CRDE-KRISHI VIGYAN KENDRA, DISTT. - SEHORE

ANNUAL REPORT OF KVK - SEHORE
01 April, 2018 – 31 March, 2019

CRDE

सी आर डी ई कृषि विज्ञान केन्द्र

CRDE KRISHI VIGYAN KENDRA
SEWANIA, TEHSIL ICHHAWAR DISTRICT SEHORE(,M.P.)
Host Institute: **Centre for Rural Development & Environment**
Arvind Vihar, Baghmugalia Bhopal - 462 043 (India)
E-mail: crdekvksehore@gmail.com Fax : 0755 - 2480272,

(Sandeep Todwal)
Head,
Head,Krishi Vigyan Kendra, Sewania,
Distt- Sehore (M.P.)

Contents

REPORTING PERIOD – April 2018 to March 2019

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2018-19

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	**On Farm Testing**			
	Proposed OFT	**22**	265	
	On Going OFT	**1**	10	
	Technologies assessed (Completed OFT)	**16**	140	
	Technologies refined	**-**	-	
	On farm trials conducted	**-**	-	
2	**Frontline demonstrations**			
	Proposed Frontline demonstrations	26	285	
	On Going Frontline demonstrations	2(4.0 ha.)	15	
	FLDs conducted on crops	18	150	
	Area under crops (ha.)	55.25 ha.	150	
	FLD on farm implement and tools	-	-	
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	-	-	
	FLD on Fisheries - Finger lings	-	-	
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	-	-	
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	02	70	
3	**Training programmes**	**No. of Course**	**Duration (days)**	**Participants**
	Farmers	32	01	615
	Farm women	26	01	475
	Rural youth	13	01-02	350
	Extension personnel/ In service	11	01-02	275
	Vocational trainings	06	05	110
	Sponsored Training	03	01-02	430
	Total	88	-	2255
		No. of programmes	**Participants**	
4	**Extension Programmes**	459	21250	
5	**Production of technology inputs etc**	**Qty**	**Beneficiaries (nos.)**	
	Seed (qt.)	105.31	95	
	Planting material produced (nos.)	12510	866	
6	**Livestock**	**Qty**	**Beneficiaries (nos.)**	
	Livestock strains (Nos)	-	-	
	Milk Yield - Cow, Buffelo etc. (in liter)	-	-	
	Fish (Kg.)	-	-	
	Fingerlings (nos.)	-	-	
	Poultry-Eggs (nos.)	-	-	
	Ducks (nos.)	-	-	
	Chicks etc. (nos.)	-	-	
7	**Bio Products**	**Qty**	**Beneficiaries (nos.)**	
	Bio Agents -Earth worm (Kg.)	130.3	20	
	Trichoderma (kg.)	-	-	
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	**50000**	Use at KVK instructional Farm	
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)	**-**	-	
8	**Any other significant achievement in the Zone**	**Nos.**	**Participants/ beneficiaries**	
	Award (Best KVK award and scientist and farmer's award)	02	-	

	Publications (Res. Paper/ pop. Art./Bulletin,etc.)	02	Mass	
	KVK News letter	04	3500	
	SAC Meetings conducted	02	50	
	Soil sample tested	1181	1181	
	Water sample tested	-	-	
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	-	-	
	KVK-KMA (Message and beneficiaries)	35	47575	
	Convergence programmes	06	1082	
	Sponsored programmes	03	430	
	KVK Progressive Farmers interaction	01	150	
	No. of Technology Week Celebrations	01	396	
	Attended HRD activities organized by ZPD	25	07	
	Attended HRD activities organized by DES	09	04	
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)	03	02	
9	Current status of Revolving Funds (Amt. in Rs.)	240195.68		
10		**No. of blocks**	**No. of villages**	
	Outreach of KVK in the District	05	925	
11		**ICAR**	**SAU**	**Others**
	No. of important visitors to KVK (nos.)	9	-	3
12		**Working (Yes/No)**	**No. of Update**	
	Status of KVK Website	Yes	04	
13		**Application received**	**Application disposed**	
	Status of RTI (nos.)	Nil	Nil	
14		**Query received**	**Query dissolved**	
	Citizen Charter (nos.)	Nil	Nil	
15		**Working (Yes/No)**	**No. of programme viewed**	
	E-connectivity	No	Nil	
16		**Filled**	**Vacant**	
	Staff Position	15	01	
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)	25		
18	Publication received from ICAR /other organization (nos.)	17		
19		**Particulars**	**Organization**	
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	01	RAK College, Sehore	
20	Activities performed in Satellite Village on DFI	**Nos. of Activities**	**Participants/ beneficiaries**	
		65	803	
21	Activities performed in Nutri Smart Village	**Nos. of Activities**	**Participants/ beneficiaries**	
		24	766	
22	Activities performed in Sansad Adarsh Gram	**Nos. of Activities**	**Participants/ beneficiaries**	
		Nil	Nil	

GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs on 31st March, 2019

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
KVK-SEHORE	16	01	0	06	06	03	03	06	06	16	15

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specialization	Pay scale	Present pay	Date of joiing	Per./Temp.	Category
SEHORE	**Head**	**Vacant**	-	-	-	-	-	-	-	-
SEHORE	Scientist – 1	Mr. J. K. Kanaujia	Horticulture	M.Sc.	Vegetable	15600 -5400-39100	80,000	09/07/05	Temporary	OBC
SEHORE	Scientist-2	Mr. Sandeep Todwal	Soil Science	M.Sc.	Soil Science & Agri. Chemistry	15600 -5400-39100	67,000	16/12/10	Temporary	OBC
SEHORE	Scientist – 3	Mr. Devendra Patil	Agronomy	M.Sc.	Agronomy	15600 -5400-39100	57,800	26/12/2017	Temporary	OBC
SEHORE	Scientist – 4	Mr. Deepak Kushwaha	Plant Protection	M.Sc.	Entomology	15600 -5400-39100	57,800	01/01/2018	Temporary	OBC
SEHORE	Scientist – 5	Mr. Dharmendra Patel	Ag. Extension	M.Sc.	Extension	15600 -5400-39100	56,100	11/03/2019	Temporary	OBC
SEHORE	Scientist- 6	Dr. Vimlesh Kumar	Animal Husbandry	M.V.Sc.	Vet. Gynaecology & Obstetrics	15600 -5400-39100	56,100	25/03/2019	Temporary	OBC
SEHORE	Programme Assistant	Miss Kusum Shukhwal	Home Science	M.Sc.	Home Science	9300-4200-34800	36,500	05/02/2018	Temporary	GEN
SEHORE	Farm Manager	Mr. Mansingh Baghel	Agronomy	M.Sc.	Agronomy	9300-4200-34800	34,500	06/03/2019	Temporary	OBC
SEHORE	Computer Programmer	Mr. Akshay Kalkar	MCA	MCA	Computer Application	9300-4200-34800	36,500	01/01/2018	Temporary	GEN
SEHORE	Accountant	Mr Shashikant Harde	Commerce	M.Com	Commerce	9300-4200-34800	41,100	01/08/13	Temporary	SC
SEHORE	Stenographer	Mr. Bhanu Pal Singh	Science	B.Sc.	Steno	5200 - 2400-20200	33,300	25/01/08	Temporary	GEN
SEHORE	Driver	Mr. Pradip Singh Rajput	-	10 th	-	5200 - 2000-20200	29,300	18/08/03	Temporary	GEN
SEHORE	Driver	Mr. Sateesh Upadhyay	-	10th	-	5200 - 2000-20200	21,700	04/03/2019	Temporary	GEN
SEHORE	Supporting staff	Mr. Ravishanker Raikwar	-	10th	-	4400 - 1300-7440	24,200	01/03/01	Temporary	OBC
SEHORE	Supporting staff	Mr. Nirmal Kumar	-	8th	-	4400 - 1300-7440	20,900	25/08/06	Temporary	ST

1.2. DISTRICT PROFILE (Detail of geographical area, Cultivation, Land, resources, Opportunities, Irrigation, Populations etc.)–

Location :-

The district is situated at central part of Madhya Pradesh with longitude and latitude of 22°33”49’ to 23°41”02’North and 76°26”55 to78°01”59’ on East respectively. It is stands in the foothills of *Vindhyachal Range* in the middle of *Malwa* region The District is spread over an area of 6,578 square km and it is surrounded by six district viz.. Bhopal, Raisen, Hoshangabad, Dewas, Shajapur and Raigarh. Likewise the district is well connected to the Western Railway from Bhopal to Ratlam.

Demographic Profile:

District Sehore has total population **1311332** as per census 2011. The literacy level in the district is **71%**. The total SC and ST population comes in tune of **31.78%** in the district as per census 2011. Tehsil wise population details given in the table –

Name of the Tehsil	Population				SC		ST		General		Total	
	M	F	CH*	Total	No. of household	No. of Members	No. of household	No. of Members	No. of household	No. of Members	No. of household	No. of Members
Sehore	143539	131539	38501	275078	9646	48229	2226	11128	41227	215721	53098	275078
Ashta	131462	122000	36869	253462	13680	68399	1161	5806	35597	179257	50438	253462
Ichhawar	84198	78109	26299	162307	6801	34006	6677	33384	18628	94917	32106	162307
Nasrullaganj	91834	84429	28487	176263	5352	26760	9726	48630	17909	100873	32987	176263
Budni	48652	43254	12768	91906	2907	14535	2659	13296	13450	64075	19016	91906
Shyampur	80246	72108	24099	152354	5802	29008	452	2262	23870	121084	30124	152354
Jawar	56142	52319	16139	108461	8022	40109	1229	6147	12953	62205	22204	108461
Rehti	47670	43831	14267	91501	2047	10235	4972	24859	10319	56407	17338	91501
Total	**683743**	**627589**	**197429**	**1311332**	**54256**	**271281**	**29102**	**145512**	**173952**	**894539**	**257311**	**1311332**

(Source : Census -2011)

Topography and Agro climatic characteristic:-

The district fall in the Vindhya plateau, as the zone is characterized by black soil mostly medium in depth. The major crop are grown in the region are Soybean and Wheat crop. The district has about 60% area is under medium black soil (30 - 60 cm depth) and about 20% deep (more than 60 cm depth) and about 20 % shallow soil (30 cm depth). The average mean sea level is falls in the range of 457 to 609 meter.

Agro-ecological situation :-

Agro Climate Zone	Agro- ecological situation	Block covered	Area in '000 Ha.	Soil Type
Vindhyan Plateau	Vindhyan Plateau (AES- I)	Sehore, Asta and Ichhawar	409.494	Medium Black
	Central Narmada Valley	Budani & Nasrullaganj	246.874	Medium Black & Alluvial Soil
Total Area	-	-	**656.368**	-

Soil Status :-

The district characterized by black *vertisols* mostly medium in depth, 60% area comes under medium black soil (30 to 60 cm depth) and about 20% deep black (more than 60 cm depth) and approximately 20% shallow black soil (30 cm depth). The soils are low in nitrogen (N), medium in phosphorus (P2O5) and medium in potash (K2O). About 40 % soils of Sehore, Budani and Ashta have been reported deficient in micro nutrient especially Zink (Zn), Sulpher (S) and Boron (B), soil pH rage in the scale of 7.3 to 7.8 making the soil fit for cultivation of wide range of crops.

Climate and Meteorology:-

The district experiences the sub tropical climate. The annual rainfall of the district is about 1260 mm, which is mostly concentrated during the month of July and August some time it extends up to end September. The winter rains are also received but the frequency and timing are uncertain and they are undependable under normal rainfall situation.

The summers are very hot particularly during the day time and the winters are very cold. *Rabi* cropping becomes very difficult mostly depends on available soil moisture. If the rain recedes much earlier in the *Kharif* season, the *Rabi* prospects shows down trend. Average temperature in summer varies from 250C to 450C and average temperature in winter from 100C to 250C.

Average Annual Rainfall of Previous Five Years (in mm)

S.No.	Blocks	Year wise rainfall (mm)					Average
		2014-15	2015 -16	2016-17	2017-18	2018-19	
1	Sehore	827.0	1012.0	1555.7	815.0	1075.0	**1056.94**
2	Asta	993.0	1059.0	1120.5	692.0	789.65	**930.83**
3	Ichhawar	906.0	993.8	1556.7	933.2	931.0	**1064.14**
4	Budani	1147.0	1234.0	1613.2	1016.75	926.6	**1187.51**
5	Nasrullaganj	987.4	1352.0	1414.0	948.0	599.2	**1060.12**
Average		**972.08**	**1130.16**	**1452.02**	**880.99**	**864.29**	**1059.90**

(Dept. of FW&AD, Sehore)

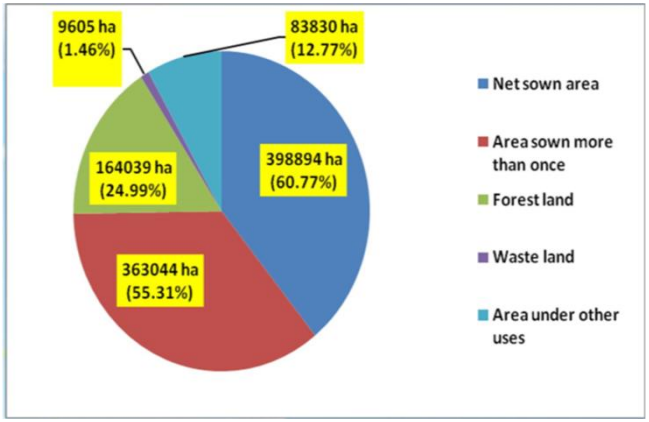
Land use pattern :-

The total arable land of Sehore district is 398894 ha, out of which, the irrigated area is about 68%. The major crop grown in *Kharif* season are Soybean, Rice, Maize, Jowar, Pigeon pea and Wheat, Chickpea and sugarcane are the popular crops in *Rabi* season.

Land Use Pattern :-

S. No.	Particulars	Details
01	Total geographical area (ha)	656368
02	Net sown area (ha)	398894
03	Area sown more than once in the year (ha)	363044
04	Gross cropped area (ha)	761938
05	Forest land (ha)	164039
06	Waste land (ha)	9605
07	Land under other uses (ha)	83830

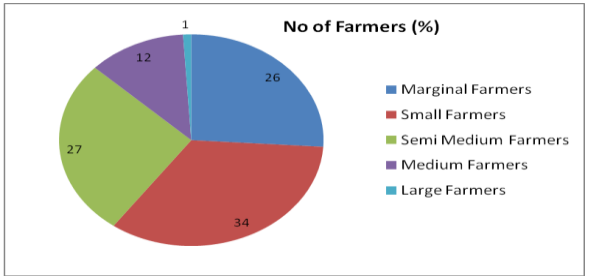
(Source: Land record)



Details of land holdings in the district (2012) – The size of operational holding plays an important role in understanding the prevailing farming system, dependent livelihoods, quality of rural life and corresponding farm economy of the any area. Higher occurrence of smaller holdings, skewed land distribution among Landholders, land capabilities and its. utilization, quality of land and its current status are some of the key Farameters determines the pace of development in agriculture sector. The district >62% of the land owners posses 49.68% land belonging to small and medium category of the farmers, >18% of the marginal farmers owns only a meager 6%, while 19% of the bigger land owners posses 42% land. The skewed ownership aggravates the problems and production potential of the district.

Type of Farmers	No.	Percentage	Area in (ha.)	Percentage
Marginal Farmers (Less than 1 ha.)	52313	26.0	25221	6.3
Small Farmers (1-2 ha.)	67430	34.0	82299	20.6
Semi Medium Farmers (2-4 ha.)	54987	27.0	114015	28.5
Medium Farmers (4-10 ha.)	23435	12.0	136461	34.2
Large Farmers (More than 10 ha.)	1898	0.9	40898	10.2
Total	**200063**	**-**	**398894**	**-**

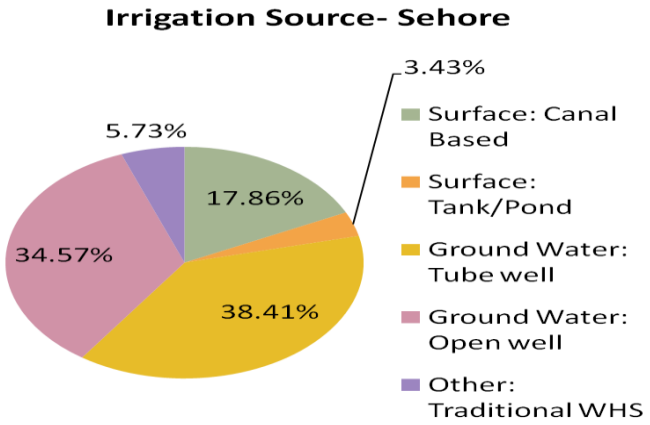
Source- DPO, Sehore



Irrigation : -The district has good potential for irrigation through different sources, though there are no major or medium irrigation scheme in the district, however, minor lift irrigation schemes, dug well, water harvesting structures, seasonal rivers and other sources provides water for irrigation. The water use and its efficiency, however, remain under question

Irrigation potential of district: -

S No	Sources	Area (ha)	%
A	***Surface Irrigation***		
1	*Canal Based*	*69607*	*17.86*
2	*Tanks/Ponds/ Reservoirs*	*13365.7*	*3.43*
	Total	*82972.7*	*21.28*
B	***Ground Water***		
1	*Tube wells*	*124824*	*38.41*
2	*Open Wells*	*97755*	*34.57*
Total		*222579*	*72.99*
C	***Other Sources - Traditional WHS***	*22136*	*5.73*
Grand Total (A+B+C)		**327687.73**	**100**



Production and productivity of major crop:-

Sehore is developing district of the state & important district for agriculture point of view. Here major crops grown in the district are Soybean, Maize, Paddy in Kharif however wheat & Chickpea in Rabi season. The prominent cropping system prevails in the district are Soybean – Wheat, Soybean – Chickpea and Paddy – Wheat. The productivity of the major crop is not better since the crops are dependent on rains. The Sharbati Wheat of the district is very popular in producing good quantum of wheat which supplying to the western part of the country. Present production and productivity of major crop in the district is given as an under:-

Present status of major crops in Sehore

Year	Soybean			Paddy			Pigeon pea			Wheat			Chickpea			Green Gram		
	A	P	Y	A	P	Y	A	P	Y	A	P	Y	A	P	Y	A	P	Y
2013-14	291.2	127.6	438.0	21.2	74.2	3500.0	14.5	8.1	530.0	238.0	714.0	3000.0	120.0	132.0	1100.0	27031	29734	1100
2014-15	272.0	366.7	1348.0	35.0	176.5	5042.0	10.7	64.8	606.0	241.6	850.9	3522.0	97.0	122.5	1263.0	27022	27022	1000
2015-16	296.0	438.0	1296.6	23.6	82.56	3500.0	9.76	87.84	900.00	230.1	805.3	3500.0	91.84	116.6	1270.0	26700	26166	980
2016-17	269.91	329.29	1220.0	29.8	125.6	4200.0	9.05	11.95	1320.0	248.95	871.3	3500.0	81.93	110.61	1350.0	25900	28490	1100
2017-18	275.16	335.70	1220.0	31.87	133.84	4200.0	5.45	7.19	1320.0	244.50	904.64	3700.0	96.42	164.79	1709.0	33581	37274	1110
Average	**280.854**	**319.458**	**1104.52**	**28.294**	**118.54**	**4088.4**	**9.892**	**35.976**	**935.2**	**240.63**	**829.228**	**3444.4**	**97.438**	**129.3**	**1338.4**	**28046.8**	**29737.2**	**1058**

A = Area (000ha) **P = Production (000 Ton)** **Y = Productivity (kg/ha.)**

Horticulture :-

Beside the area under field crops, significant area comes under the horticultural crops; the district register area under different horticulture is 18351.81 ha with an aggregate production of 283812.37 MT. The vegetable production from around 8334 ha of land under vegetable cultivation is a little more than 110348 MT. Similarly the good amount of land comes under fruit crops *i.e.*3234 ha and production is about 74516 MT. Beside this there are sizable land comes under spices 5237 ha and production is 81864 MTs similarly 1545 ha area comes under flower cultivation and 17075 MTs and medicinal plants 1.81 ha and 9.37 MT production.

Block wise Area and Production of Horticultural Crops Year 2013-14 ***(Area in ha, production in MT)***

S.No.	Block	Fruit		Vegetable		Spices		Flowers		Medicinal	
		Area (ha.)	Production	Area	Production	Area	Production	Area	Production	Area	Production
1	Sehore	750	16500	1986	31776	1426	109802	50	2050	1.31	6.79
2	Asta	683	15026	1775	28400	1195	92015	35	1435	-	-
3	Ichhawar	1057	23254	1885	30160	1055	81235	38	1558	0.5	2.59
4	Budani	211	4642	1660	26560	698	53746	106	4346	-	-
5	Nas,ganj	578	12716	1450	23200	868	66836	80	3288	-	-
Total		**3279**	**72138**	**8756**	**140096**	**5242**	**38563**	**309**	**12677**	**1.81**	**9.38**

(Source: Department of Horticulture, Sehore)

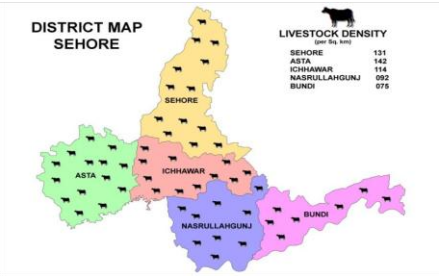
Details of Horticulture Nursery available in the district.

S.No.	Name of Block	Location	Area (ha)	Current Status
1	**Sehore**	Mahuakheda	7.63	Mango, Aonla, Citrus, Guava
2	**Asta**	Asta	2.00	Guava, Citrus, Ratanjot
		Gadrakhedi	5.00	-
3	**Ichhawar**	Jamli	16.00	Guava, Citrus, Neem, Ratanjot
4	**Budni**	Peelikarar	5.00	Guava, Citrus, Neem, Ratanjot
5	**Nasrullganj**	Satrana	5.00	Guava, Citrus, Neem, Ratanjot

Source- DOH Sehore

Livestock :-

The economy of Sehore district is primarily agriculture and livestock based. There is good quantum of animal resources in the district. As the metro like Bhopal is near to Sehore district hence, the scope for the increase the production potentiality of the animals. Simultaneously additional employments may also be generating for the community. As forest are disappeared rapidly so that there is considerable decrease in the fodder production as mostly there is the practice of the open grazing in the rural areas. With the continues deficit in rainfall the possibilities of rain water conservation above and below the ground is decreased since traditional tanks are also neglected. In the absences of effective rainfall fodder production and water for drinking to animals is very difficult in the region.



Block	Small animals					Large animals		
	Poultry	Ducks	Pigs	Goat	Sheep	Cow	Buffalo	Draught animal
Sehore	242585	0	326	20472	0	60245	46498	5051
Ashta	21258	0	384	31535	90	70905	59560	0
Ichawar	18650	0	276	25427	0	82479	37612	0
Nasrullaganj	15310	0	443	17908	0	59771	37211	0
Budhni	5824	0	0	9793	0	34868	14205	5023
Total	**303627**	**0**	**1429**	**105135**	**90**	**308268**	**195086**	**10074**

(Source: Dept. of Animal Husbandry and Veterinary Services)

Production of Animal produces in the District

S.No.	Product	Production
01	Milk	155 Lakh Lit.
02	Meat	407.3 MT
03	Eggs	106.46 Lakh No.

(Source: Dept. of Animal Husbandry and Veterinary Services)

Fisheries :-

Sehore district has also got a good potential for fisheries. Fisheries can be a viable option for employment generation in various villages, if practiced technically. The district has got 92 village ponds and 3 irrigation tanks with total area 404177 ha. & Production 12.034 MT.

Water body	Area (ha.)	Production (Qtl.)	Productivity (Qtl./ha.)
Ponds (self)	4844.40	89621.4	18.5
Ponds (Irrigation Department)	3520.26	5984.442	1.7
Total	**8364.66**	**95605.84**	**10.1**

SWOT ANALYSIS -

SWOT Analysis is a strategic planning tool used to evaluate the Strengths, Weaknesses, Opportunities, and Threats involved in project or programme. It involves specifying the objective of the project and identifying the internal and external factors that are favorable and unfavorable to achieving that objective.

3.1 STRENGTH

There are number of strengths in the district, which need to be further strengthened and optimally harnessed to remove the existing state of poverty, backwardness and underdevelopment:

- Suitability of climate and soil (medium black) for various, Cereals, Oilseeds (soybean) Pulses & Horticultural crops.
- Excellent institutional support- Agriculture collage, Krishi Vigyan Kendra, Farm machinery training & testing centre etc.
- 78.2 % area under irrigation.
- 60.29 % area under cultivation of total geographical area.
- Sufficient average rainfall (1261.2 mm.)
- Sufficient availability of Agriculture labors.
- Good marketing connectivity (Road & rail etc.) to the metro cities.
- Quality wheat producing district.
- Existing Poultry and milk industries well established and functional.

3.2 WEAKNESS

Like in all the places, there are a large number of weaknesses in the district, which is responsible, to an extent, for its backwardness. Here's a list of some of the weaknesses of the district comprising of both the problems and the constraints: -

Unavailability of quality inputs i.e. seeds & planting material and their quality and timely availability.

- Proper marketing channels for commodity chain are not well developed.
- Inadequate power (electricity) supply limiting to obtain optimum production potential.
- Focus on post harvest and storage management is very low.
- Undulated land.
- Diversifications of the farming system is very low
- Lack of awareness toward market demand at farmer's level.
- Numbers of small and marginal farmers are more which is limiting to take innovation / diversification.
- Farmers' attitude and traditional practices for the farming limiting to get optimum production potential.

3.3 OPPORTUNITIES

If one look at the strengths that are there in the district and observe the weaknesses of the district, one can easily find a lot of opportunity areas to work on, to take the district of the path of development. Here are some of the 'opportunities', clearly evident from the profile of the district, the strengths that operate in favour of the district and the weaknesses that one need to work towards addressing:

- Potential for crop/ agriculture and other components of the farming system diversification.
- Establishment of the education hubs (for agriculture- technology and latest Technical knows how).
- Strengthen the existing supply system and organize up-gradation course for the staff.
- Opportunity cost for the labour is comparatively low and labour available.
- Scope for organic cultivation enough quantity of the required material required for the same is available in sufficient quantity.

- Floriculture- an option as district is near to metro.
- Gap in production potential of the prominent crops.
- Easy e- extension in rural areas due to IT revolution in the country.
- Improving purchasing capacity.
- The dairy and diary product can be an opportunity for the marginal and small farmers.
- The farm mechanization can be enhance as the required industries are readily available as and required for.
- Scope exists to increase the returns to farmers by establishing small agro processing units in production catchments.
- Scope for entrepreneurship development for custom hiring of high capacity and costly farm machinery.

3.4 Threats –

- Over exploitation of the ground water and subsequent decline in water table.
- Small & reducing size of land holdings with associates constraints of being Resource poor, low risk taking abilities, thereby extension of new technologies further difficult.
- Natural calamities like draughts, pest and disease appearance.
- Deterioration in soil health.
- Biological and environmental degradation.

Major Problems in District :-

- Lack of high yielding varieties/ hybrids in field crops.
- Poor seed replacement rate & negligible seed treatment.
- Heavy incidence of insect & diseases.
- Heavy infestation of weeds in Kharif crops.
- Imbalance use of fertilizer declining soil health.
- Lack of soil & water conservation techniques.
- Low input use efficiency.
- Slow crop diversification under Horticultural crop and Integrated Farming System
- Poor adoption of latest technologies at farmers part.
- High post harvest losses (10 – 12 % in grain, 25 – 30 % in vegetable & fruit crops).
- Poor credit support particularly small & marginal farmers.
- Weak transfer of technology system.

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period (Approved by competent Authority in meetings/workshops)

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
SEHORE	Bichhia	2013	Sehore	70 Km	2440	520
SEHORE	Golukhedi	2014	Ichhawar	30 Km	2576	238
SEHORE	Kothara Pipalya	2016	Nasrullaganj	68 Km.	1486	355
SEHORE	Bijlon	2017	Sehore	50 Km	2141	424
SEHORE	NarsinghKheda	2018	Ichhawar	25 Km.	2008	407

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
SEHORE	Soil Health Management, Crop management Practices (CMP)
SEHORE	Horticulture & Végétales Corps (H & VC)
SEHORE	Animal Science (A S)
SEHORE	Integrated Plant Protection Techniques (IPPT)
SEHORE	Women in Agriculture. (W A)
SEHORE	Implements & Farm Machinery (I & FM)
SEHORE	Natural Resource Management (NRM)
SEHORE	Livelihood & Nutritional Security
SEHORE	Doubling Farmers income by 2021-22

1.4. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
SEHORE	**Soil health** High Soil erosion due to undulation & non bunding of farms Deterioration in Soil health due to adoption of Soybean – Wheat , Paddy – Wheat, Soybean- Chickpea cropping system Deterioration in soil health due to imbalance use of plant nutrient Lack of knowledge about bio fertilizer & its application	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
SEHORE	Unavailability of high yielding varieties/ hybrids in field crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, Interface, Extrainees meet etc.	Problem are common in entire district
SEHORE	Low seed replacement rate in major Crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
SEHORE	Lack of awareness about seed treatment	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
SEHORE	Weed infestation in Crops	Field visit, Individual contact	Bayan
SEHORE	Low yield due to Old varieties, No use of Recommended Package of Practices	PRA, Field visit, Individual contact	Golukhedi, Bichhia, Kothra Pipalya
SEHORE	Low water use efficiency	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
SEHORE	Low fertilizer use efficiency due to imbalance use of fertilizer	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
SEHORE	Heavy infestation of insect & disease	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
SEHORE	Slow crop diversification in Horticultural crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
SEHORE	Slow adoption of farm mechanization	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
SEHORE	High post harvest losses in grain, vegetable & Fruits crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
SEHORE	Poor adoption of technology by Farmers	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
SEHORE	Weed infestation of crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
SEHORE	Water stress in critical stages of plant growth	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district

2. On Farm Testing (OFT)

2.1 Details of OFT on Crop

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Name of Technology/Variety used			Thematic Area	Crop/ enterprise	Name of Crop	Farming Situations	Target	No. of trials	Results (q/ha)			Net Returns (Rs./ha)		
						T1	T2	T3							FP (T_1)	RP (T_2)	T3	FP (T_1)	RP (T_2)	T3
SEHORE	2017-18	Rabi	Low yield of Onion due to imbalance use of Plant nutrient	Assessment of Nutrient management in Onion Crop	Assessment	No use of INM Module (Only N,P&K 80:40:0 Kg/ha)	RDF as per STV + seedling treatment with azobactor & PSB + 40 Kg/ ha sulphur at the time of transplanting	RDF as per STV + 40 Kg/ ha sulphur at the time of transplanting + foliar spray of 18:18:18 @ 2.5 kg/ ha at 30 DAT + Foliar spray 13:00:45 @ 2.5 kg. /ha 75 DAT	SFM	Crop	Onion	Irrigated	10	10	200	241	249	93090	123140	128340
SEHORE	2018-19	Kharif	Low yield due to no use of recommended Potassium Nutrient	Assessment of Foliar Spray of Potassium nutrient in Soybean Crop	Assessment	No use of potassium nutrient	Application of RDF potassium 20 kg /ha. As per STV	Foliar application of N:P:K 0:0:50 @ 05 kg/ ha before flowering & Pod filling stage	SFM	Crop	Soybean	Irrigated	10	10	12.68	14.17	13.88	21586.66	25802.95	25047.65
SEHORE	2018-19	Kharif	Low yield of Hybrid maize due to imbalance use of Plant nutrient	Assessment of Integrated nutrient management in Hybrid Maize	Assessment	Imbalance use of Plant nutrient (64:46:0 NPK kg /ha)	RDF as per STV (120:60:40 NPK kg/ha.)	02 ton FYM + RDF as per STV (120:60:40 NPK kg/ha.)	INM	Crop	Maize	Irrigated	10	10	45.72	52.4	56.76	37502.86	45490.24	50900.91
SEHORE	2018-19	Kharif	Low Yield due to water logging and Drought	Assessment of FIRBS Machine in Soybean	Assessment	Convential Seed drill + Duck foot	Convential Seed drill without Duck foot	FIRBS Machine	I&FM	Crop	Soybean	Irrigated	10	10	9.06	12.20	14.33	11517	21733	27730
SEHORE	2018-19	Kharif	Low Yield of Maize due to use of old Seed & Varieties	Assessment of Maize Variety Pratap Hybrid Maize-3	Assessment	Local	Hybrid	PHM-3	CPM	Cereal	Maize	Restrict Irrigated	10	10	48.2	53.50	56.28	56283	65166	69176
SEHORE	2018-19	Kharif	Low yield of Cucurbits due to heavy infestation of Fruit Fly	Assessment of IPM Module for the management of Fruit	Assessment	Spray of Insecticide at the time of Infestation	SDP+ Recommended dose of Nitrogenous Fertilizers + Fruit Fly	SDP+ Recommended dose of Nitrogenous Fertilizers + Poison	PLP	Vegetable	Bottle Gourd	Irrigated	10	10	318.2	363.50	419.50	118266.0	141438.0	172870.0

				fly in Cucurbits (Bottle gourd & Pumpkin)			Trap	baiting (01 kg. pumpkin+ 100 g. me Jiggery + 10 ml Melathion) Removal of Infected fruit+ Fruit FLy											
SEHORE	2018-19	Kharif	Lowe yield of Tomato due to heavy infestation of tomato leaf curl disease	Assessment of IDM module for the management of Tomato leaf curl disease	Assessment	Application of Insecticide	SDP+ Optimum Planting distance + Resistance Variety+ Seedling Treatment with Imidachloprid 48% Fs+ Need based Application of Insecticide	SDP +Optimum seed rate (75 -100 g/ ha) +Yellow Sticky trap 25 no/ha + Need based spray of Imidachlor oprid 17.8 SL @ 0.35ml./Lit. water	PLP	Vegetables	Tomato	Irrigated	10	10	325.20	388.90	427.40	180768.50	225580.00	270260.00
SEHORE	2018-19	`Rabi	Assessment of Chickpea crop due to imbalance use of Plant nutrient	Assessment of INM in Chickpea	Assessment	Imbalance use of plant nutrient (09:23:0 kg/ha NP& K)	RDF as per STV+ seed inoculation with Rhizobium + PSB @ 5 g/kg seed each	STCR (Targeted yield 20q/ha) + seed inoculation with Rhizobium + PSB @5 g/kg seed each	INM	Crop	Chickpea	Irrigated	10	10	12.34	14.92	15.39	30653.30	40746.76	42557.68
SEHORE	2018-19	Rabi	Deterioration Soil organic carbon content	Assessment of Bio-waste decomposer for Quality organic product enhance soil health	Assessment	Dumping the farm waste and residue in pits exposed to extreme weather conditions	Bio-waste decomposer. (Consortium of microbes)	-	NRM	Enterprise	-	-	10	10	-	-	-	18000	36000	-
SEHORE	2018-19	Rabi	Low yield of Onion due to imbalance use of Plant nutrient	Assessment of Nutrient management in Onion Crop	Assessment	No use of INM Module (Only N,P&K 80:40:0 Kg/ha)	RDF as per STV + seedling treatment with azobactor & PSB + 40 Kg/ ha sulphur at the time of transplanting	RDF as per STV + 40 Kg/ ha sulphur at the time of transplanting + foliar spray of 18:18:18 @ 2.5 kg/ ha at 30 DAT + Foliar spray	SFM	Crop	Onion	Irrigated	10	10	193.75	232.75	240.75	87625	116075	121275

								13:00:45 @ 2.5 kg. /ha 75 DAT											
SEHORE	2018-19	Rabi	Low yield of Wheat due to use of Old Seed & Variety	Assessment of Wheat Variety HI-1605 (Pusa UJALA) in semi irrigated Condition	Assessment	Use of wheat variety Malwashakti	Use of Wheat variety HI-8737 (Pusha Anmol)	Use of Wheat variety HI-1605 (Pusa Ujala)	CPM	Cereal	Wheat	Restrict Irrigated		05	31.62	38.31	43.37	37951	51131	61659
SEHORE	2018-19	Rabi	Low yield of Wheat due to heavy infestation of termite	Assessment of IPM module for the management of termite in wheat crop under Rainfed condition	Assessment	Application of Insecticide	SDP+ Seed Treatment with Fipronil 5 % SC @ 5 ml/kg Seed	SDP+ Seed Treatment with Fipronil 5 % SC @ 5 ml/kg Seed+ Soil treatment by Chloropyriphos 25 kg/ha.	PLP	Cereals	Wheat	Rainfed	10	10	23.24	25.85	27.66	50240	56840	61440
SEHORE	2018-19	Rabi	Low yield of Tomato and higher production cost.	Assessment of Tomato Hybrid Arka Rakshak.	Assessment	Farmers Practice (Local Hybrids)	Hybrid Arka Samrat	Hybrid Arka Rakshak	H&VC	Vegetable	Tomato	Irrigated	0.75	05	632.0	781.0	796.0	279200	988125	417500
SEHORE	2018-19	Rabi	Low yield & poor quality of cabbage and cauliflower	Assessment of Integrated Management of diamond Black Mouth in Cabbage and cauliflower	Assessment	Farmers Practice (No use of correct pesticide at correct stage)	Chemical Control (Use of chemicals at correct stage)	Integrated Management	H&VC	Vegetable	Cabbage & Cauliflower	Irrigated	1.5	05	168.0	215.0	232.0	72400	11750	14800
SEHORE	2018-19	Kharif	Low yield of Kharif Onion Farmers are mainly growing local varieties (known as Nasik)	Assessment of promising varieties Bheema super of Kharif Onion for higher yield and income.	Assessment	Farmers Practice – Nasik	AFDR	Bheema Super	H&VC	Vegetable	Onion	Irrigated	0.75	05	171.0	189.0	205.0	94050	117250	133250

SEHORE	2018-19	Zaid	Low yield of Green Gram due to heavy incidence of yellow mosaic disease (Avg. yield losses up to 15-20 %)	Assessment of IDM module for the management of Yellow mosaic disease in Green gram	Assessment	Application of Insecticides	Removal of infected plantat initial stage+ spraying of imidachloprid 17.8% SL@ 125 ml/ha. Along with sulphor@0.1%	SDP+ Resistant Variety + seed treatment with thiomethoxam 70 WS @3g/kg. seed + yellow sticky trap+ Rought out of Infected plants at initial stage+ need based spray of Imidachloprid17.8% SL@ 125 m.l/ha. .	PLP	Pulses	Green Gram`	Irrigated	10	10	In Progress

Recommendations of OFTs

Recommendations		
Title of OFT	**For Farmers**	**For Deptt. Personnel**
Assessment of Nutrient Management	Nutrient Management in Onion Crop was found more effective over farmer practices and recommendation for micro level situation	Technology found best for onion grower but it was more testing required for analysis of data
Assessment of Foliar Spray of Potassium nutrient in Soybean Crop	Foliar Spray of Potassium nutrient was found more effective in case of Farmer no use of potassium nutrient	Technology found best for soybean grower, Recommendation for demonstration.
Assessment of Integrated nutrient management in Hybrid Maize	INM in Hybrid Maize found effective and increase for more income, B:C ratio was found 2.63 compare to farmer practices 2.78	Technology found best for Hybrid maize grower recommendation for demonstration.
Assessment of INM in Chickpea	The Technology was found compatible with farmer practice & recommendation for micro level situation.	Technology found more effectively but it was more testing required for analysis of data.
Assessment of Bio- waste decomposer for Quality organic product enhance soil health	Technology was found more effective, compatible with farmers practice & recommendation for micro level situation	Technology was found more effective recommendation for demonstration but it was 1 year OFT more testing required for analysis of data.
Assessment of Nutrient management in Onion Crop	Nutrient management in onion crop was found effective over farmer practices and recommendation for micro level situation	Technology was found more effective but it was more testing required for analysis of data.
Assessment of Wheat Variety HI- 1605 (Pusa Ujala) in Semi Irrigated Condition	Technology found compatible with farmers practice for micro level situation	Need to develop resistance Variety

Assessment of IPM Module for the management of Fruit fly in Cucurbits (Bottle gourd & Pumpkin)	Technology found compatible with farmers practice for micro level situation	Need to develop resistance Variety
Assessment of IDM module for the management of Tomato leaf curl disease	Technology found compatible with farmers practice for micro level situation	Need to develop resistance Variety
Assessment of IPM module for the management of termite in wheat crop under Rainfed condition	Technology found compatible with farmers practice for micro level situation	Need to develop resistance Variety

2.2 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T_1)	RP (T_2)	RP (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP(T_2)	Refined Practice , if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice , if any (T_3)
Assessment of Nutrient Management in Onion Crop	No. of buld/m^2	50	50	50	66910	69660	70860	160000	192800	199200	93080	123140	128340	2.39	2.77	2.81
	Avg, Bulb Weight (g)	40	48.20	49.80												
	Yield Q/ha.	200	241	249												
Assessment of Foliar Spray of Potash in Soybean Crop	No. of Pods/ Plant	16.95	17.58	17.45	20245.00	20957.50	20750.00	41831.66	46760.45	45797.65	21586.66	25802.95	25047.65	2.07	2.23	2.21
	No. of Grain/ pod	1.89	2.02	1.98												
	Test Weight (g)	96.94	97.94	98.14												
	Yield (Q/ha)	12.68	14.17	13.88												
Assessment of Integrated Nutrient Management In Hybrid maize	No. of Cobs/ Plants	1.10	1.21	1.28	26499.20	27969.20	28569.20	64002.06	73459.44	79470.11	37502.86	45490.24	50900.91	2.42	2.63	2.78
	No. of seed/ cob	284.00	294.70	299												
	Test Weight (g)	242	244	245												
	Yield (Q/ha)	45.72	52.47	56.76												
Assessment of Nutrient Management in Chickpea	No. of Pods/ Plant	23.06	24.25	24.70	23630	24880	25180	54283.30	65626.76	67737.68	30653.30	40746.76	42557.68	2.30	2.64	2.69
	No. of Grain/ pod	1.09	1.20	1.21												
	Test Weight (g)	214.50	223.60	224.30												
	Yield (Q/ha)	12.34	14.92	15.39												
Assessment of Bio- Waste Decomposer for Quality Organic Product enhance Soil Health	Time Taken for Decomposition	12 Month above	2.5 Month	-	1200	1400	-	3000	5000	-	18000	36000	-	2.5	3.57	-
	Comparison of NPK of FYM with decomposer compost	N- 1.4 % P- 1.7 % K-1 %	N- 1.8% P-1.9% K- 1.3%	-												
Assessment of Nutrient Management in Onion Crop	No. of buld/m^2	50	50	50	67375	70124	71325	155000	186200	192600	87625	116075	121275	2.30	2.66	2.70
	Avg, Bulb Weight (g)	38.75	46.55	48.15												
	Yield Q/ha.	193.75	237.75	240.75												
Assessment of FIRBS Machine in Soybean	No. of Plants/m^2	40.88	41.75	40.90	20185	20965	22430	31702	42698	50160	11517	21733	27730	1.57	2.00	2.23
	No. of Pods/ Plants	11.04	14.10	14.95												
	No. of seed/ pod	1.98	2.0	2.23												
	Test Weight (g)	101.4	103	105												
	Yield (Q/ha)	9.06	12.20	14.33												

Assessment of Maize Variety Pratap Hybrid Maize-3	No. of Plants/m^2	6.0	6.06	6.10	25655	25905	56499	81939	91071	95676	56283	65166	69176	3.19	3.51	3.61
	No. of Cobs/ Plants	1.01	1.08	1.10												
	No. of seed/ cob	318	325	333												
	Test Weight (g)	249	251	252												
	Yield (Q/ha)	48.20	53.57	56.28												
Assessment of Wheat Variety HI-1605 (Pusa Ujala) in Semi irrigated Situation	No. of Plants/m^2	42.60	43.0	43.36	25283	25483	25083	63235	76615	86743	37951	51131	61659	2.50	3.01	3.46
	No. of Effective Tillers/ Plant	4.04	4.81	5.81												
	No. of seed/ pod	42.99	43.11	43.6												
	Test Weight (g)	42.7	42.90	44												
	Yield (Q/ha)	31.62	38.31	43.37												
Assessment of IPM Module for the management of Fruit fly in Cucurbits (Bottle gourd & Pumpkin)	Fruit Fly infestation in (%)	14.72	6.11	3.55	72654	76662	78830	190920	218100	251700	118266	141438	172870	2.63	2.84	3.19
	Yield (Q/ha.)	`318.2	363.5	419.5												
Assessment of IDM module for the management of Tomato leaf curl disease	Disease Incidence (%)	14.46	7.03	3.92	79391.50	85540.00	95660.00	260160.00	311120.00	365920.00	180768.50	225580.00	270260.00	3.28	3.64	3.83
	Yield (Q/ha.)	325.2	388.9	427.4												
Assessment of IPM module for the management of termite in wheat crop under Rainfed condition	Insect infestation (%)	10.68	5.50	2.64	19480	20710	21540	69720	77550	82980	50240	56840	61440	3.58	3.75	3.86
	Yield (Q/ha.)	23.24	25.85	27.66												
Assessment of Tomato Hybrid Arka Rakshak.	Yield (q/ha.)	632	781	796	130600	154300	158700	409800	542425	576200	279200	388125	417500	3.13	3.51	3.63
	% increase in yield (q./ha.)	-	23.0	25.9												
. Assessment of promising varieties Bheema super of Kharif Onion for higher yield and income.	Avg, Bulb Weight (g)	83	85	86	59860	66150	71750	153900	18900	205000	94050	117250	133250	2.57	2.85	2.85
	Yield Q/ha.	171	189	205												
Assessment of Integrated Management of diamond Black Mouth in Cabbage and cauliflower.	Yield (q/ha.)	168	215	232	62000	65000	60000	134400	182750	208800	72400	117750	148800	2.16	2.81	3.48

Assessment of IDM Module for the management of Yellow mosaic disease in green gram	Disease Incidence (%)	-	-	-	In Progress
	Yield (Q/ha.)	-	-	-	

2.3 Details of OFT on Agriculture Engineering

KVK name	Year/Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Name of Technology used			Thematic Area	Crop/Enterprise Category	Crop/ enterprise	Farming Situations	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)		
					T1	T2	T3							FP (T_1)	RP (T_2)	T3	FP (T_1)	RP (T_2)	T3
SEHORE	Kharif 2018-19	Low Yield due to water logging and Drought	Assessment of FIRBS Machine in Soybean	Assessment	Convential Seed drill + Duck foot	Convential Seed drill without Duck foot	FIRBS Machine	Oilseed (Soybean)	Oilseed (Soybean)	Crop	Irrigated	10	10	9.06	12.20	14.33	11517	21733	27730

2.4 Economic Performance

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T_1)	RP (T_2)	(T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP(T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)
Assessment of FIRBS Machine in Soybean	No. of Plants/m^2	40.88	41.75	40.90	20185	20965	22430	31702	42698	50160	11517	21733	27730	1.57	2.00	2.23
	No. of Pods/ Plants	11.04	14.10	14.95												
	No. of seed/ cob	1.98	2.0	2.23												
	Test Weight (g)	101.4	103	105												
	Yield (Q/ha)	9.06	12.20	14.33												

Recommendations of OFTs

Recommendations		
Title of OFT	**For Farmers**	**For Deptt. Personnel**
Assessment of FIRBS Machine in Soybean		

2.5 Details of OFT on Animal Science – Nil

KVK name	Year/season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Name of Technology used			Thematic Area	Category of Enterprise	Name of Enterprise	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)		
					T1	T2	T3						FP (T_1)	RP (T_2)	T3	FP (T_1)	RP (T_2)	T3

Recommendations of OFTs – Nil

Recommendations		
Title of OFT	**For Farmers**	**For Deptt. Personnel**

2.6 Economic Performance – Nil

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T_1)	RP (T_2)	(T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP(T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)

2.7 Details of OFT on Fisheries - Nil

KVK Name	Year/ Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Name of Technology used			Thematic Area	Category of Enterprise	Name of Enterprise	Target	No. of trials	Results (with parameter)			Net Returns (Rs./ha)		
					T1	T2	T3						FP (T_1)	RP (T_2)	T3	FP (T_1)	RP (T_2)	T3

Recommendations of OFTs - Nil

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

2.8 Economic Performance - Nil

OFT Title	Parameters				Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	Name and unit of Parameter	FP (T_1)	RP (T_2)	(T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP(T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)

2.9 Details of OFT on Agriculture Extension - Nil

S.No	KVK Name	Season & Year	Problem identified	Title of OFT	Thematic Area	Name of Technology assessed	Source of Technology (Year)	Farmers Practice (T_1)	Assessed Rec. Practice (T_2)	Refined practice, if Any (T_3)	Variety	No. of Village	No. of Trials (Replication)

Recommendations of OFTs - Nil

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

2.10 Performance of OFT - Nil

KVK Name	Name of parameter			Data on the parameter			Result of assessment

2.11 Information about Home Science OFT: (For All Thematic Area) – Nil

KVK Name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations

2.11 (A) Economic Performance Home Science OFT: (For Drudgery Reduction) – Nil

KVK name	OFT Title					Performance Indicator / Parameter									
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

2.11(B) Economic Performance Home Science OFT: (For Income Generation) – Nil

KVK name	OFT Title	Performance Indicator / Parameter											
		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

2.11 (C) Economic Performance Home Science OFT: (For value addition) – Nil

KVK name	OFT Title	Performance Indicator / Parameter													
		Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

2.11(D) Economic Performance Home Science OFT: (For Nutritional security) – Nil

KVK name	OFT Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
		Name of vegetable/Fruit/Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		Increase in BMI (%)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

2.10 Feedback from KVK to Research System

Name of KVK	Feedback
SEHORE	- Need to develop short duration hybrid variety of Paddy crop. - Need to develop high yielding & frost resistant variety of chickpea. - Need to develop cropping system module of vegetable crops. - Need to develop INM module as per cropping system. - Need to develop to resistant variety of chilli against viral diseases. - Need to develop IPM module in major insect of vegetable crop. - Need to develop complex fertilizer as per crops.

3. Achievements of Frontline Demonstrations (FLD)

3.1. Follow-up for results of FLDs implemented during previous years 2017-18

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

KVK Name	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
SEHORE	Maize (Hybrid)	CMP	Improved Variety + Timely Plant Protection measure+ Nutrient Management	Demonstration, Farmers Training, Workshop, Sangoshti, Kisan Mela, Visit, Field day	2	100	75
SEHORE	Pigeonpea	CMP	Improved Variety + Seed treatment+ Nutrient Management as per STV+ Timely plant protection measures	Demonstration, Farmers Training, Workshop, Sangoshti, Kisan Mela, Visit, Field day	3	75	50
SEHORE	Wheat	CMP	Improved Variety HI-8713 (Pusa Mangal)+ Nutrient Management + Timely plant protection measures	Demonstration, Farmers Training, Workshop, Sangoshti, Kisan Mela, Visit, Field day	3	100	200
SEHORE	Green Gram	CMP	Improved Variety + Seed treatment+ Nutrient Management as per STV based+ Timely Plant protection measures	Demonstration, Farmers Training, Workshop, Sangoshti, Kisan Mela, Visit, Field day	2	75	60
SEHORE	Soybean, Wheat	INM	Demonstration of INM in Soybean & Wheat cropping system	Demostration, Farmer training, Sangoshti, Kisan Mela, Exposure Visit, Soil Health day etc.	05	100	60
SEHORE	Soybean	SFM	Demonstration of Nutrient management in Soybean Crop	Demostration, Farmer training, Sangoshti, Kisan Mela, Exposure Visit, Soil Health day etc.	10	250	190
SEHORE	Wheat	SFM	Demonstration Nutrient management in Wheat Crop	Demostration, Farmer training, Sangoshti, Kisan Mela, Exposure Visit, Soil Health day etc.	10	250	210
SEHORE	Garlic	INM	Demonstration of INM in Garlic crop	Demostration, Farmer training, Sangoshti, Kisan Mela, Exposure Visit, Soil Health day etc.	19	120	80
SEHORE	Soybean	PLP	Demonstration of IPM Module for the management of Girdle beetle and defoliators in soybean	Demonstration, Farmers training, Workshop, Krishak sangoshti, Kisan Mela, Exposure visit, Field day	53	630	720
SEHORE	Chilli	PLP	Demonstration of IDM Module for the	Demonstration, Farmers training, Workshop, Krishak	5	150	113

			management of leaf curl disease in chilli	sangoshti, Kisan Mela, Exposure visit, Field day			
SEHORE	Chickpea	PLP	Demonstration of IDM Module for the management of Wilt, Root rot, Collar Rot disease in chickpea	Demonstration, Farmers training, Workshop, Krishak sangoshti, Kisan Mela, Exposure visit, Field day	63	543	713
SEHORE	Onion	PLP	Demonstration of Imidacloprid 17.8 % SL for the management of Sucking pest in Rabi Onion	Demonstration, Farmers training, Workshop, Krishak sangoshti, Kisan Mela, Exposure visit, Field day	52	480	520
SEHORE	Cucurbits	H&VC	Spray of 100 ppm NAA at flowering stage in Cucrbits (Bitter gourd)	Demonstration, Farmers Training, Workshop, Sangoshti, Kisan Mela, Visit, Field day	45	220	480
SEHORE	Okra- Spinach-Onion	H&VC	Demonstration of Cropping System Okra – Spinach – Onion	Demonstration, Farmers Training, Workshop, Sangoshti, Kisan Mela, Visit, Field day	28	220	80
SEHORE	Vegetable	HOV	Demonstration of Plug Tray for raising healthy seedlings	Demonstration, Farmers Training, Workshop, Sangoshti, Kisan Mela, Visit, Field day	52	280	65
SEHORE	Kitchen Garden	H&VC	Demonstration on Kitchen gardening in Backyard for nutritional and Livelihood security	Demonstration, Farmers Training, Workshop, Sangoshti, Kisan Mela, Visit, Field day	20	205	40
SEHORE	Garlic	H&VC	Demonstration of improved variety Garlic G-282	Demonstration, Farmers Training, Workshop, Sangoshti, Kisan Mela, Visit, Field day	104	795	55

3.2 Details of FLDs on Crop to be implemented during 2018-19

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T_1)	RP (T_2)		SC	ST	Others	General	Total
SEHORE	2017-18	Zaid	CMP	Production Technology of Summer Green Gram	Green Gram	Improved Variety Sikha+ Seed Treatment + Nutrient Management as per STV+ Timely weed management and Plant Protection	2.0	8.42	13.20	36%	1	-	4	-	5
SEHORE	2017-18	Rabi	PLP	Demonstration of Imidacloprid 17.8 % SL for the management of Sucking pest in Rabi Onion	Onion	Variety - AFLR (Agri Found Light Red)	2.0	214.30	251.60	14.82%	2	-	8	-	10
SEHORE	2018-19	Kharif	SFM	Demonstration of Recommended dose of Plant nutrient as per STV (20:60:20:20 kg NPK & S) + Seed inoculation with Rhizobium &PSB 5-5 g/kg seed each in Soybean Crop	Soybean	JS-9560	4.0	12.86	15.71	22%	2	1	5	2	10
SEHORE	2018-19	Kharif	INM	Demonstration of Application of 5ton FYM+ 50 % recommended dose of Plant Nutrient i.e. 20:60:20:20 kg/ha. NPK & S + Seed inoculation with Rhizobium & PSB 5.5 g/kg seed in Soybean & 75% recommended dose of plant nutrient 120:60:40::5.25 NPK & Zn+ Seed inoculation with Azotoactor & PSB 5.5 g/kg seed in wheat Crop	Soybean	JS-9560	2.0	12.50	14.24	13.92%	01	-	4	-	5
					Wheat	HI-1544	2.0	41.39	46.86	13.21%	01	-	4	-	5

SEHORE	2018-19	Kharif	PLP	Demonstration of IPM Module for the management of Girdle beetle and defoliators in soybean	Soybean	JS-9560	4.0	12.45	16.86	26.15%	-	-	9	1	10
SEHORE	2018-19	Kharif	PLP	Demonstration of IDM Module for the management of leaf curl disease in chilli	Chilli	Hybrid Chilli	2.0	126.7	145.2	12.74%	-	-	8	2	10
SEHORE	2018-19	Kharif	CMP	Demonstration of Production technology of Pigeon Pea	Pigeon Pea	Improved Variety TJT 501 + Seed Treatment Carbendazim+ mencozeb 3g/kg Seed+ Nutrient management of STV	4.0	9.20	12.47	26%	4	-	6	-	10
SEHORE	2018-19	Kharif	CMP	Demonstration of Production technology of Hybrid maize	Maize	Use of Hybrid Variety INDAM-1122 + Azatobactor+ PSB culture @ 5g/kg seed+ Nutrient management as per STV+ Timely weed management	4.0	5.18	58.54	14%	3	5	2	-	10
SEHORE	2018-19	Kharif	CMP	Demonstration of IWM in Paddy	Paddy	Application of Pretilahlor + Bensulfuron 10 kg/ha at transplanting	4.0	37.56	48.24	22%	-	2	8	-	10
SEHORE	2018-19	Kharif	H&VC	Demonstration of cropping system (Okra- Spinach – Onion)	Okra Spinach Onion	Hybrid	0.5	Cropping intensity 200	Cropping intensity 300	50	-	-	4	1	05
SEHORE	2018-19	Kharif & Rabi	H&VC	Demonstration of plug tray & medium far raising healthy vegetable seedlings	Vegetable	Hybrid	1.0	Mortality 6.53	Mortality1.10	16.8	2	-	6	2	10
SEHORE	2018-19	Rabu	CMP	Demonstration of Weed Management in Wheat	Wheat	Application of Metsulfuron + Clodinofop ai @64g/ha at 25-30 DAS	4.0	45.83	52.22	12%	2	-	8	-	10
SEHORE	2018-19	Rabi	CMP	Demonstration of Wheat Variety HI-8713 under irrigated	Wheat	HI 8713 (Pusa Mangal	4.0	49.35	59.81	17%	2	2	5	1	10
SEHORE	2018-19	Rabi	CMP	Demonstration of Wheat Variety HI-8663 (Poushan) under Nutritional Security	Wheat	HI-8663 (Poushan)	4.0	89.98	48.07	17%	2	-	8	-	10
SEHORE	2018-19	Rabi	SFM	Demonstration of STCR in Wheat Crop (Targeted yield 50 q/ha) + Seed inoculation with Azotobactor & PSB	Wheat	HI-8713	4.0	44.10	51.05	15.75	1	1	5	3	10
SEHORE	2018-19	Rabi	INM	Demonstration of Integrated Nutrient Management in Garlic (75:40:40:40 NPK & S Kg/ha) as per STV along with 15 ton FYM/ha	Garlic	G-282	1.0	64.85	78.36	19.73%	2	-	8	-	10
SEHORE	2018-19	Rabi	PLP	Demonstration of IDM Module for the management of Wilt, Root rot, Collar Rot disease in chickpea	Chickpea	JAKI-9218	4.0	16.03	21.27	24.63%	3	-	6	1	10
SEHORE	2018-19	Kharif & Rabi	H&VC	Demonstration of Black Plastic Mulch in Vegetables crop (25 Micron)	Vegetable	Hybrid	1.0	535	670	25	1	-	4	-	5
SEHORE	2018-19	Kharif, Rabi & Zaid	H&VC	Demonstration on Kitchen gardening in Backyard for nutritional and Livelihood security	Vegetable	Hybrid	0.75	Annual 173 kg	Annual 315 kg	82	5	5	30	10	50
SEHORE	2018-19	Rabi	H&VC	Demonstration of improved variety Garlic G-282	Garlic	G-282	1.0	84.0	96.0	14	1	-	3	1	5
SEHORE	2018-19	Zaid	CMP	Production Technology of Summer Green Gram	Green Gram	Improved Variety Sikha	2.0	In Progress			-	-	-	-	5
SEHORE	2018-19	Rabi	PLP	Demonstration of Imidacloprid 17.8 % SL for the management of Sucking pest in Rabi Onion	Onion	Variety - AFLR (Agri Found Light Red)	2.0	In Progress			2	-	-	8	10

3.3 Economic Impact of FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)
SEHORE	Use of Improved Variety Sikha+ Seed Treatment with carboxin+ Thirum 3g/kg seed + Rhizobium 8 PSB culture @ 5g/kg seed + Nutrient managemen as per STV+ Timely weed management and plant protection measures	Green Gram	No. of Plants/m^2	27.92	28.93.	19176	20382	46328	72578	27151	52196	2.41	3.54
			No. of Pods/ Plants	15.95	17.95								
			No. of seed/ pod	5.62	7.08								
			Test Weight (g)	33.64	35.89								
			Yield (Q/ha)	8.42	13.20								
SEHORE	Demonstration of Imidacloprid 17.8 % SL for the management of Sucking pest in Rabi Onion	Onion	Insect infestation %	11.44	2.91	54220	58710	171440	201280	117220	142570	3.16	3.43
			Yield (q/ha)	214.30	251.60								
SEHORE	Demonstration of IPM Module for the management of Girdle beetle and defoliators in soybean	Soybean	Insect infestation %	8.96	2.17	24150	26070	39852.8	53961.6	15702.8	27891.6	1.62	2.07
			Yield (q/ha)	12.45	16.86								
SEHORE	Demonstration of IDM Module for the management of leaf curl disease in chilli	Chilli	Disease Incidence %	15.56	3.34	79007	84931	253400	290400	174393	205469	3.21	3.42
			Yield (q/ha)	126.7	145.2								
SEHORE	Demonstration of Recommended dose of Plant nutrient as per STV (20:60:20:20 kg NPK & S) + Seed inoculation with Rhizobium &PSB 5-5 g/kg seed each in Soybean Crop	Soybean	No. of Pods/ Plants	17.18	17.95	20305	22055	42443.77	51857.13	22138.77	29802.13	2.09	2.35
			No. of grain/pod	1.92	2.22								
			Test Weight (g)	97.36	98.46								
			Yield (Q/ha.)	12.86	15.71								
SEHORE	Demonstration of Application of 5ton FYM+ 50 % recommended dose of Plant Nutrient i.e. 20:60:20:20 kg/ha. NPK & S + Seed inoculation with Rhizobium & PSB 5.5 g/kg seed in Soybean & 75% recommended dose of plant nutrient 120:60:40::5.25 NPK & Zn+ Seed inoculation with Azotoactor & PSB 5.5 g/kg seed in wheat Crop	Soybean	No. of Pods/ Plants	16.96	17.30	20560	21990	40899	46480	20339	24490	1.99	2.11
			No. of grain/pod	1.89	2.09								
			Test Weight (g)	97.30	98.20								
		Wheat	No. of effective tillers/m^2	5.07	5.53	28500	28700	74503.88	83348.47	46003.88	55648.47	2.61	2.94
			Grain/ear	41.25	41.55								
			Test weight (g.)	45.60	47.00								
SEHORE	Demonstration of Production technology of Pigeon Pea	Pigeon Pea	No. of Plants/m^2	7.67	74.90	20807	21690	36798	49877	17830	30680	1.76	2.29
			No. of Pods/ Plants	38.90	44.80								
			No. of seed/ pod	3.90	4.07								

			Test Weight (g)	79.40	86.04								
			Yield (Q/ha)	9.20	12.47								
SEHORE	Demonstration of Production technology of Hybrid maize	Maize	No. of Plants/m^2	6.14	6.10	25874	26436	75274	87803	49400	61367	2.91	3.32
			No. of Cobs/ Plants	1.0	1.12								
			No. of seed/ cob	325	338								
			Test Weight (g)	251	253								
			Yield (Q/ha)	50.18	58.54								
SEHORE	Demonstration of IWM in Paddy	Paddy	Weed Density/m^2	6.61	2.13	32150	32650	101423	130258	69273	97608	3.15	3.80
			No. of Plants/ m^2	40.82	41.15								
			No. of Effictive Tillers/Plants	5.32	6.06								
			No. of Kernel/Ear	90.0	98.60								
			Test Weight (g)	19.21	19.65								
			Yield (Q/ha)	37.56	48.24								
SEHORE	Demonstration of Weed Management in Wheat	Wheat	Weed Density/m^2	8.68	4.98	25572	25448	91657	104443	66084	78995	3.59	3.99
			No. of Plants/ m^2	45.34	44.59								
			No. of Effictive Tillers/Plants	4.99	5.56								
			No. of Kernel/Ear	44.20	45.20								
			Test Weight (g)	45.80	46.58								
			Yield (Q/ha)	45.83	52.22								
SEHORE	Demonstraion of HI 8713 (Pusa Mangal	Wheat	No. of Plants/m^2	44.11	43.45	25465	25865	98706	119618	73241	93753	2.88	3.62
			No. of Effictive Tillers/Plants	5.84	6.35								
			No. of Kernel/Ear	44.39	46.50								
			Test Weight (g)	45.99	46.67								
			Yield (Q/ha)	49.35	59.81								
SEHORE	Demonstration of HI-8663 (Poushan) wheat variety under nutritional security	Wheat	No. of Plants/m^2	44.84	44.09	25397	25598	79959	96142	54561	70544	2.15	2.76
			No. of Effictive Tillers/Plants	4.69	5.36								
			No. of Kernel/Ear	43.45	44.51								
			Test Weight (g)	43.70	45.70								
			Yield (Q/ha)	39.98	48.07								
SEHORE	Demonstration of IDM Module for the management of Wilt, Root rot, Collar Rot disease in chickpea	Chickpea	Disease Incidence %	11.77	4.04	22590	24660	72135	95715	49545	71055	3.20	3.88
			Yield (q/ha)	16.03	21.27								
SEHORE	Demonstration of STCR in Wheat Crop (Targeted yield 50 q/ha) + Seed inoculation with Azotobactor & PSB	Wheat	No. of effective tillers/plant	5.15	5.79	26965	29525	79631.77	95142.73	52666.77	65617.13	2.95	3.22
			No. of grain/ear	43.25	43.56								
			Test weight (g.)	45	46								
			Yield (Q/ha.)	44.10	51.05								

SEHORE	Demonstration of Integrated Nutrient Management in Garlic (75:40:40:40 NPK & S Kg/ha) as per STV along with 15 ton FYM/ha	Garlic	No. of clove/bulb	17.53	18.8	77320	80920	194551.97	235103.02	117232	154183	2.52	2.91
			100 clove weight (g.)	56.92	64.14								
			Yield (Q/ha.)	64.85	78.36								
SEHORE	Demonstration of plug tray & medium far raising healthy vegetable seedlings	Vegetable	Mortality %	6.53	1.10	85000	92000	240000	275000	155000	183000	2.82	2.98
			Increase change	-	16.8								
SEHORE	Demonstration on Kitchen gardening in Backyard for nutritional and Livelihood security	Vegetable	Annual yield	173 kg.	315 kg.	-	-	-	-	-	-	-	-
SEHORE	Demonstration of cropping system (Okra- Spinach – Onion)	Okra Spinach Onion	Cropping intensity	200	300	113000	142000	263000	317000	150000	205000	2.32	2.53
SEHORE	Demonstration of improved variety Garlic G-282	Garlic	Yield (q/ha.)	84.0	96.0	93000	98000	210000	240000	117000	142000	2.25	2.40
SEHORE	Demonstration of Black Plastic Mulch in Vegetables crop (25 Micron)	Vegetable	Yield (q/ha.)	535	670	115000	145000	321000	469000	206000	324000	2.76	3.23
SEHORE	Demonstration of Imidacloprid 17.8 % SL for the management of Sucking pest in Rabi Onion	Onion	Insect infestation %	In Progress									

3.4 Details of FLDs on Agriculture Engineering to be implemented during 2018-19- Nil

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T_1)	RP (T_2)		SC	ST	Others	General	Total

3.5 Economic Impact of FLD - Nil

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)

3.6 Details of FLDs on Animal Science to be implemented during 2018-19 - - Nil

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T_1)	RP (T_2)		SC	ST	Others	General	Total

3.7 Economic Impact of FLD - Nil

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)

3.8 Details of FLDs on Fishery to be implemented during 2018-19 - Nil

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T_1)	RP (T_2)		SC	ST	Others	General	Total

3.9 Economic Impact of FLD - Nil

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)

3.10 Details of FLDs on Agriculture Extension to be implemented during 2018-19 - Nil

KVK Name	Season & Year	Problem identified	Title	Thematic Area	Source of Technology (Year)	Detail of Technology Demonstrated	Area (ha)	FP (T_1)	RP (T_2)	Variety	No. of Village	No of Demonstration	No. of farmers				
													SC	ST	Others	General	Total

3.11 Impact of FLD - Nil

KVK Name	Name of parameter			Data on the parameter			Result	Feedback from the farmer
	1	2	3	1	2	3		

3.12 Information about Home Science FLDs - (For All Thematic Area)

KVK name	Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/Technology/Entreprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries
SEHORE	2018-19	Kharif, Rabi & Zaid	H&VC	Kitchen Garden in Backyard	Demonstration on Kitchen gardening in Backyard for nutritional and Livelihood security	Vegetable	Hybrid	Irrigated	0.6	50
SEHORE	2018-19	-	WOE	Lack of Awareness regarding Soya products	Value added Soya products for Nutritional Security	-	Soya Product	--	--	50

3.12 (A) Economic Performance Home Science FLD: (For Drudgery Reduction)- Nil

KVK name	OFT Title	Performance Indicator / Parameter													
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.12 (B) Economic Performance Home Science FLD: (For Income Genration) - Nil

KVK name	OFT Title	Performance Indicator / Parameter											
		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

3.12 (C) Economic Performance Home Science FLD: (For value addition) - Nil

KVK name	OFT Title	Performance Indicator / Parameter													
		Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

3.12 (D) Economic Performance Home Science FLD: (For Nutritional security)

KVK name	FLD Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
		Name of vegetable/Fruit/Product				Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		Increase in BMI (%)	
		T1		T2		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
SEHORE	Value Added Soya Products for Nutritional Security	Wheat Flour		Soya Flour & Soya Nuts		245.8	255.8	646.8	699.2	19.73	25.46	5.8	10.49	90.62	116.56	49.76	51.25	154.61	154.99	20.79	21.31
SEHORE	Demonstration on Kitchen gardening in Backyard for nutritional and Livelihood security	Vegetable		Annual yield		173 kg.	315 kg.	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.13 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
SEHORE	Pigeon Pea	Farmers Training	1	25	-
		Field Day	1	29	-
SEHORE	Maize	Farmers Training	1	25	-
SEHORE		Field Day	1	38	-
SEHORE	Paddy	Farmers Training	1	25	-
SEHORE		Field Day	1	20	-
SEHORE	Wheat	Farmers Training	3	75	-
SEHORE		Field Day	3	96	-
SEHORE	Green Gram	Farmers Training	1	25	-
SEHORE		Field Day	-	-	-
SEHORE	Soybean, Wheat Cropping system	Farmers Training	03	75	June & Oct 2018
SEHORE		Field Day	02	67	Oct 2018
SEHORE		Media Coverage	01	-	-
SEHORE		Training for Extension Functionaries	-	25	June 2018
SEHORE	Soybean	Farmers Training	01	25	June 2018
SEHORE		Field Day	01	41	Oct 2018
SEHORE		Media Coverage	01	-	-
SEHORE		Training for Extension Functionaries	01	25	-
SEHORE	Wheat	Farmers Training	01	50	Oct 2018
SEHORE		Field Day	01	30	Feb 2019
SEHORE		Media Coverage	01	-	-
SEHORE		Training for Extension Functionaries	01	25	Oct 2018
SEHORE	Garlic	Farmers Training	01	25	Oct 2018
SEHORE		Field Day	01	30	March 2019
SEHORE		Media Coverage	01	-	-
SEHORE		Training for Extension Functionaries	01	25	Oct 2018
SEHORE	Soybean	Farmers Training	01	25	-
SEHORE		Field Day	01	40	-
SEHORE		Training for Extension Functionaries	01	21	-
SEHORE	Chilli	Farmers Training	01	25	-
SEHORE		Field Day	01	30	-
SEHORE	Chickpea	Farmers Training	01	25	-
SEHORE		Field Day	01	21	-
SEHORE		Training for Extension Functionaries	01	40	-
SEHORE	Onion	Farmers Training	01	25	-
SEHORE		Field Day	01	25	-
SEHORE	Soya Product	Field Day	02	70	-
SEHORE		Farm women Training	02	45	-
SEHORE	Cropping system Okra- Spinach- Onion	Farmers Training	01	25	-
SEHORE		Field Day	01	21	-
SEHORE		Training for Extension Functionaries	01	40	-

SEHORE	Kitchen Garden	Farm Women Training	01	100	-
SEHORE		Field Day	02	104	-
SEHORE		Training for Extension Functionaries	01	40	-
SEHORE	Garlic	Farmers Training	01	25	-
SEHORE		Field Day	01	42	-
SEHORE		Extension Activities Others	01	45	-

3.14 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
1.	SEHORE	Maize	INDAM- 1122	Firm (Private)	10	4.0

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	**Methodology used**	**Benefits of OFT/FLD**	**Future Adoption**
SEHORE	During the PRA it was found that farmers are growing only okra & onion crop. However the resource available with the farmers are fit for growing three crops Okra, Spinich & Onion.	Selected vegetables growing farmers and proper layout of demo. was and as per crop schedule farmers were provided seed of good quality.	Cropping intensity increased by 200% to 300% and % change was found 25%	Technology found best for vegetable growers increase 25% in met income realized by farmers and good chances for adoption.
SEHORE	Farmers are growing seedling on flate beds without line sowing which resulted high mortality and unhealthy seedling. Pro Tray provided to farmers 10 No. each for seedling production.	Identified & selected those farmers which growing seedlings. Pro tray was provided 10 No. of each farmers selected under demo.. They were trained on the technical aspect of pro tray seedling technology.	There was only 1.6% mortality in pro tray as compared F.P. (6.31%) 10.6% increase in yield was also found.	Technology found best for vegetable growers. They found less mortality and healthy seedling in pro tray. They found satisfy for adoption
SEHORE	Farmers growing traditional vegetables in there back yard in haphazard manner with limited vegetables scientific module of Kitchen gardening was finalized under demo. for increasing in their daily diet.	Farmers were selected under demo. who had a piece of land near by their home for Kitchen gardening farmers were provided by quality seeds of seasonal vegetables.	Under demo. 224.9 Kg vegetable was found as compare to F.P. (120.7Kg.). 47% change in yield was found with increase in availability of vegetable per day.	Technology was found convenient easy to understand. The results attracted to farmers for future adoption
SEHORE	No use of PGR by the farmers in vegetable production. Cucurbits are very sensitive by hormones growth regulators spray of NAA 100 PPM in Bitter gourd crop was done at flowering stage	Selected farmers those growing cucurbits in summer season and loosing yield. Spraying of 100 PPM NAA was done at flowering stage in 10 Nos. Of farmers field	Under demonstrations 98 q/ha. yield was found as compared to F.P. (90.10 q/ha.). Change of 8.25% was found in demonstration	Technology found easy to adopt NAA is easily available in local market.
SEHORE	No use of Bio fertilizer & organic manure in Soybean- Wheat cropping system and depend on only chemical fertilizer	Selected farmers trained and involved in every activity conducted under FLDs for use of organic manure , fertilizer and bio fertilizer, balance nutrient as per STV	Under demo. found 14.40 q./ha. in soybean crop and 45.7 q./ha in wheat crop compared to FP 12.32 q./ha. in soybean crop and 40.80 q./ha. in wheat crop.	Technology found the best for micro level situation Soybean- Wheat cropping system

SEHORE	Farmers are grown soybean is major crop in Kharif Season. Low Yield of Soybean crop due to no use of Biofertilizer and imbalance & Plant Nutrient.	Selected farmer trained for use of recommended plant nutrient as per STV basis	Under demo. found 14.82 q./ha. in soybean crop as compared to FP 12.32 q./ha. in soybean crop and 16.32 % yield increase due to balance use of Fertilizer as per STV.	Technology found best for Soybean growers and increase yield and income, So good chance for adoption.
SEHORE	Farmer are grown wheat in major crop in rabi season. Low yield of wheat crop due to imbalance of plant nutrient & poor fertilizer application system.	Selected farmer trained for use & recommended dose of fertilizer as per STV basis and fertilizer application as per Plant required.	Under Demo. found 18.79% yield increase due to STCR based fertilizer application as per plant required.	Technology found best for irrigated wheat growers and increase yield and income so good chance for adoption.
SEHORE	Production technology of Pigeon pea	Farmers training, individual contact, group meeting & field day	Easrly mature than other variety and higher yield	Yes
SEHORE	Production technology of Hybrid Maize	Farmers training, individual contact, group meeting & field day	Higher production and Early than other hybrids	Yes
SEHORE	Demonstration of IWM Module in Paddy	Farmers training, individual contact, group meeting & field day	Technology as appropriate and higher yield and net return	Yes
SEHORE	Demonstration of Weed management in Wheat	Farmers training, individual contact, group meeting & field day	Higher yield obtained because yield attributed is higher	Yes
SEHORE	Demonstration of HI-8663 (Poshan) Wheat Variety under Nutritional Security.	Farmers training, individual contact, group meeting & field day	Higher yield and Temperature tolerant variety	Yes
SEHORE	Production technology of Summer green gram	Farmers training, individual contact, group meeting & field day	Higher yield and Net return and Early maturity YVM Resistance variety	Yes
SEHORE	Technology tested under OFT/FLD are found appropriate with farmers practice and recommended for micro level situation	Need based resource available with farmers assessment and demonstration. The technology compare with farmers practice during assessment and demonstration farmers are invoke.	Assessment/ Demonstration technologies are given higher return than the farmers practice	Farmers are observe yield attribute parameter & return from per unit of assessment/ Demonstration technology compare with farmers practice they realize these technology useful/ economically convenient with future adoption.

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
SEHORE	- Need to develop short duration hybrid variety of Pigeon pea & Paddy crop. - Need to develop INM module as per cropping system. - Need to develop water soluble complex fertilizer as per crop for foliar spray. - Need to develop to resistant variety against disease & insect. - Need to develop IPM module in major insect of vegetable crop. - Integrated Weed Management in Paddy Crop—Technology is appropriate Weeder needs to be motorized. - Integrated Weed Management in Paddy Crop—Technology is appropriate - Integrated Weed Management in Wheat Crop—Technology is appropriate Paddy crop Residue incorporation is a problem. - Assessment of wheat variety of HI 8713 (Pusa Mangal) – Technology is appropriate but being durum not much appealing to Bread wheat farmers. - Need to develop dual purpose breed for back yard poultry. - Need to develop cropping system regarding round the year green fodder production.

4. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
SEHORE	Farmers & Farm Women	PRA, SAC Meeting, Field Visit, Diagnostic Visit, Farmers Workshop	It is continuous process to assess the need in current year & incorporation of need in next year action plan	PRA – 100 SAC Meeting - 30 Field Visit & Diagnostic Visit - 5-10 in each visit Farmers workshop - 100 Group discussion - 15- 20 Field day – 30-50 in each filed day
SEHORE	Rural Youth	PRA, SAC Meeting, Interface.	It is continuous process to assess the need in current year & incorporation of need in next year action plan	PRA – 100 SAC Meeting - 30 Field Visit & Diagnostic Visit - 5-10 in each visit Farmers workshop - 100 Group discussion - 15- 20
SEHORE	Vocational Training	PRA, SAC Meeting, Interface	It is continuous process to assess the need in current year & incorporation of need in next year action plan	PRA – 100 SAC Meeting - 30 Farmers workshop - 100 Group discussion - 15- 20
SEHORE	Extension Personal	SAC Meeting, Field Visit, monthly workshop, interface.	It is continuous process to assess the need in current year & incorporation of need in next year action plan	SAC Meeting - 30 Field Visit & Diagnostic Visit - 5-10 in each visit Interface – 25-30 In-service Training - 20 – 25

5. TRAINING PROGRAMMES

1. Training programmes should be strictly covered under above mentioned thematic areas only

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Name of KVK	Category (F &FW/FW)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
SEHORE	FT	OFC	CMP	Production Technology of Soybean and Pigeon Pea	2	1	-	-	7	-	-	-	18	-
SEHORE	FT	OFC	CMP	Production Technology of Hybrid	1	1	6	-	7	-	4	-	8	-
SEHORE	FT	OFC	CMP	Improved technologies for reduction of Cost of cultivation	2	1	17	-	-	-	-	-	8	-
SEHORE	FWT	OFC	CMP	Women Friendly weeding equipment and their Operation	1	1	-	22	-	1	-	2	-	-
SEHORE	FT	OFC	CMP	Integrated weed management in Paddy	2	1	4	-	-	-	-	-	21	-
SEHORE	FT	OFC	CMP	Production Technology of Wheat and Chickpea	2	1	17	-	1	-	-	-	17	-
SEHORE	FWT	OFC	CMP	Nutritional security through Carotin rich Durum Wheat	2	2	-	-	-	25	-	5	-	20
SEHORE	FT	OFC	CMP	Weed management in Wheat	1	1	-	-	2	-	3	-	20	-
SEHORE	FT	OFC	CMP	Production technology of Summer Green Gram	1	1	-	-	3	-	9	-	13	-
SEHORE	FT	OFC	SFM	Importance of Soil Testing & Collection of Soil sample	2	1	14	-	-	-	-	-	11	-

SEHORE	FT	OFC	SFM	Integrated Nutrient Management in Kharif Crop	2	1	2	-	4	-	-	-	19	-
SEHORE	FT	OFF	SFM	INM in Soybean Wheat Cropping System	2	1	-	-	3	-	-	-	23	-
SEHORE	FT	OFF	SFM	Micro Nutrient deficiency symptoms & management	1	1	2	-	1	-	-	-	22	-
SEHORE	FWT	OFF	SFM	Importance & use of Liquid Bio fertilizer in Field Crop	1	1	-	-	-	7	-	-	-	18
SEHORE	FWT	OFF	SFM	INM in vegetable Crop	1	1	-	-	-	12	-	-	-	13
SEHORE	FT	ONC	SFM	Nutrient Management in Rabi Crops	2	1	2	-	4	-	-	-	19	-
SEHORE	FT	ONC	SFM	Nutrient Management in Rabi crops	1	1	3	-	3	-	-	-	19	-
SEHORE	FWT	OFF	SFM	Soil Fertilizer Management through composting	1	1	-	-	-	6	-	6	-	13
SEHORE	FY	ONC	SFM	Enhancement of Fertilizer use efficiency in field crop	1	1	2	-	-	2	-	-	21	-
SEHORE	FW	OFC	PLP	Nursery Management in Vegetable crop	1	1	-	-	-	1	-	-	-	24
SEHORE	FW	OFC	PLP	Management of Store grain pest	1	1	-	-	-	17	-	-	-	8
SEHORE	FT	OFC	PLP	Importance & Methods of Seed treatment	1	1	-	-	4	-	-	-	-	21
SEHORE	FT	OFC	PLP	IPM in cucurbits crop	1	1	-	-	1	-	-	-	-	24
SEHORE	FT	OFC	PLP	INM in Soybean Crop for the management of Girdle beetle & defoliators	1	1	-	-	3	-	-	-	-	22
SEHORE	FT	OFC	PLP	Plant Protection issues in Kharif crop	3	1	-	-	-	-	-	-	-	25
SEHORE	FT	OFC	PLP	Importance & use of Bio/ Botanical pesticides in vegetable crops	1	1	-	-	2	-	-	-	-	23
SEHORE	FT	ONC	PLP	Management of sucking pest in Onion & Garlic	1	1	-	-	-	-	-	-	-	25
SEHORE	FT	OFC	PLP	Management of Yellow Mosaic in Green Gram	1	1	-	-	1	-	8	-	-	16
SEHORE	FW	ONC	HOF	Plantation Techniques of fruits plant & Promising varieties	01	01	-	-	3	-	2	-	20	-
SEHORE	FW	ONC	HOV	Package & Practices of Kharif Onion	01	01	-	-	2	-	2	-	21	-
SEHORE	FT	OFF	HOV	Production Organic vegetables for better health	01	01	-	-	5	-	-	-	25	-
SEHORE	FW	OFF	HOV	Kitchen Gardening in Backyard	01	01	-	-	-	3	-	3	-	24
SEHORE	FT	OFF	HOV	Plug Tray for raising healthy seedlings	01	01	-	-	-	2	-	1	-	22
SEHORE	FW	OFF	HOV	Women Friendly tools for vegetables growing	01	01	-	-	-	3	-	2	-	25
SEHORE	FT	OFF	HOF	Package & Practices of Tomato & Chilli (Hybrid)	01	01	-	-	3	-	2	-	20	-
SEHORE	FT	OFF	HOV	Kitchen Gardening	01	01	-	-	-	3	-	3	-	22
SEHORE	FW	OFC	WOE	Health and Hygiene of Farm Women and their houses	03	01	-	1	-	21	-	7	-	41
SEHORE	FW	OFC	WOE	Nutritional value of available foods	1	1	-	-	-	-	-	-	-	25
SEHORE	FW	OFC	WOE	Kitchen Gardening for Nutritional security	1	1	-	1	-	3	-	5	-	11
SEHORE	FW	ONC	WOE	Weeding operation for drudgery reduction in vegetable crop	1	1	-	19	-	1	-	-	-	-
SEHORE	FW	OFC	WOE	Paper bags and cloth bags Making	1	1	-	5	-	15	-	-	-	-
SEHORE	FW	OFC	WOE	Preservation of Seasonal Fruits and Vegetables	2	1	-	-	-	7	-	7	-	36
SEHORE	FW	ONC	WOE	Value Addition in Seasonal Crop	2	1	-	-	-	12	-	20	-	13

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Name of KVK	Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
SEHORE	RY	OFC	CRP	01	01	-	-	2	-	-	-	23	-
SEHORE	RY	ONC	AEG	02	02	-	-	03	-	-	-	22	-
SEHORE	RY	ONC	PLP	01	01	-	-	02	-	01	-	-	22
SEHORE	RY	ONC	PLP	03	01	-	-	01	-	-	-	-	24
SEHORE	RY	OFC	PLP	02	01	-	-	03	-	-	-	-	22

SEHORE	RY	ONC	PLP	02	01	-	-	01	-	-	-	-	24
SEHORE	RY	ONC	SFM	02	01	02	-	02	-	02	-	19	-
SEHORE	RY	ONC	SFM	02	01	-	-	03	-	09	-	13	-
SEHORE	RY	OFC	WOE	02	01	-	02	-	18	-	-	-	25
SEHORE	RY	OFC	WOE	01	02	-	-	-	01	-	-	-	24
SEHORE	RY	ONC	IFS	01	02	-	-	6	-	4	-	40	-
SEHORE	RY	ONC	HOF	01	02	-	-	2	-	2	-	21	-
SEHORE	RY	ONC	HOV	01	01	-	-	3	-	2	-	20	-

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Name of KVK	Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
SEHORE	IS	ONC	CRP	02	01	-	-	--	-	-	-	24	-
SEHORE	IS	ONC	SFM	01	01	30	-	-	-	-	-	-	-
SEHORE	IS	ONC	SFM	01	01	24	-	-	-	-	-	-	-
SEHORE	IS	ONC	PLP	04	01	-	-	-	-	-	-	21	-
SEHORE	IS	ONC	PLP	04	01	-	-	-	-	-	-	21	-
SEHORE	IS	ONC	WOE	01	01	-	10	-	14	-	04	-	22
SEHORE	IS	ONC	WOE	01	01	-	02	-	03	-	02	-	18
SEHORE	IS	ONC	HOV	01	01	-	-	-	-	-	-	-	30
SEHORE	IS	ONC	HOV	01	02	-	-	-	-	-	-	15	5
SEHORE	IS	ONC	H&VC	01	01	-	-	-	-	-	-	15	5
SEHORE	IS	ONC	IFS	01	01	-	-	-	-	-	-	15	5

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Name of KVK	Thematic Area	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
SEHORE	CRP	Seed Production and Marketing	Enterprise	Introduction of Recommended improved varieties	05	05	03	-	-	-	-	-	12	-
SEHORE	PLP	Mushroom Production Technology	Enterprise	Income Enhance	05	05	-	-	-	-	-	-	15	-
SEHORE	PLP	Bee Keeping	Enterprise	Income Enhance	05	05	-	-	3	-	-	-	17	-
SEHORE	WOE	Skill Development for Craft Material	Enterprise	Income Genertation	01	05	-	03	-	04	-	-	-	13
SEHORE	WOE	Value Addition, Preservation and Storage of Foods	Enterprise	Nutritional Security	01	05	-	01	-	08	-	-	-	11
SEHORE	HOF	High Tech Horticulture	Enterprise	Income Enhance	01	01			4	-	2	-	14	-

Table 5.5. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
SEHORE	Farmers Training WDRA Awareness Programme	PLP	Farmers Training	FW	01	01	5	-	37	-	5	-	3	-	WDRA, New Delhi	50,500.00
SEHORE	Staff Training under MAPWA	WOE	Staff Training	IS	02	04	5	-	25	-	-	-	-	-	Agri. Dept. Sehore (M.P.)	20,000.00
SEHORE	Farmer Training on Safe & Judicious use of Pesticides	PLP	Farmers Training	FW	01	01	10	06	282	10	34	-	8	-	HIL, (India) Limited, Bhopal	1,66,000.00

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs – Nil

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
SEHORE	-	-	-	-	-

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
SEHORE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 5.8 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	
SEHORE	Production Technology of Hybrid Maize	25	15	35	45-5	55-60	49400	61367	**1**. 25ha **2**.35 **3**.(i)57% (ii) 17% (iii) 19.5%
SEHORE	Production Technology of Wheat	25	20	40	48-52	58-60	73241	93753	**1**.50ha **2.**100 **3.** (i)50% (ii) 18% (iii)21%
SEHORE	Calculation of herbicides and its preparation	25	10	30	12	14	12000	14000	**1**. 20ha **2**.40 **3**.(i)66% (ii)14% (iii) 14%
SEHORE	Nutritional Security through Durum Wheat	25	10	20	-	-	-	-	**3**. (i)50%
SEHORE	Seed Production & Marketing	15	10	30	-	-	-	-	**3**. (i) 66%

SEHORE	Importance of Soil Testing collection of soil sample	25	3	7	-	-	-	-	Farmer adopted this technology result for balance use of Fertilizer & Increase yield.
SEHORE	Integrated nutrient management in Kharif Crop	25	3	6	12.50	14.24	20339	24490	13.92 % more yield was found in Soybean crop
SEHORE	Fertilizer Application as per soil test value	25	3	6	12.86	15.71	22138	29802	Result are balance use of Fertilizer & reduce input cost.
SEHORE	Nutrient Management in Rabi Crop	24	4	7	44.10	51.05	52666	65617	15.75% more yield was found in wheat crop
SEHORE	Mushroom Production	15	-	33.	33.33	-	-	-	**2**. 10 **3**. (i) 33.33% (ii)100% (iii)100%
SEHORE	Bee keeping	20		50	-	-	-	-	**1.** 1 ha **2**.10 **3**. (i)50% (ii)100% (iii)100%
SEHORE	IPM in Kharif Crop (Soybean)	25	10	15	12.45	16.86	15702.8	27891.6	**1.** 50ha **2**.15 **3**. (i)33.33% (ii)26.15% iii)43.70%
SEHORE	IPM in Rabi Crop	25	7	13	23.8	28.2	51100	62400	**1.** 34ha **2**.63 **3**. (i)46.15% (ii)15.60% (iii)34.87%
SEHORE	IPM in Chickpea	25	10	14	16.03	21.27	49545	71055	**1.**53 ha **2**.82 **3**. (i)28.57% (ii)24.63% (iii)30.27%
SEHORE	Health and Hygiene of Farm Women and their Houses	115	12	18	-	-	-	-	**3.** 33.33%
SEHORE	Nutritional value of available foods	25	13	17	-	-	-	-	**3.** 22.60%
SEHORE	Kitchen Gardening for Nutritional Security	25	17	21	-	-	-	-	**3.** 30.37%
SEHORE	Weeding operation for Drudgery reduction in vegetable crop	20	14	18	-	-	-	-	**3. 25.01** %
SEHORE	Paper bags and cloth bags making	20	10	20	-	-	-	-	**3.** 49.75%
SEHORE	Preservation of Seasonal Fruits & Vegetables	50	09	24	-	-	-	-	**3.** 71.44%
SEHORE	Value addition in Seasonal crops	45	08	19	-	-	-	-	**3. 50**%
SEHORE	Dress Designing and tailoring	25	15	25	-	-	-	-	**3. 66.66%**
SEHORE	Nutritional management of Children & Pregnant women	50	08	19	-	-	-	-	**3.** 50%
SEHORE	Nutrition, Health and Hygiene	25	07	19	-	-	-	-	**3.** 52.18%
SEHORE	Skill Development for Craft Material	20	09	18	-	-	-	-	**3.** 42.85%
SEHORE	Value addition, Preservation and storage of Foods	20	06	20	-	-	-	-	**3**. 58.33%

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F			
SEHORE	Advisory Services	60	48	950	65	285	35	41	07	-	-	-
SEHORE	Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
SEHORE	Animal Health Camp	04	-	-	-	-	-	-	-	-	-	-
SEHORE	Awareness programme	04	04	1282	385	372	310	20	7	Awareness Programme	WDRA Awareness, WSHC Aware, Parthenium Week Aware & Clean India Aware Prog.	
SEHORE	Celebration of important days	06	07	634	310	302	144	24	07	Popularization the latest technology	World Food day, Kisan Diwas, Kisan Mahila Diwas, World Environment day, Sewa Diwas, National Swachhta Day, World	

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F			
											Women day, World Water Day	
SEHORE	Diagnostic visits	12	12	94	-	-	-	01	-	-	-	-
SEHORE	Exhibition	12	08	1897	115	418	130	35	05	Popularization of Technology	Farmer Fair, Pri Rabi Camp. HIL india etc	-
SEHORE	Exposure visits	02	-	-	-	-	-	-	-	-	-	-
SEHORE	Extension Literature	08	08	-	-	-	-	-	-	-	Mass	-
SEHORE	Ex-trainees Sammelan	02	02	73	-	03	-	-	-	Need Assessment & Feed Back	Impact of Kharif crop Impact of Rabi crop	Standing all crops
SEHORE	Farm Science Club conveners meet	-	-	-	-	-	-	-	-	-	-	-
SEHORE	Farmers Seminar/Workshop	02	01	53	-	15	-	04	-	Popularization of Technology	Vermi Composting	-
SEHORE	Farmers visit to KVK	4000	6569	3626	162	1856	675	185	65	-	-	-
SEHORE	Field Day	27	21	413	**37**	**92**	**33**	02	01	Feedback & Popularization of Technology	IPM in Soybean	Maturity Stage
SEHORE	Field Day										IDM in Chilli	Productive stage
SEHORE	Field Day										IDM in Chickpea	Maturity Stage
SEHORE	Field Day										Management of Sucking pest in Rabi onion	Maturity Stage
SEHORE	Field Day										INM in Soybean in wheat cropping system	
SEHORE	Field Day										Nutrient Management in Soybean Crop	Maturity Stage
SEHORE	Field Day										Nutrient management in Wheat crop	Maturity Stage
SEHORE	Field Day										INM in garlic	Maturity Stage
SEHORE	Field Day										Package Demonstration of Pigeon pea	Maturity Stage
SEHORE	Field Day										Package Demonstration of Hybrid Maize	Maturity Stage
SEHORE	Field Day										Demonstration of IWM module in Paddy	Maturity Stage
SEHORE	Field Day										Demonstration of Wheat variety HI 8713 (Pusa Mangal)	Maturity Stage
SEHORE	Field Day										Demonstration of weed management in wheat	Maturity Stage
SEHORE	Field Day										Demonstration of Wheat Variety HI-8663 (Poshan) for Nutritional Security	Maturity Stage
SEHORE	Field Day										Package demonstration of Green gram	Maturity Stage
SEHORE	Field Day										Value added Soya products for nutritional security	-
SEHORE	Field Day										Plug Tray	Planting Stage
SEHORE	Field Day										Black Plastic Mulch	
SEHORE	Field Day										Cropping system Okra- Spinach-Onion	Maturity Stage
SEHORE	Field Day										Kitchen Garden	Productive stage
SEHORE	Field Day										Garlic G-282	Harvesting
SEHORE	Film Show	30	23	350	70	110	65	40	10	Awareness of Agri. Technologies	Related to Training Programmes	-
SEHORE	Group meetings	18	12	185	12	49	08	09	05	Need Assessment & Feedback	IPM in Soybean	-
											IPM in Maize	-

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F			
											IPM in Pigeon pea	-
											INM in soybean	-
											INM in Maize	-
											INM in Pigeon pea	-
											Soil Health Management	-
											Nutrient Management in Kharif crop	-
											Production Technology of Kharif crop	-
											Production Technology of Kharif Onion	-
											Prod. Technology of Vegetables crop	-
											Production Technology of Horticulture	-
SEHORE	Interface	02	01	45	-	05	-	04	01	Feedback & Popularization of Technology	Production Technology of Rabi Crops	Standing crop
SEHORE	Kharif/Rabi Sammelan	02	01	322	50	89	15	15	05	Popularization of Technology	Pre Rabi Campaign Programme	Standing crop
SEHORE	Kisan Ghosthi	02	02	165	-	28	-	04	01	Feedback & Popularization of Technology	Production Technology of Kharif crop	Standing crop
											Production Technology of Rabi crops	
SEHORE	Kisan Mela	01	01	252	227	121	117	20	10	Awareness for Latest Agri. Technology	Doubling income of Farmers	-
SEHORE	Krishi Gyan Doot meet	-	-	-	-	-	-	-	-	-	-	-
SEHORE	Krishi Mahotsav	-	-	-	-	-	-	-	-	-	-	-
SEHORE	Lectures delivered as resource persons	80	78	-	-	-	-	-	-	As per programmes	-	-
SEHORE	Method Demonstrations	06	04	132	-	51	-	04	-	Capacity Building	Seed Treatment of Rabi crop	Before of sowing
											Seed Treatment Chickpea, wheat	
										Capacity Building	Soil Sampling	
											Soil Sampling	
SEHORE	Newspaper coverage	100	81	-	-	-	-	-	-	Mass	Important activities	-
SEHORE	Popular articles	06	02	-	-	-	-	-	-	Mass	Effect of weather parameters of insect infestation	-
SEHORE	Pradhanmantri phasal beema yojana	01	-	-	-	-	-	-	-	-	-	-
SEHORE	Radio talks	08	04	-	-	-	-	-	-	Mass	Mass communication	-
SEHORE	Scientific visit to farmers field	168	199	1433	55	481	15	07	05	-	-	-
SEHORE	Self Help Group conveners meetings	-	01	-	65	-	09	-	-	Awareness	Awareness for SHGs & Nutrition	-
SEHORE	Soil health Camp	01	01	42	-	8	-	02	-	Capacity Building	Soil Health Management	Before crop sowing

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F			
SEHORE	Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-
SEHORE	Summer deep ploughing campaigning	-	-	-	-	-	-	-	-	-	-	-
SEHORE	Technology Week Celebration	01	01	295	20	25	05	28	03	To Aware about on agriculture latest technology	Filed day, Ex trainee meet, Farm women training, Farmer Training etc.	Crop maturity
SEHORE	TV talks	16	15	-	-	-	-	-	-	Mass dissemination	Seasonal	-
SEHORE	Workshop	02	-	-	-	-	-	-	-	-	-	-
SEHORE	Input Dealers Meeting	01	01	45	-	-	-	-	-	Capacity building	Input dealers	
SEHORE	PM Live telecast Programme		02	180	52	41	22	04	01	Awareness prog.	PMKisan Samman Nidhi Pro. SHGs	-
SEHORE	Clean India Campaign	48	48	475	15	96	38	12	05	-	Swachh Bharat Abhiyan	-

7. Literature Developed/Published (with full title, author & reference)

7.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
SEHORE	September -2008	Quarterly	3500	3500

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
SEHORE	Technical report	Cluster Demo. under Kharif (Oilseeds – Soybean)	Mr. Devendra Patil	-
SEHORE		Cluster Demo. under Kharif (Pulses -Chickpea)	Mr. Devendra Patil	-
SEHORE		NFL Demo. under Kharif & Rabi	Sri Sandeep Todwal	-
SEHORE	Research Paper	Abundance and distribution of sucking pest complex of okra in relation to metrological parameter	Mr. Deekap Kushwaha	-
SEHORE		*Adoretus duvauceli* Blanchard (Coleopteran: Scarabaeidae) a new threat to ber plant *(Ziziphus mauritiana)*in eastern Utter Pradesh India	Mr. Deepak Kushwaha	-
SEHORE	Leaflet / Folder	Production Technology of Green gram in Zaid	KVK, Staff	1000
SEHORE		Krishi Yantrikaran	KVK, Staff	1000
SEHORE		Production Technology of Cucurbits crops	KVK, Staff	1000
SEHORE		Back Yard Poultry	KVK, Staff	1000
SEHORE		Balance Feeding in Animal	KVK, Staff	1000
SEHORE		Storage Grains Pest Management	KVK, Staff	1000
SEHORE		Pradhan mantri Fasal Beema Programme	KVK, Staff	1000
SEHORE		Soil Health Card Scheme Programme	KVK, Staff	1000

SEHORE		Production Technology of Soybean	KVK, Staff	1000
SEHORE		Production Technology of Chickpea	KVK, Staff	1000
SEHORE		Vermi Composting	KVK, Staff	1000
SEHORE		Drum Stick	KVK, Staff	1000
SEHORE	Success Story	Oilseed in Kharif Soybean under CLDs	Mr. Devendra Patil	-
SEHORE		Pulses in Rabi Chickpea crop under CFLDs	Mr. Devendra Patil	-
SEHORE		Integrated Pest Management in Soybean	Mr. Deepak Kushwaha	-
SEHORE		Wheat variety demo. on HI- 8713 (Pusa Mangal)	Mr. Devendra Patil	-
SEHORE		Nutrient Management in Soybean crop	Sri Sandeep Todwal	-
SEHORE		High tech vegetable production	Sri J. K. Kanaujia	
SEHORE		Zinger for small farmers	Sri J. K. Kanaujia	
SEHORE		Kitchen Gardening health security	Sri J. K. Kanaujia	
SEHORE	Case Study	Kharif Onion in Sehore	Sri J. K. Kanaujia	

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
SEHORE	-	-	-

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
SEHORE	Oil seed	Soybean	JS- 2034	7.20	43,200.00	11	9.0
SEHORE		Soybean	RVS- 2001-4	3.20	19,200.00	05	4.0
SEHORE	Cereal	Maize	Hybrid	104.77	1,44,798.00	-	-
SEHORE		Paddy	PB- 1121	106.2	3,31,940.00	-	-
SEHORE		Wheat	HD-4728 (Pusa Malviya)	50.80	1,62,500.00	18	45
SEHORE		Wheat	HI- 1605 (Pusa Ujala)	4.70	16450.00	11	4.25
SEHORE		Wheat	HI- 8759 (Pusa Tejas)	3.60	12600.00	08	3
SEHORE		Wheat	HI-1605	37.70	In stock	-	-
SEHORE		Wheat	C- 306	6.95	In stock	-	-
SEHORE		Barley	DWRB-137	21.50	In stock	-	-
SEHORE	Pulses	Pigeon pea	TJT- 501	1.41	11,280.00	14	5.5
SEHORE		Pigeon pea	TT- 401	1.40	1,600.00	02	01
SEHORE		Pigeon pea	IPA 2010-5-30	0.4	320.00	01	-
SEHORE		Pigeon pea	TJT- 501	1.75	In stock	-	-

KVK Name	Major group/class	Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
SEHORE	Pulses	Chick pea	RVG- 202	19.0	1,14000.00	13	24
SEHORE		Chick pea	JAKI -9218	14.0	8,40,000.00	06	17
SEHORE		Chick pea	RVG- 202	18.15	In Stock	-	-
SEHORE		Chick pea	JAKI -9218	2.5	In Stock	-	-
SEHORE	Spices	Garlic	G-282	8.00	28,000.00	05	-
SEHORE		Garlic	G-282	6.15	In stock	-	-
SEHORE		Ginger	Local	5.75	14000.00	01	-
SEHORE		Ginger	Local	6.00	In stock	-	-

8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
SEHORE	Fruit	Drumstick	PMK-1	2500	20250.00	88	Provided to farmers under gate vole
SEHORE		Papaya	Vinayak Hybrid	500	10000.00	92	
SEHORE		Lemon	Seedless	10	500.00	02	
SEHORE	Vegetable	Chilli	Hybrid	1000	10000	134	
SEHORE		Brinjal	Hybrid	1000	10000	205	
SEHORE		Tomato	Hybrid	1000	10000	189	
SEHORE		Onion	Bheema Supper	1000	5000	117	
SEHORE	Flower	Marigold	Hybrid	5000	5000	35	
SEHORE		Gladiolus	Hybrid	500	500	04	

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

KVK Name	Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (In Kg)	Qty (In No)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
SEHORE	Bio Fertilizer	Vermi Compost	500000	-	-	Use in Kvk instructional farm	20
SEHORE	Bio Fertilizer	NADEP Compost / Decomposer unit	320000	-	-	Use in Kvk instructional farm	08
SEHORE	Bio Fertilizer	Vermicompost Sale	3080	-	24700	03	-
SEHORE	Bio Fertilizer	Earth Worms Sale	130.3	-	19550	20	-
SEHORE	Bio Fertilizer	Vermi wash	100	-	-	Use in KVK instructional farm	-

8.4 Livestock and fisheries production – Nil

KVK Name	Name of the animal / bird / aquatics	Breed	Type of Produce	Qty. (kg/qt./litre)	Value (Rs.)	No. of Beneficiaries
SEHORE	-	-	-	-	-	-

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Soil report distributed to the farmers (Nos)
SEHORE	2012	2012-13	Major & Micro Nutrient testing	1181	1011	25	-	1181

9.2 Details of water samples analyzed so far : NA

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Water report distributed to the farmers (Nos)
SEHORE	-	-	-	-	-	-	-	-

10. Rainwater Harvesting – Not Available

Training programmes conducted by using Rainwater Harvesting Demonstration Unit – Nil

Name of KVK	Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
					Male	Female	Total	Male	Female	Total
SEHORE	-	-	-	-	-	-	-	-	-	-

11. Utilization of Farmers Hostel facilities – 40 Beds

KVK Name	Months	Year	Title of the training course	*Duration of training*	*No. of trainees stayed*	*Trainee days (days stayed)*	*Reason for short fall (if any)*	*Accommodation available (No. of beds)*
SEHORE	April	2018	Farmers Exposure visit by Dept. of Agriculture, Vishia (M.P.)	02	60	01	-	40 Beds
SEHORE	June	2018	Farmers Training under NFL. Bhopal	02	30	01	-	40 Beds
SEHORE	June	2018	Farm Women Training by CEROWC, Bhopal	04	20	03	-	40 Beds
SEHORE	August	2018	Farm Women Training by CEROWC, Bhopal	04	20	03	-	40 Beds
SEHORE	August	2018	Farm women Training CIPA Samarthan,Sehore (M.P.)	05	26	05	-	40 Beds
SEHORE	September	2018	Farmers Exposure visit by ATMA, Vidisha (M.P.)	03	18	03	-	40 Beds
SEHORE	September	2018	Farmers Exposure visit by ATMA, Vidisha (M.P.)	03	19	03	-	40 Beds
SEHORE	September	2018	Farm Women Training by CEROWC, Bhopal	03	25	02	-	40 Beds
SEHORE	September	2018	Farm Women Training by CEROWC, Bhopal	03	24	02	-	40 Beds
SEHORE	September	2018	Capacity Building Training Farm women by CIPA, Samarthan, Sehore (M.P.)	05	15	04	-	40 Beds
SEHORE	September	2018	Farmers Training cum visit by ATMA, Rajgrah (M.P.)	01	16	01	-	40 Beds

SEHORE	September	2018	Farm Women Training (Nutrition) by CEROWC, Bhopal	02	20	02	-	40 Beds
SEHORE	October	2018	Farmer Exposure visit by ATMA, District- Guna (M.P.)	01	14	01	-	40 Beds
SEHORE	December	2018	Skill Development Training by KVK Mashroom Production	05	15	05	-	40 Beds
SEHORE	December	2018	Skill Development Training by KVK Seed Production	05	15	05	-	40 Beds
SEHORE	January	2019	Capacity Building Training by Bandhan KOA Nagar, Bhopal	03	30	03	-	40 Beds
SEHORE	January	2019	Capacity Building Training by Bandhan KOA Nagar, Bhopal	03	30	03	-	40 Beds
SEHORE	January	2019	Capacity Building Training NYC by NYK, Sehore (M.P.)	03	40	03	-	40 Beds
SEHORE	January	2019	Skill Development Training by KVK High tech Horticulture	05	10	05	-	40 Beds
SEHORE	January	2019	Capacity Building Training NYC by NYK, Sehore (M.P.)	03	40	03	-	40 Beds
SEHORE	January	2019	Farmers Training by ATMA, Rajgrah (M.P.)	05	24	04	-	40 Beds
SEHORE	January	2019	Farmer Exposure visit by ATMA, Agarmalva (M.P.)	01	42	01	-	40 Beds
SEHORE	February	2019	Exposure visit by CADMAP, Bhopal	03	42	02	-	40 Beds
SEHORE	March	2019	Farmers Exposure visit by Dept. of Horticulture, Hoshangabad	01	60	01	-	40 Beds
SEHORE	March	2019	Farmers Training by BSLD,BAIF, Bina, Dist- Sagar (M.P.)	02	30	01	-	40 Beds
SEHORE	March	2019	Skill Development Training by KVK Bee Keeping	05	20	05	-	40 Beds

12. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
SEHORE	2010-11	2010-11	06	01	-

13. **Details of SAC Meeting-**

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
SEHORE	**07/06/2018**	**24**	- KVK Aware the farmers for their doubling income through Integrated Farming System - KVK motivate about water conservation & soil conservation. - KVK published their work in different journal & magazine for Extension. - Motivate latest Agricultural Farm Machineries & tools. - KVK creates awareness about crop insurance in farming community. - KVK creates awareness about plantation of citrus, Guava in farming community. - Motivate about Back Yard Poultry. - Create awareness about Kitchen Garden.
SEHORE	**28/09/2018**	**26**	- KVK regularly disseminates the contingent plan to farm community. -KVK more works on agriculture diversification. -Motivate the farmers for adoption of fruit plant plantation & Kitchen garden. -KVK more emphasis on soil & water conservation. -More extension of farm mechanization. -Promote Integrated farming system. - As per resource available in farming community, KVK promote fisheries & poultry farming. - Motivate women farmer for value addition.

14. **Status of Kisan Mobile Advisory (KVK-KMA)**

KVK Name	No. of messages sent	No. of beneficiary		Total Number of villages	Number of villages covered	Sponsoring agency (NIC, Farmers Portal, etc.)	Major recommendations
		Farmers	Ext. Pers.				
SEHORE	35	47575	400	1049	1049	Farmers Portal	किसान भाई माह मई व जुन में प्लाऊ से खेतों की गहरी जुताई करें।
							किसान भाई मृदा परिक्षण के लिए नमूना लेने का उपयुक्त समय है , मृदा परिक्षण हेतु ग्राअधिकारी .वि.कृ. से संपर्क करे कृषि विज्ञानं केंद्र सीहोर .
							किसान भाई सब्जियों का उत्पादन प्लास्टिक मल्च से करे
							किसान भाई सोयाबीन की उन्नत फसल जे २०३४ . ऐस.,जे२०२९.ऐस.,आरका उपयोग करे ४-२००१ .ऐस.वी.
							किसान भाई अरहर की उन्नत किस्में टी एवं ४०१ .टी .टी५०१ .टी .जे ., प्रगति का उपयोग करें कृषि विज्ञानं केंद्र सीहोर
							किसान भाई खरीफ प्याज हेतु रोपड़ी तैयार करें , क्यारी भूमि से ४ इंच ऊपर उठी हुई बनायें , कृषि विज्ञानं केंद्र, सीहोर
							किसान भाई पशु घरो को सूखा , मच्छर, मक्खी रहित रखने के लिए फिनायल के घोल डीके छिड़काव करे कृषि विज्ञानं केंद्र , सेवनिया, जिला (.प्र.म) सीहोर-
							किसान भाई सोयाबीन फसल में मृदा परिक्षण के आधार पर ऐन के व सल्फर. पी.20:60:20:20 किग्रा /. से उपयोग करे .हे
							किसान भाई धन फसल में मृदा परिक्षण के आधार पर ऍन :१२० व ज़िंक .के .पी .६० .किग्रा २५.५:४०:प्रति एकड़ की दर से उपयोग करें सीहोर .के .वी .के -
							किसान भाई दुधारू पशुओं को दुग्ध ज्वर से बचने के लिए ५० ग्राम खनिज मिश्रण प्रतिदिन खिलाएं कृषि विज्ञानं केंद्र,सीहोर
	35	47575	400	1049	1049	Farmers Portal	किसान भाई सोयाबीन फसल में खरपतवार नियंत्रण हेतु इमेजाथाईपर १० की .सी .इ %३५० ४००-मिली / सीहोर .के .वी .के - लीटर पानी के साथ घोल बनाकर छिड़काव करें २०० एकड़
							किसान भाई मक्का फसल में खरपतवार प्रबंधन हेतु एट्राजिन ५० प्रति / ग्राम ६०० . डब्लू पी .एकड़ की दर से २०० लीटर पानी के साथ बुवाई से ०५ दिन की अवस्था पर छिड़काव करे
							किसान भाई सोयाबीन फसल में गर्डल बीटल , सफ़ेद मक्खी , तना मक्खी के प्रभावी नियंत्रण हेतु बेटासीफ्लुथ्रिन मिली दवा प्रति एकड़ में उपयोग करे १४० की (सोलोमन) इमिडाक्लोप्रिड + कृषि विज्ञानं केंद्र , सेवनिया , सीहोर
							किसान भाई सोयाबीन फसल में गर्डल , बीटल , सफ़ेद मक्खी , तना मक्खी के प्रभावी नियंत्रण हेतु

SEHORE							बेटासिफलुथरीन मिली दवा प्रति एकड़ उपयोग करे कृषि विज्ञान केंद्र १४० की (सोलोमन) इमिडाक्लोप्रिड +, जिला सीहोर -
							किसान भाई पशु ब्याने के दो घंटे के अंदर बछड़ो को उनके वजन का १० वा हिस्सा खीस चीका अवश्य / ! पिलाये
							किसान भाई सोयाबीन फसल की बढ़वार प्रभावित होने पर ऐन :१९ के के.पी.१९/किग्रा ०१ १९:एकड़ की दर से उपयोग करे
							किसान भाई चना फसल में बीज उपचार हेतु ट्राईकोडरमा विरिडी ५ ग्राम एवं राईजोवियम कलपर + किग्राम बीज की मात्रा से बीज उपचार करना सुनिश्चित करे /ग्राम ५ बी कलपर.एस.पी
							किसान भाई चना फसल की उन्नत किस्म आर२०२ .जी. वी ., जाकी ९२१८ ,जे१६ . जी ., जे का १४ . जी. उपयोग करे
							किसान भाई सिंचित दशा में गेहू की उन्नत किस्म एच आई .8713 (पूसा मंगल(, एच .आई . 8737(पूसा अनमोल(, एच . आई .1544(पूर्णा(, एच .आई .8759 (पूसा तेजसका उपयोग करे (
							किसान भाई चना फसल में बीज उपचार हेतु कार्बेन्डाजिम २५ % ५० मेंकोजेब + %की २ ग्राम प्रति ५. किलोग्राम बीज एवं राइज़ोबियम कल्चर व पी ग्राम मात्रा प्रति किलोग्राम दर से ५ कल्चर की .बी . ऐस . उपचारित करे
							किसान भाई अमरूद के पौधों में नियमित सिंचाई करते रहें , फल मक्खी के बचाव हेतु प्रपंच का (ट्रेप) उपयोग करें।
							किसान भाई गेहू फसल में यूरिया की ३०प्रति मात्रा पृथक कर सिंचाई के समय व शेष मात्रा का उपयोग ४०- द्वितीय सिंचाई के समय करे
							किसान भाई बादलो की स्थिति में चने की सुंडी इल्ली का प्रकोप होने की संभावना में खेत की निगरानी करते हुए प्रोफेनोफोस %४ साईपर्मेथ्रिन+इ ४०० का .सी.मिली-२०० एकड़ मात्र का/२५० लीटर पानी में मिलाकर छिड़काव करे
SEHORE	35	47575	400	1049	1049	Farmers Portal	किसान भाई गेहू फसल में खरपतवार नियंत्रण सकरी एवं छोड़ी पत्ती वाले खरपतवार हेतु मेटासल फ्यूरान / ग्राम १६० (वेस्टा) क्लॉडिनोफोस +एकड़ उपयोग करे
							किसान भाई चना फसल में उखटा रोग का प्रकोप होने पर थायोफिनेट मेथाईल 250 से 300 ग्राम एकड़ / मात्रा, 150 से 200 लीटर पानी में घोलकर छिडकाव करें।
							किसान भाई फसलों को पाले से बचने हेतु हलकी सिंचाई करें एवं खेतों की मेंड़ों पर धुंआ करें कृषि विज्ञानं केंद्र सीहोर
							किसान भाई फसलों को पाले से बचाव हेतु मेढ़ो पर घास जलाकर धुआँ करे एवं हलकी सिंचाई करे अथवा 1 ली सल्फर को .1000 लीछिड़काव करे .पानी में घोलकर प्रति हे .
							किसान भाई लहसुन और प्याज की फसलों की 60-70 दिन की अवस्था में ऍन .के.पी .00:52:34 1

							किग्रा मात्रा एकड़ की दर से पर्णीय छिड़काव करे /
							किसान भाई लहसुन व प्याज फसल में रस चूसक कीटों के नियंत्रण हेतु इमिडाक्लोरोप्रिड १७.एल .एस %८. की दर से छिड़काव करें .मिली प्रति है १२५ की
							किसान भाई देरी से बोई गयी फसल की कटाई व मढाई का कार्य करे फसल की कटाई मढ़ाई के उपरांत-खेत की सफाई अच्छी प्रकार से कर ले ताकि दीमक के प्रकोप की संभावना न हो
							किसान भाई देरी से बोई गयी फसल की कटाई व मढाई का कार्य करे फसल की कटाई मढ़ाई के उपरांत-खेत की सफाई अच्छी प्रकार से करे

15. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
SEHORE	Cluster Demonstration	ATARI, Zone – IX, Jabalpur	2,12,625.00	Pkg. demo of Soybean in Kharif – 2018	Block –Nasrullaganj, Sehore, Ichhawar	125 Mp. of Demo.
			2,92,375.00	Pkg. demo of Chickpea in Rabi, 2018-19	Block – Nasrullaganj, Sehore	75 No. of Demo
SEHORE	Pre Rabi Campaign 2018-19	ATARI, Zone – IX, Jabalpur	80,000.00	Pre Rabi Campaign 2018-19	Entire District	-
SEHORE	WDRA Awareness Programme	WDRA, New Delhi	50,500.00	Awareness to WRDA	Entire District	-
SEHORE	Demonstration under NFL	NFL, Bhopal	24,000.00	Demo. in Kharif (Soybean) & Rabi – wheat crop	Block –Ichhawar & Sehore	06 No. of Demo.
SEHORE	Farmers Training	HIL (India) Limited	1,66,000.00	Farmers Training Safe & Judicious use of Pesticide	Entire District	-

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
SEHORE	10637865071	508104.29	240195.68	240195.68

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
SEHORE	-	-	-	-

18. Details of KVK Agro-technological Park –

a) Have you prepared layout plan, where sent?

Sr .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other,pl. sp.)
1	SEHORE	YES	ZPD & DES

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
SEHORE	Crop Cafeteria	Area 0.5 ha, Displayed seasonal crop varieties, technologies like IPM, INM, IWM, SRI etc, collection of fruit varieties etc.
SEHORE	Technology Desk	Not available
SEHORE	Visitors Gallery	Established in administrative building where displayed latest technologies photographs of various activities, literature, poster live sample etc
SEHORE	Technology Exhibition	A set of technology exhibition to be maintain by the KVK
SEHORE	Technology Gate-Valve	Seeds, seedlings, Earth worms, KVK literature is being provided to farmers

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria (No of activity)
A	**Kharif**	
1	**Varietal demonstration in field crop**	
	➢ Soybean	08
	➢ Pigeon pea	04
	➢ Maize	05
	➢ Green Gram	03
	➢ Black gram	03
	➢ Paddy	04
2	**Technologies demonstrated -** BBF, IPM, INM, Darwad Method, FIRBS, IWM, Intercropping for rainfed areas as well as irrigated condition ect.	Each of One
3	**Vegetable (Hybrid)**	
	Cow pea	01
	Okra	01
	Chilli	03
	Cauliflower	01
	Tomato	01
	Brinjal	01
4	**Flowering plants**	
	Marigold	01
B	**Rabi**	
1	**Varietal demonstration in field crop**	
	➢ Chick pea	10
	➢ Wheat	19
	➢ Linseed	02
	➢ Lentil	01
	➢ Mustard	01
	➢ Safflower	01
	➢ Green Gram	03

	➢ Black Gram	03
	➢ Summer Deep Ploughing	01
2	Technologies demonstrated - INM, IPM, Seed treatment of chickpea through Ammonium molibdate, Intercropping (Chickpea + Wheat)	Each of one
3	**Vegetable (Hybrid)**	
	➢ Chilli	01
	➢ Vegetable pea	01
	➢ Onion	03
	➢ Garlic	03
	➢ Cauliflower	01
	➢ Brinjal	01
	➢ Tomato	01
	➢ Spinach	01
	➢ Coriander	01
4	**Flower plants**	
	➢ Gladiolus	01

Status of KVK Agro Technological Park

KVK Sehore have initiated to develop an Agro Technology park for further extension of need based and location specific technologies among farmer on the concept of believing by seen Present status and proposed plan of ATP is given as under –

SN	*Name of component*	*present status*	*proposed plan during XII plan*	*Remark*
1	**Crop cafeteria**			
	(i) Season Crops	- Display of seasonal crop varieties – cereal, oilseed & pulses released by research institution and assessed by KVK. - Display of INM, IPM modules of various crop. - Medicinal and aromatic plant. - Kitchen garden. - Best practices of vegetable growing.		
	(ii) Fruits crops	- Fruit plantation based on improved technology. - Guava- lalit, sweta, A-safeda, L-49 - Mango- var. Ambica, Dashehri -51, Amrapali, mallika. High density orcharding. - Aonla- variety NA-7,chakaiya. - Mandrin var.- Nagpur, Arakta - Pomagranet – Bhagwa, Arakata - Custard apple- Var. Arka	- Medew orcharding -0.4 ha -Best practices- 0.4 ha -Best practices- 0.4 ha -Best practices- 0.4 ha	
	(iii) Water Management	- Drip irrigation – 2.5 ha for fruit crop - Sprinkler – 1.0 set	Drip irrigation for vegetable – 0.4 ha Micro sprinkler set- 0.4 ha	

	(iv) soil & water conservation	- Bunding - cully plugging - Baldu checks - Farm Pond - Dug well recharge	Farm pond – 1.0 ha	
	(v) Horticulture	- -	small- 0.4 ha	
2.	Technology park	- Not Available	Not Required	
3.	Visitors Gallery	- Display of technologies assessed by KVK. - Sample of seasonal crop varieties. - Action photographs of KVK Activities - Display progressive farmer awarded . - Display of success story and case studies. - Display of seasonal fruits & vegetable - Display of craft prepared by KVK trainees.	Required display material for further improvement 1) electronic display screen	
4.	Technology Exhibition	- Latest farm tools & implements. - Production of organic inputs. - Watershed management - Agro metrology observatory	- Further improvement - 2.0 - Further improvement- 0.5 - processing unit (seed) – 3.0 - processing unit (Millry of rice ,flour, pulse) - Dairying unit small -1.0 - Back yard Poultry - 0 - Buter rearing - Bee keeping – - Mushroom production - Sericulture - .25 - non conventional energy – 1.0 - Wise water management unit- - integrated farming system model- crop + poultry +fish- 0.5 - Bio diversity conservation – 0.5	
5.	Technology Gate vole -	- Providing following materials to the farmers/visitors. - Seeds of new verities. - Seedling of vegetables. - Earth warms. - Vermi compost. - Planting material for fodder. - CD's of technology - K.V.K. literature. - News letter.	Further improvement are required to provide technological inputs through KVK gate valve. It will require Rs.25000.00 Annam.	

19. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
01	SEHORE	Mr. Dinesh Verma	Organic Farming	Vill. Neelkanth, Block- Nas.ganj, Dist- Sehore (M.P.) Mo. No. - 9200189619
02	SEHORE	Mr. Arjun Singh	Organic Farming	Village – Shyampur, Block- Nas.ganj, Dist- Sehore (M.P.) Mo. No. 9753593156
03	SEHORE	Mr. Manoj Patel	Floriculture	Vil. Bachgaon, Block- Nasrullaganj, District- Sehore (M.P.) Mo. No. - 9770745006
04	SEHORE	Mr. Sudarshan Sen	Mushroom Production	Village & Post- Rehati, Block- Budani, Dist- Sehore (M.P.) Mo. No. – 9098502364
05	SEHORE	Mr. Rahul Parmar	Dairy (Milk Product & Marketing)	Village- Heerapur, Block- Sehore, Dist- Sehore (M.P.) Mo. No. - 9174229030
06	SEHORE	Mr. Om Prakash	Seed Production	Village- Amajhir, Block- Sehore, District- Sehore (M.P.) Mo. No. - 9770440378
07	SEHORE	Mr. Gajraj Singh Verma	Organic vegetable Grower	Village- Kulansh Kala, Block- Sehore, District- Sehore (M.P.) Mo. No. – 9826075892
08	SEHORE	Mr. Kamalesh	Manually operated Seed drill machine	Village – Aalampura, Block- Sehore, District- Sehore (M.P.) Mo. No. - 7470446820
09	SEHORE	Mr. Kamalesh Gour	Ginger Grower	Village- Nonikhedi, Block- Sehore, Dist- Sehore (M.P.) Mo. No. - 8120853669
10	SEHORE	Mr. Pramod Kumar	Guava Grower	Village- Kothari, Block- Asta, District- Sehore (M.P.) Mo. No. – 7999890358

20. KVK interaction with progressive farmers

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
01	12/05/2018	`150

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
SEHORE	05	05	18	925

Intensive- OFTS, FLDS etc Extensive- Literatures, Publications, Awareness programmes etc.

22. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable. – Nil

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt

23. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
01	Shajapur	Knowledge	-
02	Rajgrah	Knowledge	-

24. **Important visitors to KVK**

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
SEHORE	Sri Mahendra Singh, Manager, National Fertilizer Limited, Bhopal	20/06/2018	-	-	√	KVK Sehore worked for farming community latest Agri. Technologies, Demonstration at KVK Farm & The effort made by the team of KVK staff doing work excellent..
SEHORE	Dr. Mukesh Bhatt, Scientist, ICAR-NAARM, Hyderabad	10/09/2018	√	-	-	KVK Sehore demonstrates new varieties of crops for farming community & work for
SEHORE	Miss Asha Kumari, Scientist, ICAR-NAARM, Hyderabad	10/09/2018	√	-	-	
SEHORE	Sri Jaspreet Singh, Scientist, ICAR-	10/09/2018	√	-	-	

	NAARM, Hyderabad					enhancement of farmer income & The effort made by the team of KVK staff doing work excellent.
SEHORE	Miss Preeti Singh, Scientist, ICAR-NAARM, Hyderabad	10/09/2018	√	-	-	
SEHORE	Sri Hirdayesh Anurag, Scientist, ICAR- NAARM, Hyderabad	10/09/2018	√	-	-	
SEHORE	Dr. Jitendra Kumar Soni, Scientist, ICAR- NAARM, Hyderabad	10/09/2018	√	-	-	
SEHORE	Sri Vikas Narwal, IAS, Joint Chief Election commission, Bhopal	01/11/2018	-	-	√	KVK Sehore is truly a state of art Agriculture Farm which is well managed, very efficiently & scientifically for farming community.
SEHORE	Smt. Anju Kumari, IAS, Assitant Collector, Sehore (M.P.)	20/12/2018	-	-	√	KVK Sehore had diversified agriculture in at Instructional Farm & Excellent work for farmers
SEHORE	Dr. Rajiv Pandey, Assistant Professor, Rajiv Gandhi Tech. University, Bhopal	20/01/2019	-	-	√	KVK Sehore impressive centre, like the farmers training on using waste for input.
SEHORE	Dr. A. K. Tiwari, Director, GOI, Directorate of Pulse Development, Bhopal	31/01/2019	√	-	-	KVK Sehore Instructional Farm, Demonstrated Integrated Farming Approaches is one of the most suited model shown be replicated across the district, intercropping of pigeon pea + Soybean in Kharif, Linseed + chickpea in Rabi and well demonstrated of Crop cafeteria
SEHORE	Dr. Anupam Mishra, Director, ICAR-ATARI, Zone- IX, Jabalpur	28/02/2019	√	-	-	KVK Sehore instructional farm is excellent for farming community of district farmers

25. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
01	SEHORE	2015-16	04	21957

26. E-CONNECTIVITY – Not Available

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No. of lectors organized by KVK	Brief achievements	Remarks
	Date	No. of Staff attended	No. of call received from Hub	No. of Call mate to Hub by KVK			
SEHORE	-	-	-	-	-	-	-

27. Status of RTI – Nil

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
01	SEHORE	-	-	-

28. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks

29. Attended HRD Programmes organized by ZPD

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
SEHORE	Sri Sandeep Todwal	Head & Scientist (Soil Science)	07	Workshops, Interface, Training Programme & Zonal Workshop
SEHORE	Sri J. K. Kanaujia	Scientist, (Horticulture)	04	Workshops, Seminar, Doubling income workshop
SEHORE	Mr. Deepak Kushwaha	Scientist, (Plant Protection)	01	National Seminar Programme
SEHORE	Mr. Devendra Patil	Scientist, (Agronomy)	04	Farm Innovator Meet, Zonal Workshop, Workshops, Nutritional Workshop
SEHORE	Miss Kusum Sukhwal	P. A. (Home Science)	05	International workshop, Workshops, Meetings
SEHORE	Mr. Akshay Kalkar	P.A. (Computer Programmer)	02	ICT workshop cum Training Programme
SEHORE	Mr. Shashikant Harde	Accountant	02	Training on PFMS regarding

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
SEHORE	**07**	**25**

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
SEHORE	Sri Sandeep Todwal	Head & Scientist (Soil Science)	04	Workshops, Contingent Plan, etc.
SEHORE	Sri J. K. Kanaujia	Scientist, (Horticulture)	02	Meeting and Training
SEHORE	Mr. Deepak Kushwaha	Scientist, (Plant Protection)	01	Capacity Building Training Programme
SEHORE	Mr. Devendra Patil	Scientist, (Agronomy)	02	Capacity Building Training Programme

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
SEHORE	**04**	**09**

31. Attended HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Remarks
SEHORE	Mr. Devendra Patil	Scientist, Agronomy	01	Model Training course Wheat & Barley
SEHORE	Sri J. K. Kanaujia	Scientist, Horticulture	01	Model Training Course in GPS in Agriculture
SEHORE	Mr. Devendra Patil	Scientist, Agronomy	01	Model Training Course in GPS in Agriculture

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
SEHORE	**02**	**03**

32. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)

Name of KVK	Alert observed	Particulars	Reported to organization
SEHORE	-	-	-

33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
SEHORE	Field Day	01	28	Cropping system Soybean- Wheat
SEHORE	Group Meeting	01	31	Production Technology of Rabi crop
SEHORE	In Service Training	01	30	Production Technology of Rabi crop & Nutrient Management
SEHORE	Field Day	01	26	Integrated Pest Management in Soybean crop
SEHORE	Field Day	01	34	Integrated Nutrient Management in Soybean crop
SEHORE	Field Day	01	44	Integrated Pest Management in Soybean crop
SEHORE	Krashak Sangosthi	01	73	Production Technology of Rabi crop & Nutrient Management
SEHORE	Field Day	01		Integrated Pest Management in Soybean crop
SEHORE	Group Meeting	01	38	Production Technology of Rabi crop
SEHORE	Input Dealers Meeting	01	38	Training & visit of KVK Input dealers
SEHORE	KVK Instructional Farm Visit by Farmer	01	42	Krishi Vigyan Kendra, Instructional Farm visit
SEHORE	Ex Trainee Meet Farm Women Training	01	27	Doubling income for farmers
SEHORE	Farm Women Training	01	27	Value addition of Soybean
SEHORE	News Paper/Mass Media	03	Mass	News Coverage
SEHORE	Swachha Bharat Abhiyan	01	20	Swachhata hi Sewa
	Total	**17**	**396**	**-**

34. INTERVENTIONS ON DROUGHT MITIGATION – NA

Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries

Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries

Farmers-scientists interaction on livestock management

Name of KVK	**Livestock components**	**Number of interactions**	**No. of participants**

Animal health camps organized

Name of KVK	**Number of camps**	**No.of animals**	**No.of farmers**

Seed distribution in drought hit states

Name of KVK	**Crops**	**Quantity (qtl)**	**Coverage of area (ha)**	**Number of farmers**

Seedlings and Saplings distributed

Name of KVK	**Crops**	**Quantity (No.s)**	**Coverage of area (ha)**	**Number of farmers**
Seedlings				

Bio-control Agents

Name of KVK	**Bio-control Agents**	**Quantity (q)**	**Coverage of Area (ha)**	**No. of farmers**

Bio-Fertilizer

Name of KVK	**Bio-Fertilizer**	**Quantity (kg)**	**Coverage of Area (ha)**	**No. of farmers**

Verms Produced

Name of KVK	**Verms Produced**	**Quantity (q)**	**Coverage of Area (ha)**	**No. of Farmers**

Large scale adoption of resource conservation technologies

Name of KVK	**Crops/cultivars and gist of resource conservation technologies introduced**	**Area (ha)**	**Number of farmers**

Awareness campaign

Name of KVK	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

28. Activities performed in Satellite Village on Doubling Farmer's Income

Information about Satellite Village

Name of KVK	Block	Village
SEHORE	Sehore	Bijlon

1. Activities for Natural Resource Management:-

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks
Front Line Demonstration	01	05	02	05	Demo. of RDF as per STV in Soybean crop
Front Line Demonstration	01	05	05	05	Demonstration of STCR in Wheat Crop

2. Activities for Crop Diversification:-

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted	Remarks
On Farm Testing	01	05	2.5	05	Integrated Farming System Modules for doubling income of small farmers.
Front Line Demonstration	01	05	0.5	05	Demo. of cropping system Okra - Spinach - Onion.
Front Line Demonstration	01	10	1.00	10	Demo. of Plug tray for rising healthy seedling.
Front Line Demonstration	-	-	1.5	03	Demonstration of Garlic Variety- G-282

3. Activities for Crop Production

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted	Remarks
On Farm Testing	4.0	10	Assessment of maize variety PHM-3 in Kharif season
Front line demonstration	1.00	05	Demo. of IPM Module for the Management of Leaf curl virus in chilly
On Farm Testing	0.75	05	Asst. of IPM module for the management of fruit fly in cucurbits (bottle guard/ pumpkin)
On Farm Testing	0.75	05	Asst. of IDM Module for the management of Leaf curl virus in Tomato.
Production Technology of Chickpea	10	25	Demonstration under cluster Demonstration Chickpea

4. Activities for Livestock and Fisheries

Name of intervention undertaken	Numbers under taken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks
Nil	Nil	Nil	Nil	Nil	Nil

5. Activities for Livelihood Security to small and marginal land holders:-

Name of intervention undertaken	Numbers under taken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks
Nil	Nil	Nil	Nil	Nil	Nil

6. Activities for Institutional Interventions

Name of intervention undertaken	No of units	Area covered (ha)	No of farmers covered / benefitted	Remarks
Cluster Front Line Demonstrations	25	10	25	Integrated Nutrient Management in Soybean crop
IFFCO Trial on Soybean	10	4	10	INM in Soybean
IFFCo Trial on Maize	10	4	10	INM in Maize

7. Activities for Capacity Building

Thematic area	No. of Courses	No. of beneficiaries		
		Male	Female	Total
(FT) Importance of Soil Testing & Method, Demo. of Soil sampling	01	25	-	25
Improved Technology for Reduction of cost of cultivation	01	25	-	25
(FW) Integrated Pest Management	01	-	25	25
(FW) Health and Hygiene	01	-	25	25
(FW) Use of Plastic Mulch in vegetable crops	01	30	-	30
(FWT) Plug tray/Pro tray for rising healthy seedling	01	-	25	25
Nutrient Management in Rabi Crop	01	25	-	25

8. Extension Activities in Satellite Village

Thematic area	No. of activities	No. of beneficiaries		
		Male	Female	Total
(RDF)	02	25	-	25
(NRM) World Environment Day	01	52	-	52
Field Visit	7	80	-	80
Field Visit	8	130	-	130

Field Visit	01	-	15	15
Field Visit	04	23	-	23
Natural Resource Management	03	32	-	32
Swachhta Activity	01	-	17	17
Farmers field visit	07	45	-	45
Group Meeting	01	25	-	25
Horticulture	03	30	-	-
Field Visit	05	25	-	25
Field Day	02	28	05	33

29. Activities performed in Nutri-Smart Village

Information about Nutri-Smart Village

Name of KVK	Block	Village
SEHORE	Ichhawar	Narsinghkheda

1. Innovative practices to promote nutrition-sensitive agriculture and food security :

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention taken	Numbers under taken	Quantity (unit)	% change in Nutritional Status	No of beneficiaries
Diversification and intensification of production	FLD	Nutritional Security through Carotene rich durum wheat) Variety HI- 8663 (Poshan)	10	40 kg	In Progress	10
Nutrition sensitive livestock and fisheries	FLD	Demonstration of Backyard Poultry	15	40 No.	6.21	15
Biodiversity for food & nutrition including forest produces/ Minor Millets	-	-	-	-	-	-
Bio-fortification	-	-	-	-	-	-
Other (Pl. Specify)	FLD	Nutritional Garden	10		5.78	10

2. Value Chain And Village Trade related Issue:

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention taken	Numbers under taken	Quantity	% change in Nutritional Status	No of beneficiaries
Demand-supply dynamics and market intelligence by the women.	-	-	-	-	-	-
Processing and product development of NTFPs by women.	FLD	Value addition in Soybean	25		2.22	25
Food Fortification	Training	Preservation of Seasonal fruits & Vegetables	01		-	25
Technology adaptation mechanisms for nutritional security.	-	-	-	-	-	-
Economic empowerment through sustainable income generation among women.						
Other (Pl. Specify)	Training	Kitchen Gardening for Nutritional Security	01		-	25

3. Improving Maternal and Child Nutrition

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention taken	Numbers under taken	% change in Nutritional Status	No of beneficiaries
Strategies and programs for improved maternal nutrition-experiences	-	-	-	-	-
Community based strategies to enhance and sustain breast feeding practices and promote early childhood development.	-	-	-	-	-
Approaches to improve complementary foods and feeding practices.	-	-	-	-	-
Comprehensive approach to address acute malnutrition in children.	-	-	-	-	-
Improving nutrition among tribal population with community focus on first 1000 days.	-	-	-	-	-

4. Nutrition Literacy

Areas	Type of intervention taken (OFT/FLD/Training/ Extension Activity)	Name of intervention undertaken	Number of Courses	No of beneficiaries
Nutrition Education and Behaviour	Training	Nutritional Security through Carotene rich durum wheat) Variety HI-8663 (Poshan)	01	25
Micronutrient Supplementation	Extension Activity	Awareness Programme on Kitchen Garden	01	54
Adolescent and Maternal Nutrition	-	Kisan Mahila Diwas	01	90
Malnutrition Management Service	-	-	-	-
Other (Pl. Specify)	Training	Awareness cum training programme on Health & Hygiene	02	50
	Group Meeting	Awareness Programme on Nutritional Garden	01	20
	Extension Activity	Participatory Rural Appraisal (PRA)	01	65
		(SFM) Method Demonstration (Soil Sampling)	01	20
		(SFM) Campaign Programme	01	52
		Door To Door Meeting for Nutrition Awareness	01	20

5. Capacity development of women institutions/ SHGs/ FIGs/FPOs

Area	Name of intervention undertaken	Number of Courses	No of beneficiaries
Human Resource management for women	FWT (Management of Store grain pest training)	01	25
Capacity development through participatory method	Use in Kharif Crops of Organic pesticides & Its importance	01	25
Skill development	Kitchen Gardening in Back Yard	01	30
Other (Pl. Specify)	Value Addition, Preservation & Storage of Seasonal Food	01	20

6. Enabling Suitable governance and policy

Areas	Name of intervention taken	Numbers under taken	No of Courses	No of beneficiaries
Role of horticulture and Agriculture Engineering in Nutritional Security				
Climate Smart agriculture for Nutritional Security				
Other (Pl. Specify)				

7. Institutional Interventions in Collaboration (through KVK, Anganwadi of other Department) :-

Name of intervention undertaken	No of collaborative Department	No of beneficiaries	Remark
Orientation Training	01	40	Integrated Women & Child Development

Nutrition Garden	01	40	Training cum Awareness Programme
Grow what you eat ?	01	40	
Maternal & Child food and Health	01	40	

30. Activities for Sansad Adarsh Gram

Information about Sansad Adarsh Gram

Name of KVK	Block	Village
SEHORE	Budani	Jahanpur

1. **Technologies to be Demonstrated- Nil**

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
-	-	-	-	-	-

2**. Extension Activities – Nil**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
-	-	-	-	-

3. **Training Programme – Nil**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
-	-	-	-	-

35. Activities of NICRA (Only NICRA KVKs) – NA

1. **Technologies to be Demonstrated – Nil**

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2**. Extension Activities in NICRA Village**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

3. **Training Activities in NICRA Village**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

4**. Activities for Fodder Bank**

Established (Years)	Capacity	Current Status

5. **Activities for Seed Bank**

Established (Years)	Capacity	Current Status

6. **Public Representative/District Administration Visited in NICRA Village**

Name of Representative/Officer	Designation	Date of Visit	Any Special Remark by Visitors

7. Feedback of Farmers for future improvement, if any.
36. Proposed works under NAIP (in NAIP monitoring format)
37. Case study / Success Story to be developed –

Two best only in the following format

Name of the KVK , TITLE, Introduction, KVK intervention, Output, Outcome, Impact, 2-3 Photographs with caption in .jpeg format.

Sr. no.	Name of KVK	No. of success stories	No. of case studies
01	SEHORE	08	01

(Sandeep Todwal)
Head,
Krishi Vigyan Kendra, Sehore

CRDE- Krishi Vigyan Kendra, Sewania, District- Sehore (M.P.)

Success Story- Oilseed, Kharif -2018

Name of KVK	KVK-SEHORE
Crop and Variety	Soybean & JS-9560
Name of farmer & Address	Shri Mohan lal S/o Shri Bhagirath Village :- Golukhedi, Tehsil & Block – Ichhawar, Dist. Sehore (M.P.) - 466115 Mobile No. - 7772836226
Background information about farmer field	Shri Mohan lal S/o Shri Bhagirath holding 1.84 ha. area of land with all the facilities of crop cultivation. They fallow Soybean –Wheat, Soybean- Chickpea cropping System from last many years in irrigated situation. Soil in Medium black and Plain
Details of technology demonstrated	Optimum seed rate 75 kg./ha. + seed treatment with fungicide carboxin + Thirum @ 03 g./kg. seed followed by seed inoculation with Rhizobium & PSB liquid bio fertilizer @ 03 ml./kg. seed + Soil inoculation (Sagarika) Seaweed Fortified Granules 25 kg/ ha. + RDF as per STV @ 20:60:20:20 NPK&S kg./ha. + Foliar spray NPK 19:19:19
Institutional Involvement	• ICAR- ATARI, Zone –IX, Jabalpur (M.P.) • CRDE- Krishi Vigyan Kendra, Sewania, District- Sehore (M.P.) • Department of Farmer Welfare & Agriculture Development, Sehore (M.P.)
Success Point	➢ Highest benefit cost ratio in Recommended Practices as comparative to Farmer Practices. ➢ 28.0% yield increase in Demonstration due to integrated nutrient management. ➢ Seed treatment and Integrated Nutrient Management technology is easily is Demonstration and acceptable.
Farmer Feedback	Farmer Conveying with the Demonstrated Technologies. They gain more yield & Profit as Compared to farmers Practice. He Wants to spread his technology next year.

Outcome Yield (q/ha)	
- Demonstration	- 19.29 qtl/ha.
- Potential yield of variety/technology	- 20.00 qtl/ha.
- District average (Previous year)	- 12.41 qtl./ha.
- State average (Previous year)	- 11.64 qtl.ha.

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Specific Technology	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha	B:C ratio
Farmer practices	14.99	22321.00	52456.00	30135.00	2.35
Demonstration	29.00	23615.00	67527.00	43912.00	2.86
% Increase	**28.6**	**5.79**	**28.73**	**45.0**	**-**

Action Photographs

CRDE- Krishi Vigyan Kendra, Sewania, District- Sehore (M.P.)
Success Story- for recommended dose of plant nutrient in Soybean crops

Name of KVK	KVK-SEHORE
Crop and Variety	Soybean & JS- 9560
Name of farmer & Address	Sri Hemraj Kushwaha S/o Sri Khushi Lal Kushwaha Village- Bijlon, Block- Sehore, District- Sehore (M.P.) Mo. No. – 9752814052
Background information about farmer field	Sri Hemraj Kushwaha S/o Sri Khushi Lal Kushwaha holding 5.6 ha. area of land with all the facilities of crop production. He now grown Soybean, Maize and vegetable crop in Kharif season and Wheat, Chickpea, Garlic & Onion in Rabi season. In the year of 2017 Krishi Vigyan Kendra, Sewania, District- Sehore (M.P.) adopted this village and conducted many Trainings Programme, Demonstrations, and other extension activities. Mr. Hemraj Kushwaha attend all activities.

Soil Test Value

Available Nitrogen (kg./ha.)	*Available of Phophorus (kg./ha.)*	*Available of Potash (kg./ha.)*	*Available of Sulpher (kg./ha.)*	*Available of Zinc (kg./ha.)*
252	24	378	18	0.74

Technology Demonstration	Recommended dose of plant nutrient as per Soil Test Value (20:60:20:20) N,P,K & S (kg./ha.) as seed inoculation with Rhizobium & PSB

Importance Parameter	***Demonstration Plot***	***Control Plot***	***% Change***
No. of pods/plant	18.20	17.30	5.20
No. of grains/pod	2.25	1.95	15.8
Test weight (g.)	99.70	98.60	1.11
Yield (q/ha.)	16.63	13.47	23.45

Economic Performance	***Demonstration Plot***	***Control Plot***
Cost of Cultivation (Rs./ha.)	22250.00	20500.00
Gross income (Rs./ha.)	54879.00	44451.00
Net return (Rs./ha.)	32629.00	23951.00
B:C ration	2.46	2.16

Success Point	➢ All yield attribution No. of pods/plant, No. of grains/pod, Test weight (g.) yield (q/ha.) & economic performance, net income B:C ratio were found more in demonstration compare to farmer practice. The 23.45% more yield in demonstration proves response of plant nutrient application as per Soil Test Value and seed inoculation with Rihizobium & PSB

Action Photographs

CRDE- Krishi Vigyan Kendra, Sewania, District- Sehore (M.P.)

Success Story- Pulses, Rabi 2018-19

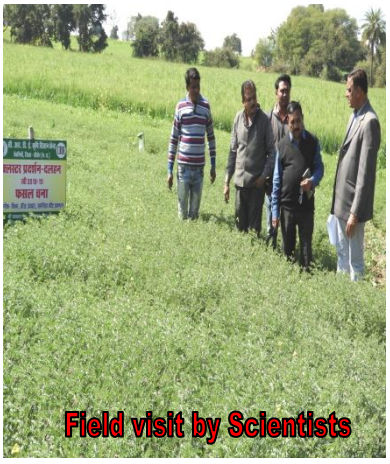
Name of KVK	KVK-SEHORE
Crop and Variety	Chick pea & RVG- 202
Name of farmer & Address	Mr. Avtar SinghS/o Sri Jamuna Prasad Village- Bichhia, Tehsil- Shyampu, Block- Sehore, Dist- Sehore (M.P.) Mo. No. - 9669708234
Background information about farmer field	Mr. Avtar Singh holding 1.4 ha. area of land with available facility of crop cultivation. They follow up Soybean –Wheat, Soybean –Chickpea cropping system from last many years irrigated situation. Soil is medium black and plain.
Technology Demonstration	Improved variety RVG-202 + optimum seed rate (75kg/ha.) + seed treatment with carbendazim + mancozeb (3 g./kg seed) + inoculation of soil with NPK consortia + Nutrient Management as per STV + IPM module (Pheromone Trap 10/ha. + Bird purcher @50/ha.) and need based application of insecticide
Institutional Involvement	• ICAR- ATARI, Zone –IX, Jabalpur (M.P.) • CRDE- Krishi Vigyan Kendra, Sewania, District- Sehore (M.P.) • Department of Farmer Welfare & Agriculture Development, Sehore (M.P.)
Success Point	➢ Highest benefit cost ratio in Recommended Practices as comparative to Farmer Practices. ➢ 32.0% yield increase in Demonstration due to technology. ➢ Technology is easily is Demonstration and acceptable.
Farmer Feedback	Farmer Conveying with the Demonstrated Technologies. They gain more yield & Profit as Compared to farmers Practice. He Wants to spread his technology next year.

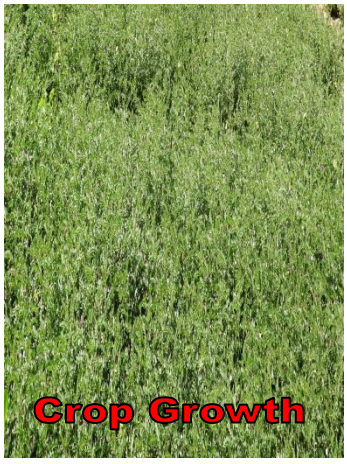
Outcome Yield (q/ha)	
- Demonstration	- 21.09 qtl/ha.
- Potential yield of variety/technology	- 20-25 qtl/ha.
- District average (Previous year)	- 12.65 qtl./ha.
- State average (Previous year)	- 11.15 qtl.ha.

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Specific Technology	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha	B:C ratio
Farmer practices	15.97	22850.00	70287	47437	3.07
Demonstration	21.09	23950.00	92807	68857	3.87
% Increase	**32.0**	**4.81**	**32.0**	**45.1**	**-**

Action Photographs





CRDE- Krishi Vigyan Kendra, Sewania, District- Sehore (M.P.)

Success Story- FLD Demonstration of Wheat Variety HI-8713 (Pusa Mangal)

Name of KVK	KVK-SEHORE
Crop and Variety	Wheat & HI- 8713 (Pusa Mangal)
Name of farmer & Address	Mr. Govind Meena S/o Sri Laxami Narayan Village- Kothara Pipalya, Block- Nasrullaganj, Dist- Sehore (M.P.) Mo. No.- 9617973569
Background information about farmer field	Mr. Govind Meena land holding 1.8 ha. area of land with all facilities of crop cultivation. They follow up Soybean- Wheat – Green gram, Soybean-Chickpea cropping system last many year in irrigated situation. Soil is deep black and plain. In the year 2016 adopted he village by Krishi Vigyan Kendra, Sehore. Mr. Govind participate various trainings, visits, demonstration & other extension activities under KVK guidance.
Area (ha.)	0.4
Technology Demonstration	Improved Wheat variety HI- 8713 (Pusa Mangal)
Institutional Involvement	• ICAR- ATARI, Zone –IX, Jabalpur (M.P.) • CRDE- Krishi Vigyan Kendra, Sewania, District- Sehore (M.P.)
Demonstration Yield	64.58 Q/ha.

Finding Result

Important Parameter	Variety /Intervention	Local/Control
Plant population (m^2)	43.80	44.75
No. of effective tillers/plant	6.79	5.85
No. of kernel/ ear	45.83	43.89
Test weight (g.)	47.38	46.28
Yield (q/ha.)	64.58	53.18

Economic Performance

Practice	*Yield (q/ha.)*	*Cost of cultivation (Rs./ha.)*	*Gross income (Rs./ha.)*	*Net income (Rs./ha.)*	*B:C ratio*	*% increase income*
Farmer	53.18	25595.00	98918.00	73323.00	2.86	-
Recommended	64.58	25995.00	123248.00	97253.00	3.74	32

Success Point	➢ Highest benefit cost ratio in Recommended Practices as comparative to Farmer Practices. ➢ 21.43% yield increase in Demonstration due to high yielding variety. ➢ Technology is easily is Demonstration and acceptable.
Farmer Feedback	Farmer Conveying with the Demonstrated Technologies. They gain more yield & Profit as Compared to farmers Practice. He Wants to spread his technology next year.


Field visit by Scientist

Field Day


Mature crop

CRDE- Krishi Vigyan Kendra, Sewania, District- Sehore (M.P.)

Success Story- Integrated Pest Management in Soybean, Kharif -2018

Name of KVK	KVK-SEHORE
Crop and Variety	Soybean & JS-9560
Name of farmer & Address	Mr. Balram Kushwaha S/o Sri Kaluram Kushwaha Village- Bichhia, Tehsil- Shyampur, Block- Sehore (Dist- Sehore (M.P.) Mo. No. - 9200891034
Background information about farmer field	Mr. Balram Kushwaha land holding 2.0 ha. with all facilities of crop cultivation. They follow up Soybean- Wheat, Soybean- Chickpea, Vegetable-Wheat cropping system for many years in irrigated situation. Soil deep black & plain.
Area (ha.)	0.4
Technology Demonstration	Summer Deep Ploughing in 03 year once + optimum seed rate (75 kg./ha.) + Bird purcher @50No./ha. + seed treatment with imidachloroprid (Gaucho) 48%fs + 1.2 ml./kg. seed + Pheromone trap10No./ha. + need based application of profenophos 50% EC @1 lit./ha.
Institutional Involvement	• ICAR- ATARI, Zone –IX, Jabalpur (M.P.) • CRDE- Krishi Vigyan Kendra, Sewania, District- Sehore (M.P.) • Department of Farmers Welfare & agri. Development, Dist- Sehore (M.P.)
Success Point	➢ Highest benefit cost ratio in Recommended Practices as comparative to Farmer Practices. ➢ 26.25% yield increase in Demonstration due to Integrated Pest Management. ➢ SDP in 03 year once, seed treatment, IPM practices easy adopted and acceptable.
Farmer Feedback	Farmer Conveying with the Demonstrated Technologies. They gain more yield & Profit as Compared to farmers Practice. He Wants to spread his technology next year.
Outcome Yield (Q/ha.)	Demonstration - 17.85 qtl./ha. Potential yield of variety – 20-25 qtl./ha.

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Specific Technology	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha	B:C ratio
Farmer practices	12.55	24600.00	40160.00	15560.00	1.63
Demonstration	17.85	26100.00	57120.00	31020.00	2.19
% Increase	**42.22**	**6.09**	**42.22**	**99.35**	**-**

Action Photographs