
Reason	Use of local varieties which is susceptible to diseases and get low productivity. High incidence of diseases.
Performance indicators	A. Growth Parameter 1.Number of branches 2. Number of capsules per branch B. Economical: 1. Seed Yield (q/ha) 2. Gross return (Rs/ha) 3. Net return (Rs/ha) 4. B: C ratio

On Farm Trial 3

Assessment the impact of optimum seed rate with optimum spacing in cumin (*Cuminum cyminum L.*) crop (First Year)

1. Title of Technology Assessment : Response of cumin (*Cuminum cyminum L.*) to seed rate with line sowing

2. Problem Diagnose/defined :

Cumin (*Cuminum cyminum L.*) is an important seed spice crop grown in sub-tropical parts of India and is cultivated mainly in Rajasthan. Maintenance of optimum plant population is an important agronomical aspect of crop production. The production per plant is always greater in wider spaced plant; however, better performance of the individual plant with wider spacing cannot compensate the loss in yield with low plant population. On the other hand, the struggle for existence increases with increase in plant population because of competition for growth factors. Such competition can be reduced by maintaining an optimum row spacing and seed rate. However, the optimum seed rate for higher yield with optimum spacing (22.5 cm). Since meagre information is available on these aspect, the present study OFT carried out to find out the optimum seed rate with line sowing for maximum yield of cumin.

Cumin cultivation is being practiced in Sirohi District in Rabi season. In Sirohi, it covers an area of 5257ha under irrigated area (Government of Rajasthan, 2019). Farmers got low yield due to broadcasting method of sowing. For spices crop, proper seed rate and distance is essential element for getting

optimum production. Farmers are not aware about the importance of sowing method in cumin production. Thus, the KVK decide to conduct an on farm testing on assessment on proper seed rate with line sowing is to be taken.

3. Treatments : T₁ – Farmer Practices (Seed rate 18kg/ha + Broadcasting Method)

: T₂ – Seed rate 15 kg/ ha + Line sowing

: T₃ – Seed rate 12 kg/ ha + Line sowing

: T₄ – Seed rate 10 kg/ ha + Line sowing

Critical inputs:-Seed and Trichoderma

Source of technology:- State Agriculture Department/ SKNAU, Jobner

Specification of OFT:

1. Plot size – 0.4 ha

2. Total area – 4 ha

3. No. of Farmers: 10

4. Performance of the technology with performance indicators:

A. Technical

- 1. Umbels/ plant
- 2. Grains/Umbels
- 3. Test weight (g)

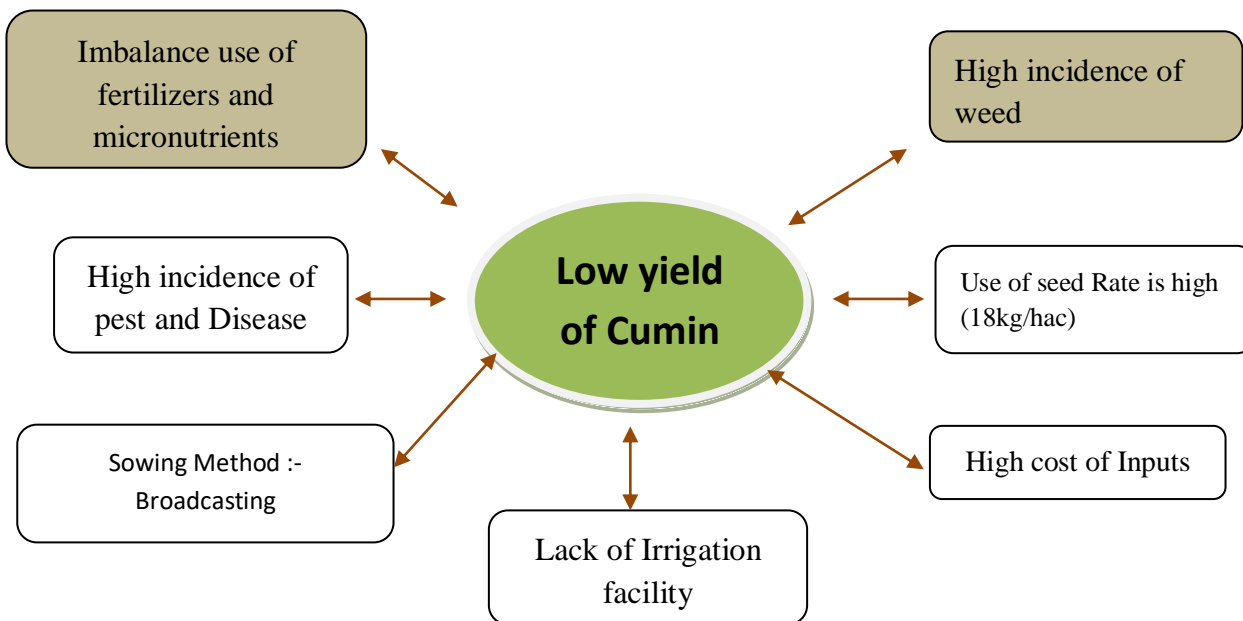
B. Economical

- 1. Seed Yield (q/ha)
- 2. Gross return (Rs/ha)
- 3. Net return (Rs/ha)
- 4. B: C ratio

7. No. of farmers and Area (ha) : No. of farmers –10 (4 ha)
Area under treatment: - 0.4 ha. at each farmer field

8. Total cost per demo. (Rs.) :10000./-

Problem Cause Diagram



3.2 Frontline Demonstrations

A. Details of FLDs to be organized -

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmer s/ demon .	Parameters identified
1	Pearlmillet	MPMH-17	ICM	Seed treatment, IWM, INM, IPM	Seed , <i>Azotobacter</i> , PSB, Atrazine, Carbendazim 50 WP and Zinc sulphate, Chlorpyrifos.	Kharif-2021	10 ha	25	Yield per ha., B:C ratio
2	Greengram	GM-6	ICM	Seed treatment, IWM, INM, IPM	Carbendazim 50 WP, <i>Trichoderma viride</i> , <i>Rhizobium</i> & PSB, Pendimethalin 30 EC, Imazethapyr 10 SL, Acephate 75 SP.	Kharif-2021	20 ha	50	Yield per ha., B:C ratio
3	Sesame	RT-351	ICM	Seed treatment, IWM, INM, IPM	Seed, PSB, <i>Azotobacter</i> , Carbendazim 50 WP, Imidacloprid	Kharif-2021	30 ha	75	Yield per ha., B:C ratio
4	Mustard	Giriraj	ICM	Seed treatment, IWM, INM, IPM	Seed, Gypsum, ZnSO ₄ , <i>Trichoderma viride</i> , Carbendazim 50 WP, <i>Azotobacter</i> , PSB, Pendimethalin 30 EC, Dimethoate 30 EC	Rabi-2021	50 ha	125	Yield per ha., B:C ratio
5	Chickpea	GNG-2144	ICM	Seed treatment, IWM, INM, IPM	Seed, Carbendazim 50 WP <i>Rhizobium</i> & PSB, <i>Trichoderma viride</i> , Pendimethalin, quinalphos 1.5 % dust.	Rabi-2021	20 ha	50	Yield per ha., B:C ratio
6	Cumin	GC-4		Seed treatment, IWM, INM, IPM	Seed, Sulphur, Oxadiargyl , Soil treatment by <i>Trichoderma viride</i> , Thiamethoxam 25 % WG, Acephate 75 % SP.	Rabi-2021	5 ha	10	Yield per ha.
7	Nutri Garden Kit (Kharif 2020-21)					Kharif-2021		50	Vegetable Consumption at household level
8	Wheat (TSP)	Raj-4238		Seed treatment, IWM, INM, IPM		Rabi-2021	10	25	Yield per ha., B:C ratio
9	Onion	L-883	ICM		Seed	Kharif	2	10	Yield per ha.
10	Marigold	Pusa Narangi/ Arka Pari	ICM	Seed treatment	Seed	Kharif	1	12	Yield per ha.
11	Nutri Garden Kit (Rabi 2020-21)					Rabi-2021		50	Vegetable Consumption at household level
Total							148	492	

Sponsored Demonstration

Crop	Area (ha)	No. of farmers
Pearlmillet (AICRP)	10	25
Greengram(NFSM- Pulses)	20	50

Sesame(NFSM-Oilseeds)	30	75
Mustard(NFSM-Oilseeds)	50	125
Chickpea(NFSM- Pulses)	20	50
Cumin (MIDH)	5	10
Wheat (TSP)	10	25

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	8		500
2	Farmers Training	4		130
3	Media coverage	10		
4	Training for extension functionaries	1		20

C. 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
Storage bin	All crops	2021	50	50 farmers	Iron Storage bin	Safe storage of seed and grains
Knapsack sprayer	All crops	2021	50	50 farmers	Battery operator knapsack sprayer	Efficient spraying drudgery reduction in operation
Tarpauli	All crops	2021	50	50 farmers	Tarpauli size 15x18 feet/18x21 feet	To maintain farm produce quality while harvesting and prevent wastage

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Poultry	Ankleshwar/Pratapdhan/Kadaknath	35	700	700 chicks(35 days old)	Enhance income of family and its nutritional security

Poultry production	0	0	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Any other (RAWWE)	0	0	0	0	0	0	0	0	0	0
TOTAL	2	18	4	22	16	2	18	34	6	40
(C) Extension Personnel										
Productivity enhancement in field crops	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Women and Child care	2	20	10	30	10	10	20	30	20	50
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	2	30	0	30	15	5	20	45	5	50
Management in farm animals	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0	0	0
Any other (pl.specify)	0	0	0	0	0	0	0	0	0	0
TOTAL	4	50	10	60	25	15	40	75	25	100
Grand Total	36	348	159	507	211	172	383	559	331	865

Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Any other (pl.specify)	0	0	0	0	0	0	0	0	0	0
TOTAL	2	18	4	22	16	2	18	34	6	40
(C) Extension Personnel										
Productivity enhancement in field crops	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Women and Child care	3	35	15	50	15	10	25	50	25	75
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	2	20	5	25	20	5	25	40	10	50
Information networking among farmers	2	20	5	25	20	5	25	40	10	50
Capacity building for ICT application	2	30	0	30	15	5	20	45	5	50
Management in farm animals	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0	0	0
Any other (pl.specify)	0	0	0	0	0	0	0	0	0	0
TOTAL	9	105	25	130	70	25	95	175	50	225
Grand Total	87	728	444	1172	556	437	993	1284	881	2165

3.4. 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	8	350	140	490	10	5	15	360	145	505
KisanMela	1	400	100	500	10	5	15	410	105	515
Kisan Ghosthi	10	300	150	450	20	8	28	320	158	478
Exhibition	1	450	150	600	10	5	15	460	155	615
Film Show	10	380	120	500	8	8	16	388	128	516
Farmers Seminar										
Workshop										
Group meetings	4	280	60	340	3	3	6	283	63	346
Lectures delivered as resource persons	60	800	350	1150	40	20	60	840	370	1210
Newspaper coverage	50									
Radio talks	10									
TV talks	-									
Popular articles	10									
Extension Literature	10									
Advisory Services	150	10000	2000	12000	15	7	22	10015	2007	12022
Scientific visit to farmers field	75	200	80	280	10	30	40	210	110	320
Farmers visit to KVK	70	580	320	900	15	20	35	595	340	935
Diagnostic visits	6	60	10	70	4	3	7	64	13	77
Exposure visits	4	10	5	15	3	1	4	13	6	19
Ex-trainees Sammelan	1	120	50	170	1	3	4	121	53	174
Soil health Camp	1	150	50	200	2	3	5	152	53	205
Animal Health Camp	1	150	50	200	5	5	10	155	55	210
Agri mobile clinic										
Soil test campaigns	1	150	50	200	5	5	10	155	55	210
Farm Science Club Conveners meet	2	120	30	150	5	5	10	125	35	160
Self Help Group Conveners meetings	2	0	120	120	5	3	8	5	123	128
Mahila Mandals Conveners meetings	1	0	120	120	3	5	8	3	125	128
Celebration of important days (specify)	5	300	80	380	7	10	17	307	90	397
Krishi Mohostva										
Krishi Rath										
Pre Kharif workshop	1	300	80	380	8	5	13	308	85	393
Pre Rabi workshop	1	150	40	190	5	8	13	155	48	203

PPVFRA workshop										
Any Other (Specify)										
Total	495	15250	4155	19405	194	167	361	15444	4322	19766

3.5 Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS			
OILSEEDS			
PULSES	Moong	GM-4	
	Gram		
VEGETABLES			
OTHERS (Specify)			

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS			
	Papaya	Red Lady-786	50,000
	Lime	Barahmasi	5,000
SPICES			
VEGETABLES			
	Tomato	Arka Samrat/ Arka Rakshak/ Hybrid seed	20,000
	Chilli	Arka Meghna	15,000
	Drumstick	PKM-1/ ODC-3	10,000
FOREST SPECIES			
ORNAMENTAL CROPS			
		Total	1,00,000

Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1				
2				

LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle				
GOAT				
SHEEP				
POULTRY				
Pig farming				
FISHERIES				

3.6. 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	3
2	Technical reports	2
3	News letters	-
4	Training manual all discipline	2
5	Popular article	3
6	Extension literature	3
Total		13

(C) Details of Electronic Media to be Produced

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

3.7. Success stories/Case studies 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

3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers

- a)
- b)
- c)

Rural Youth

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

In-service personnel

- a)
- b)
- c)

3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT :

- 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
- iii) Existing cropping system
- iv) Others if any

3.10 Field activities

- i. Name of villages identified/adopted with block name (from which year) - Reodar
- ii. No. of farm families selected per village : 50
- iii. No. of survey/PRA conducted :2
- iv. No. of technologies taken to the adopted villages: New varieties
- v. Name of the technologies found suitable by the farmers of the adopted villages:
New variety of Castor(GCH-7 and GCH-8), Papaya (Red lady -786, Arka Surya, Arka Prabhat),
Tomato (Arka Rakshak), Fennel (Abu saunf-440), Poultry (Pratapghan chicks), Goat (Sirohi buck)
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment :

2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1			

3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	100	100	10	
Water	100	100	10	
Plant				
Total	200	200	20	

4.0 LINKAGES

4.1 Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1.	Govt. Department of Agriculture	Planning annual training schedule, demonstration extension activities
2.	Govt. Department of Horticulture	Planning annual training schedule, demonstration extension activities
3.	Govt. Department of Animal Husbandry	Training Programmes on cattle treatment camp.
4.	District women development agency	Training and other programme for women
5.	Govt. Department of watershed and soil conservation	Collaborative training programme field, visit guest speakers
6.	Govt. Department of forest	Environmental programme supply of plants
7.	District Rural development Agency	Funds for development work, TRYSEM training
8.	Public Health Department	Health hygiene and nutrition programme for child and farm women
9.	Department of Adult Education	Collaborative training programme literacy programme
10.	LEAD bank	Loan to farmers, guest lecture on finance facilities
11.	NABARD	Loan to farmers, guest lecture on finance facilities
12.	Nehru Yuva Kendra	Training programme for there volunteers and extension workers
13.	IFFCO & KRIBHCO	Collaborative training programme interchange of subject matter specialists
14.	Rajasthan State Seed Corporation	Supply seeds
15.	Rural institution Gram Panchyat Cooperative School	Village training programme demonstration
	ICAR Institutions	
1	ICAR, New Delhi	Funding and overall monitoring of KVK
2	CAZRI, Jodhpur	Technology for grasses, gum Arabic, plant materials
3	Directorate of Oilseed Research, Hyderabad	Technology evaluation and impact assessment project of ICAR, Technology for castor hybrid seed production
4	National Research Center on Rapeseed Mustard, Sewar, Bharatpur	Technology for FLD mustard

5	Project Director, Cropping System Research, ModipuramMerat	For CSR trial in the district
6	NDRI, Karnal	Technology for improvement of animal breed
7	CSWRI, Avikanagar, Tonk	Technology for improvement of animal breed
	Universities	
1	CTAE Agriculture University	Udaipur Biogas technology
2	ARS, Jalore (AU, Jodhpur)	Technology for demonstration training & supply of TFL seed
3	ARS, Udaipur (MPUAT, Udaipur)	Technology for demonstration training & supply of TFL seed
4	ARSS, Sumerpur (AU, Jodhpur)	Technology for demonstration training & supply of TFL seed
5	ARS, Mandore (AU, Jodhpur)	Technology for demonstration training & supply of TFL seed
6	Gujarat Agriculture University	Supply of castor seed technology, and also for the fennel cultivation.
	NGO of the Districts	
1	People for animals	Organizing cattle relief camps and better nutrition of animals
2	SARD, Reoder	Supply of trainees for trainings

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

S. No.	Programme	Nature of linkage
1	Management Committee	Participation in meeting
2	Governing Board	Participation in meeting
3	BTT	Participation in meeting
4	Farmers training	Participated as trainer or some conducted at KVK
5	Krishak Mitra training	Organized
6	On farm testing	Conducted

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Hi-tech nursery	Infrastructural development at KVK farm
2	Mother Block- fruit plants	Plantation at KVK farm

4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		
2		

5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1	Not in working condition	
	Total	

6.0 Convergence with departments :

Associated with all departments

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

Farmers are liked new varieties demonstrated in FLDs, Papaya (Red lady-786, Arka Surya, Arka Prabhat), lime (kagzi) and Tomato (Arka Rakshak) seedling.

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

- Studies on farming system approach integrating crop production and livestock production is required.
- Post harvest handling and development of suitable processed product of fruit and vegetables etc. need proper attraction.
- Research on animal management to upgrade the indigenous cattle, buffaloes and dual-purpose goats breed through appropriate breeding methodology needs to be initiated.
- Systemic research efforts have not been made to tap potential of the fruit and vegetable crops in the district. Research efforts are needed to develop appropriate production technologies especially for tomato.
- Fennel is an important commercial crop taken as transplanted crop but research recommendations for transplanted crop has not been given for this zone.
- Large quantity of seed of private companies like castor is being used this district. Their suitability must be tested at research station.
- Cotton and castor are important cash crops covering an area of 1500 and 20,000 ha, respectively. Technology has been made available for use of stakes of these crops for preparing boards and paper.
- This district covers more than 30 % area under forest and with increased area under fennel and castor; flowers are available for large period. Farmers are approaching us for this enterprise.
- Large numbers of farm families are engaged with dairy profession. There is an urgent need for transferring value added technologies in dairying.
- Sirohi district is having an important breed of goat (Sirohi goat), which is of dual purpose. Department LMP should under take some programme for maintaining the purity of this breed

Annexure - I

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										
Mar-21	PF	organic farming and certification	2	0	0	0	0	25	25	25
Apr-01	PF	ICM in pearl millet	2	5	15	20	0	5	5	25
Jun-21	PF	ICM in Greengram	2	0	15	15	0	10	10	25
Jul-21	PF	ICM in sesame	2	0	0	0	0	25	25	25
Jul-21	PF	Castor seed production techniques	2	5	15	20	0	5	5	25
Aug-21	PF	Weed management in greengram	2	0	15	15	0	10	10	25
Sep-21	PF	Integreted Farming System	2	0	0	0	0	25	25	25
Oct-21	PF	ICM in Mustard	2	5	15	20	0	5	5	25
Oct-21	PF	ICM in chickpea	2	0	15	15	0	10	10	25
Nov-21	PF	Irrigation management in wheat	2	0	0	0	0	25	25	25
Dec-21	PF	INM in wheat	2	5	15	20	0	5	5	25
Horticulture										
Jan,2021	PF	Management in fennel Crop	01	5	15	20	0	5	5	25

Feb,2021	PF	Papaya Production Technology and Management	01	0	15	15	0	10	10	25
June,2021	PF	Nursery raising and management of Kharif Onion	01	25	0	25	0	0	0	25
July,2021		Layout and establishment of orchard	01	5	15	20	0	5	5	25
Dec,2021	PF	Managemet of Tomato crop	01	0	15	15	0	10	10	25
Livestock prod.										
June-2021	PF/FW	Fodder production-Napier grass	2	0	0	0	10	15	25	25
	PF									
	PF/FW									
	PF/FW									
Agrometerology										
April-2021	PF	Farmers awareness programme on meghdoot and damini app	1	10	10	20	5	0	5	25
July-2021		Importance of weather forecasting	1	5	5	10	15	0	15	25
December-2021	PF	Protection and Management of crops from frost	1	5	5	10	15	0	15	25
	PF									
Home Sc.										
February-2021	PF	Utilization of SAHAJAN at household level	2	0	0	0	0	25	25	25
August-2021	PF	Vale addition in Fruits and Vegetables	2	5	15	20	0	5	5	25
November-2021	PF	Promotion of Selective Solar Energy based equipments for Household level	2	0	15	15	0	10	10	25
	PF									

Plan prot.										
May-2021	PF	Seed treatment in major kharif crops	2	0	0	0	15	10	25	25
August-2021	PF	Integrated pest and disease management in maize	2	15	10	25	0	0	0	25
November-2021	PF	Integrated pest and disease management wheat	2	5	5	10	5	10	15	25
Extension Education										
15-6-2021 16-6-2021	PF	Leadership, Motivation and Communication development in farmers/Develop farmers awareness about human values and ethics	2	10	5	15	10	0	10	25
25-10-2021 26-10-2021	PF	Formation of Self help groups/FPOs	2	5	5	10	10	5	15	25
	PF									
	PF									
	PF									
Soil Health										
	PF									

i) 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										
Mar-21	PF	Management of Slinity and alkalinity of sirohi soils	1	10	5	15	10	0	10	25
Apr-21	PF	Napier production techniques	1	5	5	10	10	5	15	25

May-21	PF	Production of organic inputs	1	10	5	15	10	0	10	25
Jun-21		ICM clusterbean	1	5	5	10	10	5	15	25
Jul-21	PF	ICM in Greengram	1	10	5	15	10	0	10	25
Aug-21	PF	Micronutrient deficiency in maize	1	5	5	10	10	5	15	25
Sept.2021		ICM mustard	1	10	5	15	10	0	10	25
October		ICM chickpea	1	5	5	10	10	5	15	25
Nov-21		ICM in amaranthus	1	10	5	15	10	0	10	25
Dec.2021		IFS	1	5	5	10	10	5	15	25
Horticulture										
Feb, 2021	PF	Garlic Production Technology and crop management	2	0	0	0	0	25	25	25
Feb,2021	PF	Onion Production Technology and crop management	2	5	15	20	0	5	5	25
March,2021	PF	Zaid vegetable production technology	2	0	15	15	0	10	10	25
May,2021	PF	Improved cultivation of Fennel	2	0	0	0	0	25	25	25
June,2021	PF	Nursery raising and management of Kharif Onion	2	5	15	20	0	5	5	25
July,2021	PF	Layout and Establishment of Orchard	2	0	15	15	0	10	10	25
July,2021	PF	Tomato Production Technology	2	0	0	0	0	25	25	25
Oct,2021	PF	Management of Orchard	2	5	15	20	0	5	5	25
Nov,2021		Management of Tomato Crop	2	0	15	15	0	10	10	25
Dec,2021		Tomato Production Technology	2	5	15	20	0	5	5	25
Live Stock Production.										
June 2021	PF	Poultry rearing	1	5	15	20	0	5	5	25
	PF									
	PF									
	PF									
	PF									
	PF									
	PF									
	PF									
	PF									
	PF									
	PF									
Agrometeorology										
March-2021	PF	Farmers awareness programme on meghdoot and damini app	1	10	10	20	5	0	5	25
June-2021		Importance of weather forecasting	1	5	5	10	15	0	15	25
December-2021	PF	Protection and Management of crops from frost	1	5	5	10	15	0	15	25

