

ANNUAL PROGRESS REPORT

(01 January, 2022 to 31 December, 2022)

KVK, APR SUMMARY

1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	59	1005	842	1847
Rural youths	1	22	0	22
Extension functionaries	3	114	7	121
Sponsored Training	16	278	222	500
Vocational Training	3	50	33	83
Total	82	1469	1104	2573

2. Frontline Demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	100	40	--
Pulses	145	60	--
Cereals	25	10	--
Vegetables	--	--	--
Other crops (Cumin & Nutri-Garden)	24	5	--
Hybrid crops	--	--	--
Total	294	115	--
Livestock & Fisheries	50	-	50
Other enterprises (Nutri-garden kit)	182	-	182
Total	232		232
Grand Total	526	115	232

3. Technology Assessment

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
Technology Assessed			
Crops	2	20	20
Livestock	--	--	--
Various enterprises	--	--	--
Total	2	20	20

4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	852	3930355
Other extension activities	--	--
Total	852	3930355

5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	
Sirohi	Text only	199	93	175	50	30	189	736
	Voice only	--	--	--	--	--	--	--
	Voice & Text both	--	--	--	--	--	--	--
	Total Messages	--	--	--	--	--	--	--
	Total farmers Benefitted							39,19,516

6. Production of Seed & Planting Material

	Quintal/Number	Value Rs.
Seed (q)	144.25	3,13,790
Planting material (No.)	72,413	13,66,320
Bio-Products (kg)	--	--
Livestock Production (No.)	--	--
Fishery production (No.)	--	--

7. Soil, Water & Plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	376	75200
Water	107	2140
Plant		
Total	483	77,340

8. HRD and Publications

S. No.	Category	Number
1	Workshops attended	8
2	Conferences attended	2
3	Meetings	15
4	Trainings for KVK officials	3
5	Visits of KVK officials	12
6	Book published	-
7	Training Manual	-
8	Book chapters	-
9	Research papers	2
10	Lead papers	-
11	Seminar papers	-
12	Extension folder	-
13	Proceedings	1
14	Award & recognition	2
15	On-going research projects	-
16	Folder & Booklet	4

DETAIL REPORT OF APR-2022

1. GENERAL INFORMATION ABOUT THE KVK

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

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

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

Address	Telephone		E mail
	Office	Fax	
Vice-Chancellor Agriculture University, Jodhpur- 313 001 Rajasthan	0291-2571347	0291-2571813	vcunivag@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. R.S. Choudhary, Programme Coordinator Krishi Vigyan Kendra, Sirohi Post Box No.:- 15, District- Sirohi Pin code- 307 001, Rajasthan, India	KVK Quarters	9352241145	pckvksirohi@yahoo.com

1.4. Year of Establishment: 17 September, 1989

1.5. Staff Position (as on 31st December, 2022)

S. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile no.
1.	Programme Coordinator	Dr. R.S. Choudhary	Sr. Sci. & Head	Ext. Edu.	37400-67000	131400	14.06.22	Permanent	OBC	9352241145
2.	Subject Matter Specialist	Dr. RPS Jetawat	SMS	P. Path	15600-39100	61300	20.2.18	Permanent	Gen	7737891990
3.	Subject Matter Specialist	Dr. Ankita Sharma	SMS	H. Sc.	15600-39100	61300	26.3.18	Permanent	Gen	9414465592
4.	Subject Matter Specialist	Ms. Kamini Parashar	SMS	Horti.	15600-39100	61300	24.2.18	Permanent	Gen	9057510027
5.	Subject Matter Specialist	Dr. Sonika Sharma	SMS	Ext.Edu.	15600-39100	39300	24.05.22	Permanent		9639528394
6.	Programme Assistant	Sh. Bhanwar lal Choudhary	PA (Lab tech.)	-	9300-34800	40100	5.10.18	Permanent	OBC	9785310792
7.	Farm Manager	Dr. Hari Singh	Farm Manager	-	9300-34800	40100	4.10.18	Permanent	OBC	9887524626
8.	Accountant / Superintendent			-				Permanent		Vacant
9.	Stenographer	Sh. Akash Khatri	Steno.	-	5200-20200	22000	5.10.18	Permanent		9269548888
10.	Driver	Sh. Gajendra Jat	Driver	-	5200-20200	20400	4.10.18	Permanent	OBC	6375986618
11.	Supporting staff	Sh. Chatar Singh	Class IV	-	5200-20200	33000	28.5.16	Permanent	Others	9828965773
12.	Supporting staff	Sh. Narayan Singh	Class IV	-	5200-20200	23800	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	0.5
3.	Under cultivation	25.0
4.	Orchard/Agro-forestry	4.0
5.	Others (specify) (Uncultivated)	4.5
	Total	34.5

1.7. Infrastructural Development:

(A) Buildings

S. No.	Name of building	Source of funding	Stage					
			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	-	-	-
11	Farm Boundary	RKVY	2021	Completed	Kept with EO	-	-	-

(B) Vehicles

Type of vehicle	Year of purchase	Cost (lacs)	Total kms. Running	Present status
Motor cycle Hero Honda	8.3.1999	0.37		Not Working
Jeep Bolero	24.4.2005	4.35		Condemn by RTO
Tractor old	31.03.1995	2.22		Working
Motorcycle Hero Honda Passion Pro	26.3.2011	0.48700		Working
Tractor new	22.05.2019	5.50		Working

(C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Lakhs/ Rs.)	Present status
Photostat machine	31.03.04	0.57	Working
Camera (Sony)	03.02.14	0.24	Working
Camera (Canon)	15.03.19	.039	Working
Computer-I	1998	-	Very old
Computer-II	12.08.05	0.30	Very old
Scan Jet	12.08.05	0.05	Not Working
LCD projector	11.10.05	0.85	Not Working
Overhead projector	26.03.94	0.16	Not Working
Duplicating Machine	12.03.90	0.02	Not working
Cream Separator	12.03.99	0.035	Working
Fat machine	12.03.99	0.01	Working
Digital pH meter with ATC	09.02.05	0.09	Working

Digital conductivity meter	09.02.05	0.09	Working
Microprocessor scanning visible spectrophotometer	09.02.05	0.46	Working
Balance Digital	21.01.05	0.10	Working
Balance digital electronic	07.02.05	1.05	Working
Kjeldal Digestion and distillation	13.02.05	0.19	Working
Rotary shaker	13.02.05	0.26	Working
Digestion apparatus	14.02.05	0.13	Working
Micro Kjeldal Assembly	14.02.05	0.15	Working
Shaking machine	14.02.05	0.16	Working
Oven Memmert type	14.02.05	0.20	Working
YSPL Laboratory mill	14.02.05	0.30	Working
Distilling apparatus quartz and demountable panel series	14.02.05	0.74	Working
Electric rely unit	14.02.05	0.05	Working
Water softener	14.02.05	0.07	Working
Rectangular hot plate MAC MSW	18.02.05	0.17	Working
U controller flam photometer	27.01.05	0.36	Working
Constant voltage transformer 500 V	10.03.05	0.10	Working
Constant voltage transformer 1 KVA	10.03.05	0.18	Working
Combine Electrode Plate	10.03.05	0.05	Working
Conductivity Cell	10.03.05	0.05	Working
Optical glass cuvette for spectrophotometer	10.03.05	0.08	Working
Quartz glass cuvette for spectrophotometer	10.03.05	0.15	Working
Visible Lamp for spectrophotometer	10.03.05	0.03	Working
L.G. refrigerator	23.05.06	0.18	Working
Steel Elmira 78X36X10	18.03.05	0.35	Working
Steel Elmira 50X30X17	18.03.05	0.20	Working
Steel Rack with 6 shelves	18.03.05	0.16	Working
Steel shoe case 66X33X12 with 4 mm glass	18.03.05	0.26	Working
Office Table	18.03.05	0.10	Working
Office table with sun mica top	18.03.05	0.11	Working
Furniture			
Table	30.03.91	0.03	Working
Central table	28.03.91	0.007	Working
Library table with chair		0.13	Working
Chair steel tubular with back	12.02.91	-	Working
Class room Chair	20.3.97	0.16	Not working
Class room Chair	24.3.97	0.05	Not working
Revolving chair	12.03.90, 07.03.03,18.10.05	0.08	Not working Working
Executive Chair	31.3.97	0.06	Not working
TV Color	31.13.91	0.05	Not working
CD Player	31.12.91	0.01	Not working
Cooler	29.03.97	0.05	Not working
Wooden coat	21.03.97	0.05	Not working
Coir meters	21.03.97	0.04	Not working
Iron Coat with nibar	22.3.97	0.11	Not working
Folding chair	21.12.91	0.003	Not working
Capsule Pipe Chair	31.3.97	0.07	Not working
Sofa set	17.06.97	0.02	Working

Iron board	12.02.90	-	Not working
Iron board	27.03.93	0.03	Not working
Board sun mica	31.03.90	-	Not working
Small board	16.12.91	0.03	Not working
Aluminum board	10.03.92	-	Not working
Board display	09.03.92	0.02	Not working
Glass board	25.03.97	0.06	Not working
Black board	09.03.92	-	Not working
Chalk board	18.03.02	0.01	Working
Ply wood board	31.03.94	0.015	Working
Dari (Fars)	31.10.91	-	Working
Dari (Fars)	23.03.97	0.02	Working
Almirah	11.02.93	0.11	Working
Almirah	24.03.97	0.02	Working
Almirah	31.03.90	0.001	Working
Almirah	17.03.94	0.08	Working
Almirah	24.03.97	0.03	Working
Stand for water	29.05.90	0.005	Not working
TV cabinet	15.03.95	0.03	Not working
HEDP PIPE	17.03.99	0.08	Not working
UPS System	-	-	Not working
Store bin	16.03.91	0.01	Not working
Iron box	23.03.97	0.04	Not working
Wooden bench	16.03.91	0.004	Not working
Iron Box	21.03.05	0.04	Not working
Spring Balance	31.03.03	0.02	Not working
Lecture stand	26.03.94	0.02	Working
Iron Box and Almirah	18.03.02	0.10	Working
Disc harrow	31.03.95	0.13	Not working
Disc plough	22.03.97	0.20	Not working
Trolley	31.03.95	0.31	Not working
Cultivator	22.03.01	0.06	Working
Cultivator with seed drill	31.03.95	0.08	Not working
Nine tine tiller	03.03.95	0.11	Not working
Bund Former	22.03.97	0.04	Not working
Land Leveler	22.03.97	0.03	Not working
Sprayer	31.03.90	0.002	Not working
Sprayer	19.12.91	0.006	Not working
Sprayer	20.03.99	-	Working
Knap sack sprayer	26.03.03	0.03	Working
Duster	31.03.94	-	Not working
Duster	28.03.03	0.03	Not working
Duster	29.03.97	0.01	Not working
Agri. Sprayer with hand compression	27.03.98	0.03	Not working
Agri decorticator with 1 hp	27.03.98	0.10	Not working
Seed dressing drum	29.03.97	0.03	Not working
Power sprayer	29.03.97	0.06	Not working
Rotary Hand Duster	20.03.99	0.12	Working
2F MB plough	20.03.99	0.10	Working
Seed cum Fertilizer drill	23.03.98	0.06	Not Working
Agriculture Fertilizer broad caster	23.03.98	0.04	Working

Messy Cultivator Hal	19.01.99	0.06	Working
LCD Projector	21.03.2007	98138	Working
Digital Camera	23.02.2010	23700	Not Working
Furniture (Conference Table-01, Chair-30)	26.02.2010	99989	Working
Generator	26.02.2010	49800	Working
FAX Machine	28.02.2010	14327	Not Working
EPBAX	2011	45064	Not Working
PA System	2011	29800	Working
Power sprayer	2011	24993	Working
Computer	12.08.05	30800	Working
Diesel Engine	6.09.05	17200	Working
Scan Jet	11.03.2005	4450	Not Working
Stitching Machine	9.07.07	10800	Working
Embroidery Machine	9.07.07	7900	Working
LCD Projector	16.09.05	82619	Working
Rotavator	6.06.06	49500	Working
Cultivator	2016		Working
AC	21.3.17 (2)		Working
Soil testing kit	2016		Working
Soil testing kit	2017		Working
Computer	2017		Working
LCD Projector	2017		Working
Epson inkjet printer	20.03.20	9850	Working
Lenevo PC system (2)	14.03.19	76900	Working
Canon color printer	18.11.20	36290	Working
Brother printer all in one (3)	14.03.19	44600	Working
Intex speaker	24.03.19	9820	Working
Revolving low back chair	15.03.21	27017	Working
Visitor chair (15)	08.02.21	29400	Working
Bajaj air cooler	21.03.20	9990	Working
Disc hamor	21.03.17	35975	Working
TCL LED TV	17.02.21	96900	Working
Running LED display board (2)	11.03.20	37760	Working
Podium digital	21.03.17	94500	Working
Refrigerator	14.03.19	16900	Working
Solar dryer	17.03.20	76750	Working
Digital electronic balance	13.03.20	9550	Working
Lab oven	17.03.20	9300	Working
Soil Auger	19.03.20	6483	Working
UTL off grid solar system	19.03.20	187656	Working
LED display Board (7)	4-6.03.20	35872	Working
Bio- Shredder	21.03.20	150000	Working
Chaff cutter	21.03.20	20000	Working
LED display board	13.03.20	16992	Working
LED display board	16.03.20	3304	Working
Wood cutter	04.12.20	6800	Working
Zatka machine	12.12.18	13500	Working
Computer desktop	28.01.21	40017	Working
Computer all in one	21.01.2021	50376	Working
LED letter box	15.03.22	27000	Working
Sofa set+ Almirah+ Revolving chair	14.03.22	97330	Working

Digital Interactive Board	24.02.22	149500	Working
Water cooler with RO	24.02.22	48990	Working
Photocopy machine multifunctional	24.02.22	87540	Working
Pedestal fan	16.06.22	2300	Working
Electronic Balance	05.07.22	5200	Working
Band farmer (2 in 1) Automatic	15.11.22	21900	Working
Trolley equipments	04.03.21	18000	Working
Mango plastic chair	05.04.22	2670	Working
Grinder	07.01.23	3000	Working

1.8. A). Details SAC meeting* conducted in the year 2022

Proceedings of Scientific Advisory Committee Meeting held on 24.08.2022 at KVK Sirohi

1. Dr. R.S. Choudhary, Senior Scientist and Head, welcome all members present in the meeting and connected online. He briefed about all the action taken/work done as suggested in the report of previous SAC meeting held on 24.08.2022. Participating members approved the action taken report of previous SAC.

2. Sr. Sci. and Head presented the progress report including Trainings, OFTs, Farm Development Work, Adopted Village's progress, status of revolving fund and technological input produced and sold etc. of the KVK, Sirohi (From September, 2021 to July, 2022). He also shared the achievement of the KVK during last one year.

(Action: Sr. Sci. and Head)

3. Dr. R.P.S. Jaitawat, SMS (Plant Protection) presented the work assigned to him during the above referred period. He presented the detailed report of training programmes, FLDs, demonstration of technologies under TSP. He revealed the house about OFT of Root Knot Nematode in Castor crop. He also shared the status of honey bee production project. He also presented status of on and off campus trainings conducted on bee-keeping and honey production. House appreciated the work.

(Action: SMS Plant Protection)

4. Dr. Ankita Sharma, SMS (Home Science) presented the work progress and plan of work for next year. She presented the detailed report of One District One Product activity, training programmes as on, off, sponsored and online trainings, method demonstration, FLDs, activities of NARI scheme and related extension activities. House appreciated the work of "One District One Product".

(Action: SMS Home Science)

5. Dr. Sonika Sharma, SMS (Extension Education) presented the work assigned to her during the above referred period. She presented the detailed report of training and awareness programmes conducted on and off campus, report of Jal Shakti Abhiyan. She also reported the detailed event of Kisan Mela presented through film show.

(Action: SMS Extension Education)

6. Shri V.R. Solanki, Joint Director Agriculture, Jalore suggested that

a) Prepare mini store and sale outlet in KVK for fennel based products.

(Action: SMS Home Science)

b) Conduct trainings on scientific groundnut crop production technologies.

(Action: Incharge Agronomy)

7. Chairman of the SAC meeting Dr. Mahendra Kumar, Associate Director, AU, Jodhpur suggested that

a) Prepare project proposal under RKVY to strengthen KVK *eg.* Farm pond, nursery and live units.

(Action: Sr. Sci. & Head)

b) Include research studies of OFTs in package of practices.

(Action: Incharge Agronomy)

c) Conduct impact evaluation of previous programmes.

d) Upload extension publication on KVK portal.

e) Increase registration of farmers on Saarthi portal.

(Action: SMS Extension Education)

8. Dr. I.S. Naruka, SS&H, KVK, Jalore gave suggestion which is mentioned below:

a) Prepare saplings of medicinal plants at KVK.

(Action: SMS Horticulture)

9. Dr. M.S. Chandawat SS&H, KVK, Raipur suggested that

a) Prepare proposal of Agro-tourism

(Action: Sr. Sci. and Head)

10. Shri Manish Chavan, MGNF, MSME, Sirohi suggested that

a) Promote local vegetative crops like ker, khejri etc.

(Action: SMS Horticulture)

b) Groundwork for GI tag for Sirohi goat and Abu sonf.

(Action: SMS Home Science and Incharge Animal Production)

10. Dr. P.L. Bhatt, PD, ATMA suggested that

a) KVK should establish demonstration unit of fig fruit crop.

(Action: SMS Horticulture)

11. Dr. Sanjay Taneja, Deputy Director Agriculture suggested that

a) Explore possibilities of Kisan Bhawan (Farmer Hostel) at KVK Sirohi for capacity building of farmers by making proposal before District Mineral Foundation Trust.

(Action: Sr. Sci. & Head)

b) Prepare model of fennel processing unit for Swarupganj and Abu road area.

(Action: SMS Home Science)

The meeting was ended with thanks to the chair, chief guest, special guest and all invited members.

** Attach a copy of SAC proceedings along with list of participants*

2. DETAILS OF DISTRICT (2021-22)

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)

S. 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 Aravalli Hills”	Rainfed, medium textured, shallow to moderate deep, undulated and hilly, irrigated medium to heavy texture, moderately deep to very large

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	3,15,934
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	2,02,013

2.4. Area, Production and Productivity of major crops cultivated in the district (2021)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (kg/ha)
1.	Maize	19118	28486	1490
2.	Sorghum	4190	1655	395
3.	Pearlmillet	10860	5756	530
4.	Greengram	6275	3734	595
5.	Pigeonpea	48	25	521
6.	Groundnut	20152	51254	2543
7.	Sesame	28636	3974	139
8.	Castor	32105	59234	1845
9.	Cotton	1756	4778	463
10.	Clusterbean	16830	10819	643
11.	Wheat	29265	114885	3926
12.	Barely	840	2967	3532
13.	Chickpea	5671	6673	1177
14.	Rapeseed & Mustard	25279	43393	1717
15.	Cumin	3569	2285	640
16.	Fennel	7323	7189	982
17.	Isabgol	377	212	562

Source: Department of Agriculture

2.5. Weather data (2022)

Month	Sirohi	Sheoganj	Reodar	Pindwara	Abu Road
January	2.50	5.00	2.00	1.00	8.00
February	0.00	0.00	0.00	0.00	0.00
March	0.00	0.00	0.00	0.00	0.00
April	0.00	0.00	0.00	0.00	0.00
May	0.00	0.00	0.00	0.00	0.00
June	6.00	6.00	4.00	15.00	9.00
July	228.00	244.00	270.00	413.00	343.00
August	419.30	360.50	412.00	479.00	700.00
September	18.50	35.30	80.00	118.00	24.00
October	0.00	5.50	0.00	0.00	0.00
November	0.00	5.50	0.00	0.00	0.00
December	0.00	0.00	0.00	0.00	0.00
Total	674.30	661.80	768.00	1026.00	1084.00

Source: District Administration Office, Collectorate, Sirohi

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district (19th Livestock census)

Category	Population
Cattle	
<i>Crossbred</i>	3089
<i>Indigenous</i>	191486
Buffalo	186218
Sheep	
Crossbred	-
<i>Indigenous</i>	205736
Goats	307708
Pigs	-
<i>Crossbred</i>	-
<i>Indigenous</i>	530
Rabbits	737
Poultry	-
Hens	-
<i>Desi</i>	52209
<i>Improved</i>	-
Ducks	-
Turkey and others	-
	Area
Fish	-
<i>Marine</i>	-
<i>Inland</i>	-
Prawn	-
Scampi	-
Shrimp	-

Source: Department of Animal Husbandry & Dairying (GoI)

2.7 Details of Operational area / Villages (2022)

Taluka	Name of block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Sirohi, Sheoganj, Pindwara, Aburoad and Reodar	Sirohi, Sheoganj, Pindwara	Sartara	Mustard, Wheat, Cotton, Castor, Sesame, Green gram, Maize, Okra, Lemon, Papaya	<ul style="list-style-type: none"> ➤ Low productivity of crops viz. castor, cotton, fennel and mustard ➤ Least adoption of horticultural crops ➤ Scarcity of irrigation water ➤ Low milk yield of indigenous cattle, buffalo & goat ➤ Malnutrition in farm women & children 	FLDs, 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
		Dhanta (NICRA)	Tomato, Mustard, Cauliflower, Cabbage, Sesame, Chilli, Okra, Bottle Guard, papaya, Napier grass	<ul style="list-style-type: none"> ➤ Scarcity of irrigation water ➤ Practicing broad cast method of sowing of mustard, wheat, ➤ Heavy attack of pest & disease in castor, tomato & fennel 	-do-
		Rukhara	Wheat, mustard, maize, cotton, sesame, green gram, castor, fennel, papaya, lemon, Mango	<ul style="list-style-type: none"> ➤ Low productivity of crops viz. castor, cotton, fennel and mustard 	-do-
		Arthwara	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chlli, Bottle guard, Citrus, Fennel, papaya, Clusterbean, Lemon, Castor	<ul style="list-style-type: none"> ➤ Low milk yield of indigenous cattle, buffalo & goat ➤ Practicing broad cast method of sowing of mustard, wheat, 	-do-
		Dhingar	Wheat, Cotton, Sesame, Mustard, Green gram, Maize,	<ul style="list-style-type: none"> ➤ Scarcity of irrigation water ➤ Practicing broad cast method of sowing of mustard, wheat, 	-do-
		Thandiberi	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chlli, Bottle guard, Citrus, Fennel, papaya, Clusterbean, Lemon, Castor Livestock-Chicks, Goat	<ul style="list-style-type: none"> ➤ Low economic status of farm families ➤ Low milk yield of indigenous cattle, buffalo & goat 	-do-
		Nitora	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chlli, Bottle guard, Citrus, Fennel, papaya, Clusterbean, Lemon, Castor Livestock-Chicks, Goat	<ul style="list-style-type: none"> ➤ Low economic status of farm families ➤ Low milk yield of indigenous cattle, buffalo & goat ➤ Lack of motivation 	-do-
		Telpikhera	Wheat, Sesame, Mustard, Green gram, Maize, Citrus, Fennel, papaya, Clusterbean, Lemon, Castor Livestock-Chicks, Goat	<ul style="list-style-type: none"> ➤ Least adoption of horticultural crops ➤ Low economic status of farm families ➤ Lack of Knowledge 	-do-
		Kacholi	Wheat, Cotton, Sesame, Mustard, Green gram, Bottle guard, Citrus, Fennel, papaya, Castor	<ul style="list-style-type: none"> ➤ Malnutrition in farm women & children ➤ Lack of leadership skills 	-do-
	Moras	Wheat, Sesame, Mustard, Green gram, Maize, Okra, Chilli, Citrus, Fennel, papaya, Kharif Onion	<ul style="list-style-type: none"> ➤ Practicing broad cast method of sowing of mustard, wheat, ➤ Lack of awareness 	-do-	
Aburoad	Panchdeval	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chilli, Bottle guard, Citrus, Fennel, papaya	<ul style="list-style-type: none"> ➤ Lack of knowledge ➤ Lack of Cultivable area ➤ Unaware of new varieties 	-do-	

		Phulabai ka kheda	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chilli, Bottle guard, Citrus, Fennel, papaya	<ul style="list-style-type: none"> ➤ Lack of Motivation ➤ Inefficient use of irrigation water 	-do-
		Jhamotra	Wheat, Sesame, Mustard, Green gram, Maize, Okra, Chilli, Bottle guard, Citrus, Fennel, papaya	<ul style="list-style-type: none"> ➤ Lack of leadership skill ➤ Low productivity of crops viz. castor, cotton, fennel and mustard 	-do-
		Awal	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chilli, Bottle guard, Citrus, Fennel, papaya	<ul style="list-style-type: none"> ➤ Low milk yield of indigenous cattle, buffalo & goat 	-do-
	Reodar	Positara	Wheat, Cotton, Castor, Sesame, Mustard, Green gram, Maize, Okra, Chilli, Bottle guard, Citrus, Fennel, papaya	<ul style="list-style-type: none"> ➤ Scarcity of irrigation water ➤ Practicing broad cast method of sowing of mustard, wheat, 	-do-
		Pithapura	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chilli, Bottle guard, Citrus, Fennel, papaya, Lemon, Sapota, Mango	<ul style="list-style-type: none"> ➤ Low milk yield of indigenous cattle, buffalo & goat ➤ Least adoption of horticultural crops 	-do-
		Nimboda	Tomato, Mustard, Cauliflower, Cabbage, Sesame, Chilli, Okra, Bottle Guard	<ul style="list-style-type: none"> ➤ Least adoption of horticultural crops ➤ Inefficient use of irrigation water 	-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 ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2022

OFT (Technology Assessment)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)			
1				2			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
2	2	20	20	115	115	526	526

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers & farm women	59	59	1847	1847	852	852	3930355	3930355
Rural youths	1	1	22	22	-	-	-	-
Extension functionaries	3	3	121	121	-	-	-	-
Sponsored Training	16	16	500	500	-	-	-	-
Vocational Training	3	3	83	83	-	-	-	-
Total	82	82	2573	2573	852	852	3930355	3930355

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
137.5	144.25	150-200	70000	71853	320

I. A TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops by KVK

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmers
Integrated Nutrient Management				
Varietal Evaluation				
Integrated Pest Management	Castor	Management of root-knot nematode in castor	10	10
Integrated Crop Management	Cumin	Assessment of seed rate with optimum spacing in cumin	10	10
Integrated Disease Management				
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology				
Farm Machineries				
Integrated Farming System				
Seed / Plant production				
Post-Harvest Technology / Value addition				
Drudgery Reduction				
Storage Technique				
Others (Pl. specify)				

Summary of technologies assessed under livestock by KVK

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Disease Management	-	-	-	-
Evaluation of Breeds	-	-	-	-
Feed and Fodder management	-	-	-	-
Nutrition Management	-	-	-	-
Production and Management	-	-	-	-
Others (Pl. specify)	-	-	-	-
Total			-	-

Summary of technologies assessed under various enterprises by KVKs

Thematic areas	Enterprise	Name of the technology assessed	No. of trials	No. of farmers
	-	-	-	-
-	-	-	-	-

I.B. TECHNOLOGY ASSESSMENT IN DETAIL

INTEGRATED CROP MANAGEMENT

On Farm Trial-1

Problem definition: Management of root-knot nematode in castor

Technology Assessed: Response of castor for growth, PDI and yield

Title	Management of root-knot nematode in castor
Year	2021-22
Problem Diagnose	Response of No. of root knot infected plants, No. of capsule/raceme, No. of racemes/branch/plant, Yield (q/ha)
No. of Trials	10
Source of Technology	IIOR, Hyderabad

Technology option	No. of trials	Nematode incidence (%)	Nematode Management (%)	Yield (kg/ha)	% increase in yield over T1
T1: Carbofuran 3G @ 2kg ai/ha	10	34.6	65.4	1280	--
T2: Summer deep ploughing + carbosulfan 25 ec 2 ml / lit. + Carbofuran 3G @ 2kg ai/ha + Neem cake 4 q/ha.		4.3	87.57	1575	23.04

On Farm Trial-2

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 5257 ha 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

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

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

Assessment the impact of optimum seed rate with optimum spacing in cumin (<i>Cuminum cyminum</i> L.) crop (First Year)					
Treatment	Seed yield	Cost of cultivation	Gross return	Net return	B:C Ratio
T ₁ – Farmer Practices (Seed rate 18kg/ha + Broadcasting Method)	5.04	34897	75600	40703	2.17
T ₂ – Seed rate 12 kg/ ha + Line sowing	7.32	37300	109800	72500	2.94
T ₃ – Seed rate 15kg/ ha + Line sowing	5.536	35616	83040	47424	2.33
T ₄ – Seed rate 10 kg/ ha + Line sowing	6.9	37300	103500	66200	2.77

II. FRONTLINE DEMONSTRATION

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2022-23 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
1.	Sesame	ICM	Seed treatment, IWM, INM, IPM	Training, CFLDs, Scientist visit& field day	2	50	20
2.	Greengram	ICM	Seed treatment, IWM, INM, IPM	Training, CFLDs, Scientist visit& field day	3	75	30
3.							
4.	Mustard	ICM	Seed treatment, IWM, INM, IPM	Training, CFLDs, Scientist visit& field day	2	50	20
5.	Chickpea	ICM	Seed treatment, IWM, INM, IPM	Training, CFLDs, Scientist visit& field day	2	70	30
6.	Cumin	ICM	Seed treatment, IWM, INM, IPM	Training, CFLDs, Scientist visit& field day	1	24	5
7.	Wheat	ICM	Seed (DBW-187)	Training, CFLDs, Scientist visit& field day	1	25	10
8.	Onion	ICM	Var. Line-883	Training, CFLDs, Scientist visit& field day	2	15	1.5
9.	Nutri Garden Kit (Kharif)				2	65	100m ² / Farm women
10.	Nutri Garden Kit (Rabi)				4	182	100m ² / Farm Women

* *Thematic areas as given in Table 3.1 (A1 and A2)*

- b. Details of FLDs implemented during 2022-23 (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.**)

S. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ Demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1-	Mustard	ICM	Seed treatment, IWM, INM, IPM	Rabi 2021-22	50	50	54	46	100	-
2-	Chickpea	ICM	Seed treatment, IWM, INM, IPM	Rabi 2021-22	10	10	25	0	25	-
3-	Cumin	ICM	Seed treatment, IWM, INM, IPM	Rabi 2021-22	10	10	8	12	20	-
4-	Sesame	ICM	Seed treatment, IWM, INM, IPM	Kharif 2022	20	20	24	26	50	-
5-	Mustard	ICM	Seed treatment, IWM, INM, IPM	Rabi 2022-23	20	20	36	14	50	-
6-	Greengram	ICM	Seed treatment, IWM, INM, IPM	Kharif 2022	30	30	17	83	100	-
7-	Chickpea	ICM	Seed treatment, IWM, INM, IPM	Rabi 2022-23	30	30	49	21	70	-
8-	Cumin	ICM	Seed treatment, IWM, INM, IPM	Rabi 2022-23	5	5	24	0	24	-
9-	Wheat	ICM	Seed (var. Raj-4238)	Rabi 2022-23	10	10	25	0	25	-
10-	Kharif Onion	ICM	Seed (Var. Line-883)	Kharif 2021-22	1.5	1.5	4	11	15	-
11-	Nutri Garden Kit						65	0	65	-
12-	Nutri Garden Kit						258	141	399	-

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Sesame	Kharif 2022	RF	Sandy loam	Low	Medium	High	Wheat/ Chickpea/ Mustard	(10-15)- 07-2022	(07-19)- 10-2022	548.3	55
Mustard	Rabi 2022-23	RF	Sandy loam	Low	Medium	High	Sesame/ Greengram/ Castor/ clusterbean	(02-10)- 10-2022	-		
Green gram	kharif 2022	RF	Sandy loam	Low	Medium	High	Wheat/ Chickpea/ Mustard	(04-12)- 07-2022	(10-25)- 10-2022	632.3	61
Chickpea	Rabi 2022-23	RF	Sandy loam	Low	Medium	High	Sesame/ Greengram/ Castor/ clusterbean	(20-30)- 10-2022	-		
Cumin	Rabi 2022-23	RF	Sandy loam	Low	Medium	High	Sesame/ Greengram/ Castor/ clusterbean	(07-15)- 11-2022	-	-	-
Onion	Kharif 2021-22	RF	Sandy loam	Low	Medium	High	Wheat/ Chickpea/ Mustard	(01-15)- 07-2021	(15-20)- 02-2022		

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1.	Latest improved certified seed not used.
2.	IPM measures not properly followed
3.	No seed treatment.
4.	Weed infestation & Termite problem.

Farmers' reactions on specific technologies

S. No	Feed Back
1.	RT-351 Sesame variety, White bold seeded, resistant to phyllody disease
2.	IPM-205-7 Greengram variety, short duration, wider adaptability and low input requirements
3.	Chickpea (GNG-2144) Medium bold seeded, high yielding variety, tolerant to <i>fusarium</i> wilt disease
4.	Mustard (RH-725) high number of pods, Lenthly branches, high yielding variety
5.	Cumin (GC-4) high yielding variety, resistant to wilt and powdery mildew

Extension and Training activities under FLD

S.No.	Activity	No. of activities organized	Number of participants	Remarks
1.	Field days	06	180	
2.	Farmers Training	4	140	
3.	Media coverage	18	-	
4.	Training for extension functionaries			

Performance of Frontline demonstrations

Frontline demonstrations on oilseed crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)				
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)	
						High	Low	Average											
Groundnut																			
Sesame (2022)	ICM	Seed treatment, IWM, INM, IPM	RT-351	50	20	6.9	5.4	6.17	4.85	27.21	20600	48374	27774	2.35	18434	38022	19588	2.06	
Mustard (Rabi 2021-22)	ICM	Seed treatment, IWM, INM, IPM	RH-0749	100	50	24	20	22.1	16.86	31.07	21,890	1,11,504	89,614	5.09	20,100	85,143	65,043	4.23	
Mustard (Rabi 2022-23)	ICM	Seed treatment, IWM, INM, IPM	RH-0406	50	20	Result Awaited													
Toria																			
Linseed																			
Sunflower																			
Soybean																			

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Frontline demonstration on pulse crops

Crop	Thematic Area	technology demonstrated	Variety	No. of Farmers	Area (ha)	Yield (q/ha)				% Increase in yield	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)				
						Demo			Check		Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)	
						High	Low	Average											
Pigeonpea																			
Blackgram																			
Greengram (2022)	ICM	Seed treatment, IWM, INM, IPM	Shikha(IPM-410-3)	75	30	8.8	7.2	7.8	6.1	27.86	21350	60726	39376	2.84	18645	47470	28825	2.54	
Chickpea(Rabi 2021-22)	ICM	Seed treatment, IWM, INM, IPM	GNG-2144	25	10	22	18	20.5	16.5	24.09	26100	1,07,320	81,220	4.11	22400	86400	64000	3.85	
Chickpea(Rabi 2022-23)	ICM	Seed treatment, IWM, INM, IPM	GNG-2144	70	30	Result Awaited													
Fieldpea																			
Lentil																			
Horsegram																			

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Finger millet																			
Vegetables																			
Bottlegourd																			
Bittergourd																			
Cowpea																			
Spongegourd																			
Petha																			
Tomato																			
Frenchbean																			
Capsicum																			
Chilli																			
Brinjal																			
Vegetable pea																			
Softgourd																			
Okra																			
Colocasia (Arvi)																			
Broccoli																			
Cucumber																			
Onion																			
Kharif onion	ICM	seed	10	1.0	305	251	278	179	55.3	278	179	135790	1056400	920610	7.78	140800	680200	539400	4.83

Watermelon																			
Spices & condiments																			
Ginger																			
Cumin (Rabi 2021-22)	ICM	Seed treatment, IWM, INM, IPM	20	10	-	-	-	-	6.90	5.00	38	37,810	1,44,217	1,06,407	3.81	35,305	99,394	64,089	2.81
Cumin (Rabi 2022-23)	ICM	Seed treatment, IWM, INM, IPM	24	5	Result awaited														
Garlic																			
Turmeric																			
Commercial Crops																			
Sugarcane																			
Potato																			
Medicinal & aromatic plants																			
Mentholment																			
Kalmegh																			
Ashwagandha																			
Fodder Crops																			
Sorghum (F)																			
Cowpea (F)																			

Dairy																	
Poultry	-	RIR Chicks	50	20/ Farmer	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep & Goat																	
Vaccination																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

FLD on Women Empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check

FLD on Farm Implements and Machinery /Method Demonstrations

Name of the implement	Crop	Technology demonstrated	No. of Farmer	Area (ha)	Major parameters	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit etc.)			
						Demo	Check		Land preparation	Sowing	Weeding	Total	Land preparation	Labour	Irrigation	Total
Solar cooker	All crops	Method Demonstration	700	-	-	-	-	-	-	-	-	-	-	-	-	-
Solar dryer	All crops	Method Demonstration	700	-	-	-	-	-	-	-	-	-	-	-	-	-
Drudgery reduction Techniques	All crops	Method Demonstration	-													
Nutri garden Kits	Fruits and Vegetables	Method Demonstration	464	100 M ² each farmer	-	-	-	-	-	-	-	-	-	-	-	-
Badi Makers	All	Method Demonstration	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FLD on Other Enterprise: Nutri garden

Category and Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of Units	Yield (Kg)		% change in yield	Other parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
		Nutri Garden Kit	100	100				160g	65g	-	-	-	-	-	-	-	-
		Nutri Garden Kit (Rabi 2021-22)	100	100				160g	50g	-	-	-	-	-	-	-	-
		Nutri Garden Kit (Kharif 2022)	65	65				165g	60g	-	-	-	-	-	-	-	-
		Nutri Garden Kit (Rabi 2022-23)	399	399				Result awaited									

FLD on Demonstration details on crop hybrids *(Details of Hybrid FLDs implemented during 2020)*

Crop	technology demonstrated	Hybrid Variety	No. of Farmers	Area (ha)	Yield (q/ha)			Check	% Increase in yield	Economics of demonstration (Rs./ha)			
					Demo		Gross Cost			Gross Return	Net Return	BCR (R/C)	
					High	Low							Average
Oilseed crop													
Pulse crop													
Cereal crop													
Vegetable crop													
Fruit crop													
Other (specify)													

Note : Remove the Enterprises/crops which have not been shown

III. Training Programmes

Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
(A) Farmers & Farm Women										
I Crop Production										
Weed Management				0			0	0	0	0
Resource Conservation Technologies				0			0	0	0	0
Cropping Systems				0			0	0	0	0
Crop Diversification				0			0	0	0	0
Integrated Farming				0			0	0	0	0
Micro Irrigation/irrigation				0			0	0	0	0
Seed production				0			0	0	0	0
Nursery management				0			0	0	0	0
Integrated Crop Management	7	95	29	124	72	19	91	167	48	215
Soil & water conservatioin							0	0	0	0
Integrated nutrient management				0			0	0	0	0
Production of organic inputs				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	7	95	29	124	72	19	91	167	48	215
II Horticulture										
a) Vegetable Crops										
Production of low value and high valume crops				0			0	0	0	0
Off-season vegetables				0			0	0	0	0
Nursery raising				0			0	0	0	0
Exotic vegetables				0			0	0	0	0
Export potential vegetables				0			0	0	0	0
Grading and standardization				0			0	0	0	0
Protective cultivation				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (a)	0	0	0	0	0	0	0	0	0	0
b) Fruits										
Training and Pruning				0			0	0	0	0
Layout and Management of Orchards				0			0	0	0	0
Cultivation of Fruit				0			0	0	0	0
Management of young plants/orchards				0			0	0	0	0
Rejuvenation of old orchards				0			0	0	0	0
Export potential fruits				0			0	0	0	0
Micro irrigation systems of orchards				0			0	0	0	0
Plant propagation techniques				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (b)	0	0	0	0	0	0	0	0	0	0
c) Ornamental Plants										
Nursery Management				0			0	0	0	0
Management of potted plants				0			0	0	0	0
Export potential of ornamental plants				0			0	0	0	0
Propagation techniques of Ornamental Plants				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (c)	0	0	0	0	0	0	0	0	0	0
d) Plantation crops										
Production and Management technology				0			0	0	0	0

Processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (d)	0	0	0	0	0	0	0	0	0	0
e) Tuber crops										
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (e)	0	0	0	0	0	0	0	0	0	0
f) Spices										
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (f)	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants										
Nursery management				0			0	0	0	0
Production and management technology				0			0	0	0	0
Post harvest technology and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (g)	0	0	0	0	0	0	0	0	0	0
GT (a-g)	0	0	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management										
Soil fertility management							0	0	0	0
Integrated water management				0			0	0	0	0
Integrated Nutrient Management				0			0	0	0	0
Production and use of organic inputs				0			0	0	0	0
Management of Problematic soils				0			0	0	0	0
Micro nutrient deficiency in crops				0			0	0	0	0
Nutrient Use Efficiency				0			0	0	0	0
Balance use of fertilizers				0			0	0	0	0
Soil and Water Testing				0			0	0	0	0
Others (Natural Farming)	1	15	5	20	13	11	24	28	16	44
Total	1	15	5	20	13	11	24	28	16	44
IV Livestock Production and Management										
Dairy Management				0			0	0	0	0
Poultry Management	1	0	0	0	5	36	41	5	36	41
Piggery Management				0			0	0	0	0
Rabbit Management				0			0	0	0	0
Animal Nutrition Management				0			0	0	0	0
Disease Management	1	1	0	1	19	0	19	20	0	20
Feed & fodder technology				0			0	0	0	0
Production of quality animal products				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	2	1	0	1	24	36	60	25	36	61
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	3	45	21	66	25	63	88	70	84	154
Design and development of low/minimum cost diet				0			0	0	0	0
Designing and development for high nutrient efficiency diet				0			0	0	0	0
Minimization of nutrient loss in processing				0			0	0	0	0
Processing and cooking				0			0	0	0	0
Gender mainstreaming through SHGs				0			0	0	0	0
Storage loss minimization techniques				0			0	0	0	0
Value addition	4	35	62	97	0	38	38	35	100	135

Women empowerment	0	0	0	0			0	0	0	0
Location specific drudgery reduction technologies				0			0	0	0	0
Rural Crafts				0			0	0	0	0
Women and child care				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	7	80	83	163	25	101	126	105	184	289
VI Agril. Engineering										
Farm Machinery and its maintenance				0			0	0	0	0
Installation and maintenance of micro irrigation systems				0			0	0	0	0
Use of Plastics in farming practices				0			0	0	0	0
Production of small tools and implements				0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0	0	0	0
Small scale processing and value addition				0			0	0	0	0
Post Harvest Technology				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
VII Plant Protection										
Integrated Pest Management	2	16	0	16	25	10	35	41	10	51
Integrated Disease Management	2	26	0	26	29	0	29	55	0	55
Bio-control of pests and diseases	1	8	12	20	15	5	20	23	17	40
Production of bio control agents and bio pesticides				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	5	50	12	62	69	15	84	119	27	146
VIII Fisheries										
Integrated fish farming				0			0	0	0	0
Carp breeding and hatchery management				0			0	0	0	0
Carp fry and fingerling rearing				0			0	0	0	0
Composite fish culture				0			0	0	0	0
Hatchery management and culture of freshwater prawn				0			0	0	0	0
Breeding and culture of ornamental fishes				0			0	0	0	0
Portable plastic carp hatchery				0			0	0	0	0
Pen culture of fish and prawn				0			0	0	0	0
Shrimp farming				0			0	0	0	0
Edible oyster farming				0			0	0	0	0
Pearl culture				0			0	0	0	0
Fish processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
IX Production of Inputs at site										
Seed Production				0			0	0	0	0
Planting material production				0			0	0	0	0
Bio-agents production				0			0	0	0	0
Bio-pesticides production				0			0	0	0	0
Bio-fertilizer production				0			0	0	0	0
Vermi-compost production				0			0	0	0	0
Organic manures production				0			0	0	0	0
Production of fry and fingerlings				0			0	0	0	0
Production of Bee-colonies and wax sheets				0			0	0	0	0
Small tools and implements				0			0	0	0	0
Production of livestock feed and fodder				0			0	0	0	0
Production of Fish feed				0			0	0	0	0
Mushroom Production				0			0	0	0	0

b) Fruits										
Training and Pruning				0			0	0	0	0
Layout and Management of Orchards	1	0	0	0	14	16	30	14	16	30
Cultivation of Fruit				0			0	0	0	0
Management of young plants/orchards				0			0	0	0	0
Rejuvenation of old orchards				0			0	0	0	0
Export potential fruits				0			0	0	0	0
Micro irrigation systems of orchards				0			0	0	0	0
Plant propagation techniques				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (b)	1	0	0	0	14	16	30	14	16	30
c) Ornamental Plants										
Nursery Management				0			0	0	0	0
Management of potted plants				0			0	0	0	0
Export potential of ornamental plants				0			0	0	0	0
Propagation techniques of Ornamental Plants				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (c)	0	0	0	0	0	0	0	0	0	0
d) Plantation crops										
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (d)	0	0	0	0	0	0	0	0	0	0
e) Tuber crops										
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (e)	0	0	0	0	0	0	0	0	0	0
f) Spices										
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (f)	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants										
Nursery management				0			0	0	0	0
Production and management technology				0			0	0	0	0
Post harvest technology and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total (g)	0	0	0	0	0	0	0	0	0	0
GT (a-g)	1	0	0	0	14	16	30	14	16	30
III Soil Health and Fertility Management										
Soil fertility management				0			0	0	0	0
Integrated water management				0			0	0	0	0
Integrated Nutrient Management				0			0	0	0	0
Production and use of organic inputs				0			0	0	0	0
Management of Problematic soils				0			0	0	0	0
Micro nutrient deficiency in crops				0			0	0	0	0
Nutrient Use Efficiency				0			0	0	0	0
Balance use of fertilizers	1	7	5	12	14	24	38	21	29	50
Soil and Water Testing				0			0	0	0	0

Others (pl specify)				0			0	0	0	0
Total	1	7	5	12	14	24	38	21	29	50
IV Livestock Production and Management										
Dairy Management				0			0	0	0	0
Poultry Management				0			0	0	0	0
Piggery Management				0			0	0	0	0
Rabbit Management				0			0	0	0	0
Animal Nutrition Management				0			0	0	0	0
Disease Management				0			0	0	0	0
Feed & fodder technology				0			0	0	0	0
Production of quality animal products				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening				0			0	0	0	0
Design and development of low/minimum cost diet				0			0	0	0	0
Designing and development for high nutrient efficiency diet				0			0	0	0	0
Minimization of nutrient loss in processing				0			0	0	0	0
Processing and cooking	1	0	16	16	0	18	18	0	34	34
Gender mainstreaming through SHGs				0			0	0	0	0
Storage loss minimization techniques				0			0	0	0	0
Value addition	6	27	104	131	2	69	71	29	173	202
Women empowerment				0			0	0	0	0
Location specific drudgery reduction technologies				0			0	0	0	0
Rural Crafts				0			0	0	0	0
Women and child care				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	7	27	120	147	2	87	89	29	207	236
VI Agril. Engineering										
Farm Machinery and its maintenance				0			0	0	0	0
Installation and maintenance of micro irrigation systems				0			0	0	0	0
Use of Plastics in farming practices				0			0	0	0	0
Production of small tools and implements				0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0	0	0	0
Small scale processing and value addition				0			0	0	0	0
Post Harvest Technology				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
VII Plant Protection										
Integrated Pest Management	3	0	5	5	99	31	130	99	36	135
Integrated Disease Management	2	15	2	17	10	8	18	25	10	35
Bio-control of pests and diseases	1	2	4	6	12	19	31	14	23	37
Production of bio control agents and bio pesticides				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	6	17	11	28	121	58	179	138	69	207
VIII Fisheries										
Integrated fish farming				0			0	0	0	0

Carp breeding and hatchery management				0			0	0	0	0
Carp fry and fingerling rearing				0			0	0	0	0
Composite fish culture				0			0	0	0	0
Hatchery management and culture of freshwater prawn				0			0	0	0	0
Breeding and culture of ornamental fishes				0			0	0	0	0
Portable plastic carp hatchery				0			0	0	0	0
Pen culture of fish and prawn				0			0	0	0	0
Shrimp farming				0			0	0	0	0
Edible oyster farming				0			0	0	0	0
Pearl culture				0			0	0	0	0
Fish processing and value addition				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
IX Production of Inputs at site										
Seed Production				0			0	0	0	0
Planting material production				0			0	0	0	0
Bio-agents production				0			0	0	0	0
Bio-pesticides production				0			0	0	0	0
Bio-fertilizer production				0			0	0	0	0
Vermi-compost production				0			0	0	0	0
Organic manures production				0			0	0	0	0
Production of fry and fingerlings				0			0	0	0	0
Production of Bee-colonies and wax sheets				0			0	0	0	0
Small tools and implements				0			0	0	0	0
Production of livestock feed and fodder				0			0	0	0	0
Production of Fish feed				0			0	0	0	0
Mushroom Production				0			0	0	0	0
Apiculture				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
X Capacity Building and Group Dynamics										
Leadership development				0			0	0	0	0
Group dynamics				0			0	0	0	0
Formation and Management of SHGs	2	13	7	20	15	10	25	28	17	45
Mobilization of social capital				0			0	0	0	0
Entrepreneurial development of farmers/youths				0			0	0	0	0
WTO and IPR issues				0			0	0	0	0
Others (pl specify)				0			0	0	0	0
Total	2	13	7	20	15	10	25	28	17	45
XI Agromet										
Farmers awareness and importance of Meghdoot App and Damini App	1	0	12	12	0	20	20	0	32	32
Preparation of organic pesticides and importance and use of Meghdoot & Damini app	1	0	0	0	3	19	22	3	19	22
Integrated Farming Systems	1	5	0	5	15	0	15	20	0	20
		0	0	0	0	0	0	0	0	0
Total	3	5	12	17	18	39	57	23	51	74
GRAND TOTAL	28	138	165	303	231	337	568	369	502	871

Small tools and implements	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0
Mushroom Production	0	0	0	0	0	0	0	0	0	0
Apiculture	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
X Capacity Building and Group Dynamics										
Leadership development	1	1	0	1	19	0	19	20	0	20
Group dynamics	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	3	13	31	44	15	11	26	28	42	70
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	4	14	31	45	34	11	45	48	42	90
XI Agro-forestry										
Production technologies	5	49	13	62	25	21	46	74	34	108
Nursery management	3	34	1	35	35	20	55	69	21	90
Integrated Farming Systems	2	35	0	35	17	0	17	52	0	52
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
Total	10	118	14	132	77	41	118	195	55	250
GRAND TOTAL	59	493	320	813	512	522	1034	1005	842	1847

Training for Rural Youths including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops				0			0	0	0	0
Training and pruning of orchards				0			0	0	0	0
Protected cultivation of vegetable crops				0			0	0	0	0
Commercial fruit production				0			0	0	0	0
Integrated farming				0			0	0	0	0
Seed production				0			0	0	0	0
Production of organic inputs				0			0	0	0	0
Planting material production				0			0	0	0	0
Vermi-culture				0			0	0	0	0
Mushroom Production				0			0	0	0	0
Bee-keeping				0			0	0	0	0
Sericulture				0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0	0	0	0
Value addition				0			0	0	0	0
Small scale processing				0			0	0	0	0
Post-Harvest Technology				0			0	0	0	0
Tailoring and Stitching				0			0	0	0	0
Rural Crafts				0			0	0	0	0
Production of quality animal products				0			0	0	0	0
Dairying				0			0	0	0	0
Sheep and goat rearing				0			0	0	0	0
Quail farming				0			0	0	0	0
Piggery				0			0	0	0	0
Rabbit farming				0			0	0	0	0
Poultry production				0			0	0	0	0
Ornamental fisheries				0			0	0	0	0
Composite fish culture				0			0	0	0	0
Freshwater prawn culture				0			0	0	0	0
Shrimp farming				0			0	0	0	0

Seed production	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0	0	0
Mushroom Production	0	0	0	0	0	0	0	0	0	0
Bee-keeping	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	0	0	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0
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	1	15	0	15	7	0	7	22	0	22
TOTAL	1	15	0	15	7	0	7	22	0	22

Details of trainings organized under ASCI

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery worker	0	0	0	0	0	0	0	0	0	0
Mushroom Production	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0

Training programmes for Extension Personnel including sponsored training programmes (on campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	1	18	6	24	20	1	21	38	7	45
Integrated Pest Management				0			0	0	0	0
Integrated Nutrient management				0			0	0	0	0
Rejuvenation of old orchards				0			0	0	0	0
Protected cultivation technology				0			0	0	0	0
Production and use of organic inputs				0			0	0	0	0
Care and maintenance of farm machinery and implements				0			0	0	0	0
Gender mainstreaming through SHGs				0			0	0	0	0
Formation and Management of SHGs				0			0	0	0	0
Women and Child care				0			0	0	0	0
Low cost and nutrient efficient diet designing				0			0	0	0	0
Group Dynamics and farmers organization				0			0	0	0	0
Information networking among farmers				0			0	0	0	0
Capacity building for ICT application				0			0	0	0	0
Management in farm animals				0			0	0	0	0
Livestock feed and fodder production				0			0	0	0	0
Household food security				0			0	0	0	0
Any other (SHG Management)	2	45	0	45	31	0	31	76	0	76

Soil health and fertility management	0	0	0	0	0	0	0	0	0	0
Production of Inputs at site	0	0	0	0	0	0	0	0	0	0
Methods of protective cultivation	0	0	0	0	0	0	0	0	0	0
Others (NICRA and Natural Farming)	9	110	50	160	63	29	92	173	79	252
Total	9	110	50	160	63	29	92	173	79	252
Post-harvest technology and value addition										
Processing and value addition				0			0	0	0	0
Others (pl. specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
Farm machinery										
Farm machinery, tools and implements				0			0	0	0	0
Others (pl. specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
Livestock and fisheries										
Livestock production and management				0			0	0	0	0
Animal Nutrition Management				0			0	0	0	0
Animal Disease Management				0			0	0	0	0
Fisheries Nutrition				0			0	0	0	0
Fisheries Management				0			0	0	0	0
Others (Dairy farming, Bee Keeping)	3	50	33	83	0	0	0	50	33	83
Total	3	50	33	83	0	0	0	50	33	83
Home Science										
Household nutritional security				0			0	0	0	0
Economic empowerment of women				0			0	0	0	0
Drudgery reduction of women				0			0	0	0	0
Others (pl. specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
Agricultural Extension										
Capacity Building and Group Dynamics	0	0	0	0	0	0	0	0	0	0
Others (JSA)	4	15	28	43	40	82	122	55	110	165
Total	4	15	28	43	40	82	122	55	110	165
GRAND TOTAL	16	175	111	286	103	111	214	278	222	500

Details of vocational training programmes carried out by KVK for rural youth

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Commercial floriculture				0			0	0	0	0
Commercial fruit production				0			0	0	0	0
Commercial vegetable production				0			0	0	0	0
Integrated crop management				0			0	0	0	0
Organic farming				0			0	0	0	0
Others (pl. specify)				0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
Post-harvest technology and value addition										
Value addition				0			0	0	0	0
Others (pl. specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
Livestock and fisheries										
Dairy farming	1	0	33	33	0	0	0	0	33	33
Composite fish culture				0			0	0	0	0
Sheep and goat rearing				0			0	0	0	0
Piggery				0			0	0	0	0
Poultry farming				0			0	0	0	0
Others (Bee keeping)	2	50	0	50	0	0	0	50	0	50
Total	3	50	33	83	0	0	0	50	33	83
Income generation activities										
Vermicomposting				0			0	0	0	0
Production of bio-agents, bio-pesticides, Bio-fertilizers etc.			0	0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0	0	0	0
Rural Crafts				0			0	0	0	0
Seed production				0			0	0	0	0
Sericulture				0			0	0	0	0
Mushroom cultivation				0			0	0	0	0
Nursery, grafting etc.	0	0	0	0	0	0	0	0	0	0
Tailoring, stitching, embroidery, dying etc.				0			0	0	0	0
Agril. para-workers, para-vet training				0			0	0	0	0
Others (pl. specify)				0			0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
Agricultural Extension										
Capacity building and group dynamics	0	0	0	0	0	0	0	0	0	0
Others										
Total										
Grand Total	3	50	33	83	0	0	0	50	33	83

IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	Total
Diagnostic visits	9	82	3	85
Field Day	8	162	5	167
Group discussions	2	85	5	90
Kisan Ghosthi	8	1,151	35	1186
Film Show	4	2132	10	2142
Self -help groups	0	0	0	0
Kisan Mela	4	1952	0	1952
Exhibition	4	1850	3	1853
Scientists' visit to farmers field	55	550	23	573
Plant/animal health camps	0	0	0	0
Farm Science Club	0	0	0	0
Ex-trainees Sammelan	0	0	0	0
Farmers' seminar/workshop	1	45	10	55
Method Demonstrations	5	1,700	26	1726
Celebration of Important days	4	22	180	202
Special day celebration	12	793	15	808
Exposure visits	0	0	0	0
Others (pl. specify)	0	0	0	0
Total	116	10524	315	10839
Advisory Services	736	3919498	18	3919516
Total	852	39,30,022	333	39,30,355

Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	7
Extension Literature	16
News paper coverage	30
Popular articles	2
Radio Talks	4
TV Talks	0
Animal health Camps (Number of animals treated)	0
Others (pl. specify)	0
Total	59

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	
Sirohi	Text only	199	93	175	50	30	189	736
	Voice only							
	Voice & Text both							
	Total Messages	199	93	175	50	30	189	736
	Total farmers Benefitted							39,19,516

V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs organized Technology Week	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
KVK Sirohi	Gosthies	4		1. Parthenium Eradication Week (14-20.08.2022) 2. Single Use Plastic Ban (16-31.08.2022) 3. Plantation Programme (26.07 to 04.08.2022) 4. Swacchhata Abhiyan (02-31.10.2022) 5. Poshan Maah (01-30.09.2022)
	Lectures organized	1		
	Exhibition	1		
	Film show			
	Fair	1		
	Farm Visit			
	Diagnostic Practical			
	Distribution of Literature (No.)	1000-1500		
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)	100		
	Bio Product distribution (Kg)			
	Bio Fertilizers (q)			
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
Total number of farmers visited the technology week			900-1000	

VI. PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS

Production of seeds by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals	Barley	BH-959		4.62		
Oilseeds	Mustard	RH-0406		26.68		
		RH-725		32.33		
		Taramira	RTM-1355		3.10	
	Sesame	RT-351		13.85		
Pulses	Gram	GNG-2144		25.80		
	Greengram	IPM-410-3		25.00		
Commercial crops						
Vegetables						
Flower crops						
Spices	Cumin	GC-4		12.87		
Fodder crop seeds						
Fiber crops						
Forest Species						
Others						
Total				144.25	3,13,790	

Production of planting materials by the KVKs

Crop	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial						
Vegetable seedlings	Chilli	Golden hot pepper		611	917	
	Tomato	Meghdoot		1823	3643	
Fruits	Papaya	Red Lady 786		56039	1120780	
	Lime	Barahmasi		3188	79700	
Ornamental plants						
Medicinal and Aromatic	Drumstick	ODC-3/PKM-1		10752	161280	
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others						
Total				72,413	13,66,320	

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity	Value (Rs.)	No. of Farmers
		Kg		
Bio Fertilizers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others				
Food Products	<i>Abu Sonf Sharbat, Sonf Instant Mix, Abu Sonf</i>		28,398	
Total			28398	

Table: Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Goat				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl. specify)				
Fisheries				
Indian carp				
Exotic carp				
Others (Pl. specify)				
Total				

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)	No. of soil health cards distributed
Soil	376	350	10-15	75200	350
Water	107	95	5-10	2140	
Plant					
Others (pl.specify)					
Total	483			77,340	

VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Date of SAC Meeting	Participants
Sirohi	24.08.2022	34

IX. NEWS LETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution
-	-
-	-

X. PUBLICATIONS

Category	Number
Research Paper	5
Technical bulletins	0
Technical reports	20
Others (pl. specify) (Folder, Book chapter, Radio Talk, Manual, Booklets etc.)	9

XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM

Activities conducted				
No. of Training programmes	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
-	-	-	-	-

STATUS REVOLVING FUNDS

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
2019-20	15,85,130	9,86,459	11,05,951	14,47,638
2020-21	14,47,638	11,62,257	12,62,264	13,47,631
2021-22	13,47,631	15,26,986	17,44,653	11,29,964
2022-23	11,29,964	18,54,894	16,02,696	13,81,889

XII. INTERVENTIONS ON DISASTER MANAGEMENT/UNSEASONAL RAINFALL/HAILSTORM/COLD WAVES ETC

Introduction of alternate crops/varieties

Crops/cultivars	Area (ha)	Extent of damage	Recovery of damage through KVK initiatives if any
-	-	-	-
Total			

Major area coverage under alternate crops/varieties

Crops	Area (ha)	Number of beneficiaries
Oilseeds	-	-
Pulses	-	-
Cereals	-	-
Vegetable crops	-	-
Tuber crops	-	-
Total	-	-

Farmers-scientists interaction on livestock management

Livestock components	Number of interactions	No.of participants
-	-	-
-	-	-
Total	-	-

Animal health camps organized

Number of camps	No. of animals	No. of farmers
-	-	-
-	-	-
Total		

Seed distribution in drought hit states

Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
-	-	-	-
-	-	-	-
Total-	-	-	-

Large scale adoption of resource conservation technologies

Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
-	-	-
-	-	-
Total	-	-

Awareness campaign

	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-

XIII. DETAILS ON HRD ACTIVITIES**A. HRD activities organized in identified areas for KVK staff by the Directorate of Extension**

Name of the SAU	Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved

B. HRD activities organized in identified areas for KVK staff by ATARI

Title of the training programmes	No of programmes	No. of Participants	No. of KVKs involved
ICM in Mustard (NFSM-Oilseed)	1	25	KVK, Sirohi
ICM in Sesame (NFSM-Oilseed)	1	25	KVK, Sirohi
ICM in Green gram(NFSM-Pulses)	1	25	KVK, Sirohi
ICM in Chickpea (NFSM-Pulses)	1	25	KVK, Sirohi
Total	4	100	KVK, Sirohi

XIV. CASE STUDIES (CASE STUDIES MAY BE GIVEN IN DETAIL AS PER THE FOLLOWING FORMAT)

Each Zone should propose a minimum of three case studies with good action photographs (with captions on the backside of the hard copy of the photos) on the following topics

- Effective popularization on a larger scale of any one FLD technology and its role in transformation of district agriculture with respect to that particular crop or enterprise*
- Performance of the end results of any one technology assessed if any and its impact in district agriculture with respect to that crop or enterprise*
- Effect of production and supply of seeds and planting material / animal breed / or bio-product and its impact on district agriculture with respect to that crop/ enterprise/ bio-product*

The general format for preparing the above case studies are furnished below

Special programme

- **FLD:** FLD is a unique approach to provide a direct interface between research and farmers as the scientist is directly involved in planning and execution and monitoring of the demonstration for the technologies developed by them and get direct feedback from the farmer's fields about production in general and technology being demonstrated in particular.
 - **Mustard:** In Sirohi district demonstration on oilseed production under ICM and IDM were laid out on 50 hectare at farmer's field on mustard crop variety- RH-0749. The weighted yield of mustard was 22.1 q/ha obtained under demo which was 31.07 percent higher over local check due to its bold seeds and higher yield potential farmers satisfied with this variety. Hence In 2021-22, 100 demonstrations were conducted at different villages.
 - **Chickpea:** Demonstration on chickpea under NFSM pulses were conducted at 25 farmer's field on an area of 10 hectare. The highest yield of 20.5 q/ha was recorded under ICM compare to local check. In 2021-22, 25 demonstrations of new variety GNG-2144 were conducted in different villages.
 - **Green gram:** 75 Demonstrations were undertaken by KVK Sirohi covering an area of 30 hectare by introducing new variety IPM-410-3. The yield of demo was 27.86 percent higher over local check.
 - **Sesame:** CFLD on sesame (RT-351) conducted an area of 20 hectare at 50 farmers' field. The yield of demo was 27.21 percent higher over local check.
- **Orchard:** - There are many orchards established on KVK Campus in different years. Lime orchard of 300 plants (Variety- NRCC-7, NRCC-8) in 1.5 hectare area in 2020, Guava orchard of 108 plants (Variety- Allahabad Safeda, Barf Khan) in 0.4 ha. area in 2020, Sapota orchard of 50 plants (Variety- Kali Patti), Mango orchard of 50 plants (Dasharoi and Sadabahar) in 2020 and Custard apple orchard of 189 plants (Variety- Balanagar, NMK, Arka Sahan, Anona-2) in 0.5 ha area were established in 2018. Recently, 800 plants of papaya crop (Variety- Red Lady-786) were established in Sept, 2022 under 0.7 ha area.

➤ **NICRA: National Innovations in Climate Resilient Agriculture**

Indian Council of Agricultural Research (ICAR), Ministry of Agriculture and Farmers Welfare, Government of India launched a flagship network project 'National Innovations in Climate Resilient Agriculture' (NICRA) in 2011. This project was started at KVK, Sirohi in the Year 2022-23 with the adoption of Dhanta village. The project aims at strategic research on adaptation and mitigation, demonstration of technologies on farmers' fields and creating awareness among farmers and other stakeholders to minimize the climatic change impacts on agriculture. Practices of field bunding and summer deep ploughing were carried out with the 25 adopted farmers. Intervention of drought tolerant variety MPMH-17 of Bajra and short duration variety GM-7 of Green gram were provide to 30 farmers for field sowing. Mustard variety RH-406 demonstrated to 25 Farmers. Crop diversification intervention is being taken in the selected village with 92 NHRDF nutri kit and 500 papaya plant for demonstration on farmers' field. Custom Hiring Center has been established in the village. Training (4 on and 4 off

campus) and awareness programme were organized which benefited total 208 farmers. New technology introduced and technical inputs were provided to the farmers for their sustainable crop production.

In the strategic research, the main thrust areas covered are (i) identifying most vulnerable districts/regions, (ii) evolving crop varieties and management practices for adaptation and mitigation, (iii) assessing climate change impacts on livestock, fisheries and poultry and identifying adaptation strategies.

Objectives

- To enhance the resilience of Indian agriculture covering crops, livestock and fisheries to climatic variability and climate change through development and application of improved production and risk management technologies.
- To demonstrate site specific technology packages on farmers' fields for adapting to current climate risks.
- To enhance the capacity of scientists and other stakeholders in climate resilient agricultural research and its application.

This project has 4 Modules

1. **Natural resources management:** This module consists of interventions related to in-situ moisture conservation, water harvesting and recycling for supplemental irrigation, improved drainage in flood prone areas, conservation tillage where ever appropriate, artificial ground water recharge and water saving irrigation methods.
2. **Crop production:** This module consists of introducing drought/temperature tolerant varieties, advancement of planting dates of rabi crops in areas with terminal heat stress, frost management in horticulture through fumigation, community nurseries for delayed monsoon, custom hiring centers for timely planting, location specific intercropping systems with high sustainable yield index.
3. **Livestock Management:** Use of community lands for fodder production during droughts/floods, improved fodder/feed storage methods, preventive vaccination, improved shelters for reducing heat stress in livestock , management of fish ponds/tanks during water scarcity and excess water, etc.
4. **Institutional intervention:** This module consists of institutional interventions either by strengthening the existing ones or initiating new ones relating to seed bank, fodder bank, commodity groups, custom hiring centre, collective marketing, and introduction of weather index based insurance and climate literacy through a village level weather station.

Natural Farming

- **Out scaling of Natural Farming'** project at the KVK, Sirohi was started in the year 2022-23. Natural Farming can be defined as "chemical- free and livestock-based farming". It is considered as agro-ecology based diversified farming system which integrates crops, trees and livestock with functional biodiversity. Natural Farming holds the promise of enhancing farmers' income while delivering many other benefits, such as restoration of soil fertility and environmental health, and mitigating and/or reducing greenhouse gas emissions. Natural Farming builds on natural or ecological processes that exist in or around farms. Natural Farming is the most important way and alternate of agro ecological sustainability and to mitigate and address the climate change as well as chemical free agriculture.

There is need to eliminate chemicals in agriculture gradually, besides this is urgent need to promote reduce the cost of reduction technologies and crops cultivation as well as livestock rearing for empowering the farming families.

Demonstration on Natural Farming were given with 200 litre capacity plastic drums and tubs for preparation of Jeewamrit to 16 farmers for increasing awareness on it. One on-campus training and 10 kisan Goshthis were also conducted which benefitted 180 farmers. Scientist of KVK were also participated in the National Workshop and trainings organized at Gwalior and Kurukshetra, respectively.

- **Swachhata Campaign 2022:** Swachhata campaign for cleanliness, was organized from 2 Oct. 2022 to 31st Oct 2022. Banners are displayed in prominent places to create awareness. All the staff members of the institute took active part for taking Swachhata pledge. The staff members of the KVK and READY students of CoA, Sumerpur actively participated in many activities like spreading awareness among the villagers and school students about cleanliness by organizing quiz and essay competitions explained the benefits of compost pits by utilizing kitchen wastes. The cleaning of sewerage & water lines were done by the staff members inside the institute campus. Further, the staff members also participated in the cleaning activity in the village. Swachhta Awareness program was organized at local level with the help of the farmers, farm women and village youth in new village not adopted by any institute. Scientists visited the village Paldi-M and Veravilpur and shared their knowledge about swachhata, compost preparation, minimizing the use of plastics, poultry farming and animal husbandry etc.

KVK organized Kisan Diwas on 23rd December, 2022 in which KVK staff shared knowledge about swachhata, compost preparation, minimizing the use of plastics to the farmers and farmers also took part in cleaning the premises of the institute campus. The activities were widely published in the daily news papers.

- **TSP:** TSP activity started at KVK Sirohi in the year 2017-18. In this activity of ICAR, KVK have significantly worked towards the upliftment of livelihood of tribal farmers through increasing their farm income. Rhode Island Red breed demonstrated to 50 farmers (42 days old 20 chicks to each farmer). Farmers found it a stable source of income. Farmers get income not only through selling eggs but also by selling chicks. Storage bin demonstrated to 50 farmers of selected village under TSP. Overall savings enhanced the per unit income by saving cost of buying seeds as well as cost of pesticides use to kill storage grain pests. Knapsack sprayers were demonstrated to 50 farmers which benefitted in terms of labor requirement which was high in case of manual sprayer. Tarpulins were demonstrated to 50 farmers for drying of fennel crop. FLDs were given on wheat (DBW-187) to 25 farmers and cumin (GC-4) to 24 farmers which were proved most effective quality seed and to make farmers aware of using efficient agricultural technologies. Total 3 off campus and 3 on campus trainings were organized which benefitted total 250 farmers. Farmers earned 1875 rupees per month through poultry and about 20000/per season through inclusion of nutri-garden in their traditional farm practices. Total 230 farmers were directly benefitted and 1050 farmers were indirectly benefitted through kisan goshti, kisan mela etc.

NARI (Nutri-Sensitive Agricultural Resources and Innovation)- It is a woman centered programme that is by the woman and for the woman. This is a new initiative to strengthen the farm woman in the community. It will provide nutrition security to the women and children. It will not only provide nutrition security to farm women and their family but also helpful to maintain their nutritional status. It will be further contribute to reduce malnutrition in the community. Hence the project is planned with following objectives.

Objectives-

1. To combine nutrition and agriculture to promote Nutri Sensitive Agriculture.
2. To aware farm women and rural youth for Nutri Sensitive Agriculture.
3. To create awareness for nutri garden.

Activities under the NARI Scheme not only focused to ensure food security but also concentrate on nutritional security to farm woman and their families. It will further contribute to combat malnutrition. Following activities were conducted under NARI Scheme as:- Nutrition awareness camps were organized to aware the general mass regarding food and its nutritional aspect.

- **Rashtriyā Poshan Maah, 2022 (01-30 September)** : POSHAN Abhiyaan is the Government of India's flagship programme to improve nutritional outcomes for children, adolescents, pregnant women and lactating mothers by leveraging technology, a targeted approach and convergence. POSHAN Abhiyaan is not a programme but a Jan Andolan, and Bhagidaari, meaning "People's Movement". This programme incorporates inclusive participation of public representatives of local bodies, government departments of the state, social organizations and the public and private sector at large.

National Nutrition Mission named as the Hon'ble Prime Minister's overarching scheme for Holistic Nutrition –POSHAN Abhiyaan was launched as a multi-ministerial convergence mission, with the overarching vision to make India malnutrition free by 2022. In order to ensure community mobilization and bolster people's participation, every year, the month of September is celebrated as POSHAN Maah across the country. Poshan Abhiyaan overall intends to increase nutritional awareness and responsiveness among mothers of young children, adolescent girls, pregnant and lactating women, family members including husbands, father, mothers-in-law and community members, health care providers (ANM, ASHA, Aanganwadi worker) about vital nutrition behaviour.

This year, as India celebrates the "Azadi Ka Amrit Mahotsav", to ensure speedy & intensive outreach, the entire month has been subdivided into weekly themes for focused and assimilated approach towards improving Holistic Nutrition. The wide gamut of activities during the POSHAN Maah were broadly focused on plantation drive for POSHAN VATIKA by all the stakeholders in the space available at Anganwadis, School Premises, Gram Panchayats and other places, Yoga and AYUSH for nutrition, distribution of Nutrition Kits comprising of regional

nutritious food and identification of SAM (Severe acute malnutrition) children with Supervised Supplementary Feeding Program and sensitization/awareness drive for COVID vaccination.

A Poshan Tracker application has been rolled out by Ministry of Women and Child Development for real time monitoring and tracking of nutrition strengthening approach at Aanganwadi Centre (AWC) and service deliveries of Aanganwadi Workers (AWWs) levels. By ensuring an adequate, healthy diet in infants and young children, we can help them to develop into healthy, productive adults. Good nutrition helps children to grow properly and the strength to play and learn. A key component of optimal nutrition during childhood and beyond is adequate intake of important micro- and macronutrients.

Rashtriya Poshan Diwas was celebrated on 17th Sept 2022 in the KVK premises, *Marudhara Aabu Saunf Sharbat* was launched by DDG ICAR (Extension Education) Dr AK Singh, Director ATARI Zone II Dr S.K Singh and Director AU, Jodhpur Dr Ishwar Singh. Total 282 farmers and farm women were participated and IFFCO New Delhi sponsored Nutri garden kits were distributed to the farmers and farm women to ensure household nutrition security. Exhibition by different stake holders and KVK products were also demonstrated at KVK campus on the day of ***Rashtriya Poshan Diwas***.

One Product One KVK:- One Product One KVK activity is started from 2022 to identify a selective product for each KVK for value addition activities and revenue generation. Saunf is ‘One District One Product’ (ODOP) for Sirohi. To promote Vocal For Local and ODOP schemes of Govt of India. In same line of action KVK Sirohi is selected *Abu Saunf based products Sharbat, Packed Saunf and Saunf Instant Mix*. Product is branded and promoted by name “**MARUDHARA**”. *Marudhara Aabu Saunf Sharbat* was launched by DDG, ICAR (Extension Education) Dr A.K. Singh, Director ATARI Zone II DR S.K Singh and Director AU, Dr Ishwar Singh on ***Rashtriya Poshan Diwas (17 Sept 2022.)***

- **Doubling Farmers Income:** KVK Sirohi have adopted the Village Rukhara and Thandiberi for doubling farmer’s income. After in-depth analysis of the salient features of Village's agriculture and allied activities, KVK have been working for agricultural and farming development on below mentioned activities.

Activities carried out in selected villages:

- Organized awareness programmes on Soil health, Seed production management, Integrated Nutrient Management, Integrated Weed Management, Efficient water management, Integrated Pest Management, Post-harvest management, Value addition, Storage, Marketing etc.
- Conducted FLD (Mustard- RH406 on 25 farmers field, DBW-186 on 25 farmers field) Nutri garden kit (30 farm women) under NARI Project and Tribal Sub-Plan and demonstration of 10 battery operated sprays to 50 farmers on improved technologies regularly to aware and update the practicing farmers, farm women and youths.
- Conducted 8 on campus and off campus training programme and benefiting 275 farmers and farm women.
- Following Interventions undertaken under DFI programme:

S.No.	Name of intervention	No. of farmers targeted	Income enhancement (Rs./ year/ farmer)
1	Backyard poultry	40	15000
2	Nutri garden	30	10000

- Seed treatment in order of FIR (Fungicide, Insecticide & Rhizobium) especially seed inoculation with biofertilizers (Rhizobium, Azotobacter, Azospirillum, PSB) which are cheap.
- Adopted ICM, INM, IPM and IWM practices to minimize biotic and abiotic stress.
- Crop diversification (diversification towards high value crops), crop rotation, intercropping.
- Enhance resource use efficiency by using right amount of inputs at right time at right place.
- Water harvesting structure and integrated watershed management programme.
- Proper harvesting of crops and transportation of produce
- Proper seed storage
- Value addition of Pulse crops and Post-harvest management of agricultural crops
- Inclusion of horticultural crops and high value crops
- Adoption of farming system approach
- Inclusion of efficient water use technologies- drip, sprinkler
- Awareness on Pradhan Mantri Krishi Sinchayee Yojana, Paramparagat Krishi Vikas Yojana, Fasal Bima Yojna, PKSNY and National Agriculture Market (e-NAM) schemes. Linkage to agro-industries for assured market.

➤ **DAMU :**


Meteorology:- Preparation of weather forecast based agricultural advisory bulletin and disseminating to the farmers of Sirohi district through mass media, extension agencies, government and non-governmental organizations. To make people aware about diseases and pests in crops with agricultural advice.

Meghdoot App:- Gives the information to farmers about the weather, Meghdoot app is proving very beneficial in the farming of the farmers. This app has been jointly released by Ministry of Agriculture and Ministry of Earth Sciences. Many times farmers irrigate the crop in the morning and it rains in the evening, in such a way, with the help of this app, the farmers will get all the information sitting at home. With which the farmer is saved from unnecessary expenses, along with the weather, all the information about farming, farming and animal husbandry are also available in this app.

Damini App:- Indian Institute of Thermal Meteorology, Pune, Ministry of Earth Sciences has launched an app named Damini. The Earth Ministry has set up a lightning location network with 48 sensors in 48 parts of the country, this app will give every moment information about the weather to the farmer as well as issue an alert about celestial lightning. On getting the lightning alert, the farmers working in the fields can reach to the safe place in time. According to the location, there will be a warning of lightning in the 20 km radius of the area. With the help of this app, people will be warned about thunderclap on mobile phones. The warning will be received through audio and SMS 30 to 40 minutes before lightning, this app will give accurate forecast of thunderstorm in a radius of 40 square kilometers.

Agricultural Weather Advisory: - The District Agricultural Meteorological Unit prepares useful agricultural advice for farmers with the advice of all agricultural experts, twice a week on Tuesday and Friday. Important advice for animal husbandry is also given in the Agricultural Weather Advice. These agricultural weather advisories are disseminated through the spread message, WhatsApp, email, etc.

Success Stories

	Effect of DFI intervention	Name of KVK: Sirohi
	Name of farmer:	Mahendra Kumar Meena
	Address:	V/P- Pausalia ; Teh- Sheoganj ; Dist- Sirohi
	Mobile Number:	9785959193
	Age:	38
	Education:	B. A.
	Size of land holding (in acre):	5

1) Before Intervention




Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/ Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field crop 1	Castor	3	30	105000	85000
Total		3	30	105000	85000


2) Status in 2022

Component Description		Period 2021-22				% increase over base year	
Components	Names	Area (Acre)/ Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field crop 1	Castor	1	12	51000	42000	-60	-50.58
Livestock 1	Honey bee	100	3500	475000	308000	100	100.00
Total				526000	350000		311.76

Brief: The farmer used to get annual income of Rs. 85000/- from traditional crops etc. He faced problems like lack of awareness and technical knowledge etc. With DFI interventions like honey bee, CFLD, trainings and demonstration etc., he is getting annual income of Rs.350000/-. In addition, there is cost saving of Rs.35000/- due to use of IPM and INM technologies in the production.

	
Castor Field	Honeybee

	Effect of DFI intervention		Name of KVK: Sirohi				
	Name of farmer:		Vagta Ram				
	Address:		V/P- ; Teh- Reodar; Dist- Sirohi				
	Mobile Number:		9602693566				
	Age:		25				
	Education:		12th				
	Size of land holding (in acre):		30				
1) Before Intervention							
Component Description			Benchmark (Baseline period 2018-19)				
Components	Names	Area (Acre)/ Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)		
Field Crop 1	Castor	7	75	300000	230000		
Field Crop 2	Wheat	12	120	231000	137000		
Field Crop 3	Mustard	9	68	236000	169000		
Total				767000	536000		
2) Status in 2022							
Component Description			Period 2021-22			% increase over base year	
Components	Names	Area (Acre)/ Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop 1	Castor	7	91	382000	313000	21	36.00
Field Crop 2	Groundnut	8	80	344000	265500	100	100.00
Hort. Crop 1	Fennel	3	9	110000	86000	100	100.00
Hort. Crop 2	Nursery	0.49	500000	1500000	958000	100	100.00
Total				2336000	1622500		202.71
<p>Brief: The farmer used to get annual income of Rs. _536000_ from field crops etc. He faced problems like _undulating land, lack of awareness etc. With DFI interventions like HYV, CFLD, Trainings, demonstration etc., he is getting annual income of Rs1622500. In addition, there is cost saving of Rs 43800/- in the production by use of grow covers and drip irrigation, IPM etc..</p>							
							
Castor cultivation				Nursery raising with low tunnel			

	Effect of DFI intervention	Name of KVK: Sirohi
	Name of farmer:	Padma Ram ji Choudhary
	Address:	V/P- Bikan vas ; Dist- Sirohi
	Mobile Number:	9610004830
	Age:	79
	Education:	8th
	Size of land holding (in acre):	16

1) Before Intervention

Component Description		Benchmark (Baseline period 2016-17)			
Components	Names	Area (Acre)/ Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field crop 1	Castor	3	31	112000	87500
Field crop 2	Groundnut	2	16	55000	37000
Field crop 3	Wheat	4	40	65000	42000
Field crop 4	Mustard	5	47	168000	126000
Total			134	400000	292500

2) Status in 2022

Component Description		Period 2021-22				% increase over base year	
Components	Names	Area (Acre)/ Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop 1	Castor	5	40	272000	218000	29.0	149.1
Field Crop 2	Groundnut	4	52	247500	168000	225.0	354.1
Hort. Crop 1	Fennel	1.5	9	135000	107000	100	100.00
Hort. Crop 2	Papaya	2	1150	1100000	850000	100	100.00
Total			1251	1754500	1343000		359.15


Brief: The farmer used to get annual income of Rs.292500/- from field crops etc. He faced problems like undulating land, lack of awareness etc. With DFI interventions like HYV, CFLD, Trainings, demonstration etc., he is getting annual income of Rs1343000/-



Papaya Field



Scientific cultivation of Papaya

	Effect of DFI intervention	Name of KVK: Sirohi
	Name of farmer:	Laxman Rajpurohit
	Address:	V/P Mohabbatnagar ; Dist- Sirohi
	Mobile Number:	9929704691
	Age:	41 Year
	Education:	B. A.
	Size of land holding (in acre):	10

1) Before Intervention

Component Description		Benchmark (Baseline period 2018-19)			
Components	Names	Area (Acre)/ Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Castor	3	30	114000	88500
Field Crop 2	Wheat	2	21	36000	20000
Field Crop 2	Mustard	2	14	53000	38000
Total			65	203000	146500

2) Status in 2022

Component Description		Period 2021-22				% increase over base year	
Components	Names	Area (Acre)/ Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop 1	Wheat	2	29	53824	34500	38	72.5
Field Crop 2	Mustard	3	25	110000	88000	78.6	131.6
Hort. Crop 1	Pomegranate	2	5000	300000	191000	100	100.00
Total				463824	313500		113.99

Brief: The farmer used to get annual income of Rs. **146500/-** from field crops etc. He faced problems like undulating land, lack of awareness etc. With DFI interventions like Trainings, demonstration etc., he is getting annual income of Rs. **313500/-**. In addition to this, cost saving of Rs.12000/- due to use of drip irrigation fertigation, mulch etc



Pomegranate