

## PROFORMA FOR PREPARATION OF ANNUAL REPORT (January-2019-December-2019)

### APR SUMMARY

(Note: While preparing summary, please don't add or delete any row or columns)

#### 1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	44	850	383	1,233
Rural youths	3	44	5	49
Extension functionaries	3	20	56	76
Sponsored Training	25	730	294	1024
Vocational Training	0	0	0	0
<b>Total</b>	<b>75</b>	<b>1,644</b>	<b>738</b>	<b>2,382</b>

#### 2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	300	120	-
Pulses	125	50	-
Cereals	45	20	-
Vegetables	20	3	-
Other crops	20	10	-
Hybrid crops	-	-	-
<b>Total</b>	<b>510</b>	<b>203</b>	<b>-</b>
Livestock & Fisheries	-	-	-
Other enterprises	-	-	-
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Grand Total</b>	<b>510</b>	<b>203</b>	<b>-</b>

#### 3. Technology Assessment

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
<b>Technology Assessed</b>			
Crops	4	4	36
Livestock	0	0	0
Various enterprises	0	0	0
<b>Total</b>	<b>4</b>	<b>4</b>	<b>36</b>

#### 4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	223	6,525
Other extension activities	-	-
<b>Total</b>	<b>223</b>	<b>6,525</b>

#### 5. Mobile Advisory Services

Name of KVK	Message Type	Type of Messages						Total
		Crop	Livestock	Weather	Marketing	Aware-	Other enterpri	

						ness	se	
	Text only	22	0	50	0	0	0	72
	Voice only	0	0	0	0	0	0	0
	Voice & Text both	0	0	0	0	0	0	0
	<b>Total Messages</b>	<b>22</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>72</b>
	<b>Total farmers Benefitted</b>	<b>22</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>72</b>

#### 6. Seed & Planting Material Production

	Quintal/Number	Value Rs.
Seed (q)	20.55	1,68,000
Planting material (No.)	92,562	9,12,838
Bio-Products (kg)	-	-
Livestock Production (No.)	25	1,18,600
Fishery production (No.)	-	-

#### 7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	84	16,800
Water	-	-
Plant	-	-
<b>Total</b>	<b>84</b>	<b>16,800</b>

#### 8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	9
2	Conferences	5
3	Meetings	22
4	Trainings for KVK officials	2
5	Visits of KVK officials	72
6	Book published	0
7	Training Manual	3
8	Book chapters	0
9	Research papers	4
10	Lead papers	0
11	Seminar papers	3
12	Extension folder	6
13	Proceedings	2
14	Award & recognition	4
15	On-going research projects	5

## DETAIL REPORT OF APR-2019

### 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 & 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, 2019)

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	47800	3.5.18	Permanent	Gen	8849517636		
2.	Subject Matter Specialist	Ms Suman Sharma	SMS	Ext. Edu	15600-39100	22180	21.2.18	Permanent	Gen	7615824629		
3.	Subject Matter Specialist	Dr. RPS Jetawat	SMS	P. Path	15600-39100	22180	20.2.18	Permanent	Gen	7737891990		
4.	Subject Matter Specialist	Ms. Kamini Parashar	SMS	Horti.	15600-39100	22180	24.2.18	Permanent	Gen	9057510027		
5.	Subject Matter Specialist	Ms Aabha Parashar	SMS	Agron	15600-39100	22180	22.3.18	Permanent	Gen	8619232653		
6.	Subject Matter Specialist	Dr. Ankita Sharma	SMS	H. Sc.	15600-39100	22180	26.3.18	Permanent	Gen	9414465592		
7.	Section officer	Ratan Singh Shaktawat	Field Investigator	-	Fixed-6000	6000	15.11.01	Permanent	Others	8619489626		

8.	Programme Assistant	Sh. Bhanwarlal Choudhary	PA(Lab tech.)		9300-34800	26500	5.10.18	Permanent	OBC	9785310792		
9.	Computer Programmer	Sh. Vikas Choudhary	PA(Computer)		9300-34800	26500	6.10.18	Permanent	OBC	8209299231		
10.	Farm Manager	Dr. Hari Singh	Fram Manager		9300-34800	26500	4.10.18	Permanent	OBC	9887524626		
11.	Accountant / Superintendent							Permanent				
12.	Stenographer	Sh. Akash Khatri	Steno.		5200-20200	14600	5.10.18	Permanent		9269548888		
13.	Driver	Sh. Gajendra Jat	Driver		5200-20200	13500	4.10.18	Permanent	OBC	6375986618		
14.	Driver	Sh. Dileep Singh	Driver		5200-20200	13500	5.10.18	Permanent	SC	9001262700		
15.	Supporting staff	Sh. Chatar Singh	Class IV	-	5200-20200	10520	28.5.16	Permanent	Others	9828965773		
16.	Supporting staff	Sh. Narayan Singh	Class IV	-	5200-20200	7550	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	0.6
3.	Under Crops	12.0
4.	Orchard/Agro-forestry	2.0
5.	Others (specify)	15.9

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	-	-	-
	Demonstration Units (2)	ICAR	29.5.10	0.6	Kept with EO	-	-	-
5		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	18655	Not Working
Jeep Bolero	24.4.2005	4.35	3,85,111	Working
Tractor	31.03.1995	2.22	3,500	Working
Motorcycle Hero Honda Passion Pro	26.3.2011	0.48700	28385	Working

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Photostat machine	31.03.04	0.57	Working
Camera	16.03.91	0.03	Not 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
Stitching machine	22.7.05	0.04	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

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	27.9.2019	Dr Ishwar Singh, Director Extension Education, AU, Jodhpur	<ol style="list-style-type: none"> <li>1. Establish a demonstration unit of organic farming in half hect. at KVK.</li> <li>2. Numbers of on campus and off campus trainings should be increase in action plan.</li> <li>3. To establish betel leave trail at KVK Nursery.</li> <li>4. Promote GCH-8 instead of GCH-7 variety of castor in front line demonstrations.</li> <li>5. Mention chemical doses instead of commercial doses of insecticides and weedicides in the reports.</li> <li>6. OFT/Project findings should be proposed for inclusion in package of practices.</li> <li>7. Successful cases of nursery workers and goat rearing should be included in the progress report of KVK.</li> </ol>	
2.		Dr S.D Ratnu, Dean,	8. KVK should provide improved	



		COA, Sumerpur, AU, Jodhpur.	variety seeds and planting materials to the visiting farmers.	
		Mr V.R Solanki, Joint Director Horticulture, Jalore	<p>9. The seedling of Merry gold variety PUSA NARANGI to the farmers.</p> <p>10. District area of production and productivity of fennel should be mentioned in presentations/reports</p> <p>11. Mention name of the variety in control plot of CFLD/FLD.</p> <p>12. Banned insecticides and pesticides content should be included in the plant protection discipline trainings.</p> <p>13. Provide agriculture literature as a booklet, folders to students of the nearby agriculture schools.</p>	
		Dr Raju Lal Bharadwaj	<p>14. Small and marginal farmers should be involved in trainings, demonstrations of the horticultural crops.</p> <p>15. Promote citrus plantation among the small and marginal farmers.</p>	
		Mr. J.C Meghvanshi, ATC, Sumerpur	<p>16. Popularize battery operated sprayer to protect the crop from insects, pests and weeds.</p> <p>17. Ganganagar/pushkar variety of the Rose should be prepared at KVK and make available to the farmers.</p>	
		Dr Avesh Khan, Vet. Officer, AHD	18. Existing unit of goat at KVK should be vaccinated twice in a year	
		Dr Ravindra Kumar, TA, VUTRC, Sirohi	19. Scientific and technical support from VUTRC scientist in goat and poultry farming trainings.	
		Mr Jitendra Meena, NABARD	<p>20. In the professional trainings the branch managers of respective bank should be involve.</p> <p>21. KVK scientist should provide technical guidance to already running FPO made by NABARD/NGO.</p>	
		Mr Aneef Khan, Pradhan, NGO	22. To provide technical support to voluntary organisation working in the field of pomological, floriculture and olericulture in the district.	
		Shri Chandramani CMF, Tata trust, NGO	23. KVK promote organic farming practices in the district.	
		Shri Arjun Singh Bhati, Jila Udyog Kendra.	24. KVK scientist should prepare short videos/film of successful	

			cases.	
		Sh Ganesh Ram, Progressive Farmer	25. To promote organic farming among the farmers.	

**Note : This yellow mark may be treated as an example**

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

## **2. DETAILS OF DISTRICT (2019)**

### 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	315934
2.	Loamy sand to clay, loam lethosols	Low in N, medium in P and medium to high in K, low WHC, water erosion of soil is common	202013

### 2.4 Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (MT)	Productivity (Kg /ha)
1.	Castor	42,385	61,365	1,448
2.	Maize	20,605	35,466	1,721
3.	Sesame	17,708	4,129	233
4.	Groundnut	13,590	23,130	1,702
5.	Cluster bean	12,892	7,232	560
6.	Bajra	6,609	4,389	664
7.	Green gram	6,419	1,964	306
8.	Sorghum	4,214	2,638	626
9.	Cotton	3,673	7,169	1,952
10.	Pigeon pea (Tuar)	66	33	500

11.	Wheat	29,066	87,890	3,023
12.	Mustard	10,953	11,987	1,094
13.	Cumin	6,335	3,168	500
14.	Isabgol	1,250	1,115	892
15.	Chickpea	708	627	886
16.	Barley	724	2,606	3,599
17.	Green fodder	1,550	3,110	2,006
18.	Vegetables	4,293	46,292	10,783

## 2.5. Weather data

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)
		Maximum	Minimum	
2019	741 mm			

## 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>			
Crossbred	-	-	-
<i>Indigenous</i>	205736	-	-
Goats	307708	-	-
Pigs	-	-	-
<i>Crossbred</i>	-	-	-
<i>Indigenous</i>	530	-	-
Rabbits	-	-	-
<b>Poultry</b>			
Hens	-	-	-
<i>Desi</i>	5236	-	-
<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 (2019)

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	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chilli, Bottle guard, Citrus, Fennel, papaya, Clusterbean, Lemon, Castor	➤ -do-	-do-
		Kacholi	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chilli, Bottle guard, Citrus, Fennel, papaya, Castor	➤ -do-	-do-
		Pancdeval	Wheat, Cotton, Sesame, Mustard, Green gram, Maize, Okra, Chilli, 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-

## 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

\* An example for guidance only

### **3. TECHNICAL ACHIEVEMENTS**

#### **3.A. Details of target and achievements of mandatory activities by KVK during 2019**

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
4	4	36	36	200	203	495	510

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	44	44	900	1,233	200	223	3,695	6,525
Rural youth	2	2	40	40	-	-	-	-
Extn. Functionaries	3	3	76	76	-	-	-	-

Seed Production (Qtl.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
20.00	20.55	500	45,000	92,562	247

#### **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	Papaya	Evaluation of suitable variety of Papaya at Sirohi district	6	6
	-	-	-	-
Integrated Pest Management	-	-	-	-
	-	-	-	-
Integrated Crop Management	Castor	Varietal assessment of castor	10	10
	-	-	-	-
Integrated Disease Management	Castor	Effect of propiconazole and Trichoderma management of Alternaria leaf spot of castor	10	10
	Tomato	Effect of hexaconazole for the management of early blight of tomato	10	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)	-	-	-	-
	-	-	-	-
<b>Total</b>			<b>36</b>	<b>36</b>

#### 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
	-	-	-	-
-	-	-	-	-
	-	-	-	-
-	-	-	-	-

	-	-	-	-
-	-	-	-	-
-	-	-	-	-
	-	-	-	-
-	-	-	-	-
-	-	-	-	-
	-	-	-	-
-	-	-	-	-

**Note:** Suppose **IPM in paddy** is the technology assessed by 50 KVKs in the Zone with 5 trials by each KVK, then IPM in paddy needs to be considered as a single technology, with  $50 \times 5 = 250$  trials and No. of KVKs will be 50. In addition, please note that even if IPM in paddy is done with various combinations of Technology Options (treatments), it may be considered as a single technology only.

## 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

**Problem definition: For increase productivity of Varietal assessment of castor**

**Technology Assessed: Varietal assessment of castor**

**Table: Varietal assessment of castor**

Technology Option	No. of trials	Yield (t/ha)	Increase %	Gross cost of cult. (Rs. /ha.)	Gross Return (Rs. /ha.)	Net Returns (Rs. in lakh. /ha)	B:C ratio
T1= Recommended GCH-7	10	47.64	-	46,430	1,37,300	85,200	2.95
T2= GCH-8		52.15	9.46	47,110	1,52,310	1,15,503	3.23

### Varietal Evaluation

**Problem definition: Evaluation of suitable variety of Papaya at Sirohi district**

**Technology Assessed: Varietal Evaluation of papaya**

**Table: Varietal Evaluation of papaya**

Technology Option	No. of trials	Yield (t/ha)	Increase %	Gross cost of cult. (Rs. /ha.)	Gross Return (Rs. /ha.)	Net Returns (Rs. in lakh. /ha)	B:C ratio
T1=Local variety	6	Results awaited					



T2= Red lady-786, Arka Surya, Arka Prabhat		
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### PEST AND DISEASE MANAGEMENT

**Problem definition: Effect of propiconazole and Trichoderma management of Alternaria leaf spot of castor**

**Technology Assessed: Integrated disease management**

**Table: Effect of propiconazole and Trichoderma management of Alternaria leaf spot of castor**

Technology Option	No. of trials	Gross cost of cult. (Rs. /ha.)	Gross Return (Rs. /ha.)	Net Returns (Rs. in lakh. /ha)	B:C ratio	Increase %
T1=Farmer practice seed treatment with fungicide like thiram (3 g/s kg seed)	10	30,375	89,661	59,286	2.95	-
T2=Seed treatment with Thiram (3g/kg seed) +Trichoderma (10g/kg) 1 mi/liter spray of propiconazole		31,875	1,15,995	84,120	3.64	29.37

## II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2019-20 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.	Chickpea	ICM	RSG-924	Training, CFLDs, Scientist visit& field day	2	50	20
2.	Mustard	ICM	NRCHB-101	Training, CFLDs, Scientist visit& field day	4	100	40
3.	Cumin	ICM	GC-4	Training, CFLDs, Scientist visit& field day	1	10	5
4.	Green gram	ICM	GAM-5	Training, CFLDs, Scientist visit& field day	2	25	10
5.	Sesame	ICM	RT-351	Training, CFLDs, Scientist visit& field day	3	75	30
6.	Mustard	ICM	Giriraj	Training, CFLDs, Scientist visit& field day	3	125	50
7.	Chickpea	ICM	RSG-974	Training, CFLDs, Scientist visit& field day	2	50	20
8.	Cumin	ICM	GC-4	Training, CFLDs, Scientist visit& field day	1	10	5
9.	Tomato	ICM	Arka Rakshak	Training, CFLDs, Scientist visit& field day	2	10	1
10.	Onion	ICM	Arka Found Dark Red	Training, CFLDs, Scientist visit& field day	2	10	2
11.	Maize (TSP)	ICM	DHM-121	Training, CFLDs, Scientist visit& field day	2	20	10
12.	Wheat (TSP)	ICM	Raj-4238	Training, CFLDs, Scientist visit& field day	2	25	10
					26	510	203

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

- b. Details of FLDs implemented during 2019 (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.	Chickpea	ICM	RSG-924	Rabi	20	20	12	38	50	-
2.	Mustard	ICM	NRCHB-101	Rabi	40	40	25	75	100	-
3.	Cumin	ICM	GC-4	Rabi	5	5	0	10	10	-
4.	Green gram	ICM	GAM-5	Kharif-2019	10	10	0	25	25	-
5.	Sesame	ICM	RT-351	Kharif-2019	30	30	15	60	75	-
6.	Mustard	ICM	Giriraj	Rabi-2019-20	50	50	20	105	125	-
7.	Chickpea	ICM	RSG-974	Rabi-2019-20	20	20	5	45	50	-
8.	Cumin	ICM	GC-4	Rabi-2019-20	5	5	0	10	10	-
9.	Tomato	ICM	Arka Rakshak	Kharif-2019	1	1	6	4	10	-
10.	Onion	ICM	Arka Found Dark Red	Kharif-2019	2	2	3	7	10	-
11.	Maize (TSP)	ICM	DHM-121	Kharif-2019	10	10	20	0	20	-
12.	Wheat (TSP)	ICM	Raj-4238	Rabi-2019	10	10	25	0	25	-

## 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					
Chickpea	Rabi	RF	Sandy loam	Low	Medium	High	Green gram, Sesame, Groundnut, Cotton	21.10.18 to 28.10.18	8.3.19 to 12.3.19		
Mustard	Rabi	RF	Sandy loam	Low	Medium	High	Green gram, Sesame, Bajra, Groundnut	5.10.18 to 14.10.18	3.3.19 to 8.3.19		
Cumin	Rabi	RF	Sandy loam	Low	Medium	High	Green gram, Sesame, Groundnut, Cotton	14.11.18 to 17.11.18	15.3.19 to 20.3.19		

Green gram	Kharif	RF	Sandy loam	Low	Medium	High	Mustard, Chickpea, Wheat	4-7-19 to 10.7.19	2.10.19 to 5.10.19		
Sesame	Kharif	RF	Sandy loam	Low	Medium	High	Mustard, Chickpea, Wheat	6.7.19 to 12.7.19	15.10.19 to 19.10.19		
Mustard	Rabi	RF	Sandy loam	Low	Medium	High	Green gram, Sesame, Bajra, Groundnut	17.10. 19 to 30.10.19	05.02.20 to 27.02.20		
Gram	Rabi	RF	Sandy loam	Low	Medium	High	Green gram, Sesame, Groundnut, Cotton	25.10.19 to 3.11.19	07.02.20 to 01.03.20		
Cumin	Rabi	RF	Sandy loam	Low	Medium	High	Green gram, Sesame, Groundnut, Cotton	17-11-19 to 25-11-19	20.02.20 to 10.03.20		
Tomato	Kharif	RF	Sandy loam	Low	Medium	High	Mustard, Gram, Cumin	26.6.2019	15.10.2019		
Onion	Kharif	RF	Sandy loam	Low	Medium	High	Rabi onion, Mustard, Gram	24.6.2019	15.12.2019		
Maize	Kharif	RF	Sandy	Low		High	Mustard,	12.7.2019	25.10.2019		

(TSP)			loam		Medium		Chickpea, Wheat				
Wheat (TSP)	Rabi	RF	Sandy loam	Low	Medium	High	Green gram, Sesame, Groundnut, Cotton	13.11.19	25.02.20 to 25.03.20		

#### Technical Feedback on the demonstrated technologies

S. No	Feed Back
1.	Generally, farmers used advance generation seed of Raj-4238 variety. Latest improved certified seed not used.
2.	IPM measures not properly followed
3.	No seed treatment.
4.	Improper scheduling & depth of irrigation.
5.	Weed infestation & Termite problem.

#### Farmers' reactions on specific technologies

S. No	Feed Back
1.	Seed – Wheat Variety Raj-4238 very much liked by farmer because its matured in 125 days, bold seeded and brightness
2.	GAM-5 moong variety: Early maturing variety, bold seeded, high yielding variety, resistant to YMV.
3.	Sesame variety RT-351 having bright white seeds, high number of capsules, resistant to phyllody
4.	Chickpea (RSG-974) bold seeded high yielding variety, moderately resistance to wilt, dry root rot.
5.	Mustard (NRCHB-101) high number of pods, more number of branches, high yielding variety
6.	Cumin (GC-4) high yielding variety, resistant to wilt and powdery mildew
7.	Kharif onion (AFDR) average yields 250 to 300 q/ha. , duration of crop 90 to 100 days after transplanting.
8.	Tomato Arka Rakshak variety resistant to bacterial blight and tomato leaf curl virus.

#### Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organized	Number of participants	Remarks
1.	Field days	12	480	-
2.	Farmers Training	6	150	-
3.	Media coverage	4	-	-
4.	Training for extension functionaries	0	-	-

**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																		
Sesamum	ICM	Full package	RT-351	75	30	9.2	3.0	6.16	4.18	47.59	15,900	40,003	24,103	2.51	13,290	27,141	13,851	2.04
Mustard	ICM	Full package	NRCHB-101	75	30	24.0	17.0	21.13	16.64	26.98	22,118	85,176	63,058	3.85	20,613	67,704	47,091	3.28
Castor	ICM	Full package	GCH-7	75	30	46.2	42.1	44.15	33.29	32.62	47,910	2,20,750	1,72,840	4.60	42,630	1,66,450	1,23,820	3.90
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	Full package	GAM-5	50	20	8.8	4.8	6.56	4.78	27.13	17,500	46,268	28,768	2.64	13,840	33,749	19,909	2.43
Chickpea	ICM	Full package	RSG-924	100	40	23.0	19.0	21.21	16.38	26.25	27570	98360	70808	3.56	23601	75102	51500	3.18
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 Other crops

Category & Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)			Check	% Change in Yield	Other Parameters		Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
					Demo					Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
					High	Low	Average												
<b>Cereals</b>																			
<b>Paddy</b>																			
<b>Waterlogged Situation</b>																			
<b>Coarse Rice</b>																			
<b>Scented Rice</b>																			
<b>Wheat</b>																			
<b>Wheat Timely sown</b>																			
<b>Wheat Late Sown</b>																			
<b>Mandua</b>																			
<b>Barley</b>																			
<b>Maize</b>	ICM	Full	20	10	38	30	31	22.33	36.27			24,240	62,688		2.58	23,855	49,728		2.08

		package																	
<b>Amaranth</b>																			
<b>Millets</b>																			
<b>Jowar</b>																			
<b>Bajra</b>																			
<b>Barnyard millet</b>																			
<b>Finger millet</b>																			
<b>Vegetables</b>																			
<b>Bottlegourd</b>																			
<b>Bittergourd</b>																			
<b>Cowpea</b>																			
<b>Spongegourd</b>																			
<b>Petha</b>																			
<b>Tomato</b>	ICM	Seeds	10	1	370	290	330	260	26.92			78,000	2,31,000	1,53,000	2.96	89,000	1,82,000	93,000	2.04









<b>Vaccination</b>																			

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

\*\* BCR= GROSS RETURN/GROSS COST







Vegetables	Houshold nutrition security through kitchen gardening	Distribution of nutria garden kit, Establishment of nutria garden at house hold level	24	100m <sup>2</sup> /farmer	Results awaited
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**FLD on Demonstration details on crop hybrids** *(Details of Hybrid FLDs implemented during 2019)*

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

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







Others (pl specify)	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>35</b>	<b>8</b>	<b>43</b>	<b>47</b>	<b>9</b>	<b>56</b>
<b>VIII Fisheries</b>										
Integrated fish farming	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
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>	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	1	0	0	0	42	0	42	42	0	42
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	1	23	7	30	20	5	25	43	12	55
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0
Others (pl specify) Importance of FPO	1	0	0	0	42	0	42	42	0	42
<b>Total</b>	<b>3</b>	<b>23</b>	<b>7</b>	<b>30</b>	<b>104</b>	<b>5</b>	<b>109</b>	<b>127</b>	<b>12</b>	<b>139</b>
<b>XI Agro-forestry</b>										
Production technologies	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	2	12	3	15	8	3	11	20	6	26
Biofuel Krishak Prashikshan	18	259	167	426	392	82	474	651	249	900
<b>Total</b>	<b>20</b>	<b>271</b>	<b>170</b>	<b>441</b>	<b>400</b>	<b>85</b>	<b>485</b>	<b>671</b>	<b>255</b>	<b>926</b>
<b>GRAND TOTAL</b>	<b>48</b>	<b>480</b>	<b>261</b>	<b>741</b>	<b>793</b>	<b>165</b>	<b>960</b>	<b>1,286</b>	<b>426</b>	<b>1,712</b>

### Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>I Crop Production</b>										
Weed Management	0	0	0	0	0	0	0	0	0	0
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0
Integrated Farming	1	20	0	20	0	0	0	20	0	20
Micro Irrigation/irrigation	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	3	14	17	31	56	9	65	70	26	96







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	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	2	26	0	26	4	14	20	30	14	44
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>26</b>	<b>0</b>	<b>26</b>	<b>4</b>	<b>14</b>	<b>20</b>	<b>30</b>	<b>14</b>	<b>44</b>
<b>XI Agro-forestry</b>										
Production technologies	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
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>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>21</b>	<b>87</b>	<b>76</b>	<b>163</b>	<b>207</b>	<b>175</b>	<b>384</b>	<b>294</b>	<b>251</b>	<b>545</b>

#### Farmers' Training including sponsored training programmes – CONSOLIDATED (On + Off campus)

Thematic area	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>I Crop Production</b>										
Weed Management	0	0	0	0	0	0	0	0	0	0
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0
Integrated Farming	2	24	0	24	21	0	21	45	0	45
Micro Irrigation/irrigation	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	12	97	48	145	131	25	156	229	73	302
Soil & water conservation	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	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>14</b>	<b>121</b>	<b>48</b>	<b>169</b>	<b>152</b>	<b>25</b>	<b>177</b>	<b>274</b>	<b>73</b>	<b>347</b>
<b>II Horticulture</b>										
<b>a) Vegetable Crops</b>	0	0	0	0	0	0	0	0	0	0
Production of low value and high-volume crops	0	0	0	0	0	0	0	0	0	0
Off-season vegetables	0	0	0	0	0	0	0	0	0	0
Nursery raising	3	31	9	40	20	15	35	51	24	75
Exotic vegetables	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0
Protective cultivation	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 (a)</b>	<b>3</b>	<b>31</b>	<b>9</b>	<b>40</b>	<b>20</b>	<b>15</b>	<b>35</b>	<b>51</b>	<b>24</b>	<b>75</b>
<b>b) Fruits</b>										
Training and Pruning	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	2	10	0	10	35	39	74	69	15	84
Cultivation of Fruit	2	21	3	24	31	0	31	52	3	55
Management of young plants/orchards	2	0	0	0	44	15	59	44	15	59





Others (pl specify) Importance of FPOs	1	0	0	0	42	0	42	42	0	42
<b>Total</b>	<b>5</b>	<b>49</b>	<b>7</b>	<b>56</b>	<b>108</b>	<b>19</b>	<b>129</b>	<b>157</b>	<b>26</b>	<b>183</b>
<b>XI Agro-forestry</b>										
Production technologies	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
Others (pl specify)	2	12	3	15	8	3	11	20	6	26
Biofuel Krishak Prashikshan	18	259	167	426	392	82	474	651	249	900
<b>Total</b>	<b>20</b>	<b>271</b>	<b>170</b>	<b>441</b>	<b>400</b>	<b>85</b>	<b>485</b>	<b>671</b>	<b>255</b>	<b>926</b>
<b>GRAND TOTAL</b>	<b>69</b>	<b>567</b>	<b>337</b>	<b>904</b>	<b>1,000</b>	<b>340</b>	<b>1,344</b>	<b>1,580</b>	<b>677</b>	<b>2,257</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	1	8	3	11	9	0	9	17	3	20
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	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	1	13	2	15	5	0	5	18	2	20
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 (Pl. Specify) RAWE Programme	1	9	0	9	0	0	0	9	0	9
<b>TOTAL</b>	<b>3</b>	<b>30</b>	<b>2</b>	<b>32</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>44</b>	<b>5</b>	<b>49</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 (RAWES Students)	1	9	0	9	0	0	0	9	0	9
<b>TOTAL</b>	<b>3</b>	<b>30</b>	<b>2</b>	<b>32</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>44</b>	<b>5</b>	<b>49</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	8	3	11	9	0	9	17	3	20
Vermi compost	1	13	2	15	5	0	5	18	2	20
<b>TOTAL</b>	<b>2</b>	<b>21</b>	<b>2</b>	<b>26</b>	<b>14</b>	<b>0</b>	<b>14</b>	<b>35</b>	<b>5</b>	<b>40</b>

#### 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	30	0	30	0	0	0	30	0	30
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	1	20	0	20	5	0	5	25	0	25
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0
Women and Child care	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>2</b>	<b>50</b>	<b>0</b>	<b>50</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>55</b>	<b>0</b>	<b>55</b>

#### Training programmes for Extension Personnel including sponsored training programmes (off campus)







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>Agricultural Extension</b>										
Capacity building and group dynamics	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>Grand 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>

#### IV. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	95	360	95	455
Diagnostic visits	10	25	10	35
Field Day	12	480	36	516
Group discussions	2	55	4	59
Kisan Ghosthi	8	420	30	450
Film Show	5	400	15	415
Self -help groups	0	0	0	0
Kisan Mela	2	1700	28	1728
Exhibition	3	2000	34	2034
Scientists' visit to farmers field	68	430	130	560
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	0	0	0	0
Method Demonstrations	4	120	4	124
Celebration of important days	10	310	50	360
Special day celebration	3	200	12	212
Exposure visits	1	25	1	26
Others (pl. specify)	0	0	0	0
<b>Total</b>	<b>223</b>	<b>6,525</b>	<b>449</b>	<b>6,974</b>

#### Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	0
Extension Literature	6
News paper coverage	25
Popular articles	4
Radio Talks	6
TV Talks	0
Animal health amps (Number of animals treated)	0
Others (pl. specify)	0
<b>Total</b>	<b>41</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
3	Gosthies	1	100	Nutrition week Sawchtaa pakhwada World breast feeding day
	Lectures organized	3	120	
	Exhibition	1	200	
	Film show	0	0	
	Fair	0	0	
	Farm Visit	2	10	
	Diagnostic Practical	0	0	
	Distribution of Literature (No.)	3	300	
	Distribution of Seed (q)	0	0	
	Distribution of Planting materials (No.)	0	0	
	Bio Product distribution (Kg)	0	0	
	Bio Fertilizers (q)	0	0	
	Distribution of fingerlings	0	0	
	Distribution of Livestock specimen (No.)	0	0	
Total number of farmers visited the technology week	3	30		

## 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						
Oilseeds	Sesame	RT-351		4		
Pulses	Chickpea	RSG-974		14	98,000	
Commercial crops						
Vegetables						
Flower crops						
Spices	Cumin	GC-4		2.55	70,000	
Fodder crop seeds						
Fiber crops						
Forest Species						

Others						
<b>Total</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	Tomato	Arka Rakshak		39,613	39,613	
Fruits	Papaya	Red Lady-786		37,922	7,58,440	
	Papaya	Arka Surya		2,817	56,340	
		Arka Prabhat		1,361	27,220	
	Lime	Barahmasi		849	21,225	
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices						
Tuber						
Fodder crop saplings						
Forest Species						
Others						
<b>Total</b>				<b>92,562</b>	<b>9,12,838</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				
<b>Total</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	Sirohi	25	1,18,600	4
<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>		<b>25</b>	<b>1,18,600</b>	<b>4</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	84	84	7	16,800	84
Water					
Plant					
Manure					
Others (pl.specify)					
<b>Total</b>	<b>84</b>	<b>84</b>	<b>7</b>	<b>16,800</b>	<b>84</b>

## VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Date of SAC Meeting	Participants
KVK, Sirohi	4.1.2019	32
KVK, Sirohi	27.9.2019	25

## IX. NEWSLETTER/MAGAZINE

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

## X. PUBLICATIONS

Category	Number
Research Paper	4
Technical bulletins	3
Technical reports	3
Others (pl. specify)	

## 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.)



<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>	Biofuel Krishak Prashikshan	18	900	KVK, Sirohi
<b>Total</b>		<b>18</b>	<b>900</b>	<b>KVK, Sirohi</b>

#### 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
Vermi Compost Producer (ASCI)	25	20	KVK, Sirohi
Nursery Worker (ASCI)	25	20	KVK. Sirohi
<b>Total</b>	<b>54</b>	<b>140</b>	<b>KVK, Sirohi</b>

### 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*

**Name of the KVK : KVK, Sirohi**

**TITLE TITLE : New variety of castor of GCH-8**

#### **Introduction**

Sh. Pukhraj Kumhar, village: Arathwara, Tahsil: Sheoganj, District: Sirohi. He is graduate and his family members were primary educated. He is cultivating of castor since long time. He has a 20.0 ha. own land. In

the cultivation of castor crop affected by wilt disease and by male flowers problem. Sh. Pukhraj Kumhar is very progressive farmer about new cultivation as well adoption of new technology. In the year 2017-18 sh. Pukhraj ji came to KVK and gave the advice by KVK. Scientist motivated him to grow of new variety of castor i.e. GCH-8. All the features of the variety was discuss especially this variety resistant to wilt of castor. The disease of wilt is very common in the area, it is very big problem for castor growers in the area. Sh. Pukhraj ji was agree to grow the new seed of castor i.e. GCH-8. KVK was provided the seed 2.0 kg of castor variety undr the FLD allotment in only 0.4 ha.

**KVK intervention:** Introduce GCH-8 variety of castor.

**Output :** Now a day many farmers of the area wanted to grow GCH-8.

**Outcome:** The farmers are very glad to spread the castor variety of GCH-8 in the district as well as the growers of castor are minimize the wilt problem and this variety has less male flowers, Higher no. of capsules, more no. of seed per capsules and more no. of branches.

**Impact:** The socio-economic status of the farmers are improved by the resistant variety as well, as high yielding of castor. The increase the average yield of the district as well as nation and very good source to earn foreign money.

### Success stories

विशेष क्षेत्र	पपीता एवं तरबूज में उन्नति
<p><b>fdlku dk uke</b> श्री दिनेश सिंह  ग्राम: जमोतरा  तहसील: सिरोही  जिला: सिरोही  फोन नंबर: 9928315851  आयु: 38 वर्ष  शिक्षा : 12<sup>th</sup> पास  जमीन की जोत: 8 हेक्टर  खेती का अनुभव: 4 साल  मुख्य फसल: पपीता एवं तरबूज</p>	

सिरोही ज़िले के श्री दिनेश सिंह जी पिछले कई वर्षों से खनन का व्यवसाय कर रहे थे परंतु उस व्यवसाय के बंद हो जाने के बाद किसान ने खेती करने का मन बनाया । इन्होंने 2011-12 से पपीता की 1.5 हेक्टर क्षेत्रफल में खेती करना शुरू की । ये किसान पिछले 3 वर्षों से कृषि विज्ञान केन्द्र के वैज्ञानिकों के संपर्क एवं सहयोग से खेती कर रहे हैं । केन्द्र में संपर्क के बाद इन्होंने अपने 1.5 हेक्टर क्षेत्रफल को बढ़ाकर 6 हेक्टर क्षेत्रफल में पपीता तथा इस में से 1 हेक्टर क्षेत्रफल में पपीता की ताईवान किस्म के पौधे केन्द्र से प्राप्त कर लगाए एवं साथ ही 2 हेक्टर क्षेत्रफल में तरबूज की खेती की । इसके साथ ही इन्होंने कम्पोस्ट खाद हेतु नेडेप कम्पोस्ट पिट बनवाई है इसी से निर्मित खाद का ये खेत में उपयोग कर रहे हैं । इन्होंने पपीता के 4 हेक्टर क्षेत्रफल में से 45 लाख रुपये के फलों की बिक्री की है इसके साथ ही 2 हेक्टर क्षेत्रफल में तरबूज की खेती से 7-8 लाख रुपये तक की आमदनी ली है। इन्हे शुद्ध 50 लाख रुपये तक का मुनाफा हुआ है जिससे इनके जीवन स्तर में काफी सुधार आया है । यह एक लोकप्रिय, मेहनती एवं प्रगतिशील किसान है । इस मेहनती किसान की कृषि में रुचि एवं इनके निरन्तर प्रयासों के लिए इनको यह सफलता मिली है । यह सिरोही जिले में किसानों के लिए प्रेरणा L=ksr है एवं इन्हीं से प्रेरित होकर काफी किसान इनके मार्गदर्शन से खेती कर रहे हैं तथा नेडेप कम्पोस्ट पिट बनवाकर उसकी खाद को काम में ले रहे हैं ।

विशेष क्षेत्र :	अनार (बागवानी में उन्नति )
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**fdlku dk uke** श्री नवदीप गोलेछा  
 ग्राम: वेरा वीलपुर  
 तहसील: शिवगंज  
 जिला: सिरोही  
 फोन नंबर: 7737777730  
 आयु: 35 वर्ष  
 शिक्षा : वित्त एवं अर्थशास्त्र मे स्नात्कोतर  
 जमीन की जोत: 150 एकड़  
 खेती का अनुभव: 5 साल  
 मुख्य फसल: अनार



सिरोही ज़िले के युवा किसान श्री नवदीप गोलेछा जी ने कृषि विज्ञान केंद्र, सिरोही के वैज्ञानिकों के सहयोग एवं अपनी बागवानी के क्षेत्र में रुचि से 5 वर्ष पहले उन्होंने अनार की खेती की शुरुआत करते हुए अनार की भगवा सिंदूरी एवं वंडरफूल किस्म चुनी। इन्होंने अपनी 150 एकड़ जमीन पर अनार के 12,500/- पौधे लगाए एवं कम पानी में अधिक क्षेत्रफल में फसल उत्पादन हेतु जल संरक्षण की उन्नत वैज्ञानिक विधियों का उपयोग करते हुए पोलीमल्चिंग, सेन्सर युक्त स्वचालित ड्रिप और टेंसियोमीटर जैसी नई तकनीक का प्रयोग किया और फसल की निगरानी के लिए ड्रोन केमेरा का उपयोग किया। समय पर सस्य कार्य, उचित विपणन प्रबंधन कर अनार के फलों की उत्तम गुणवत्ता प्राप्त कर इन्होंने अनार के फलों की अच्छी कीमत हासिल की। इस तरह से अच्छी किस्म एवं खेती में नवाचार के द्वारा इन्होंने अपनी फसल पर लगभग 25 लाख रुपये का निवेश किया था अब श्री नवदीप गोलेछा जी प्रतिवर्ष 70 लाख रुपये का लाभ रपट कर रहे हैं। इस युवा किसान की कृषि में रुचि, नवाचार की सोच एवं इनके निरन्तर प्रयासों के लिए इनको महिंद्रा समृद्धि अवार्ड से सम्मानित किया गया। यह पूरे सिरोही जिले में युवाओं एवं किसानों के लिए प्रेरणा L=ksr है इनकी उपलब्धियों से प्रेरित होकर कई युवाओं ने कृषि विशेषकर बागवानी फसलों को अपना रोजगार चुनकर इसमें सफलता प्राप्त की है।

### विशेष क्षेत्र : समन्वित कृषि प्रणाली

**fdlku dk uke** श्री पुखराज कुम्हार  
 ग्राम: अरठवाड़ा  
 तहसील: शिवगंज  
 जिला: सिरोही  
 फोन नंबर: 9982107169  
 आयु: 40 वर्ष  
 शिक्षा : 12<sup>th</sup> पास  
 जमीन की जोत: 22 बीघा  
 खेती का अनुभव: 15 वर्ष  
 मुख्य फसल: कपास, अरंडी, सोंफ, टमाटर, मिर्च, मूंग, चना, पपीता, नींबू एवं पशुपालन



कृषि विज्ञान केन्द्र के वैज्ञानिकों की सलाह से कृषक ने "समन्वित कृषि प्रणाली" मॉडल के आधार पर खेती करना शुरू

किया। इनके द्वारा खेत में नकदी फ़सल (कपास, अरंडी), मसाला फ़सल (सोंफ, जीरा), सब्जियाँ (टमाटर, भिंडी, मिर्ची, गोभी), खाधान फ़सल (गेहूँ, बाजरा, चना, मूँग) के साथ बागवानी में पपीता एवं नींबू का बगीचा लगाया गया है। इन के साथ ये कृषक पशुपालन भी कर रहे हैं जिसमें इनके पास 8 गाय एवं 5 भैंस हैं एवं इसी गोबर की खाद बनाकर ये अपने खेत में प्रयोग करते हैं। साथ ही वर्तमान में ये इस समन्वित कृषि प्रणाली से सालाना 10 लाख रुपये तक की आय प्राप्त कर रहे हैं। पुखराज जी की मेहनत एवं समन्वित कृषि प्रणाली के सफलतापूर्वक खेती से क्षेत्र के कई किसान प्रेरित हो रहे हैं तथा इस तरह से खेती करना प्रारम्भ कर रहे हैं A

**विशेष क्षेत्र :** पपीता (बागवानी में सफलता)

**fdlku dk uke** श्री राम लाल जी

ग्राम: भूतगांव  
तहसील: सीरोही  
जिला: सिरोही  
फोन नंबर: 9414154566  
आयु: 48 वर्ष  
शिक्षा: 10<sup>th</sup> पास  
जमीन की जोत: 6 हेक्टर  
खेती का अनुभव: 15 साल  
मुख्य फसल: पपीता (रेड लेडी 786, अर्का सूर्या एवं अर्का प्रभात)



सिरोही ज़िले के श्री रामलाल जी ने कृषि विज्ञान केन्द्र, सिरोही पर संपर्क से केन्द्र के वैज्ञानिकों की सलाह से पपीते की नई किस्में (रेड लेडी 786, अर्का सूर्या एवं अर्का प्रभात) के बारे में जानकारी ली और उन्होंने अपने 1.5 हेक्टर क्षेत्र में पपीता की तीनों नई किस्मों को लगाया। कृषक समय-समय पर केन्द्र पर हो रहे पपीता की खेती से संबंधित प्रशिक्षणों एवं अन्य नई तकनीकों को अपनाया। यह नई किस्में गायनोडायोसिसस हैं जिससे किसान को बहुत लाभ हुआ। किसान को लगभग 50-60 किलो प्रति पौधा फल प्रति वर्ष प्राप्त हुआ जिससे किसान को शुद्ध लाभ लगभग 5 लाख रुपये हुआ। किसान के द्वारा अपने खेत पर पपीते की विभिन्न किस्में (रेड लेडी 786, अर्का सूर्या एवं अर्का प्रभात) का अच्छा लाभ देख कर स्थानीय किसान नई किस्मों को लगाना शुरू कर रहा है जिससे अन्य किसानों को भी इसका लाभ मिल रहा है।

**विशेष क्षेत्र :** सब्जियों की जैविक खेती

**fdlku dk uke** श्री प्रवीण सिंह  
ग्राम: सांगवाड़ा  
तहसील: पिंडवाड़ा  
जिला: सिरोही  
फोन नंबर: 9672251787  
आयु: 32 वर्ष  
शिक्षा: बीबीए  
जमीन की जोत: 3 हेक्टर  
खेती का अनुभव: 6 साल

मुख्य फसल: सब्जियाँ: गोभी, बंद गोभी, प्याज़, भिंडी, मटर, टमाटर, मिर्ची, ग्वारफली, मटर आदि।



सिरोही ज़िले में जैविक खेती करने में अग्रणी कृषक प्रवीण सिंह केविके के संपर्क से सब्जियों की जैविक खेती करना शुरू किया। इनहोंने सब्जियाँ: गोभी, बंद गोभी, प्याज़, भिंडी, मटर, टमाटर, मिर्ची, ग्वारफली, मटर आदि की जैविक तरीके से खेती कर रखी है। केन्द्र के वैज्ञानिकों की सलाह से कृषक ने डी वेस्ट कम्पोजर का प्रयोग किया इसके साथ ही जीवमृत एवं गन जीवमृत का खाद के रूप में प्रयोग कर बिना किसी रसायन का खेत में प्रयोग कर खेती की। कृषक पिछले 5 से 6 वर्षों से खुद के द्वारा बनाए गए खाद एवं पादप संरक्षण हेतु दवाइयों का ही खेत में प्रयोग करते हैं। ये कृषक सामान्य खेती की तुलना में बहुत ही उच्च कोटी एवं बहुत ही अच्छे स्वाद की सब्जियाँ ले रहे हैं जिससे इन्हें बहुत अच्छा लाभ मिल रहा है एवं सालाना 6 लाख रुपये तक की आय प्राप्त कर रहे हैं। जैविक खेती में अग्रणी किसान को कई बार तहसील एवं जिला स्तर पर सम्मानित किया गया है और काफी किसान इनसे प्रेरित होकर जैविक खेती की और अग्रसर हुए हैं। केविके में प्रशिक्षण लेने के बाद इन्होंने खुद जीवामृत एवं कम्पोस्ट खाद बनाना शुरू किया जिस से अपने खेत के अलावा आस पास के किसानों को भी इसका लाभ दे रहे हैं।

**विशेष क्षेत्र :**

**VekVj dh [ksrh ls ekykeky**

fdlku dk uke &Nxuyky

ग्राम: djksVh

तहसील: Jsonj

जिला: सिरोही

फोन नंबर: 9649028433

आयु: 48 वर्ष

शिक्षा: 5<sup>th</sup> ikl

जमीन की जोत: 6 हेक्टर

खेती का अनुभव: 25 साल

मुख्य फसल: सब्जियाँ: टमाटर।



djksVh xkao ds Nxuyky iq= Hkh[kkjke th ekyh VekVj dh [ksrh djrs gSaA [ksrh dh vk/kqfue rduhdksa ls voxr ugha gksus ds dkj. bUgs cgqr leL;kvksa dk lkeuk djuk iM+kA Nxuyky th us tc VekVj dh [ksrh izkjEHk dh rc lkekU; flapkbZ i)fr dk bLrseky fd;k ftlls muds [ksr es atxg&txg ikuh Hkj tkrk rFkk ty Hkjko dh leL;k mRiU gks x;h bls ikuh dk nq:lk;ksx gqvk vkSj etnwjh ij [kpZ c<+ x;kA lkFk gh xkscj dh [kn dk fcuk lMs gh [ksr esa iz;ksx djus ls nhedk izdksi Hkh c<+us yxk bl izdkj dbZ leL;kvks ds ,d LkkFk vk tkus ij mUgsa fo'ks"kk dh lykg dh t:jr eglql gqbZ mUgksaus vius lkFkh fdlkuksa ls laidZ fd;k rFkk d`f"k foKku dsUnz ds fo'ks"kkksa ls laidZ dj dsUnz ds xrfok/k;ks esa 'kkfey gkus yxs d`f"k foKku dsUnz ds fo'ks"kkksa dh lykg ij xksj djus ij mUgksaus vius [ksrh ds rjhds cnys mUgksaus lkekU; flapkbZ dh txg fM<sup>a</sup>i flapkbZ dh O;oLFkk dh vkSj VekVj dh VsfyQksu fof/k ls [ksrh dhA Qlyksa dks nhed ls cpkus ds fy, DyksjksihjksQkWI 20 bZ-lh- 4 yhVj@ gsDVsj ds fglkc ls iz;ksx fd;k vxsrh vaxekjh ds fy, DyksjksFkkyksfuy 2 xzke@yhVj dk iz;ksx fd;k bl izdkj VekVj dh [ksrh dh mUUr rduhdksa o ikS/kk laj{k.k ds ckjs esa oSKkfudks sls lykg ys dj viuh leL;vksa dk lek/kku fd;k vkSj mRiknu esa c<+ksrjh dh bUgksaus vius 2-5 gsDVj tehu ls 18 yk[k ds VekVj dk mRiknu fd;kA mudh blh uohure lksp ls muds lkFkh fdlku izsfjr gq, rFkk bUgksaus Hkh VekVj mRiknu esa u;h rduhdks

dks viuk;k o d`f"k foKku dsUnz vkdj le; le; ij lykg yh Nxuykyth dks VekVj dh [ksrh esa vfoLej.kh; ;ksxnku gsrq lEekfur fd;k x;kA bldks ns[kdj jsonj {ks= ds cgqr lkjs fdlku VekVj dh VsfyQkus fof/k o flapkbZ ds fy, cwUn\*&cwUn flapkbZ viukdj [ksrh djus yxs vkSj VekVj dh [ksrh ls {ks= ds dbZ fdlku ekykeky gq, l

□□□□□ □□□□□□□□ iks"k.k okfVdk&,d ojnku  
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fdlku dk uke हिरी बाई  
ग्राम: Eksjl  
तहसील: fi.MokMk  
जिला: सिरोही  
फोन नंबर: 9119338643  
आयु: 42 वर्ष  
शिक्षा : vui<  
जमीन की जोत: हेक्टर  
खेती का अनुभव: साल

मुख्य फसल: □□□□□□□□



,d vkfnoklh efgyk d`"kd gSA og eksjl] fi.MokMk dh fuoklh gSA हिरी बाई बिलकुल पढ़ी लिखी नहीं है और कोई हुनर भी नहीं आता जो आमदनी का जरिया बने। fgjh ckbZ dk ikfjokfjd O;olk; d`f"k gS ijUrq d`f"k dh vk; ls og iw.kZr;k larq"V ugha FkhA bl O;olk; ls mls dqN [kkl Qk;nk Hkh ugha gqvk vkSj blesa iwath dk fuos'k djuk Hkh ,d etcwjh Fkh D;ksafd blds vykok vk; dk dksbZ nwljk Bksl L=ksr ugha Fkka vdLekr~ fgjh ckbZ d`f"k foKku dsUnz ds oSKkfudksa ds lEidZ esa vkbZaA d`f"k foKku dsUnz ls iks"k.k okfVdk dk izf'k{k.k izklr dj fgjh ckbZ us fofHkUu izdkj dh ekSleh lfCt;ksa dks mxkus dk rjhdk lh[kkA d`f"k foKku dsUnz ls mlus ekSle ds vuqlkj lfCt;ka mxkuk] mldh ns[kHkky ,oa ifjokj ds lkFk mlls iSlS dekus dk ewy

ea= lh[kkA d`f"k foKku dsUnz ls izklr bl egUoiw.kZ tkudkj us mldk thou ifjofrZr gks x;kA x;hA og fujUrj d`f"k foKku dsUnz ds IEidZ esa cuh jghA bl rjg fgjh ckbZ us tSfod [ksrh ls ekSleh lfCt;ka mxkuh lh[k yhA mUgksaua 400 oxZ ehVj ls Hkh vf/kd dh Hkwfe ij lfCt;ka mxkbZ vkSj izf'k{k.k ds 3 ls 4 eghus ds varjky esa gh एक छोटी सी दुकान लगाकर 40000@& #i;s ls Hkh vf/kd dk equkQk dek;k जबकि पहले की कमाई 12000@& रूपए मात्र थी blds lkFk gh izfrfnu dh 1 ls 2 fdxz k lfCt;ka vius ifjokj esa iz;ksx esa Hkh yhaA bls ifjokj ds InL;ksa dks rktk Qy lfCt;ka feyhA ftuls mudk iks"k.k&Lrj lqfuf'pr gqvka lkFk gh fofHkUu izdkj dh lfCt;ksa ls cuk, x, mRiknksa tSls 'kcZr] tSyh] vpkj bR;kfn dk izf'k{k.k izklr dj vk; c<kus gsrq vxzlj gSa rFkk viuh lkFkh d`"kd efgykvksa ds fy, izsj.kk dk L=ksr cuh x;h gSA कमाई गई धन राशि से वो खेती के उन्नत यन्त्र खरीदना चाहती है जिससे उत्पादन का बढ़ावा मिले। इसके अलावा वह कमाए गए पैसे को अपने परिवार के उत्थान के लिया प्रयोग में लेगी।

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flykbZ cuh thou dk vk/kkj

:

fdlku dk  
uke

Ldkcsu

ग्राम: dkNkSyh  
तहसील: fi.MokMk  
जिला: सिरोही  
फोन नंबर:  
आयु: 40 वर्ष  
शिक्षा: ikapoha iki



ldkcsu dkNkSyh fi.MokMk dh fuoklh gS og ikapoha iki gS tks FkksMk i<uk fy[kuk Hkh tkurh gSA ekrk&firk us de mez esa gh etcwjh ds dkj.k vius ls fHkUu ifjokj esa fookg dj fn;kA bl dkj.k og T;knk i< ugha ik;haA lkFk gh gkFk esa dksbZ IVhd gquj Hkh ugha Fkk tks vius ne ij thfodksiktZu dj ldsA ldkcsu dk ifjokj iwjh rjg [ksrh ij gh fuHkZj gSA tks muds ifjokj ds fy, i;kZlr ek= gS] ijUrq vkt dy ds le; dks ns[krs gq, ldkcsu us flykbZ dk gquj lh[kkA igys FkksMh&FkksMh flykbZ djuk vkjaHk fd;kA ijUrq flykbZ esa n{k uk gks ikus ds dkj.k dksbZ [kkl ykHk uk gks ik;kA tc ldkcsu d`f"k foKku dsUnz ds IEidZ esa vk;h rks mUgsa flykbZ ds fo"k; esa vkSj vf/kd tkudkj gkfly gqbZA blh nkSjku d`f"k foKku dsUnz ls flykbZ e'khuksa dk forj.k fd;k x;kA bls ldkcsu esa flykbZ dh dyk esa yyd tkx`r gqbZaA og dkNkSyh ds ,d flykbZ dsUnz ls tqM+ xbZA d`f"k foKku dsUnz ds flykbZ izf'k{k.k esa Hkh mUgksaus c<+&p<dj fgLLkk fy;kA bl izzdkj dsUnz ds IEids esa vkus ls mudk flykbZ esa :>ku iDdk gks x;kA mUgksaus /khjs&/khjs flykbZ dsUnz esa flykbZ fl[kkus dk dk;Z vkjaHk dj fn;kA mUgksaus izfrfnu 10 ls 20 yMfd;ksa ds flykbZ ds cSp fudkys ,oa bl izdkj 7000 #i;s eghus dh dekbZ djus yxhA ldkcsu vc rd 100 ls T;knk yMfd;ksa dks flykbZ dk vH;kl dj k p q dh gSA flykbZ dyk ls gh mudh lkykuk vk; 80000 #i;s izfr o"kZ

gks x;h gSA ;g IHkh efgykvksa ds fy, izsj.k dk L=ksr gSA

### XIII. 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
April 2017 to March 2018	785426.87	1049414	552340	1282500.87
April 2018 to March 2019	1282500.87	1495575	1192945	1585040
January 2019 to December 2019	15,99,576.87	19,84,283	19,10,419	13,31,438.87

The KVKs implementing VATICA, NARI & Doubling Farmers income should submit one page report with salient achievements along with photographs pertaining to year 2019.

S.N.	Theme	Salient achievement
1.	VATICA	<ul style="list-style-type: none"> <li>• Project submitted: Value addition of fruits and vegetables of Sirohi district.</li> </ul>
2.	NARI	<ul style="list-style-type: none"> <li>• Medical camp was organized at Vellangri ideal PHC of Sirohi on 30<sup>th</sup> of may. Dr G.C. Mali, Dr. Mohmad Ayub, Dr. Ankita Sharma, Dr. Priyanka Swai gave away their expert services. Approximate 150 patient were benefited. Patients were counselled for diabetes, obesity, underweight, anemia, kidney stone. Pregnant and lactating were counselled for infant and young child feeding practices.</li> <li>• Kisan gosthi was organized at Panchdewal tahsil Pindwara to sensitize for NARI initiative of ICAR New Delhi. Farm women were acquainted by new initiative of ICAR to promote nutria sensitive practices as fortification, enrichment, nutrient rich crop and value addition techniques etc. more than 100 farm women were benefited.</li> </ul>
3.	Doubling Farmers Income	<ul style="list-style-type: none"> <li>• Preparation of PRA report of Rukhara village</li> <li>• Bench mark survey of 5 tribal villages</li> <li>• Extension activities conducted at selected villages</li> <li>• FLD on wheat variety-Raj-4238 seed were demonstrated to 20 farmers of Rukhara village.</li> <li>• Field day of Wheat variety-raj-4238 at Rukhara village.</li> </ul>