

**PROFORMA FOR PREPARATION OF ANNUAL REPORT (January 2020 - December 2020)**

**APR SUMMARY**

**1. Training Programmes**

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	59	1012	771	1783
Rural youths	2	51	3	54
Extension functionaries	0	0	0	0
Sponsored Training	8	157	103	260
Vocational Training	6	144	15	159
<b>Total</b>	<b>68</b>	<b>1218</b>	<b>839</b>	<b>2057</b>

**2. Frontline demonstrations**

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	295	197.5	
Pulses	50	20	
Cereals	25	10	
Vegetables	20	2	
Other crops(Cumin & Nutri Garden)	225	7	
Hybrid crops			
<b>Total</b>	<b>615</b>	<b>234.5</b>	
Livestock & Fisheries	35		700
Other enterprises			
<b>Total</b>	<b>35</b>		<b>700</b>
<b>Grand Total</b>	<b>615</b>	<b>234.5</b>	<b>700</b>

**3. Technology Assessment**

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
<b>Technology Assessed</b>			
Crops	3	30	30
Livestock			
Various enterprises			
<b>Total</b>			

**4. Extension Programmes**

Category	No. of Programmes	Total Participants
Extension activities	200	44,26,450
Other extension activities		
<b>Total</b>		

## 5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	
Sirohi	Text only	240	93	564	0	13	252	1162
	Voice only							
	Voice & Text both							
	<b>Total Messages</b>							
	<b>Total farmers Benefitted</b>							<b>42,26,450</b>

## 6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	137.55	
Planting material (No.)	86,553	16,85,725
Bio-Products (kg)	114.1	13,010
Livestock Production (No.)		
Fishery production (No.)		

## 7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	285	57,000
Water	129	2,580
Plant		
<b>Total</b>	<b>414</b>	<b>59,580</b>

## 8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	1
2	Conferences	
3	Meetings	3
4	Trainings for KVK officials	
5	Visits of KVK officials	25
6	Book published	
7	Training Manual	1
8	Book chapters	1
9	Research papers	3
10	Lead papers	
11	Seminar papers	
12	Extension folder	
13	Proceedings	1
14	Award & recognition	2
15	On-going research projects	
16	Folder & Booklet	

**DETAIL REPORT OF APR-2020****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)	02972293230	-	<a href="mailto:pckvksirohi@yahoo.com">pckvksirohi@yahoo.com</a>

## 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	<a href="mailto:vcunivag@gmail.com">vcunivag@gmail.com</a>

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. M.S. Chandawat Programme Coordinator Krishi Vigyan Kendra, Sirohi Post Box No.- 15 District- Sirohi Pin code- 307 001 Rajasthan, India		8849517636	<a href="mailto:pckvksirohi@yahoo.com">pckvksirohi@yahoo.com</a>

## 1.4. Year of sanction: 17 September 1989

1.5. Staff Position (as on 31<sup>st</sup> December, 2021)

Sl. 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.	Age	Email id
1.	Programme Coordinator	Dr. M S Chandawat	Senior Sci. & Head	Ext. Edu.	37400-67000		3.5.18	Permanent	Gen	8849517636		
2.	Subject Matter Specialist	Dr. RPS Jetawat	SMS	P. Path	15600-39100		20.2.18	Permanent	Gen	7737891990		
3.	Subject Matter Specialist	Ms Aabha Parashar	SMS	Agron	15600-39100		22.3.18	Permanent	Gen	8619232653		
4.	Subject Matter Specialist	Dr. Ankita Sharma	SMS	H. Sc.	15600-39100		26.3.18	Permanent	Gen	9414465592		
5.	Subject Matter Specialist	Ms. Kamini Parashar	SMS	Horti.	15600-39100		24.2.18	Permanent	Gen	9057510027		
6.	Programme Assistant	Sh. Vikas Choudhary	PA(Computer)	-	9300-34800	38900	6.10.18	Permanent	OBC	8386077364		
7.	Programme Assistant	Sh. Bhanwarlal Choudhary	PA(Lab tech.)	-	9300-34800	38900	5.10.18	Permanent	OBC	9785310792		
8.	Farm Manager	Dr. Hari Singh	Fram Manager	-	9300-34800	38900	4.10.18	Permanent	OBC	9887524626		
9.	Accountant / Superintendent			-				Permanent				

10.	Stenographer	Sh. Akash Khatri	Steno.	-	5200-20200		5.10.18	Permanent		9269548888		
11.	Driver	Sh. Gajendra Jat	Driver	-	5200-20200		4.10.18	Permanent	OBC	6375986618		
12.	Supporting staff	Sh. Chatar Singh	Class IV	-	5200-20200		28.5.16	Permanent	Others	9828965773		
13.	Supporting staff	Sh. Narayan Singh	Class IV	-	5200-20200		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 Crops	25
4.	Orchard/Agro-forestry	4
5.	Others (specify) (Uncultivated)	4.5

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative	-	-	-	-	-	-	-
2.	Building	ICAR	2005	374.4	Kept with EO	-	-	-
3.	Farmers Hostel	ICAR	1995	328.52	Kept with EO	-	-	-
4.	Staff Quarters (6)	ICAR	2007	3365	Kept with EO	-	-	-
5.	Demonstration Units (2)	ICAR	29.5.10	0.6	Kept with EO	-	-	-
		ICAR	2011	Partial	Kept with EO	-	-	-
6.	Fencing	ICAR	2008	Completed	10.0	-	-	-
7.	Rain Water harvesting system	ICAR	2008	Completed	1.00	-	-	-
8.	Threshing floor	ICAR	2009	Completed	Kept with EO	-	-	-

## B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Motor cycle Hero Honda	8.3.1999	0.37		Not Working
Jeep Bolero	24.4.2005	4.35		-
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) Equipments &amp; AV aids

Name of the equipment	Year of purchase	Cost (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
<b>Furniture</b>			
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

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

#### **Proceedings of Scientific Advisory Committee Meeting held on 07.09.2021 at KVK Sirohi**

1. Dr. Mahendra Singh Chandawat, Senior Scientist and Head, welcome all members present in the meeting. He briefed about all the action taken/work done as suggested in the report of previous SAC meeting held on 15.10.2020. 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 October, 2020 to August, 2021). He also shared the achievement of the KVK during last one year.

(Action: Sr. Sci. and Head)

3. Dr. Aabha Parashar (SMS, Agronomy) presented the work done by her during Oct. 2020 to Aug. 2021. She presented progress report of training programmes, CFLDs implementation under NFSM, seed production at KVK Farm. She also presented action plan to be executed for the remaining period of the year. Dr. Indrajeet Mathur, Ex Director of Extension Education, MPUA&T, Udaipur suggested to take hybrid seed production of Castor crop at KVK farm. He also suggested to use drip irrigation in castor crop at instructional farm and also to make farmers aware about the same.

(Action: SMS Agronomy)

4. Ms Kamini Parashar (SMS, Horticulture) presented her work. She narrated the house about the progress of nursery production, its accreditation progress along with the mandatory work carried out by her during the period. She briefed house about selling of saplings of improved hybrids and varieties of papaya (Red lady 786), and drumstick (PKM-1, ODC-3), promotion of *kharif* onion by KVK Sirohi in the district. House appreciated the work. Dr. Raj Narayan, Principle Scientist, ATARI suggested to establish demonstration unit of dragon fruit and establishment of date palm unit at KVK, Sirohi.

(Action: SMS Horticulture and Sr. Sci. & Head)

5. 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 also revealed the house about status of Napier grass unit and no. Of partner adopted the same. He also shared that success stories related to mushroom production and Kadaknath poultry birds and demonstration of Ankelshwar breed of poultry birds under TSP. House appreciated the work.

(Action: SMS Plant Protection)

8. Shri V.R. Solanki, Joint Director Agriculture, Jalore suggested to keep sharing of the Agro-advisory bulletins with Supervisors and AAOs of Department of Agriculture so that they can share it with the more no. of farmers.

(Action: Sr. Sci. & Head)

9. Chairman of the SAC meeting has emphasized on seed production programme through farmer participatory mode in the Sirohi district. He advised all scientists to plan OFTs based on location specific problems.

(Action: Sr. Sci. & Head)

10. Chairman of the SAC gave suggestions which are mentioned below:

- On request of SS&H, KVK, Sirohi regarding requirement of New office vehicle, chairman suggested to write letter in this regards to competent authority.

(Action: Sr. Sci. & Head)

- 8-10 Rayan plants should be planted at KVK instructional farm for future use for preparing grafted of sapota plants.

(Action: SMS Horticulture)

- Fodder grass's like Dhaman and Anjan grass should be demonstrated at KVK Instruction Farm

(Action: Incharge Animal Husbandary)



- KVK should collect farmers preferred fennel's locally available seed and initiate its seed production at KVK instructional farm.

(Action: SMS Agronomy)

11. Dr. I. J. Mathur, member of the SAC gave suggestions which are mentioned below

- Dr. Indrajeet Mathur, Ex Director of Extension Education, MPUA&T, Udaipur suggested to establish orchard of date palm fruit at instructional farm.
- He also suggested that Avishan sheep breed of CSWRI, Avikanagar should be included at KVK Demonstration Unit for making aware farmers about the same.
- Dr Mathur also gave suggestion regarding exploring possibilities of Kisan Bhawan(Farmer Hostel) at KVK Sirohi by making proposal before District Mineral Foundation Trust.

(Action: SMS Horticulture and Sr. Sci. & Head)

**Salient recommendations/Action points:**

- a) Efforts should be initiate to take hybrid seed production of Castor crop at KVK farm with drip irrigation
- b) To develop a Agri-forestry model in conversation with forest department.
- c) To create awareness among farmers about processing of drumstick produces.
- d) To established orchard of date palm and small unit of dragon fruits at KVK.
- e) Efforts will be initiate for castor Seed Production at KVK instructional farm.
- f) Proposal will be submitted to District Mineral Foundation Trust for exploring possibilities of financial support for farmer hostel at KVK Sirohi
- g) Agro advisory services shall be made available to Deptt. Personnels and field functionary
- h) Emphasis will be made on seed production programme through farmer participatory mode in the Sirohi district.
- i) 8-10 Rayan plants should be planted at KVK instructional farm for future use for preparing grafted of sapota plants
- j) Efforts will be done to collect farmers preferred fennel's locally available seed and initiate its seed production at KVK instructional farm.
- k) Fodder grass's like Dhaman and Anjan grass should be demonstrated at KVK Instruction Farm
- l) Efforts will be done for popularising "Avishan" sheep breed of CSWRI, Avikanagar

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

## **2. DETAILS OF DISTRICT (2020)**

### 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

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

## 2.5. Weather data

Month	Sirohi	Sheoganj	Reodar	Pindwara	Abu Road
January	0.00	0.00	0.00	0.00	0.00
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	11.00	30.40	38.00	64.20	29.00
June	44.00	71.00	94.00	96.00	56.00
July	71.00	63.00	139.00	192.00	119.00
August	7.00	5.00	44.00	19.00	98.00
September	263.00	213.00	311.50	265.00	257.50
October	0.00	0.00	6.00	8.00	23.00
November	48.00	19.00	60.00	35.00	40.00
December	6.00	6.00	4.00	5.00	9.00
<b>Total</b>	450.00	407.4	696.5	684.2	631.5

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

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	3089	-	-
<i>Indigenous</i>	191486	-	-
Buffalo	186218	-	-
<b>Sheep</b>			
<i>Crossbred</i>	-	-	-
<i>Indigenous</i>	205736	-	-
Goats	307708	-	-
Pigs	-	-	-
<i>Crossbred</i>	-	-	-
<i>Indigenous</i>	530	-	-
Rabbits	737	-	-
<b>Poultry</b>			
Hens	-	-	-
<i>Desi</i>	52209	-	-
<i>Improved</i>	-	-	-
Ducks	-	-	-
Turkey and others	-	-	-

Category	Area	Production	Productivity
Fish	-	-	-
<i>Marine</i>	-	-	-
<i>Inland</i>	-	-	-
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

## 2.7 Details of Operational area / Villages (2021)

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

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

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

## 2.8 Priority/thrust areas

Crop/Enterprise	Thrust area
Papaya, Citrus, mango, and ber in fruits, tomato and chilies 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 2020**

<b>OFT (Technology Assessment)</b>				<b>FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)</b>			
<b>1</b>				<b>2</b>			
<b>Number of OFTs</b>		<b>Total no. of Trials</b>		<b>Area in ha</b>		<b>Number of Farmers</b>	
<b>Targets</b>	<b>Achievement</b>	<b>Targets</b>	<b>Achievement</b>	<b>Targets</b>	<b>Achievement</b>	<b>Targets</b>	<b>Achievement</b>
3	3	30	30	234.5	234.5	615	615

<b>Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)</b>					<b>Extension Activities</b>			
<b>3</b>					<b>4</b>			
<b>Number of Courses</b>			<b>Number of Participants</b>		<b>Number of activities</b>		<b>Number of participants</b>	
<b>Clientele</b>	<b>Targets</b>	<b>Achievement</b>	<b>Targets</b>	<b>Achievement</b>	<b>Targets</b>	<b>Achievement</b>	<b>Targets</b>	<b>Achievement</b>
Farmers								
Rural youth								
Extn. Functionaries								

<b>Seed Production (Qtl.)</b>			<b>Planting material (Nos.)</b>		
<b>5</b>			<b>6</b>		
<b>Target</b>	<b>Achievement</b>	<b>Distributed to no. of farmers</b>	<b>Target</b>	<b>Achievement</b>	<b>Distributed to no. of farmers</b>
137.5	137.5	90	70000	86553	350

## I. A TECHNOLOGY ASSESSMENT

### Summary of technologies assessed under various crops by KVKs

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	
Integrated Crop Management	Castor	Management of plant geometry in castor crop GCH-8	10	
Integrated Disease Management	Cumin	Assessment of seed rate with optimum spacing in cumin	10	
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 KVKs

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)	-	-	-	-
<b>Total</b>			-	-



### 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

(From each state please include the full details of three OFTs on technology assessment under the broad thematic areas such as Integrated Crop Management, weed management, pest and disease management, nutrient management, resource conservation, livestock enterprises, Integrated Nutrient Management)

(The model for preparing the same is furnished below)

### INTEGRATED CROP MANAGEMENT

#### OFT-1

**Problem definition:** Management of plant geometry in castor crop cv GCH-8

**Technology Assessed:** Response of castor to varying planting distance for growth, yield components and yield

**Table:** Management of plant geometry in castor crop cv GCH-8

<b>Title</b>	Management of plant geometry in castor crop cv GCH-8
<b>Year</b>	2021-22
<b>Problem Diagnose</b>	Response of cumin to varying planting distance for growth, yield components and yield
<b>No. of Trials</b>	10
<b>Source of Technology</b>	SDAU, Dantiwara, Gujarat

Technology Option	No. of trials	Yield (qt/ha)	Increase %	Gross cost of cult. (Rs./ha.)	Gross Return (Rs./ha.)	Net Returns (Rs. in lakh./ha)	B:C ratio
T <sub>1</sub> – Farmer Practices ( crop variety GCH-8 with 90- 120 X45 cm	10	Result Awaited					
T <sub>2</sub> – GCH-8 + Planting distance 180 cm X 100 cm							

### OFT-2

**Problem definition:** Management of root-knot nematode in castor

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

**Table:** Assessment of seed rate with optimum spacing in cumin

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

Technology Option	No. of trials	Yield (qt/ha)	Increase %	Gross cost of cult. (Rs./ha.)	Gross Return (Rs./ha.)	Net Returns (Rs. in lakh./ha)	B:C ratio
T <sub>1</sub> : Carbofuran 3G @ 2 kg a.i./ha	10	Result Awaited					
T <sub>2</sub> : 2 summer deep ploughing, seed treatment with Carbosulfan 25 EC @ 2 ml/kg seed, application of neem cake @ 4 q/ha, Carbofuran 3G @ 2 kg a.i./ha							

## OFT-3

**Problem definition:** Assessment of seed rate with optimum spacing in cumin (*Cuminum cyminum L.*) crop

**Technology Assessed:** Response of cumin to varying planting distance for growth, yield components and yield

**Table:** Assessment of seed rate with optimum spacing in cumin

<b>Title</b>	Assessment of seed rate with optimum spacing in cumin ( <i>Cuminum cyminum L.</i> ) crop
<b>Year</b>	2021-22
<b>Problem Diagnose</b>	Response of cumin to varying planting distance for growth, yield components and yield
<b>No. of Trials</b>	10
<b>Source of Technology</b>	POP, SKNAU, Jobner

<b>Technology Option</b>	<b>No. of trials</b>	<b>Yield (qt/ha)</b>	<b>Increase %</b>	<b>Gross cost of cult. (Rs. /ha.)</b>	<b>Gross Return (Rs. /ha.)</b>	<b>Net Returns (Rs. in lakh. /ha)</b>	<b>B:C ratio</b>
T <sub>1</sub> – Farmer Practices (Broadcasting method of sowing with 16-18 kg of seed)	10	Result Awaited					

## II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2021-22 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	1	25	10
2.	Greengram	ICM	Seed treatment, IWM, INM, IPM	Training, CFLDs, Scientist visit& field day	1	25	10
3.	Groundnut	ICM	Seed treatment, IWM, INM, IPM	Training, CFLDs, Scientist visit& field day	1	20	10
4.	Mustard	ICM	Seed treatment, IWM, INM, IPM	Training, CFLDs, Scientist visit& field day	15	250	167.5
5.	Chickpea	ICM	Seed treatment, IWM, INM, IPM	Training, CFLDs, Scientist visit& field day	2	50	20
6.	Cumin	ICM	Seed treatment, IWM, INM, IPM	Training, CFLDs, Scientist visit& field day	1	25	5
7.	Onion	ICM	Seed (var: ADR)	Training, FLDs, Scientist visit& field day	2	10	1
8.	Chilli	ICM	Seed ( var: Arka Meghna )	Training, FLDs, Scientist visit& field day	2	10	1
9.	Wheat	ICM	Seed (DBW-187)	Training, CFLDs, Scientist visit& field day	1	25	10
10.	Nutri Garden Kit				3	100	100m2/Farm woman
11.	Nutri Garden Kit				5	100	100m2/Farm woman

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

- b. Details of FLDs implemented during 2021 (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.**)

Sl. 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 2020-21	167.5	167.5	185	65	250	-
2-	Chickpea	ICM	Seed treatment, IWM, INM, IPM	Rabi 2019-20	20	20	35	15	50	
3-	Cumin	ICM	Seed treatment, IWM, INM, IPM	Rabi 2020-21	5	5	0	10	10	
4-	Onion	ICM	Seed (var: ADR)	Kharif 2020-21	1.5	1.5	10	3	13	-
5-	Onion	ICM	Seed (var: Line 883)	Kharif 2020-21	1.5	1.5	3	10	13	
6-	Chilli	ICM	Seed (var: Arka Meghna )	Kharif 2020-21	1	1	1	9	10	-
7-	Pearl millet	ICM	Seed	Summer 2021-22	10	10	03	17	20	
8-	Sesame	ICM	Seed treatment, IWM, INM, IPM	Kharif 2021-22	10	10	12	13	25	
9-	Mustard	ICM	Seed treatment, IWM, INM, IPM	Rabi 2021-22	50	50	85	40	125	-
10-	Greengram	ICM	Seed treatment, IWM, INM, IPM	Kharif 2021-22	10	10	12	38	25	-
11-	Chickpea	ICM	Seed treatment, IWM, INM, IPM	Rabi 2021-22	10	10	08	17	25	-

12	Cumin	ICM	Seed treatment, IWM, INM, IPM	Rabi 2021-22	10	10	4	16	20	-
13	Wheat	ICM	Seed ( var. Raj-4238)	Rabi 2020-21	10	10	25	0	25	-
14	Nutri Garden Kit						100	0	100	-
15	Nutri Garden Kit						42	58	100	-

## 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					
Pearl millet	Summer -2021	RF	Sandy loam	Low	Medium	High	Beans/Cucumber//Muskmelon /Okra				
Sesame	Kharif 2021	RF	Sandy loam	Low	Medium	High	Wheat/ Chickpea/ Mustard	(03-15)-07-2021	(07-19)-10-2021	131.50	38
Mustard	Rabi 2021-22	RF	Sandy loam	Low	Medium	High	Sesame/ Greengram/ Castor/ clusterbean	(08-22)-10-2021	-	-	-
Green gram	kharif 2021	RF	Sandy loam	Low	Medium	High	Wheat/ Chickpea/ Mustard	(05-21)-07-2021	(10-25)-10-2021	159.15	33
Chickpea	Rabi 2021-22	RF	Sandy loam	Low	Medium	High	Sesame/ Greengram/ Castor/ clusterbean	(12-30)-10-2021	-	-	-
Cumin	Rabi 2021-22	RF	Sandy loam	Low	Medium	High	Sesame/ Greengram/ Castor/ clusterbean	(04-15)-11-2021	-	-	-

Onion	Kharif 2020- 21	RF	Sandy loam	Low	Mediu m	High	Wheat/ Chickpea/ Mustard	(01-15)- 07-2021			
Onion	Kharif 2020- 21	RF	Sandy loam	Low	Mediu m	High	Wheat/ Chickpea/ Mustard	(01-15)- 07-2021	(15-20)- 02-2021	-	-
Onion	Kharif 2020- 21	RF	Sandy loam	Low	Mediu m	High	Wheat/ Chickpea/ Mustard	(01-15)- 07-2021	(15-20)- 02-2021	-	
Chilli	Kharif 2020- 21	RF	Sandy loam	Low	Mediu m	High	Wheat/ Chickpea/ Mustard	(10-20)- 07-2020	(5-10)- 02-2021	-	



## 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.	Seed – RT-351 Sesame variety, White bold seeded resistant phyllody
2.	GM-6 moong variety, new released bold seeded, resistant to YMV & leaf curled
3.	Chickpea (RSG-974) bold seeded high yielding variety, moderately resistance to wilt, dry root rot.
4.	Mustard (Giriraj) high number of pods, more number of branches, high yielding variety
5.	Cumin (GC-4) high yielding variety, resistant to wilt and powdery mildew
6.	Kharif onion (AFDR) average yields 250 to 300 q/ha. , duration of crop 90 to 100 days after transplanting.

## Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Number of participants	Remarks
1.	Field days	08	225	
2.	Farmers Training	4	200	
3.	Media coverage	24	-	
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	ICM	Seed treatment, IWM, INM, IPM	TCGS-1043	20	10	33.2	25.2	28.8	24.3		35000	159590	124590	4.55	32000	117937	85937	3.68
Sesamum	ICM	Seed treatment, IWM, INM, IPM	RT-351	25	10	6.3	4.6	5.99	4.68	27.9	18600	43813	25213	2.35	17100	34226	17126	2.00
Mustard (Rabi 2020-21)	ICM	Seed treatment, IWM, INM, IPM	DRMRIJ-31	250	167	23.2	17.4	21.90	16.98	28.97	23710	94607	70897	3.99	21805	73951	52146	3.39
Mustard(Rabi 2021-22)	ICM	Seed treatment, IWM, INM, IPM	Giriraj	125	50	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	ICM	Seed treatment, IWM, INM, IPM	Virat(IPM-205-7)	50	20	Crop failed due to long dry spell													
Chickpea(Rabi 2020-21)	ICM	Seed treatment, IWM, INM, IPM	GNG-2144	50	20	22.10	16.5	19.74	15.16	30.21	26258	96233	69975	3.66	22144	73905	51761	3.34	
Chickpea(Rabi 2021-22)	ICM	Seed treatment, IWM, INM, IPM	GNG-2144	20	10	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



















**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*



<b>g) Medicinal and Aromatic Plants</b>										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl specify)										
<b>Total (g)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GT (a-g)</b>	<b>5</b>	<b>48</b>	<b>9</b>	<b>57</b>	<b>94</b>	<b>7</b>	<b>101</b>	<b>142</b>	<b>16</b>	<b>158</b>
<b>III Soil Health and Fertility Management</b>										
Soil fertility management	1	20	0	20	4	0	4	24	0	24
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
<b>Total</b>	<b>1</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>24</b>	<b>0</b>	<b>24</b>
<b>IV Livestock Production and Management</b>										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>V Home Science/Women empowerment</b>										
Household food security by kitchen gardening and nutrition gardening	3	0	72	72	0	38	38	0	110	110
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	3	39	25	64	39	0	39	78	25	103
Women empowerment	1	0	0	0	2	28	30	2	28	30
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)										
<b>Total</b>	<b>7</b>	<b>39</b>	<b>97</b>	<b>136</b>	<b>41</b>	<b>66</b>	<b>107</b>	<b>80</b>	<b>163</b>	<b>243</b>
<b>VI Agril. Engineering</b>										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>VII Plant Protection</b>										
Integrated Pest Management	2	0	0	0	8	42	50	8	42	50
Integrated Disease Management	2	0	0	0	6	39	45	6	39	45
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl specify)										
<b>Total</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>81</b>	<b>95</b>	<b>14</b>	<b>81</b>	<b>95</b>

<b>VIII Fisheries</b>										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IX Production of Inputs at site</b>										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>X Capacity Building and Group Dynamics</b>										
Leadership development	1	30	0	30	5	0	5	35	0	35
Group dynamics										
Formation and Management of SHGs	1	11	0	11	14	0	14	25	0	25
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
<b>Total</b>	<b>2</b>	<b>41</b>	<b>0</b>	<b>41</b>	<b>19</b>	<b>0</b>	<b>19</b>	<b>60</b>	<b>0</b>	<b>60</b>
<b>XI Agromet</b>										
Farmers awareness and importance of Meghdoot App and Damini App	3	3	24	27	46	14	60	49	38	87
Preparation of organic pesticides and importance and use of Meghdoot & Damini app	4	11	0	11	41	34	75	52	34	86
Integrated Farming Systems										
Others (pl specify)										
<b>Total</b>	<b>7</b>	<b>14</b>	<b>24</b>	<b>38</b>	<b>87</b>	<b>48</b>	<b>135</b>	<b>101</b>	<b>72</b>	<b>173</b>
<b>GRAND TOTAL</b>	<b>34</b>	<b>287</b>	<b>160</b>	<b>447</b>	<b>329</b>	<b>229</b>	<b>558</b>	<b>616</b>	<b>389</b>	<b>1005</b>







Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IX Production of Inputs at site</b>										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>X Capacity Building and Group Dynamics</b>										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>XI Agromet</b>										
Farmers awareness and importance of Meghdoot App and Damini App										
Preparation of organic pesticides and importance and use of Meghdoot & Damini app										
Integrated Farming Systems										
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GRAND TOTAL</b>	<b>25</b>	<b>182</b>	<b>173</b>	<b>355</b>	<b>214</b>	<b>209</b>	<b>423</b>	<b>396</b>	<b>382</b>	<b>778</b>





Composite fish culture	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IX Production of Inputs at site</b>										
Seed Production	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0
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
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>X Capacity Building and Group Dynamics</b>										
Leadership development	1	30	0	30	5	0	5	35	0	35
Group dynamics	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	1	11	0	11	14	0	14	25	0	25
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
<b>Total</b>	<b>2</b>	<b>41</b>	<b>0</b>	<b>41</b>	<b>19</b>	<b>0</b>	<b>19</b>	<b>60</b>	<b>0</b>	<b>60</b>
<b>XI Agro-forestry</b>										
Production technologies	3	3	24	27	46	14	60	49	38	87
Nursery management	4	11	0	11	41	34	75	52	34	86
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>7</b>	<b>14</b>	<b>24</b>	<b>38</b>	<b>87</b>	<b>48</b>	<b>135</b>	<b>101</b>	<b>72</b>	<b>173</b>
<b>GRAND TOTAL</b>	<b>59</b>	<b>469</b>	<b>333</b>	<b>802</b>	<b>543</b>	<b>438</b>	<b>981</b>	<b>1012</b>	<b>771</b>	<b>1783</b>

## 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										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture	1	27	3	30	0	0	0	27	3	30
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post-Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (Pl. Specify) RAWE Programme	1	24	0	24	0	0	0	24	0	24
<b>TOTAL</b>	<b>2</b>	<b>51</b>	<b>3</b>	<b>54</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>51</b>	<b>3</b>	<b>54</b>



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	24	0	24	0	0	0	24	0	24
<b>TOTAL</b>	<b>2</b>	<b>51</b>	<b>3</b>	<b>54</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>51</b>	<b>3</b>	<b>54</b>

#### 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	1	12	0	12	8	0	8	20	0	20
Mushroom Production	1	10	2	12	6	0	6	16	4	20
<b>TOTAL</b>	<b>2</b>	<b>22</b>	<b>2</b>	<b>24</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>36</b>	<b>4</b>	<b>40</b>





Women and Child care	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0	0	0
Any other (pl.specify)	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Table. Sponsored training programmes**

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>Crop production and management</b>										
Increasing production and productivity of crops	0	0	0	0	0	0	0	0	0	0
Commercial production of vegetables	0	0	0	0	0	0	0	0	0	0
<b>Production and value addition</b>										
Fruit Plants	1	23	0	23	7	0	7	30	0	30
Ornamental plants	0	0	0	0	0	0	0	0	0	0
Spices crops	0	0	0	0	0	0	0	0	0	0
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 (pl. specify)	2	52	0	52	0	0	0	52	0	52
<b>Total</b>	<b>3</b>	<b>75</b>	<b>0</b>	<b>75</b>	<b>7</b>	<b>0</b>	<b>7</b>	<b>82</b>	<b>0</b>	<b>82</b>
<b>Post-harvest technology and value addition</b>										
Processing and value addition				0			0	0	0	0
Others (pl. specify)				0			0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Farm machinery</b>										
Farm machinery, tools and implements				0			0	0	0	0
Others (pl. specify)				0			0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Livestock and fisheries</b>										
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 (pl. specify)	1	0	0	0	0	30	30	0	30	30
<b>Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>30</b>
<b>Home Science</b>										
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
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Agricultural Extension</b>										
Capacity Building and Group Dynamics	0	0	0	0	0	0	0	0	0	0
Others (pl. specify)	4	75	73	148	0		0	75	73	148
<b>Total</b>	<b>4</b>	<b>75</b>	<b>73</b>	<b>148</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75</b>	<b>73</b>	<b>148</b>
<b>GRAND TOTAL</b>	<b>8</b>	<b>150</b>	<b>73</b>	<b>223</b>	<b>7</b>	<b>30</b>	<b>37</b>	<b>157</b>	<b>103</b>	<b>260</b>

### Details of vocational training programmes carried out by KVKs 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
<b>Crop production and management</b>										
Commercial floriculture										
Commercial fruit production										
Commercial vegetable production										
Integrated crop management										
Organic farming										
Others (pl. specify)										
<b>Total</b>										
<b>Post-harvest technology and value addition</b>										
Value addition										
Others (pl. specify)										
<b>Total</b>										
<b>Livestock and fisheries</b>										
Dairy farming										
Composite fish culture										
Sheep and goat rearing										
Piggery										
Poultry farming										
Others (pl. specify)	1	10	4	14	0	6	6	10	10	20
<b>Total</b>	1	10	4	14	0	6	6	10	10	20
<b>Income generation activities</b>										
Vermicomposting										
Production of bio-agents, bio-pesticides, Bio-fertilizers etc.										
Repair and maintenance of farm machinery and implements										
Rural Crafts										
Seed production										
Sericulture										
Mushroom cultivation										
Nursery, grafting etc.	1	17	0	17	2	1	3	19	1	20
Tailoring, stitching, embroidery, dyeing etc.										
Agril. para-workers, para-vet training										
Others (pl. specify)										
<b>Total</b>	1	17	0	17	2	1	3	19	1	20
<b>Agricultural Extension</b>										
Capacity building and group dynamics	3	65	3	68	31	1	32	96	4	100
Others (pl. specify)	1	19		19			0	19	0	19
<b>Total</b>	4	84	3	87	31	1	32	115	4	119
<b>Grand Total</b>	<b>6</b>	<b>111</b>	<b>7</b>	<b>118</b>	<b>33</b>	<b>8</b>	<b>41</b>	<b>144</b>	<b>15</b>	<b>159</b>

#### IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	1162	4226450	20	4226470
Diagnostic visits	25	778	30	808
Field Day	8	300	5	305
Group discussions	3	340	15	355
Kisan Ghosthi	4	180	6	186
Film Show	10	430	15	445
Self -help groups				
Kisan Mela	1	170	10	180
Exhibition	1	150	20	170
Scientists' visit to farmers field	25	300	10	310
Plant/animal health camps				
Farm Science Club				
Ex-trainees Sammelan				
Farmers' seminar/workshop				
Method Demonstrations	5	1698	10	1708
Celebration of Important days	5	280	13	293
Special day celebration	10	350	11	361
Exposure visits	6	142	10	152
Others (pl. specify)				
<b>Total</b>	<b>1265</b>	<b>4231568</b>	<b>175</b>	<b>4231743</b>

#### Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	
Extension Literature	1
News paper coverage	35
Popular articles	2
Radio Talks	8
TV Talks	
Animal health Camps (Number of animals treated)	
Others (pl. specify) (PMKSNY)	2
<b>Total</b>	<b>448</b>

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprise	
Sirohi	Text only	240	93	564	0	13	252	1162
	Voice only							
	Voice & Text both							
	<b>Total Messages</b>							
	<b>Total farmers Benefitted</b>							<b>42,26,450</b>

## 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
	Gosthies			
	Lectures organized			
	Exhibition			
	Film show			
	Fair			
	Farm Visit			
	Diagnostic Practical			
	Distribution of Literature (No.)			
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Bio Fertilizers (q)			
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			

## 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	Pearl millet	MPMH-17		2.34		
Oilseeds	Mustard	RH-0406		43.88		
	Taramera	RTM-1355		2.63		
	Castor	GCH-7 (Male Line)		32.58		
	Sesame	RT-351		3.22		
Pulses	Gram	GNG-2144		10.87		
	Greengram	IPM-410-3		9.9		
	Clusterbean	PRGC-1038		3.37		
	Black Gram	80 PU-1		1.12		
Commercial crops						
Vegetables						
Flower crops						
Spices	Cumin	GC-4		27.64		
Fodder crop seeds						
Fiber crops						
Forest Species						
Others						
<b>Total</b>				<b>137.55</b>		

## 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						
Fruits	Papaya	Red Lady 786		76964	1539280	
	Lime	Barahmasi		261	6525	
Ornamental plants						
Medicinal and Aromatic	Drumstick	ODC-3/PKM-1		9328	139920	
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others						
<b>Total</b>				<b>86,553</b>	<b>16,85,725</b>	

**Production of Bio-Products**

<b>Bio Products</b>	<b>Name of the bio-product</b>	<b>Quantity</b>	<b>Value (Rs.)</b>	<b>No. of Farmers</b>
		<b>Kg</b>		
Bio Fertilizers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others	Vermicompost	25	250	
	Azolla	89.1	8910	
Food Products	Anolla Jam and Nimbu ka sarbat		3850	
<b>Total</b>			<b>13010</b>	

**Table: Production of livestock materials**

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

## 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	285	285		57000	
Water	129	129		2580	
Plant					
Others (pl.specify)					
<b>Total</b>	<b>414</b>	<b>414</b>		<b>59580</b>	

## VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Date of SAC Meeting	Participants
Sirohi	07-09-2021	42

## IX. NEWSLETTER/MAGAZINE

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

## X. PUBLICATIONS

Category	Number
Research Paper	3
Technical bulletins	
Technical reports	20
Others (pl. specify) (Folder, Book chapter, Radio Talk, Manual, Booklets etc.)	10

## 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 <sup>st</sup> April	Income during the year	Expenditure during the year	Net balance in hand as on 1 <sup>st</sup> April of each year
2019-20	15,85,130	9,86,459	11,05,951	14,47,638
January 2020 to December 2020	14,47,638	11,62,257	12,62,264	13,47,631
January 2021 to December 2021	13,47,631	15,26,986	17,44,653	11,29,964



## 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
<b>Total</b>			

### Major area coverage under alternate crops/varieties

Crops	Area (ha)	Number of beneficiaries
Oilseeds		
Pulses		
Cereals		
Vegetable crops		
Tuber crops		
<b>Total</b>		

### Farmers-scientists interaction on livestock management

Livestock components	Number of interactions	No. of participants
<b>Total</b>		

### Animal health camps organized

Number of camps	No. of animals	No. of farmers
<b>Total</b>		

### Seed distribution in drought hit states

Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
<b>Total</b>			

### Large scale adoption of resource conservation technologies

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

## 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
<b>Total</b>												

**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>Agriculture University, Jodhpur</b>	Dairy Farming and Value added milk	1	30	6
	Export Oriented Pomegranate Production Technology	1	30	2
	Honey bee keeping Training	3	126	1

**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
Mushroom (ASCI)	1	20	KVK, Sirohi
Nursery Worker (ASCI)	1	20	KVK, Sirohi
<b>Total</b>	<b>6</b>	<b>140</b>	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*

## **Giriraj variety of Mustard enhance productivity and stability KVK-Sirohi, Rajasthan**

### **Situation analysis / Problem statement**

Mustard a Rabi oilseed crop is an important crop with a broad cultivation base in the Sirohi district. The mustard's area coverage of the Sirohi District is approximately 15000 ha. Nimbora a crop raising village in Sirohi district has a present practice of cultivating mustard by either seed of old varieties or expensive seed from private companies. The above constraints have resulted in low yield in Nimbora village. Moreover, farmers have to face aphid attacks, disease incidence, which further aggravates due to non-usage of proper seed treatment with chemicals and biofertilizer varieties. Farmers are not aware of the importance of sulphur for oilseed crops due to a lack of knowledge. Observing the above-highlighted constraints of Nimbora farmers about mustard crop cultivation, a team of KVK scientists decided to demonstrate an improved variety of mustard crop variety i.e. Giriraj with necessary critical inputs like for seed treatment through Bavistin and Azotobacter Biofertilizer, Soil application of elemental sulphur for enhanced oil percent, aphid management through Acetamiprid insecticide in Nimbora village for measuring the performance in such condition.

### **Plan, Implementation and Support**

Under NFSM, KVK Sirohi received allocation of Cluster FLD on mustard for 125 demonstration covering 50 ha area. KVK decided to demonstrate above CFLD on mustard crop in 5 villages. Farmers of Nimbora village of Sirohi district came in the contact with KVK, Scientist, Mr. Bhanaram and his group of farmers frequently visited at KVK, Farm. Looking about farming situation, constraints complex, farmers interest and scope of improvement in mustard crop production per unit area, preference was decided in selecting villages for CFLD implementations. Out of 125 demonstrations, 40 demonstrations in 16 ha area were decided to conduct in Nimbora village. After long discussion during PRA studies and interest of farmers, their dynamics to Agriculture in the year 2018-19, KVK, Sirohi, AU, Jodhpur had provided Mustard foundation seed of improved variety Giriraj, Seed treatment inputs chemical systemic fungicide for control seed borne disease, biofertilizer Azotobacter, elemental sulphur for enhance oil content and Acetamiprid for management of sucking pest. All the farmers were well trained before giving the critical inputs for FLDs under this programme. KVK Scientists also closely associated about the farming situation and frequently visited in village and overall effect was seen during the field day organized at village level. During field day, storage training of mustard seed also gave to the farmers, because foundation seed demonstrated at farmers field so they can use as certified seed for next *Rabi* season i.e. 2020-21.

Large no. farmers of Nimbora village and proximity area were visited FLD sites during the standing crop period and participated in field day, farmer meeting at FLD field site and were impressed with the performance of this improved variety characteristics like a high number of branches, a high number of pods per plant, higher number of seed per pod, bold seeds, other packages, and storage techniques.

### **Output**

The performance of Giriraj variety along with all other component was found quite satisfactory over local check. On an average yield of improved varieties is 32 percent higher as compare to the local. This variety is newly released bold seeded having long siliqua, average yield 22-27 qtl per hectare, high oil content (39-43 percent) according to demand and future, Scientist advised to villagers to keep the seed of this variety to provide seed to the local farmers.

### **Outcome**

After seeing the performance of this variety, many farmers of Nimbora village and from neighbouring villages sought the seed demand for FLD farmers for next coming season as seed (for the Rabi

2021-22). Looking to this, farmers stored seed of variety for seedling as seed for next season and provided it to the needy farmers as seed input.

**Table: A Performance of technology vis-a vis Local check (increase in productivity and Returns)**

Specific technology	Yield (q/ha)	Cost of cultivation (Rs/ha)	Gross returns (Rs/ha)	Net returns (Rs/ha)	B:C ratio
➤ Farmers practices	17.0	20705	75225	54520	3.64
➤ Demonstration	22.40	22120	99120	77000	4.48
➤ Difference between practices	5.40	1415	23895	22480	0.84
➤ Percent (%) Increase	31.76	6.83	31.76	41.23	23.07

### Impact

- Earlier the farmers around the Nimbora village of Sirohi were forced to leave cultivation of Mustardcrop due to poor yield because of unavailability of high yielding improved variety.
- Due to the introduction of Giriraj variety through front line demonstration, farmers are again attracting towards mustard crop cultivating due to the performance of Giriraj variety and also sold seed to other farmers. Farmers of the region are now capable of producing sufficient mustard grains for domestic consumption also.
- Introduction of the variety with other recommended cultivation practices increased net profit 41percent over farmer's practices with better cost benefit ratio.
- Great opportunity of horizontal spreads of the variety in coming year follow up is ensured by KVK-Sirohi for technical backstopping for the same also continues.

### IMPACT

Impact of KVK activities (Not to be restricted for reporting period)

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income	
			Before (Rs./unit)	After (Rs./Unit)
Wheat production technology Var. Raj-4238	20	88.88	28430	41010
Chickpea production technology Var. GNG-1581	100	89.90	51500	70808
Greengram production technology Var.GAM-5	50	81.00	19909	28768
Sesame production technology Var. RT-351	75	79.90	13851	24103
Mustard production technology Var. NRCHB-101	75	75.00	47091	63058
Castor production technology Var. GCH-7 and GCH-8	75	85.89	123820	172840

### Special programme

- **FLD:** FLD is a unique approach to provide a direct interface between research and farmers as the scientist are directly involved in planning and execution and monitoring of the demonstration for the technologies developed by them and get direct feedback from the farmers 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- Giriraj. The weighted yield of mustard was 24.2 q/ha. Obtained under demo which was 28.97 percent higher over local check due to its bold seeds and higher yield potential farmers satisfied with this variety. Hence In 2020-21, 250 demonstrations were conducted at different villages.
  - **Chickpea:** demonstration on chickpea under NFSM pulses were conducted at 50 farmer's field on an area of 20 hectare. The highest yield of 23.0 q/ha. Was recorded under ICM compare to local check. In 2020-21, 50 demonstrations by introducing of new variety GNG-2144 were conducted in different villages.
  - **Green gram:** Demonstrations were undertaken by KVK Sirohi covering an area of 20 hectare by introducing new variety- GM-6.
  - **Sesame:** CFLD on sesame conducted an area of 30 hectare at 75 farmers field. The yield of demo was 28.62 percent higher over local check.
- **Orchard:** - On the training center of the center, 300 plants in 0.5 hectare area, lime variety and paper varieties, varieties of Sitaphal, Balanagar, Arkasahan, Anona 2 189 plants of NMK in 0.4 hectare area, Lemon in 2 hectare area The latest improved varieties developed by the National Lemon Research Institute, Nagpur are NRC 7 and N. New garden of 480 plants of RCC8 has been prepared. And the production capacity per plant of these varieties is 1.5 to 2 quintals. In the year 2020, 108 plants of guava variety Allahabad Safeda, Barhakhan, 0.4 hectare, 30 varieties of Chiku variety black leaf, mango varieties evergreen, Dushari, 50 plants of saffron and plum varieties of apple plum, gola, apple New gardens of 75 plants have been prepared.
- **KVK Android App :** - Farmers were facing many problems related to agriculture and they were not able to visit KVK, Sirohi to get a solution for their problems regarding agriculture due to Corona Pandemic or lockdown. So to overcome these problems of farmers during this lockdown or for future perspective Mr. Vikas Choudhary, Program Assistant (Computer), developed a “**KVK Sirohi**” adnroid app, for farmers and scientists. So that the farmer can get a perfect solution for his agriculture related problems by concerning with the expert of the. This application also describes about activities being done by KVK. Android app has information about KVK center and facilities provided by KVK, app also has contact details of employees of KVK Sirohi. It also give information about product rate of KVK like nursery plant, azola, vermi-compost, eggs and many more.

➤ **Swachhata Pakhwada report 2021:** Swachhata Pakhwada a Jan Andolan for Swachhta, was organized 2021. 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 institute 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. The farmers also took part in cleaning the premises of 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. we visited the village Paldi-M and Vera vilpur villages and shared our knowledge about Swachhata, compost preparation, minimizing the use of plastics, poultry husbandry etc.

We went to different residential colonies of our institute and sensitized the residents for disposing off the bio-degradable and bio- nondegradable wastes separately. We have organized Kisan Diwas on 23<sup>rd</sup> December, 2021 where 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. We have given a note on the activities conducted which is to be published in the daily news papers.

- **TSP:** TSP activity started at KVK Sirohi in the year 2017-18. In this activity of ICAR we have significantly worked towards the upliftment of livelihood of tribal farmers through increasing their farm income. Ankleshwar breed demonstration to 35 farmers 20 chicks (42 days old) to each farmer. Farmers found it a stable source of income. Farmers get income not only through selling eggs but by through selling chicks also. Cage houses were provided with help of CMF and ICICI foundation to 35 farmers. These cage house helps in protecting the birds from the wild animals, dogs etc. Storage bin demonstrated to 70 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 demonstration to 50 farmers which benefitted in terms of labor requirement which was high in case of manual sprayer. FLDs were given on Maize, wheat and nutria-garden which was proved most effective to make farmers aware of using efficient agricultural technologies. Total 4 off campus and 4 on campus trainings were organized which benefitted total 287 farmers. Farmers earned 1875 rupees per month through poultry and 20 thousand per season through inclusion of nutria-garden in their traditional farm practices. Total 222 farmers were directly benefitted and 973 farmers were indirectly benefitted through kisan goshti, kisan mela etc.
- **Mati Project:** - Mati Project was launched to double the income of farmers and to provide employment to the youth in the village itself. Four villages (Bhev, Nadia, Nimboda and Rukhara) have been started under the project. In the MATI project, work will be done for the upliftment of farmers in coordination with agriculture, horticulture, animal husbandry, cooperatives, and financial institutions such as backers, NABARD, Central Comparative Banks and Forest Department.

**NARI- Nutri Sensitive Agricultural Resource 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 which not only needs to ensure food security but also concentrate on nutrition security. These activities not only need to provide nutrition security to farm woman and their families but also helpful to maintain their nutritional status. It will further contribute to combat malnutrition. Following activities were conducted under NARI Scheme.

Activities and Achievements:-1:-Nutrition awareness camps were organized to aware the general mass regarding food and its nutritional aspect.

- **Rashtriy Poshan Maah 2021 (1 - 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, Anganwadi worker) about vital nutrition behaviours.

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 this year will broadly focus 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 Anganwadi Centre (AWC) and service deliveries of Anganwadi 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.

- **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.

#### Following activities done for selected villages:

- To double the income of the farmers, Rukhara and Thandiberi villages have been selected and 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 CFLDs (Mustard-Giriraj to 30 farmers),FLDs (Kharif Onion and Chilli to 20 farmers)and Nutri garden kit (50 farm women) under Nari Project and Tribal Sub-Plan and demonstration of 10 battery operated sprays to 10 farmers on improved technologies regularly to aware and update the practicing farmers, farm women and youths.
- Conducted 6 on campus and off campus training programme and benefiting 190 farmers and farm womens.
- Following Interventions undertaken under DFI programme:

S.No.	Name of intervention	No. of farmers targeted	Income enhancement (Rs./ year/ farmer)
1.	Backyard poultry	50	21800
2.	Kitchen garden	40	10500
3.	Seed production of (Mustard variety: Giriraj	30	22000

- Tested of soil (50) and water(15) and manage the soil fertility according to soil health card
- 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
- Implemented of Pradhan Mantri Krishi Sinchayee Yojana, Paramparagat Krishi Vikas Yojana, Fasal Bima Yojna, PKSNY and National Agriculture Market (e-NAM) schemes.
- Links 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 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 visit 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 Advice:** - 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.

- **Agricultural Skill Development Scheme-** Under Agricultural Skill Development Scheme, two training courses have been organized at Krishi Vigyan Kendra, Sirohi, for nursery training and mushroom growing. The course was for the candidates to stay and eat from the center and one course was for 20 candidates. Under the Skill Development Scheme, rural youth were provided with technical information under nursery and mushroom growers. And rural youth were provided self-employment in the field of agriculture. Also, overall development of agriculture was done in rural areas.

## Success Stories

	<b>Effect of DFI intervention</b>	<b>Name of KVK: Sirohi</b>
	<b>Name of farmer:</b>	<b>Narayan Mali</b>
	<b>Address:</b>	<b>V/P- Karoti ; Dist- Sirohi</b>
	<b>Mobile Number:</b>	<b>9413288759</b>
	<b>Age:</b>	<b>45</b>
	<b>Education:</b>	<b>9th</b>
	<b>Size of land holding (in acre):</b>	<b>40</b>

**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	9	95	334687	262687
Field crop 2	Groundnut	12	96	326400	218200
Field crop 3	Wheat	8	90	145000	87800
Field crop 4	Mustard	12	96	336000	253000
<b>Total</b>			<b>377</b>	<b>1142087</b>	<b>821687</b>


**2) Status in 2020**

Component Description		Period 2020-21				% 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	8	103	422300	344300	20	47
Field Crop 2	Groundnut	12	125	500000	365000	30	65
Hort. Crop 1	Fennel	2	6	72000	56000		
Hort. Crop 2	tomato	1.5	190	95000	72000		
Hort. Crop 3	Papaya	4	920	985000	785000		
Livestock 1	Cow	10	9000	225000	108000		
<b>Total</b>				<b>2299300</b>	<b>1730300</b>		<b>110</b>

**Brief:** The farmer used to get annual income of Rs. 821687/- 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 Rs 1730300/-.



**Scientific cultivation of Tomato**

	<b>Effect of DFI intervention</b>	<b>Name of KVK: Sirohi</b>
	<b>Name of farmer:</b>	<b>Durgesh Mali</b>
	<b>Address:</b>	<b>V/P- Sindrath ; Teh- Sirohi; Dist- Sirohi</b>
	<b>Mobile Number:</b>	<b>8619687532</b>
	<b>Age:</b>	<b>43</b>
	<b>Education:</b>	<b>10th</b>
	<b>Size of land holding (in acre):</b>	<b>45</b>

**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.)
<b>Field Crop 1</b>	Wheat	15	289	463448	303104
<b>Field Crop 2</b>	Mustard		60	192000	140000
<b>Field Crop 3</b>	Sesame	4	8	64000	48000
<b>Total</b>			<b>357</b>	<b>719448</b>	<b>491104</b>

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/ Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
<b>Field Crop 1</b>	Wheat	29	630	1260000	912000	12	55
<b>Field Crop 2</b>	Sesame	6	15	150000	131000	25	73
<b>Hort. Crop 1</b>	Watermelon	1.5	1200	180000	80000		
<b>Hort. Crop 2</b>	Lemon	1	30	150000	110000		
<b>Total</b>			<b>1875</b>	<b>1740000</b>	<b>1233000</b>		<b>151</b>

**Brief:** The farmer used to get annual income of Rs. 491104/- from field crops etc. He faced problems like lack of awareness etc. With DFI interventions like HYV, CFLD, Trainings ,demonstration etc., he is getting annual income of Rs 1233000/-.

**Lemon Orchard**

	<b>Effect of DFI intervention</b>	<b>Name of KVK: Sirohi</b>
	<b>Name of farmer:</b>	<b>Jaya Kumari</b>
	<b>Address:</b>	<b>Sindrath</b>
	<b>Mobile Number:</b>	<b>7878694855</b>
	<b>Age:</b>	<b>40</b>
	<b>Education:</b>	<b>B. A.</b>
	<b>Size of land holding (in acre):</b>	<b>22</b>

**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.)
<b>Field Crop 1</b>	Wheat	8	83	132800	78000
<b>Field Crop 2</b>	Mustard	6	31	117000	89000
<b>Field Crop 3</b>	Castor	2	20	79000	58750
<b>Livestock 2</b>	Cow	2	1800	53500	39000
<b>Total</b>				<b>382300</b>	<b>264750</b>

**2) Status in 2020**

Component Description		Period 2020-21				% increase over base year	
Components	Names	Area (Acre)/ Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
<b>Field Crop 1</b>	Wheat	2	25	47000	28000	20	43
<b>Field Crop 2</b>	Mustard	6	45	190000	145000	21	62
<b>Field Crop 3</b>	Til	5	8	90000	68000		
<b>Hort. Crop 1</b>	Lemon	2	60	300000	220000		
<b>Livestock 1</b>	Buffalo	5	6000	228000	150000		
<b>Livestock 2</b>	Cow	3	3000	105000	78500	25	34
<b>Total</b>				<b>960000</b>	<b>689500</b>		<b>160</b>

**Brief:** The farmer used to get annual income of Rs. 264750/- from old variety, traditional farming etc. She faced problems like lack of awareness, etc. With DFI interventions like HYV, etc., She is getting annual income of Rs 689500/-.

**Sesame Cultivation****Lemon Production**