

# **ANNUAL PROGRESS REPORT**

**January 2020 to December 2020**

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## **Instructions for Filling the Format**

- 1. Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required.**
- 2. Do not merge columns, rows.**
- 3. Please repeat the name of KVK in each table in the column “Name of KVK”**
- 4. Do not fill the non-numerical values in numeric field**
- 5. Do not repeat the unit while reporting data as it is already mentioned in the heading row**
- 6. Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit**
- 7. Please mention only standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)**
- 8. Additional relevant information may be provided at the end of Format by creating heading “Additional Information”**
- 9. Also read the instructions mentioned just below the table**
- 10. Your suggestions for improvement in the format for your simplicity as well as data compilation may be given at the end of the format**
- 11. Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**
- 12. Grey color cells in summary table need not to be filled.**
- 13. Crop name should be spelled correct and standard English name should be used i.e Cereals, Pulses, Oilseed:- Rice (not use Paddy), Wheat, Barley, Kodo, Kutki, Maize, Jwar, Bajra, Pigeon pea (not use Tur, Arhar, Red gram), Blackgram (not use Urd), Greengram (not use Moong/Moongbean), Chickpea (not use Gram, Chana), Field pea, Horse gram (Kulthi), Lentil, Mustard (not use Rai, Sarsoan), Soybean, Linseed, Groundnut, Sesame (not use Til), Niger (not use Ram Til), Safflower (not use Kusum).  
Vegetable:- Vegetable pea, Bottle guard, Bitter guard, Okra (not use Bhindi or Lady finger).  
Fruits:- Mango, Guava, Custard apple, Pear etc.  
Spices:- Black Peeper, Turmeric, Ginger, Cardamom etc.**

**REPORTING PERIOD – January 2020 to December 2020**  
**Summary of KVK Annual Report (Quantifiable Achievement) for the year 2020**

**i. OFT and FLD**

S.No.	KVK Name	Activity	Achievement	
			Number of activity	No. of farmers/ beneficiaries
<b>1</b>		<b>OFT</b>	<b>33</b>	<b>495</b>
<b>a.</b>		<b>OFT- Crops (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry etc)</b>		
➤		Proposed OFT	<b>18</b>	<b>90</b>
➤		On Going OFT	<b>2</b>	<b>10</b>
➤		Technologies assessed (Completed OFT)	<b>16</b>	<b>80</b>
➤		Technologies refined		
<b>b.</b>		<b>OFT- Agriculture Engineering</b>		
➤		Proposed OFT		
➤		On Going OFT		
➤		Technologies assessed (Completed OFT)		
➤		Technologies refined		
<b>c.</b>		<b>OFT- Animal Science</b>		
➤		Proposed OFT	<b>5</b>	<b>25</b>
➤		On Going OFT		
➤		Technologies assessed (Completed OFT)	<b>5</b>	<b>25</b>
➤		Technologies refined		
<b>d.</b>		<b>OFT- Fisheries</b>		
➤		Proposed OFT		
➤		On Going OFT		
➤		Technologies assessed (Completed OFT)		
➤		Technologies refined		
<b>e.</b>		<b>OFT- Extension</b>		
➤		Proposed OFT	<b>4</b>	<b>350</b>
➤		On Going OFT		
➤		Technologies assessed (Completed OFT)	<b>4</b>	<b>350</b>
➤		Technologies refined		
<b>f.</b>		<b>OFT- Home Science</b>		
➤		Proposed OFT	<b>6</b>	<b>30</b>
➤		On Going OFT		
➤		Technologies assessed (Completed OFT)	<b>6</b>	<b>30</b>
➤		Technologies refined		
		<b>Activity</b>	<b>Area (ha) / no. of</b>	<b>No. of farmers/</b>

			Unit/Enterprise	beneficiaries
<b>2</b>		<b>FLD</b>	<b>9</b>	<b>90</b>
a.		CFLD-Oilseed (in ha)		
b.		CFLD-Pulses (in ha)		
c.		<b>FLD- Crop All(other than CFLD) (in ha)</b>		
➤		Proposed Frontline demonstrations	5	50
➤		On Going Frontline demonstrations	4	40
➤		Completed Frontline demonstrations	1	10
d.		<b>FLD- Agriculture Engineering (in ha)</b>		
➤		Proposed Frontline demonstrations		
➤		On Going Frontline demonstrations		
➤		Completed Frontline demonstrations		
e.		<b>FLD - Animal Science (in ha for fodder/ no. of Unit/Enterprise)</b>		
➤		Proposed Frontline demonstrations	2	20
➤		On Going Frontline demonstrations	2	20
➤		Completed Frontline demonstrations		
f.		<b>FLD - Fisheries (in ha/ no. of Unit/ Enterprise)</b>		
➤		Proposed Frontline demonstrations		
➤		On Going Frontline demonstrations		
➤		Completed Frontline demonstrations		
g.		<b>FLD - Home Science (in ha/ no. of Unit/Enterprise)</b>		
➤		Proposed Frontline demonstrations	2	20
➤		On Going Frontline demonstrations	2	20
➤		Completed Frontline demonstrations		

## ii. Other Activities

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	Training programmes	No. of Course	Duration (days)	Participants
	Farmers	105	1	1233
	Farm women	105	1	424
	Rural youth	8	5	72
	Extension personnel/ In service	3	1	38
	Vocational trainings	3	10	40
	Sponsored Training	1	1	211
	<b>Total</b>	120		1693
		<b>No. of programmes</b>	<b>Participants</b>	
1	<b>Extension Programmes</b>	103		962

<b>3</b>	<b>Production of technology inputs etc</b>	<b>Qty</b>	<b>Beneficiaries (nos.)</b>
	Seed (qt.)	220	265
	Planting material produced (nos.)	1000	20
<b>4</b>	<b>Livestock</b>	<b>Qty</b>	<b>Beneficiaries (nos.)</b>
	Livestock strains ( Nos)	121	246
	Milk Yield - Cow, Buffelo etc. (in liter)		
	Fish (Kg.)		
	Fingerlings (nos.)		
	Poultry-Eggs (nos.)		
	Ducks (nos.)		
	Chicks etc. (nos.)		
<b>5</b>	<b>Bio Products</b>	<b>Qty</b>	<b>Beneficiaries (nos.)</b>
	Bio Agents -Earth worm (Kg.)		
	Trichoderma (kg.)		
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	<b>345</b>	218
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)		
<b>6</b>	<b>Any other significant achievement in the Zone</b>	<b>Nos.</b>	<b>Participants/ beneficiaries</b>
	Award (Best KVK award and scientist and farmer's award)		
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)		
	KVK News letter	2000	1500
	SAC Meetings conducted	2	55
	Soil sample tested	78	78
	Water sample tested		
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)		
	KVK-KMA (Message sent and beneficiaries)	33	53875
	Convergence programmes		
	Sponsored programmes		
	KVK Progressive Farmers interaction		
	No. of Technology Week Celebrations		
	Attended HRD activities organized by ZPD		
	Attended HRD activities organized by DES		
	Attended HRD activities by KVK Staff(Refresher/Short course, Training programme etc. )		
<b>7</b>	<b>Current status of Revolving Funds (Amt. in Rs.)</b>		

<b>8</b>		<b>No. of blocks</b>	<b>No. of villages</b>
	Outreach of KVK in the District	7	927
<b>9</b>		<b>ICAR</b>	<b>SAU</b> <b>Others</b>
	No. of important visitors to KVK (nos.)		
<b>10</b>		<b>Working (Yes/No)</b>	<b>No. of Update</b>
	Status of KVK Website	YES	112
<b>11</b>		<b>Application received</b>	<b>Application disposed</b>
	Status of RTI (nos.)		
<b>12</b>		<b>Query received</b>	<b>Query dissolved</b>
	Citizen Charter (nos.)		
<b>13</b>		<b>Filled</b>	<b>Vacant</b>
	Staff Position	13	03
<b>14</b>	Workshop/ Seminar/ Conference attended by staff of KVK ( nos)		
<b>15</b>	Publication received from ICAR /other organization (nos.)		
<b>16</b>		<b>Particulars</b>	<b>Organization</b>
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)		
		<b>Nos. of Activities</b>	<b>Participants/ beneficiaries</b>
<b>17</b>	Activities performed in Sansad Adarsh Gram		
<b>18</b>	Activities performed in DFI Village	<b>Nos. of Activities</b>	<b>Participants/ beneficiaries</b>
<b>19</b>	Activities performed in Nutri Smart Village	<b>Nos. of Activities</b>	<b>Participants/ beneficiaries</b>
		OFT	
		FLD	
		Trainings	
		Extension activities	
<b>20</b>	Current status of Contingency ( Amt. in Rs.)		

# 1. GENERAL INFORMATION

## 1.1. Staff Position (as on date)

Summary of Staff position in KVKs on December, 2020

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category	Mobile Number	Email-id
	Sr. Scientist & Head	Sr. Scientist & Head	VACANT								
	SMS/ Scientist 1	SMS/ Scientist 1	Shri Brajesh Kumar Namdev	Plant Protection	M.Sc.	Agriculture Entomology	15600-39100+5400 Grade Pay	01.03.2018	Temporary	9770374647	<a href="mailto:brajeshhnamdev1607@gmail.com">brajeshhnamdev1607@gmail.com</a>
	SMS/ Scientist 2	SMS/ Scientist 2	Dr. Sanjeev Kumar Garg	Agriculture Extension	P.h.D	Agriculture Extension	15600-39100+5400 Grade Pay	05.03.2018	Temporary	9074929751	<a href="mailto:agrisanjeev75@gmail.com">agrisanjeev75@gmail.com</a>
	SMS/ Scientist 3	SMS/ Scientist 3	DrDevidas Patel	Plant Breeding	P.h.D	Plant Breeding and Genetics	15600-39100+5400 Grade Pay	05.03.2018	Temporary	9424854251	<a href="mailto:devidaspatel24@gmail.com">devidaspatel24@gmail.com</a>
	SMS/ Scientist 4	SMS/ Scientist 4	ShriLavesh Kumar Chourasia	Horticulture	M.Sc.	Horticulture -Vegetable Science	15600-39100+5400 Grade Pay	09.03.2018	Temporary	9425990334	<a href="mailto:laveshchourasia@gmail.com">laveshchourasia@gmail.com</a>
	SMS/ Scientist 5	SMS/	Dr.	Home	P.h.D	Home	15600-	15.03.20	Temporary	9425814	<a href="mailto:akancha">akancha</a>



Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category	Mobile Number	Email-id
		Scientist 5	Akanchha Pandey	Science		Science	39100+5400 Grade Pay	18		702	<a href="mailto:ha.pandey3190@gmail.com">ha.pandey3190@gmail.com</a>
	SMS/ Scientist 6	SMS/ Scientist 6	Dr. Diwakar Verma	Livestock Production and Management	Mvsc.	Livestock Production and Management	15600-39100+5400 Grade Pay	13.04.2018	Temporary	8004115422	<a href="mailto:diwakarverma.10@gmail.com">diwakarverma.10@gmail.com</a>
	Programme Assistant	Programme Assistant	Dr. Praveen Solanki	Lab technician	P.h.D	Environmental Science	9300-34800+ Grade Pay 4200	13.03.2018	Temporary	9893308407	<a href="mailto:praveen.solaneki746@gmail.com">praveen.solaneki746@gmail.com</a>
	Farm Manager	Farm Manager	Shri Pankaj Sharma	Farm Manager	M.Sc	M.Sc. Agriculture	9300-34800+ Grade Pay 4200	09.03.2018	Temporary	9713309916	<a href="mailto:prs2590@gmail.com">prs2590@gmail.com</a>
	Computer Programmer	Computer Programmer	Shri Rahul Majhi	Computer Programmer	BE Computer Science	B.E- IT	9300-34800+ Grade Pay 4200	05.03.2018	Temporary	7049488553	<a href="mailto:rahulmajhi1989@gmail.com">rahulmajhi1989@gmail.com</a>
	Accountant / superintendent	Accountant / superintendent	Shri Vikas Mohrarir	Accountant	PG	MBA	9300-34800+ Grade Pay 4200	01.03.2018	Temporary	9893780803	<a href="mailto:vm.viraj2011@gmail.com">vm.viraj2011@gmail.com</a>
	Stenographer	Stenographer	VACANT								
	Driver	Driver	Shri Omkarsingh Rajput	Driver	Graduation	Driver	5200-20200+ Grade Pay 2000	03.08.2018	Temporary		
	Driver	Driver	VACANT								
	Supporting staff, if	Supporting	Shri Jitendra	Skill Support	Graduation		5200-	15.03.20	Temporary	9713949	<a href="mailto:Jitendr">Jitendr</a>

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category	Mobile Number	Email-id
	any	staff, if any	Kumar Jain				20200+ Grade Pay 1800	18		900	<a href="mailto:akumarajain68@gmail.com">akumarajain68@gmail.com</a>
	Supporting staff, if any	Supporting staff, if any	Shri PiyushJha	Skill Support	Graduation		5200- 20200+ Grade Pay 1800	05.08.2018	Temporary		

### 1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
	Central Narmada Valley	7	424	12,40,975	810,644	402307	136223	2.38

### 1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
	Tindwada	2018-19	Bankhedi	5 kms	1162	132
	Kothri	2018-19	Bankhedi	16 kms	1030	48
	Chakar	2018-19	Pipariya	60 kms	290	141
	Jasarwani	2018-19	Bankhedi	16 kms	1105	273
	Chatter	2018-19	Bankhedi	16 kms	455	71

#### 1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
	Organic Farming
	Employment generation
	Resource base Livelihood
	Milch animal-based production system
	Nutritional security for farm women & children

#### 1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
	Backyard is not utilized for an economic activity by resource poor small and marginal farmwomen	Field visit, RRA, meeting with agriculture & allied department officers	Dahalwada, Junavanidhana, Tindwada
	Low yield of Tomato due to incidence of Leaf Curl Virus and Early blight	Filed visit, RRA, meeting with agriculture & allied department officers	Paliyapipariya, Malahnwada, Machera, Paraswada, khapa
	Low economic return due to cultivation of old varieties of cabbage	Filed visit, RRA, meeting with agriculture & allied department officers	Junehta ,anhai, vijanhai
	During early stage of sugarcane growth (April to July) the interspace remains unutilized	Filed visit, RRA, meeting with agriculture & allied department officers	Junehta ,anhai, vijanhai
	Chilli crop grown on flat bed during kharif due to water logging and pest attack	Filed visit, RRA, meeting with agriculture & allied department officers	Panbari, Raipur,
	Farmers grow traditional horticultural crops	Filed visit, RRA, meeting with agriculture & allied department officers	Rohana, Tindwada, PaliyaPiparia, Chakar
	Manually harvesting is more time taking and costly	Filed visit, RRA, meeting with agriculture & allied department officers	
	Farmers grow long duration varieties	Filed visit, RRA, meeting with agriculture & allied department	

		officers	
	Maize is generally grown as Kharif crop	Filed visit, RRA, meeting with agriculture & allied department officers	
	Women in villages are weak and appear malnourished	Filed visit, RRA, meeting with agriculture & allied department officers	Chakar, Matkuli
	Minor millets are not grown in the district	Filed visit, RRA, meeting with agriculture & allied department officers	Chakar, Matkuli
	Old crop varieties grown have poor nutritional value	Filed visit, RRA, meeting with agriculture & allied department officers	Chakar, Matkuli
	Biofortified foods are not popular in the district	Filed visit, RRA, meeting with agriculture & allied department officers	Chakar, Matkuli
	Residue management information do not reach farmers in time	Filed visit, RRA, meeting with agriculture & allied department officers	
	Fertilizer application not on SHC based recommendation	Filed visit, RRA, meeting with agriculture & allied department officers	
	Low yield of crop in Soybean- Chickpea / Rice- Chickpea-Greengram cropping system	Filed visit, RRA, meeting with agriculture & allied department officers	
	Organic farming is not practices to less availability of inputs	Filed visit, RRA, meeting with agriculture & allied department officers	
	New initiation of IFFCO Nano Fertilizers,	Filed visit, RRA, meeting with agriculture & allied department officers	
	Imbalanced use of nutrients in Green gram	Filed visit, RRA, meeting with agriculture & allied department officers	
	Imbalanced use of nutrientRepeated	Filed visit, RRA, meeting with agriculture & allied department officers	

## 2. On Farm Testing (OFT)

### Note-

- ❖ Thematic area should be spelled correct and select only on the given list.
- ❖ Crop name should be spelled correct and standard English name should be used i.e Chick pea in place of gram/chana , Paddy in place of Rice/chawal , brinjal in place of egg plant/bhata/baigan etc.
- ❖ Don't press enter key to navigate among column use arrow or tab key
- ❖ don't add space before or after statement within the table cell
- ❖ Kindly mention realistic estimated yield of your crop under trail.
- ❖ If crop has been not yet harvested, mark it \* on that

### Thematic Areas for OFT/FLD

Thematic Areas for OFT/FLD	Parameters Name and unit
<b>OFT/FLD on Crops</b>	
Agro Forestry	Yield q/ha
Crop Diversification	insect population/plant
Integrated Crop Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod
Integrated Farming system	Rhizome wt/Plant(g)
Integrated Disease Management	Disease incidence (%)
Integrated Nutrient Management	No of effective tillers/hill
Integrated Weed Management	No of weeds/m <sup>2</sup>
Varietal Evaluation	Plant Height( cm), No of pods/plant, No of Siliquae/plant, No. of Grain / pod, Fruit wt(g)
Integrated Pest Management	Insect Infestation ( %), No. of Larvae or insect / meter row length
Integrated Plant Nutrient Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod Fruit Length(cm) , Fruit wt(g), No of nodules/plant
Feed and Fodder Production	Fruit Length(cm) ,
Resource conservation Technology	Plant Height( cm),
Soil Fertility Management	No of Cobs/plant
	No of Larvae/m <sup>2</sup>
	No of Panicles/m <sup>2</sup>
	No of Tillers/hills
	No of Bulb weight(g)
	No of Grains/panical
	No. of tubers/plant
	Weight of Curd/head (g/plant)
	No. of Siliquae or Capsule /plant
	Seedling Germination (%)
<b>OFT/FLD on Agriculture Engineering</b>	
Farm Mechanization	Yield (q/ha)
Resource Conservation Technology	Field Capacity (ha/hr)

Post-Harvest Management	Cleaning efficiency %
Storage loss minimization Technology	Cleaning Capacity q/hr
Small Farm Implements	weed population per m2
	tillers/plant
	water inefficiency
	irrigation efficiency
<b>OFT/FLD on Animal Science</b>	
<b>Animal Feed / Fodder Management</b>	<b>Milk yield (Lit/day/animal)</b>
<b>Animal Disease Management</b>	<b>Change in body weight(kg)</b>
<b>Animal Nutrition Management</b>	<b>Egg Production/bird/year</b>
<b>Livestock production &amp; management</b>	<b>% decrease in Worm</b>
<b>Animal breed evaluation</b>	<b>Parasite control (%)</b>
<b>Poultry Production and management</b>	<b>Body weight at 6 month (kg/goat)</b>
	<b>Parasite infestation (%)</b>
	<b>Live weight (kg/bird) at 3 Month</b>
	<b>Growth Rate (90 days)</b>
	<b>Yield q/ha (Fodder)</b>
	<b>Mortality %</b>
	<b>Feed intake(%)</b>
	<b>Disease infestation(%)</b>
<b>OFT/FLD on Fisheries</b>	
Fingerling Production in Seasonal Ponds	Yield (q/ha)
Composite Fish Farming	Yield (q/ha), ABW (kg)
Fish Nutrition	Survival Rate (%)
Fish-cum-Duck Farming	Disease incidence (%)
Fish Production & Management	
Fish Breeding	
Fish Seed Production	
Spawn to fry production	
Integrated Farming System	

## 1. Information about Horticulture OFT:

<b>Name of Discipline</b> (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Horticulture
<b>Title of on-farm trial:</b>	Assessment of HYV variety Kashi Aman of Tomato
<b>Year/Season:</b>	2019-20 Rabi (2nd Year)
<b>Farming situation:</b>	irrigated
<b>Problem diagnosis:</b>	Low yield of Tomato due to Leaf Curl Virus and Early blight
<b>Thematic area:</b>	Varietal Evaluation
<b>No of trials:</b>	5
<b>No. of farmers involved</b>	5
<b>Type of OFT (Assessment/ Refinement):</b>	Assesment
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	use of local variety of tomato
T2 –Recommended Practice-	Kashi Aman of Tomato resistant of leaf curl
T3- Recommended Practice-	Nil
<b>Date of sowing:</b>	October 2019
<b>Date of harvesting:</b>	April 2020
<b>Source of technology:</b>	IIVR Varanasi
<b>Characteristics of technology:</b>	Leaf curl disease resistant variety
<b>Name of Crop/Enterprises:</b>	Tomato
<b>Recommendations for Farmers</b>	use of local variety of tomato
<b>Recommendations for Deptt. Personnel</b>	Tomato Kashi Aman is resistant of leaf curl and should be promoted by deptt. Personal
<b>Feedback</b>	Tomato Kashi Aman is appreciated by farmers

**Result:** (Economic Performance of OFT)

Details of technology	Name and Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield q/ha	293	60,000	117200	57200	1.95
T2(Recommended Practice)	Yield q/ha	396	60,000	158400	98400	2.64
T3(Recommended Practice)						

## 2. Information about Horticulture OFT:

<b>Name of Discipline</b> (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Horticulture
<b>Title of on-farm trial:</b>	Assessment of Improved Variety of Cabbage Pusa Mukta
<b>Year/Season:</b>	2019-20 Rabi (2nd Year)
<b>Farming situation:</b>	irrigated
<b>Problem diagnosis:</b>	Low economic return due to lack of knowledge about improved variety
<b>Thematic area:</b>	Varietal Evaluation
<b>No of trials:</b>	5
<b>No. of farmers involved</b>	5
<b>Type of OFT (Assessment/ Refinement):</b>	Assessment
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	use of local variety of cabbage
T2 –Recommended Practice-	Pusa Mukta of cabbage
T3- Recommended Practice-	Nil
<b>Date of sowing:</b>	October 2018
<b>Date of harvesting:</b>	April 202019
<b>Source of technology:</b>	Pusa New Delhi
<b>Characteristics of technology:</b>	Highy yielding variety
<b>Name of Crop/Enterprises:</b>	Cabbage
<b>Recommendations for Farmers</b>	Farmers should grow this variety
<b>Recommendations for Deptt. Personnel</b>	Deptt. Personal should promote this variety
<b>Feedback</b>	Pusa Mukta is good variety and appreciated by farmers

**Result:** (Economic Performance of OFT)

Details of technology	Name and Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield q/ha	167	46000	83500	37500	1.81
T2(Recommended Practice)	Yield q/ha	213	46000	106500	60500	2.31



### 3. Information about Horticulture OFT:

<b>Name of Discipline</b> (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Horticulture
<b>Title of on-farm trial:</b>	Assessment of Coriander for leaves as intercrop in sugarcane
<b>Year/Season:</b>	2020/Jayad (2nd Year)
<b>Farming situation:</b>	irrigated
<b>Problem diagnosis:</b>	April to July interspace between rows of sugarcane remains unutilized
<b>Thematic area:</b>	Integrated Farming System
<b>No of trials:</b>	1
<b>No. of farmers involved</b>	5
<b>Type of OFT (Assessment/ Refinement):</b>	Assessment
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Inter space between rows of sugarcane is unutilized
T2 –Recommended Practice-	Sowing of Coriander for green leaves in the second week of
T3- Recommended Practice-	-
<b>Date of sowing:</b>	March 2020
<b>Date of harvesting:</b>	May 2020
<b>Source of technology:</b>	IIHR Bangalore
<b>Characteristics of technology:</b>	High Yielding Variety
<b>Name of Crop/Enterprises:</b>	Coriander
<b>Recommendations for Farmers</b>	Farmers should grow coriander in between sugarcane in summer season
<b>Recommendations for Deptt. Personnel</b>	Deptt. Personal should promote intercropping in sugarcane crop
<b>Feedback</b>	Farmer can get additional income by intercropping of coriander in sugarcane crop

**Result:** (Economic Performance of OFT)

Details of technology	Name and Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield q/ha	-	-	-	-	-
T2(Recommended Practice)	Yield q/ha	10.4	32000	83200	51200	2.6
T3(Recommended Practice)						

#### 4. Information about Horticulture OFT:

<b>Name of Discipline</b> (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Horticulture
<b>Title of on-farm trial:</b>	Assessment of ridge & furrow method for Kharif chilli Kashi Ratna production
<b>Year/Season:</b>	Kharif 2020 (1st Year)
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	farmers grow chilly in flat bed so due to water logging conditions crop damaged
<b>Thematic area:</b>	Varietal Evaluation
<b>No of trials:</b>	1
<b>No. of farmers involved</b>	5
<b>Type of OFT (Assessment/ Refinement):</b>	Assessment
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Old variety and Flatbed transplanting
T2 –Recommended Practice-	Kashi Ratna variety & ridge & furrow transplanting and using IPM tools
T3- Recommended Practice-	
<b>Date of sowing:</b>	June 2020
<b>Date of harvesting:</b>	October 2020
<b>Source of technology:</b>	IIVR Varanasi
<b>Characteristics of technology:</b>	Kashi Ratna resistant to abiotic stress (low and high temperature), yield 20-22 t/ha.
<b>Name of Crop/Enterprises:</b>	Chilly
<b>Recommendations for Farmers</b>	1 <sup>st</sup> Year feedback can be given after 2 <sup>nd</sup> year result
<b>Recommendations for Deptt. Personnel</b>	1 <sup>st</sup> Year feedback can be given after 2 <sup>nd</sup> year result
<b>Feedback</b>	1 <sup>st</sup> Year feedback can be given after 2 <sup>nd</sup> year result

**Result:** (Economic Performance of OFT)

Details of technology	Name and Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield q/ha	193.83	164450	290745	126295	1.77
T2(Recommended Practice)	Yield q/ha	216.5	137533.33	324750	187216.67	2.36

## 5. Information Crop Production OFT:

<b>Title of on-farm trial:</b>	Assessment of Improved JR-81 variety of rice (under rice-wheat cropping system)
<b>Year/Season:</b>	Kharif 2020
<b>Farming situation:</b>	irrigated
<b>Problem diagnosis:</b>	High seed rate and long duration varieties of rice
<b>Thematic area:</b>	CP
<b>No of trials:</b>	1
<b>No. of farmers involved</b>	5
<b>Type of OFT (Assessment/ Refinement):</b>	Assessment
<b>T1 – Farmers Practice-</b>	Farmers practice (use of old varieties)
<b>T2 –Recommended Practice-</b>	JR-81 (yield 50-55 q/ha)
<b>T3- Recommended Practice-</b>	-
<b>Date of sowing:</b>	June-July 2020
<b>Date of harvesting:</b>	Oct-Nov 2020
<b>Source of technology:</b>	JNKVV, JABALPUR
<b>Characteristics of technology:</b>	Early maturity, more number of tillers per plant, high yield
<b>Name of Crop/Enterprises:</b>	Paddy
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

### Result: (Economic Performance of OFT)

Details of technology	Name of Parameter (No of Tillers/plant)	Unit of Parameter Yield (q/ha)	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	10	47.40	52400	89349.00	34000	1.70
T2(Recommended Practice)	12	53.50	49460	100847.5	50400	2.03

## 6. Information about Crop ProductionOFT:

Result: (Economic Performance of OFT)

<b>Title of on-farm trial:</b>		Assessment of Improved JW 3288 variety of wheat (under rice-wheat cropping system)				
<b>Year/Season:</b>		Rabi 2020				
<b>Farming situation:</b>		Irrigated				
<b>Problem diagnosis:</b>		Low yield due to use of old variety				
<b>Thematic area:</b>		CP				
<b>No of trials:</b>		05				
<b>No. of farmers involved</b>		05				
<b>Type of OFT (Assessment/ Refinement):</b>		Assessment				
<b>T1 – Farmers Practice-</b>		Farmers practice (use of old varieties of wheat)				
<b>T2 –Recommended Practice-</b>		Use of ImprovedJW-3288 of Wheat				
<b>T3- Recommended Practice-</b>		Nil				
<b>Date of sowing:</b>		05/11/2019				
<b>Date of harvesting:</b>		15/03/2020				
<b>Source of technology:</b>		JNKVV, Jabalpur				
<b>Characteristics of technology:</b>		Suitable under Restricted irrigation condition, Bold grain, non lodging and non shattering, resistant to rust				
<b>Name of Crop/Enterprises:</b>		Wheat				
<b>Recommendations for Farmers</b>		100 kg seeds/ha				
<b>Recommendations for Deptt. Personnel</b>						
<b>Feedback</b>		Good under Restricted irrigation condition and resistant to rust				
<b>Details of technology</b>	<b>Name of Parameter</b>	<b>Unit of Parameter</b>	<b>Average Cost of cultivation (Rs/ha)</b>	<b>Average Gross Return (Rs/ha)</b>	<b>Average Net Return (Rs/ha)</b>	<b>Benefit-Cost Ratio (Gross Return / Gross Cost)</b>
T1 (Farmers Practice)	7	45.34	30438.70	89999.8	59561.1	2.95
T2(Recommended Practice)	11	51.05	29729.50	100334.9	71704.7	3.42

## 7. Information about Crop Production OFT:

<b>Title of on-farm trial:</b>	Assessment of improved variety RVSKVV of chickpea
<b>Year/Season:</b>	Rabi 2020
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Low yield due to use of old variety
<b>Thematic area:</b>	CP
<b>No of trials:</b>	05
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment/ Refinement):</b>	Assessment
<b>T1 – Farmers Practice-</b>	Farmers practice (use of old varieties of chickpea)
<b>T2 –Recommended Practice-</b>	Use of Improved RVSKVV of chickpea
<b>T3- Recommended Practice-</b>	Nil
<b>Date of sowing:</b>	26/11/2019
<b>Date of harvesting:</b>	11/03/2020
<b>Source of technology:</b>	RVSKVV, Gwalior
<b>Characteristics of technology:</b>	Large seeded kabuli, early maturing, moderately resistant to wilt.
<b>Name of Crop/Enterprises:</b>	Chickpea
<b>Recommendations for Farmers</b>	Seed treatment with Bio fertilizer,
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	Good crop but crop damaged by peg

**Result:** (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield/ha.	14.2	23053	69225	46172	3.00
T2(Recommended Practice)	Yield/ha.	19.4	21827	94575	72748	4.33

## 8. Information about Crop Production OFT:

Result: (Economic Performance of OFT)

<b>Title of on-farm trial:</b>	<b>Assessment of Improved variety MH-421 of Green gram</b>
<b>Year/Season:</b>	Summer 2020
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Low yield due to use of old variety
<b>Thematic area:</b>	CP
<b>No of trials:</b>	05
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment/ Refinement):</b>	Assessment
<b>T1 – Farmers Practice-</b>	Farmers practice (use of old varieties of greengram )
<b>T2 –Recommended Practice-</b>	MH-421 Improved variety of greengram
<b>T3- Recommended Practice-</b>	Nil
<b>Date of sowing:</b>	08/04/2020
<b>Date of harvesting:</b>	10/06/2020
<b>Source of technology:</b>	CCS HARYANA AGRICULTURAL UNIVERSITY, HISAR
<b>Characteristics of technology:</b>	High yield (10-12 q/ha ) and resistance to green gram yellow-mosaic virus disease, Early maturing (60 days)
<b>Name of Crop/Enterprises:</b>	Greengram
<b>Recommendations for Farmers</b>	20kg seeds/ha, Seed treatment with Fungicide
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	Early maturity, Spontaneous Maturity, Suitable under Rice-Wheat-Green gram Cropping system

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	<b>Yield</b>	11.4	23189	83190	60001	3.50
T2(Recommended Practice)		14.2	21758	100110	78352	4.60

## 9. Information about Home Science OFT:

<b>Title of on-farm trial:</b>	Assessment of freshly prepared soya milk for growth and wellness of juveniles of landless farmers
<b>Year/Season:</b>	2020
<b>Name of Block</b>	<b>Bankhedi</b>
<b>Name of Nutri Smart Village</b>	<b>Kothri</b>
<b>Category(Children (0-5 Year)/Adolescent Girls/Women)</b>	Children(0-5 year)
<b>Nutritional Status(Stunted/Wasted/Underweight/Anemic)</b>	Underweight
<b>Causes for malnutrition</b>	Undernourished
<b>Title of Technical intervention/ OFT</b>	Daily intake of freshly prepared soya milk 50 ml per day /child for 90 days
<b>Type of OFT (Assessment/ Refinement):</b>	Assessment
<b>Thematic area:</b>	WOE
<b>No of trials:</b>	1
<b>No. of farmers/farm women involved:</b>	5
<b>Name of Variety/Technology/Enterprises</b>	Soya bean
<b>Details of technology selected for assessment:</b>	
T1 – Farmers Practice-	
T2 –Recommended Practice-	Soya milk per day 50ml
<b>Source of technology:</b>	CIAE-Bhopal
<b>Characteristics of technology:</b>	Rich protin, low cost , Esely prepared
<b>Name of Crop/Enterprises:</b>	Soya bean
<b>Farming situation:</b>	-
<b>Date of sowing:</b>	-
<b>Date of harvesting:</b>	-
<b>Recommendations for Farmers</b>	-
<b>Recommendations for Deptt. Personnel</b>	50ml soya milk per day
<b>Feedback</b>	Good nourishment in children were found

(D) Economic Performance Home Science OFT: **(For Nutritional security)**

Name of Enterprise /product: -.....soya milk .....

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ Height(in m) * Height(in m)))
T <sub>1</sub> (Farmers Practices)									
T <sub>2</sub> (Recommended Practices)	<b>Soya milk</b>	<b>50ml</b>	<b>1485</b>	<b>126</b>	<b>26.1</b>	<b>180</b>	<b>2.6</b>	<b>1.3</b>	<b>1.5</b>
T <sub>3</sub> (Recommended Practices)									

### 10. Information about Home Science OFT:

Title of on-farm trial:	Assessment of finger millet porridge for malnutrition lactating mothers
Year/Season:	2020
Name of Block	Bankhedhi
Name of Nutri Smart Village	Kotheri
Category(Children (0-5 Year)/Adolescent Girls/Women)	Women
Nutritional Status(Stunted/Wasted/Underweight/Anaemic)	Underweigh
Causes for malnutrition	No information about healthy food
Title of Technical intervention/ OFT	Assessment of finger millet porridge for malnutrition lactating mothers
Type of OFT (Assessment/ Refinement):	Assessment
Thematic area:	WOE
No of trials:	1
No. of farmers/farm women involved:	5
Name of Variety/Technology/Enterprises	Finger millet
Details of technology selected for assessment:	
T1 – Farmers Practice-	
T2 –Recommended Practice-	100 g of freshly prepared finger millet porridge/day/lactating mothers for 90 days
Source of technology:	IIMR-Hyderabad
Characteristics of technology:	Nutritive food
Name of Crop/Enterprises:	
Farming situation:	-
Date of sowing:	-
Date of harvesting:	-
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-



**(D) Economic Performance Home Science OFT: (For Nutritional security)**

Name of Enterprise /product: -.....finger millet porridge .....

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm )	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T <sub>1</sub> (Farmers Practices)									
T <sub>2</sub> (Recommended Practices)	finger millet porridge	100gm	336	7.7	3.9	350	3.5	150	1.55
T <sub>3</sub> (Recommended Practices)									

## 11. Information about Home Science OFT:

<b>Title of on-farm trial:</b>	<b>Assessment of nutritional garden for household nutritional</b>
<b>Year/Season:</b>	Year 2020
<b>Name of Block</b>	Bankhedi
<b>Name of Nutri Smart Village</b>	Kotheri
<b>Category(Children (0-5 Year)/Adolescent Girls/Women)</b>	women
<b>Nutritional Status(Stunted/Wasted/Underweight/Anemic)</b>	Underweight
<b>Causes for malnutrition</b>	Lack of Awareness about nutritious food
<b>Title of Technical intervention/ OFT</b>	<b>Assessment of nutritional garden for household nutritional</b>
<b>Type of OFT (Assessment/ Refinement):</b>	<b>Assessment</b>
<b>Thematic area:</b>	WOE
<b>No of trials:</b>	1
<b>No. of farmers/farm women involved:</b>	5
<b>Name of Variety/Technology/Enterprises</b>	Vegetable
<b>Details of technology selected for assessment:</b>	
T1 – Farmers Practice-	
T2 –Recommended Practice-	IIVR Varanasi kit
<b>Source of technology:</b>	IIVR Varanasi
<b>Characteristics of technology:</b>	High nutritional value
<b>Name of Crop/Enterprises:</b>	Vegetable
<b>Farming situation:</b>	Irrigated
<b>Date of sowing:</b>	Around the year
<b>Date of harvesting:</b>	According the availability
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	High nutritional value
<b>Feedback</b>	Women thought having vegetables at home will save money as well as keep them healthy

**(D) Economic Performance Home Science OFT: (For Nutritional security)**

Detail of Technology	Name of Product/enterprise	Per capita Consumption gm/day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/Height(in m) * Height(in m)))
T <sub>1</sub> (Farmers Practices)									
T <sub>2</sub> (Recommended Practices)	vegetable	325	2134	40	13	460	2.9	151	1.27
T <sub>3</sub> (Recommended Practices)									

## 12. Information about Home Science OFT:

<b>Title of on-farm trial:</b>		<b>Assessment of Kadaknath breed in the backyard for additional income generation</b>				
<b>Year/Season:</b>		2020				
<b>Name of Block</b>		Bankhedi				
<b>Name of Nutri Smart Village</b>		Kotheri				
<b>Category(Children (0-5 Year)/Adolescent Girls/Women)</b>		Women				
<b>Nutritional Status(Stunted/Wasted/Underweight/Anemic)</b>		Underweight				
<b>Causes for malnutrition</b>		Lack of Awareness about nutritious food				
<b>Title of Technical intervention/ OFT</b>		<b>Assessment of Kadaknath breed in the backyard for additional income generation</b>				
<b>Type of OFT (Assessment/ Refinement):</b>		Assessment				
<b>Thematic area:</b>		WOE				
<b>No of trials:</b>		1				
<b>No. of farmers/farm women involved:</b>		5				
<b>Name of Variety/Technology/Enterprises</b>		Kadaknath chicks				
<b>Details of technology selected for assessment:</b>						
T1 – Farmers Practice-						
T2 –Recommended Practice-		40 chicks				
<b>Source of technology:</b>		KVK Jhabua				
<b>Characteristics of technology:</b>		high value poultry				
<b>Name of Crop/Enterprises:</b>		Kadaknath				
<b>Farming situation:</b>						
<b>Date of sowing:</b>						
<b>Date of harvesting:</b>						
<b>Recommendations for Farmers</b>						
<b>Recommendations for Deptt. Personnel</b>						
<b>Feedback</b>		These are costly and high in demand				
<b>Detail of Technology</b>	<b>Composition of product</b>	<b>Production per unit</b>	<b>Average Cost of input (Rs/unit)</b>	<b>Average Gross Return (Rs/unit)</b>	<b>Average Net Return (Rs/unit)</b>	<b>Benefit-Cost Ratio (Gross Return / Gross Cost)</b>
T <sub>1</sub> (Farmers Practices)						
T <sub>2</sub> (Recommended Practices)	<b>Kadaknath</b>	<b>40 kg</b>	<b>13020</b>	<b>40000</b>	<b>26980</b>	<b>3.07</b>
T <sub>3</sub> (Recommended Practices)						

### 13. Information about Home Science OFT:

<b>Title of on-farm trial:</b>		<b>Assessment of variety JK-4 Kutki millet production</b>				
<b>Year/Season:</b>		kherif				
<b>Name of Block</b>		Bankhedi and pipariya				
<b>Name of Nutri Smart Village</b>						
<b>Category(Children (0-5 Year)/Adolescent Girls/Women)</b>		women				
<b>Nutritional Status(Stunted/Wasted/Underweight/Anemic)</b>		underweight				
<b>Causes for malnutrition</b>		Lack of Awareness about nutritious food				
<b>Title of Technical intervention/ OFT</b>		<b>Assessment of variety JK-4 Kutki millet production</b>				
<b>Type of OFT (Assessment/ Refinement):</b>		<b>Assessment</b>				
<b>Thematic area:</b>		WOE				
<b>No of trials:</b>		5				
<b>No. of farmers/farm women involved:</b>		5				
<b>Name of Variety/Technology/Enterprises</b>		KutkiJK--4				
<b>T1 – Farmers Practice-</b>						
<b>T2 –Recommended Practice-</b>						
<b>Source of technology:</b>		Jnkvv Jabalpur				
<b>Characteristics of technology:</b>		Improved verity				
<b>Name of Crop/Enterprises:</b>		KutkiJK--4				
<b>Farming situation:</b>		irrigated				
<b>Date of sowing:</b>		15jun				
<b>Date of harvesting:</b>		august				
<b>Recommendations for Farmers</b>						
<b>Recommendations for Deptt. Personnel</b>						
<b>Feedback</b>		Good production				
<b>Detail of Technology</b>	<b>Composition of product</b>	<b>Production per unit</b>	<b>Average Cost of input (Rs/unit)</b>	<b>Average Gross Return (Rs/unit)</b>	<b>Average Net Return (Rs/unit)</b>	<b>Benefit-Cost Ratio (Gross Return / Gross Cost)</b>
<b>T<sub>1</sub>(Farmers Practices)</b>						
<b>T<sub>2</sub> (Recommended Practices)</b>	KutkiJK--4	<b>4.5</b>	<b>9250</b>	<b>26750</b>	<b>17500</b>	<b>2.89</b>
<b>T<sub>3</sub>(Recommended Practices)</b>						

#### 14. Information about Home Science OFT:

<b>Title of on-farm trial:</b>		<b>Assessment of variety Indira—1 Kodo millet production</b>				
<b>Year/Season:</b>		kherif				
<b>Name of Block</b>		Bankhedi and pipariya				
<b>Name of Nutri Smart Village</b>						
<b>Category(Children (0-5 Year)/Adolescent Girls/Women)</b>		women				
<b>Nutritional Status(Stunted/Wasted/Underweight/Anemic)</b>		underweight				
<b>Causes for malnutrition</b>		Lack of Awareness about nutritious food				
<b>Title of Technical intervention/ OFT</b>		<b>Assessment of variety Indira—1 Kodo millet production</b>				
<b>Type of OFT (Assessment/ Refinement):</b>		<b>Assessment</b>				
<b>Thematic area:</b>		WOE				
<b>No of trials:</b>		5				
<b>No. of farmers/farm women involved:</b>		5				
<b>Name of Variety/Technology/Enterprises</b>		<b>variety Indira—1 Kodo</b>				
T1 – Farmers Practice-						
T2 –Recommended Practice-						
<b>Source of technology:</b>		Jnkvv jabelpur				
<b>Characteristics of technology:</b>		Improved verity				
<b>Name of Crop/Enterprises:</b>						
<b>Farming situation:</b>		irrigated				
<b>Date of sowing:</b>		jun				
<b>Date of harvesting:</b>		august				
<b>Recommendations for Farmers</b>						
<b>Recommendations for Deptt. Personnel</b>						
<b>Feedback</b>		Good production				
<b>Detail of Technology</b>	<b>Composition of product</b>	<b>Production per unit</b>	<b>Average Cost of input (Rs/unit)</b>	<b>Average Gross Return (Rs/unit)</b>	<b>Average Net Return (Rs/unit)</b>	<b>Benefit-Cost Ratio (Gross Return / Gross Cost)</b>
T <sub>1</sub> (Farmers Practices)						
T <sub>2</sub> (Recommended Practices)	variety Indira—1 Kodo	5.5	9500	28630	19130	3.01
T <sub>3</sub> (Recommended Practices)						

### 15. Information about EXT. OFT:

<b>Title of on-farm trial:</b>	Assessment of knowledge & adoption of soil health card-based fertilizer application (Second year)
<b>Year/Season:</b>	2020
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Poor knowledge about SHC based fertilizers recommendation
<b>Thematic area:</b>	Extension/ICT
<b>No of trials:</b>	1
<b>No. of farmers involved</b>	140
<b>Type of OFT (Assessment/ Refinement):</b>	<b>Assessment</b>
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Farmers are not using fertilizers as per SHC recommendation
T2 –Recommended Practice-	Knowledge and adoption of farmers toward soil health card practices.
T3- Recommended Practice-	-
<b>Date of sowing:</b>	April 2020
<b>Date of harvesting:</b>	August 2020
<b>Source of technology:</b>	JNKVV-2015
<b>Name of Crop/Enterprises:</b>	Wheat
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

**Result:** (Economic Performance of OFT)

**Table.1** Farmers to Overall Knowledge on soil health card-based fertilizer application

<b>S.No.</b>	<b>Overall Knowledge categories</b>	<b>Per cent (n=70)</b>
1.	Low (12-15 scores)	83.00
2.	Medium (16-19 scores)	17.00
3.	High (20-24 scores)	--
	<b>Total</b>	<b>100</b>

**Table.2** Distribution of Respondents according to years of adoption of SHC based fertilizer application

<b>S.No.</b>	<b>Years of Adoption</b>	<b>No. of Adopters (n=100)</b>
1.	3 Years	21
2.	2 Years	14

3.	1 Year	9
	<b>Total</b>	<b>100</b>

**Table.2** Distribution of Respondents according to Extent of Adoption of SHC based fertilizer application

Extent of Adoption Categories	Adoption of SHC based fertilizer application (n= 70)		Non-Adoption of SHC based fertilizer application (n= 50)	
	No.	Per cent	No.	Per cent
Less adoption (-)	7	8.57	4	8.00
Recommended Level of Adoption	19	27.17	--	--
Excess adoption (+)	44	62.85	46	92.00
<b>Total</b>	<b>70</b>	<b>100.00</b>	<b>50</b>	<b>100.00</b>



**16. Information about EXT. OFT:**

<b>Title of on-farm trial:</b>	Assessment of effectiveness social media ‘Whats-app’ for dissemination of agricultural technologies (Third year)
<b>Year/Season:</b>	Kharif 2020
<b>Farming situation:</b>	irrigated
<b>Problem diagnosis:</b>	Delayed dissemination of agricultural technologies among farmers about residue management
<b>Thematic area:</b>	Extension/ICT
<b>No of trials:</b>	1
<b>No. of farmers involved</b>	70
<b>Type of OFT (Assessment/ Refinement):</b>	<b>Refinement</b>
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Dissemination of agricultural technologies without WhatsApp group messages
T2 –Recommended Practice-	Dissemination of agricultural technologies by using WhatsApp group messages
T3- Recommended Practice-	Dissemination of agricultural technologies by using WhatsApp group messages send only Administration
<b>Date of implementation:</b>	June 2020
<b>Date of harvesting:</b>	May 2021
<b>Source of technology:</b>	IARI 2015
<b>Name of Crop/Enterprises:</b>	Paddy and Wheat
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

**Result: (Economic Performance of OFT)**

<b>Performance indicators</b>	<b>Performance indicators/ Parameter N=70</b>				
	<b>Category</b>			<b>High Frequency</b>	<b>Percentage</b>
Content of the Message	Poor 9 (12.85%)	Good 25(35.71%)	Very good 36 (51.42%)	36	51.42
Time of the Message sent	Before 32 (45.71%)	On time 33 (47.41%)	Delayed 5 (7.14%)	33	47.41
Visibility of the content	Low 11(15.71 %)	Medium 15(21.42 %)	High 44 (62.85 %)	44	62.85
No. of total message sent per month	>5 7 (10.00 %)	5 32 (45.71 %)	<5 31 (44.28 %)	32	45.71

Need full of the message	No need full 6 (8.57 %)	Partially need full 27 (38.57 %)	Full need full 37 (54 %)	37	52.85
Feedback message of farmers	1. Quickly communication and solution			42	60.00
	2. Quickly dissemination of information			36	51.42
	3. Very easy to group share of information of text, audio, video and image form			54	77.14

The findings observed Table- 1 reveals that 51.42 per cent of farmers very good Content of the Message information of crop residue management and 47.41 per cent of the farmers had on agri technology based information sent to farmers. Visibility of messagecontentagri technology high 62.85 percent and 45.71 per cent of 5 No. of total message sent per month send message. Need of the information agri technology by 54.00 per cent of the farmers under full need, hence it may clear that the technical information sent under “whats app technology” for dissemination of agricultural technology was fruitful, applicable and needful for the farmers. It is perceived of 77.14 per cent farmer’s feedback Very easy to group share of information local language to farmers in text, audio, video and image form.

**17. Information about EXT. OFT:**

<b>Title of on-farm trial:</b>	Assessment of impact of KMA and whatsapp for Cluster Demo. group of farmers of Soybean-chickpea/ rice-chickpea-greengram cropping system (Second year)
<b>Year/Season:</b>	2020
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Low yield of crop due to no timely technical information in Soybean- Chickpea / Rice-Chickpea-Greengram cropping system
<b>Thematic area:</b>	Extension/ICT
<b>No of trials:</b>	1
<b>No. of farmers involved</b>	70
<b>Type of OFT (Assessment/ Refinement):</b>	<b>Assessment</b>
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Farmers practice (No timely technical information)
T2 –Recommended Practice-	Weekly two crop related technical information message.
T3- Recommended Practice-	-
<b>Date of sowing:</b>	June 2020
<b>Date of harvesting:</b>	June 2021
<b>Source of technology:</b>	
<b>Name of Crop/Enterprises:</b>	Soybean, Paddy, Chickpea, Green gram
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

**Result:** (Economic Performance of OFT)

Performance indicators	Performance indicators/ Parameter (N=70)					High Frequency	Percentage
	Category						
No. of message receive	Less than 10 5	20-30 9	30-40 45	More than 40 11		<b>45</b>	<b>64.28</b>
Need & time based information was sent	Needful & Timely 46	Needful but Not timely 11	No Needful but timely 7	No Needful & Not timely 6		<b>46</b>	<b>65.71</b>
Understanding of the message	Highly understandable 48	Medium understandable 10	Low understandable 7	Not understandable 5		<b>48</b>	<b>68.57</b>
Applicability of the message	Fully Applicable	Medium Applicable	Partially	Not Applicable		<b>45</b>	<b>64.28</b>

	45	11	Applicable 10	4		
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#### Outcome

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
Farmers practice (T <sub>1</sub> )		Yield Kg/ha	103690	224902	121212	2.16
KMA Beneficiaries farmers (T <sub>2</sub> )		Yield Kg/ha	97830	258737	160907	2.64
Whatsapp group farmers (T <sub>3</sub> )		Yield Kg/ha	94032	325543	231511	3.46

#### 18. Information about EXT. OFT:

<b>Title of on-farm trial:</b>	Assessment of knowledge & adoption behavior of organic farming <b>On going</b>
<b>Year/Season:</b>	2020
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	low knowledge about organic farming
<b>Thematic area:</b>	Extension/ICT
<b>No of trials:</b>	1
<b>No. of farmers involved</b>	70
<b>Type of OFT (Assessment/ Refinement):</b>	<b>Assessment</b>
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Farmers are not using organic farming
T2 –Recommended Practice-	Knowledge and adoption of farmers toward organic farming practices.
T3- Recommended Practice-	-
<b>Date of sowing:</b>	Oct 2020
<b>Date of harvesting:</b>	May 2021
<b>Source of technology:</b>	
<b>Name of Crop/Enterprises:</b>	Wheat
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

## 19 Information about OFT:- Animal Science

<b>Name of Discipline</b>	<b>Animal Science</b>
<b>Title of on-farm trial:</b>	Assessment of production and feeding of hydroponics fodder of maize for dairy animals
<b>Year/Season:</b>	2020 -21, Jayad
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Low milk production due to unavailability of green fodder
<b>Thematic area:</b>	LPM
<b>No of trials:</b>	01
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment/ Refinement):</b>	<b>Assessment</b>
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Farmer Practices (no use of green fodder only use of straw)
T2 –Recommended Practice-	Hydroponics maize fodder @ 15 kg/day/animal for 4 month
T3- Recommended Practice-	
<b>Date of sowing:</b>	March 2020
<b>Date of harvesting:</b>	June 2020
<b>Source of technology:</b>	NDRI, Karnal
<b>Characteristics of technology:</b>	In lean period , scarcity of fodder occurs that condition Hydroponics fodder is very useful to maintain milk yield
<b>Name of Crop/Enterprises:</b>	Dairy
<b>Recommendations for Farmers</b>	Hydroponic is good source of Protein increases milk yield but this technology is not viable for farmers
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

### Result : (Economic Performance of OFT)

Details of technology	Name and Unit of Parameter	Average Cost of Rearing (Rs/Animal)	Average Gross Return (Rs/Animal)	Average Net Return (Rs/Animal)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Milk yield (Lit/day/animal)	22570	35040	12470	1.553
T2(Recommended Practice)	Milk yield (Lit/day/animal)	22180	37440	15260	1.688

## 20 Animal Science

<b>Name of Discipline</b>	<b>Animal Science</b>
<b>Title of on-farm trial:</b>	Assessment of chelated mineral mixture supplementation in daily ration for timely heat , increases milk yield and improve health status
<b>Year/Season:</b>	2019-20, kharif
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Extended postpartum anoestrous , low milk yield & poor health status is a common problem in dairy animals
<b>Thematic area:</b>	LPM
<b>No of trials:</b>	01
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment/ Refinement):</b>	Assessment
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Farmer Practices (Farmer do not supplement mineral mixture in Animals feed)
T2 –Recommended Practice-	Daily feed supplement with chelated Mineral mixture @ 50 g/day & vitamin for 60 days
T3- Recommended Practice-	
<b>Date of sowing:</b>	August 2019
<b>Date of harvesting:</b>	November 2020
<b>Source of technology:</b>	NDRI, Karnal
<b>Characteristics of technology:</b>	Reduce Anestrous , increases milk yield & improve health after supplementation of mineral mixture
<b>Name of Crop/Enterprises:</b>	Dairy
<b>Recommendations for Farmers</b>	Mineral mix.is very imp. for timely heat and increase milk yield and improve health status
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

### Result : (Economic Performance of OFT)

Details of technology	Name and Unit of Parameter	Average Cost of Rearing(Rs/Animal)	Average Gross Return (Rs/Animal)	Average Net Return (Rs/Animal)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Milk yield (Lit/day/animal)	3950	8400	4450	2.127
T2(Recommended Practice)	Milk yield (Lit/day/animal)	4180	9840	5660	2.354

## 21 Animal Science

<b>Name of Discipline</b>	<b>Animal Science</b>
<b>Title of on-farm trial:</b>	Assessment of electrolytes to manage heat stress in Poultry.
<b>Year/Season:</b>	2020 -21, Jayad
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Low body weight & less egg production due to heat stress in poultry
<b>Thematic area:</b>	Poultry Production & Management
<b>No of trials:</b>	01
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment/ Refinement):</b>	<b>Assessment</b>
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Only watering to poultry
T2 –Recommended Practice-	Electrolytes @0.5g/liter water
T3- Recommended Practice-	
<b>Date of sowing:</b>	April, 2020
<b>Date of harvesting:</b>	July, 2020
<b>Source of technology:</b>	IVRI, Izatnagar
<b>Characteristics of technology:</b>	Electrolytes reduce heat stress & increase feed intake, B.W. gain & egg production
<b>Name of Crop/Enterprises:</b>	Poultry Farming
<b>Recommendations for Farmers</b>	Electrolyte reduce the heat stress in poultry so it is very useful for farmer
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

### Result : (Economic Performance of OFT)

Details of technology	Name and Unit of Parameter	Average Cost of Rearing (Rs./Bird) in 120 days	Average Gross Return Rs./Bird) in 120 days	Average Net Return (Rs./Bird) in 120 days	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Growth rate(120 days)	230	345	115	1.5

T2(Recommended Practice)	Growth rate(120 days)	235	496	261	2.11
T3(Recommended Practice)					

## 22 Animal Science

<b>Name of Discipline</b>	<b>Animal Science</b>
<b>Title of on-farm trial:</b>	Assessment of chelated mineral mixture supplementation in daily ration for timely heat , increases milk yield and improve health status ONGOING
<b>Year/Season:</b>	2020-21, kharif
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Extended postpartum anoestrous , low milk yield & poor health status is a common problem in dairy animals
<b>Thematic area:</b>	LPM
<b>No of trials:</b>	01
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment/ Refinement):</b>	<b>Refinement( TIME PERIOD EXTENDED FROM 60 Dys to 120 days)</b>
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Farmer Practices (Farmer do not supplement mineral mixture in Animals feed)
T2 –Recommended Practice-	Daily feed supplement with chelated Mineral mixture @ 50 g/day & vitamin for 120 days
T3- Recommended Practice-	
<b>Date of sowing:</b>	August 2020
<b>Date of harvesting:</b>	November 2021
<b>Source of technology:</b>	NDRI, Karnal
<b>Characteristics of technology:</b>	Reduce Anestrous , increases milk yield & improve health after supplementation of mineral mixture
<b>Name of Crop/Enterprises:</b>	Dairy
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	



## 23 Animal Science

<b>Name of Discipline</b>	<b>Animal Science</b>
<b>Title of on-farm trial:</b>	Assessment of Round the year green fodder production and use of cow dung as Vermicompost Ongonig
<b>Year/Season:</b>	2020 -21 Kharif
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Low return from milch animals
<b>Thematic area:</b>	Animal Feed and Fodder Management
<b>No of trials:</b>	01
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment/ Refinement):</b>	<b>Assessment</b>
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Farmers Practice (Use of green fodder up to 8 month)
T2 –Recommended Practice-	Round the year green fodder production + Vermi compost
T3- Recommended Practice-	
<b>Date of sowing:</b>	July , 2020
<b>Date of harvesting:</b>	August , 2021
<b>Source of technology:</b>	IGFRI, Jhansi
<b>Characteristics of technology:</b>	Increase milk yield & decrease cost of cow rearing, enhance income.
<b>Name of Crop/Enterprises:</b>	Dairy
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

**Result :** (Economic Performance of OFT)

Details of technology	Name and Unit of Parameter	Average Cost of Rearing(Rs/Animal)	Average Gross Return (Rs/Animal)	Average Net Return (Rs/Animal)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Milk yield (Lit/day/animal)				
T2(Recommended Practice)	Milk yield (Lit/day/animal)				
T3(Recommended Practice)					

## 24 Information about SFM OFT:

<b>Name of Discipline</b> (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Soil Science
<b>Title of on-farm trial:</b>	Assessment of soil test based nutrient management in Green gram
<b>Year/Season:</b>	2020,Summer
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Less yield of Green gram due to imbalance use of nutrients
<b>Thematic area:</b>	SFM
<b>No of trials:</b>	05
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment / Refinement):</b>	<b>Assessment</b>
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Imbalance application of fertilizers
T2 –Recommended Practice-	Application of nutrients on soil test basis
T3- Recommended Practice-	Nil
<b>Date of sowing:</b>	12/04/2020
<b>Date of harvesting:</b>	14/06/2020

<b>Source of technology:</b>	IISS, Bhopal
<b>Characteristics of technology:</b>	Soil test based application of fertilizers to increase the yield of Green gram
<b>Name of Crop/Enterprises:</b>	Green gram
<b>Recommendations for Farmers</b>	Soil test based nutrient management increases yield and reduces cost of cultivation
<b>Recommendations for Deptt. Personnel</b>	Soil test based nutrient management increases yield and reduces cost of cultivation
<b>Feedback</b>	Farmers should follow INM concept based on soil testing report

**Result:** (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter Yield (Q/ha)	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield (Q/ha)	10.2	24270	74460	50190	3.06
T2(Recommended Practice)	Yield (Q/ha)	13.7	22560	100010	77450	4.43
T3(Recommended Practice)						

## 25 Information about SFM OFT:

<b>Name of Discipline (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)</b>	Soil Science
<b>Title of on-farm trial:</b>	Assessment of soil test based nutrient management in Maize
<b>Year/Season:</b>	2020,Kharif
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Less yield of Maize due to imbalance use of nutrients
<b>Thematic area:</b>	SFM
<b>No of trials:</b>	05
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment / Refinement):</b>	<b>Assessment</b>
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Imbalance application of fertilizers
T2 –Recommended Practice-	Application of nutrients on soil test basis
T3- Recommended Practice-	Nil
<b>Date of sowing:</b>	15/07/2020
<b>Date of harvesting:</b>	14/11/2020

<b>Source of technology:</b>	IISS, Bhopal
<b>Characteristics of technology:</b>	Soil test-based application of fertilizers to increase the yield of Maize
<b>Name of Crop/Enterprises:</b>	Maize
<b>Recommendations for Farmers</b>	Soil test based nutrient management increases yield and reduces cost of cultivation
<b>Recommendations for Deptt. Personnel</b>	Soil test based nutrient management increases yield and reduces cost of cultivation
<b>Feedback</b>	Farmers should follow INM concept based on soil testing report

**Result:** (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter (Q/ha)	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield (Q/ha)	16.70	22,760	29,225	6,465	1.28
T2(Recommended Practice)	Yield (Q/ha)	21.97	21,837	38,447	16,610	1.76
T3(Recommended Practice)						

## 26 Information about SFM OFT:

<b>Name of Discipline (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)</b>	Soil Science
<b>Title of on-farm trial:</b>	Assessment of soil test based nutrient management in Pigeon pea
<b>Year/Season:</b>	2020, Kharif
<b>Farming situation:</b>	Rainfed
<b>Problem diagnosis:</b>	Less yield of Pigeon pea due to imbalance use of nutrients
<b>Thematic area:</b>	SFM
<b>No of trials:</b>	05
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment / Refinement):</b>	Assessment
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Imbalance application of fertilizers
T2 –Recommended Practice-	Application of nutrients on soil test basis
T3- Recommended Practice-	Nil
<b>Date of sowing:</b>	06/07/2020

<b>Date of harvesting:</b>	05/01/2021
<b>Source of technology:</b>	IISS, Bhopal
<b>Characteristics of technology:</b>	Soil test-based application of fertilizers to increase the yield of pigeon pea
<b>Name of Crop/Enterprises:</b>	Pigeon pea
<b>Recommendations for Farmers</b>	Soil test based nutrient management increases yield and reduces cost of cultivation
<b>Recommendations for Deptt. Personnel</b>	Soil test based nutrient management increases yield and reduces cost of cultivation
<b>Feedback</b>	Farmers should follow INM concept based on soil testing report

**Result:** (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter (Q/ha)	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	10.7	34530	62346	27816	1.8
T2(Recommended Practice)	Yield	14.7	35000	85496	50496	2.4
T3(Recommended Practice)						

## 27 Information about Plant Protection OFT

<b>Title of on-farm trial:</b>	Assessment of <i>Trichoderma viride</i> for wilt management in chickpea
<b>Year/Season:</b>	2019-20 Rabi
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Low plant population due severe incidence of wilt reduces the yield of Chickpea
<b>Thematic area:</b>	PLP
<b>No of trials:</b>	5
<b>No. of farmers involved</b>	5
<b>Type of OFT</b>	<b>Assessment</b>
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	<b>Farmers practice (No use of <i>Trichoderma viride</i>)</b>
T2 –Recommended Practice-	<b>Soil application of FYM enriched <i>T. viride</i> (@5 kg/q FYM) before last ploughing followed by sowing of seed treated chickpea with <i>T viride</i>@10g/kg</b>
T3- Recommended Practice-	-
<b>Date of sowing:</b>	November2019
<b>Date of harvesting:</b>	March 2020
<b>Source of technology:</b>	JNKVV 2015
<b>Characteristics of technology:</b>	<b><i>Trichoderma viride</i> are effective for wilt management</b>

<b>Name of Crop/Enterprises:</b>	Chickpea
<b>Recommendations for Farmers</b>	Farmers should use of <i>T. viride</i> for soil as well as seed treatment for wilt management
<b>Recommendations for Deptt. Personnel</b>	Department should promote use of <i>T. viride</i> for soil as well as seed treatment for wilt management
<b>Feedback</b>	

**Result :** (Economic Performance of OFT)

Details of technology	Name of Parameter (Yield)	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	9.74	q/ha	30826.43	48438.57	17612.14	1.57
T2(Recommended Practice)	13.38	q/ha	28069.29	66593.92	38524.64	2.05
T3(Recommended Practice)						

## 28 Information about Plant Protection OFT

<b>Title of on-farm trial:</b>	<b>Assessment of IPM module for management of gram pod borer in chickpea</b>
<b>Year/Season:</b>	2019-20 Rabi
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	<b>Low yield of chickpea due to attack of gram borer</b>
<b>Thematic area:</b>	PLP
<b>No of trials:</b>	5
<b>No. of farmers involved</b>	5
<b>Type of OFT</b>	<b>Assessment</b>
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	<b>Farmer practice (indiscriminate use of Insecticide)</b>
T2 –Recommended Practice-	<b>installation of bird perches @ 50/h, Pheromone trap @ 12/h, need based spray of insecticide</b>
T3- Recommended Practice-	
<b>Date of sowing:</b>	October 2019
<b>Date of harvesting:</b>	March 2012
<b>Source of technology:</b>	JNKVV 2015
<b>Characteristics of technology:</b>	Pheromone trap are effective tool for monitoring and mating disturbance also help in reducing population of Gram pod borer
<b>Name of Crop/Enterprises:</b>	Chickpea

<b>Recommendations for Farmers</b>	Farmer should install bird perches @ 50/h and Pheromone trap @ 12/h, need based spray of insecticide
<b>Recommendations for Deptt. Personnel</b>	Department should promote integrated pest management
<b>Feedback</b>	

**Result :** (Economic Performance of OFT)

Details of technology	Name of Parameter(Yield)	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	12.16	q/ha	33372.60	60496.00	27123.40	1.81
T2(Recommended Practice)	16.24	q/ha	32124.00	81394.00	49270.00	2.53
T3(Recommended Practice)						

## 29 Information about Plant Protection OFT

<b>Title of on-farm trial:</b>	Assessment of Technology For management of YMV in Greengram
<b>Year/Season:</b>	2020 Summer
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Heavy incidence of Whitefly causing YMV and indiscriminate use of Insecticide
<b>Thematic area:</b>	PLP
<b>No of trials:</b>	5
<b>No. of farmers involved</b>	5
<b>Type of OFT</b>	<b>Assessment</b>
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	sowing without seed treatment
T2 –Recommended Practice-	<b>Seed treatment (Thiomethaxam 4 g/kg + Yellow sticky trap (10 trap/acre)</b>
T3- Recommended Practice-	
<b>Date of sowing:</b>	April 2020
<b>Date of harvesting:</b>	June 2020
<b>Source of technology:</b>	JNKVV 2015
<b>Characteristics of technology:</b>	Seed treatment are very effective for sucking insect pest management and Yellow sticky trap are eco-friendly tool for whitefly management that reduce the application of insecticide.

<b>Name of Crop/Enterprises:</b>	Greengram
<b>Recommendations for Farmers</b>	Farmers must done Seed treatment with Thiomethaxam 4 g/kg of seed and instal Yellow sticky trap (10 trap/acre)
<b>Recommendations for Deptt. Personnel</b>	Department ensure seed showing done after seed treatment and replicate the technology by field demonstration.
<b>Feedback</b>	

**Result :** (Economic Performance of OFT)

Details of technology	Name of Parameter (Yield)	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	9.3	q/ha	24530	73470	48940	2.99
T2(Recommended Practice)	12.38	q/ha	27440	97802	70362	3.56

### 30 Information about Plant Protection OFT

<b>Title of on-farm trial:</b>	<b>Assessment of insecticide for management of Fall Army Worm in Maize</b>
<b>Year/Season:</b>	<b>Kharif 2020-21 (1<sup>st</sup> year )</b>
<b>Farming situation:</b>	<b>Irrigated</b>
<b>Problem diagnosis:</b>	<b>Heavy infestation of FAW reduce crop yield.</b>
<b>Thematic area:</b>	<b>IPM</b>
<b>No of trials:</b>	<b>5</b>
<b>No. of farmers involved</b>	<b>5</b>
<b>Type of OFT</b>	<b>Assessment</b>
<b>T1 – Farmers Practice-</b>	<b>indiscriminate use of pesticide (Emamectinbenziate 5 SG)</b>
<b>T2 –Recommended Practice-</b>	<b>Spinetoram 11.7% SC</b>
<b>T3- Recommended Practice-</b>	<b>Thiamethoxam 12.6% + Lambda cyhalothrin 9.5% ZC</b>
<b>Date of sowing:</b>	<b>July 2020</b>
<b>Date of harvesting:</b>	<b>November 2020</b>
<b>Source of technology:</b>	<b>Directorate of Plant Protection, Quarantine &amp; Storage</b>
<b>Characteristics of technology:</b>	<b>Effective and reduce heavy infestation of FAW</b>
<b>Name of Crop/Enterprises:</b>	<b>Maize</b>



Recommendations for Farmers	-
Recommendations for Deptt. Personnel	-
Feedback	-

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter (Yield)	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	32.6	q/ha	25000	40098	15098	1.63
T2(Recommended Practice)	39.8	q/ha	28200	48954	20754	1.76
T3(Recommended Practice)	35.4	q/ha	25520	43542	18022	1.71

### 31Information about Plant Protection OFT

Title of on-farm trial:	Assessment of insecticide against Invasive pest <i>Tutaabsoluta</i> on its incidence based on pheromone trap catches (ongoing)
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Heavy infestation of <i>Tutaabsoluta</i> reduce 80-90% yield and quality of fruits
Thematic area:	IPM
No of trials:	5
No. of farmers involved	5
Type of OFT	
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	indiscriminate use of insecticides
T2 –Recommended Practice-	Installation of Pheromone traps @ 40/ha. for monitoring and mass trapping and application of Spinetoram 12 SC @ 1.25ml/L after adult catches in pheromone trap
T3- Recommended Practice-	-
Date of sowing: /Transplanting	October/November 2020
Date of harvesting:	December to April
Source of technology:	NBAIR, IIHR* (*in playhouse condition)

<b>Characteristics of technology:</b>	Eco-friendly and effective and reduce heavy infestation of <i>Tutaabsoluta</i>
<b>Name of Crop/Enterprises:</b>	Tomato
<b>Recommendations for Farmers</b>	-
<b>Recommendations for Deptt. Personnel</b>	-
<b>Feedback</b>	-

**Result :** (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha				
T2(Recommended Practice)	Yield	q/ha				
T3(Recommended Practice)						

### 32 Information about Plant Protection OFT

<b>Title of on-farm trial:</b>	Assessment of bio-agents for management of Invasive pest <i>Tutaabsoluta</i> in tomato
<b>Year/Season:</b>	Rabi 2020-21 (1 <sup>st</sup> year) ongoing
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Heavy infestation of <i>Tutaabsoluta</i> reduce 80-90% yield and fruit quality
<b>Thematic area:</b>	IPM
<b>No of trials:</b>	5
<b>No. of farmers involved</b>	5
<b>Type of OFT</b>	<b>Assessment</b>
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	indiscriminate use of Insecticide
T2 –Recommended Practice-	Application of <i>Metarhizium anisopliae</i> @1000ml/ha
T3- Recommended Practice-	application of Spinosad 0.25 ml/l and Flubendiamide @ 0.2 ml/l
<b>Date of sowing:</b>	October/November 2020
<b>Date of harvesting:</b>	December to April
<b>Source of technology:</b>	IIHR

<b>Characteristics of technology:</b>	Effective and reduce heavy infestation of <i>Tutaabsoluta</i>
<b>Name of Crop/Enterprises:</b>	Tomato
<b>Recommendations for Farmers</b>	-
<b>Recommendations for Deptt. Personnel</b>	-
<b>Feedback</b>	-

**Result :** (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha				
T2(Recommended Practice)	Yield	q/ha				
T3(Recommended Practice)						

### 33 Information about Plant Protection OFT

<b>Title of on-farm trial:</b>	Assessment of Kochila ( <i>Strychnosnux-vomica</i> )/Tobacco-soaked -mixed cow dung compost in Brinjal for controlling fruit and shoot borer (ITK) <b>ongoing</b>
<b>Year/Season:</b>	2020-21 Rabi (1 <sup>st</sup> Year)
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Heavy Infestation fruit and shoot borer load indiscriminate use of pesticide
<b>Thematic area:</b>	ITK
<b>No of trials:</b>	5
<b>No. of farmers involved</b>	5
<b>Type of OFT</b>	<b>Assessment</b>
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	<b>indiscriminate use of Insecticide</b>
T2 –Recommended Practice-	
T3- Recommended Practice-	-
<b>Date of sowing:</b>	October/November 2020
<b>Date of harvesting:</b>	December to April
<b>Source of technology:</b>	IITKA Traditional Knowledge in Agriculture pp 14-15 366
<b>Characteristics of technology:</b>	Eco-friendly, low cost

<b>Name of Crop/Enterprises:</b>	Brinjal
<b>Recommendations for Farmers</b>	-
<b>Recommendations for Deptt. Personnel</b>	-
<b>Feedback</b>	-

**Result :** (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha				
T2(Recommended Practice)	Yield	q/ha				
T3(Recommended Practice)						

**(A) Economic Performance Home Science OFT: (For Drudgery Reduction)**

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T <sub>1</sub> (Farmers Practices)							
T <sub>2</sub> (Recommended Practices)							
T <sub>3</sub> (Recommended Practices)							

\*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

**(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise**

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T <sub>1</sub> (Farmers Practices)						
T <sub>2</sub> (Recommended Practices)						
T <sub>3</sub> (Recommended Practices)						

**(C) Economic Performance Home Science OFT: (For value addition)**

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T <sub>1</sub> (Farmers Practices)						
T <sub>2</sub> (Recommended Practices)						
T <sub>3</sub> (Recommended Practices)						

**(D) Economic Performance Home Science OFT: (For Nutritional security)**

Name of Enterprise /product: -.....

Detail of Technology	Name of Product /enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm )	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T <sub>1</sub> (Farmers Practices)									
T <sub>2</sub> (Recommended Practices)									
T <sub>3</sub> (Recommended Practices)									

### 3. Achievements of Frontline Demonstrations (FLD)

#### 3.1 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

KVK Name	Year	Season	Discipline (Agronomy/Horticulture/ Soil Science/Plant Protection/ Plant Breeding/ Agroforestry)	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
												FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total
Govindnagar Hoshangabad	2020	Kharif	Horticulture	Crop Diversification	Demonstration of sponge gourd, Bottle gourd & Bitter gourd in backyard for additional income	Cucurbits vegetables	Botlegourd	Kashigang Chikni Navbharat	irrigated	completed	2	274.26	336.56	81.4891847	0	0	10	0	10
	2020	Rabi	Varietal Evaluation	Seed & IPM material	Vegetables	Tomato	Kashi Aman	irrigated	planned	1 ha									
	2020	Rabi	Varietal Evaluation	Seed & IPM material	Vegetables	Cabbage	Pusa Mukta	irrigated	planned	1 ha									
	2020	Rabi	Varietal Evaluation	Seed & IPM material	Cereal	Wheat	JW 3288	irrigated	planned	1 ha									
	2020	Kharif	LPM	IVERMECTIN	Medicine			irrigated	planned	1 ha									

	20 20	Rabi	LPM	AZOL LA	Fodder			irrig ated	planned	1 ha									
	20 20	Kha rif	Integrated Nutrient Management	Zinc Sulph at	Cereals	Paddy	Pus a Kra nti	Irrig ated	planned	1 ha									
	20 20	Kha rif	Integrated Nutrient Management	Ammo nium sulpha t	Cereals	Paddy	Pus a Kra nti	Irrig ated	planned	1 ha									
	20 20	Rabi	IPM	Install ation of bird perche s @ 50/h, Phero mone trape @ 12/ha, applic ation of Mycro pestici de Beauv eria bassia na @ 1000m l/ha. And need based spray of Spinosa 45 SC @ 70 ml/acr e	Pulse	Chick pea	JG- 315	Irrig ated	planned	4ha									

### 3.2 Economic Impact of Crop FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	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 <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )
Govindnagar Hoshangabad	Demonstration of sponge gourd, Bottle gourd & Bitter gourd in backyard for additional income		No. of Fruits per Plant	45	78	77380	80285	274260	336560	196880	256275	3.544327	4.192066



### 3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Tech/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers					
											FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total	

### 3.4 Economic Impact of Agriculture Engineering FLD

KVK Name	Technology demonstrated	Name of Crop/Enterprise	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 <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )

### 3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Tech/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers					
											FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total	

### 3.6 Economic Impact of Animal Science FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	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 <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )

### 3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop/ Enterprise	Name of Variety/Technology / Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers					
											FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total	

### 3.8 Economic Impact of Fishery 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 <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )

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

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprises	Crop-Area (ha) / Entrep - No.	Results		% change	No. of farmers					
								FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total	
	2020	Year Round	Nutritional security	Demonstration on establishment of Backyard Kitchen Garden	seasonal Vegetables	Kitchen garden	10									
	2020	Rabi	Income generation	Demonstration on backyard poultry farming	Kadakhnath chicks	Backyard poultry	10									
	2020	Rabi	Nutritional security	Demonstration on finger millet for lactating women	Finger millet		10									

#### Economic Performance Home Science FLD: (Drudgery Reduction)

KVK name	Technology demonstrated	Performance Indicator / Parameter														
		Output *		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	

\*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

#### Economic Performance Home Science FLD: (Income Generation)

KVK name	Technology demonstrated	Performance Indicator / Parameter												
		Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)				
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2			

**Economic Performance Home Science FLD: (For value addition)**

KVK name	Technology demonstrated	Performance Indicator / Parameter																	
		Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)							
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2						

**Economic Performance Home Science FLD: (For Nutritional security)**

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

**3.10 Training and Extension activities conducted under FLD**

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks

**3.11 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.

## 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
Govindnagar	Improved Variety kashi ganga (Bottle gourd) Chikni (sponge gourd) Navbharat (Bitter gourd)	FLD	Farmer is happy with cucurbits seed from IIVR Varanasi & NSC	Farmer will take these varieties
	Kashi ratna (Chilly)	OFT	Farmer is happy with cucurbits seed from IIVR Varanasi	Farmer will take this varieties
	Kashi Aman Tomato	OFT	Tomato Kashi Aman is appreciated by farmers	Farmer will take this varieties
	PUSA Mukta (Cabagge)	OFT	Pusa Mukta is good variety and appreciated by farmers	Farmer will take this varieties
	JW 3288	OFT	Good under Restricted irrigation condition and	Farmer will take this varieties
	MH-421	OFT	Early maturity, Spontaneous Maturity,	Farmer will take this varieties

#### 4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Govindnagar	This is the first year of OFT so feedback cant given at this stage

#### 4.3. 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

### 5. TRAINING PROGRAMMES

1. Training programmes should be strictly covered under above mentioned thematic areas only,
2. For category, training type and thematic area, mention code/abbreviations only

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

(\*please fill all columns)

Name of KVK	Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants								
								Gen		SC		ST		Others		
								M	F	M	F	M	F	M	F	
		do not leave column blank	Crop Production	Weed Management		2	1	28		8		3				
			Crop Production	Resource Conservation Technologies												
			Crop Production	Cropping Systems		1	1	15				1				
			Crop Production	Crop Diversification		1	1			1		4				
			Crop Production	Integrated Farming		1	1	5		1		2				
			Crop Production	Micro irrigation/irrigation												
			Crop Production	Seed production		2	1									
			Crop Production	Nursery management												
			Crop Production	Integrated Crop Management		1	1	18		3						
			Crop Production	Soil & water conservation												
			Crop Production	Integrated nutrient Management												
			Crop Production	Production of organic inputs												
			Crop Production	Others(Pl. Specify)												
			Horticulture (Vegetable Crops)	Production of low volume and high		1	1	1	0	0	0	0	0	0	1	0

Name of KVK	Category (F & FW/ FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
				value crops										5	
			Horticulture (Vegetable Crops)	Off season vegetables	Off season vegetables	1	1								
			Horticulture (Vegetable Crops)	Nursery raising	Nursery raising	1	1	12	0	2	0	1	0	1	2
			Horticulture (Vegetable Crops)	Exotic vegetables	Exotic vegetables	1	1					0	0	7	
			Horticulture (Vegetable Crops)	Export potential vegetables				1	0	3	0	0	0	8	0
			Horticulture (Vegetable Crops)	Grading and standardization											
			Horticulture (Vegetable Crops)	Protective cultivation	Protective cultivation	1	1	0	0	0	0	2	0	1	0
			Horticulture (Vegetable Crops)	Others (Pl. Specify)	Organic vegetable production	1	1	9	1	5	0	6	0	2	0
					FPO formation	2	1	2	0	0	0	0	0	2	0
					New Agriculture Acts	15	1	22	1	7	3	5	1	8	2
			Horticulture (Fruits)	Training and Pruning					1					9	3
			Horticulture (Fruits)	Layout and Management of Orchards											
			Horticulture (Fruits)	Cultivation of Fruit											
			Horticulture (Fruits)	Management of young plants/orchards											
			Horticulture (Fruits)	Rejuvenation of old orchards											
			Horticulture (Fruits)	Export potential fruits											
			Horticulture (Fruits)	Micro irrigation systems of orchards											
			Horticulture (Fruits)	Plant propagation techniques											
			Horticulture (Fruits)	Others (Pl. Specify)											
			Horticulture (Ornamental Plants)	Nursery Management											
			Horticulture (Ornamental Plants)	Management of potted plants											
			Horticulture (Ornamental Plants)	Export potential of ornamental plants											
			Horticulture (Ornamental Plants)	Propagation techniques of Ornamental Plants											
			Horticulture (Ornamental Plants)	Others (Pl. Specify)											
			Horticulture(Plantation crops)	Production and Management technology											
			Horticulture(Plantation crops)	Processing and value addition											
			Horticulture(Plantation crops)	Others (Pl. Specify)											
			Horticulture(Tuber crops)	Production and Management technology											
			Horticulture(Tuber crops)	Processing and value addition											
			Horticulture(Tuber crops)	Others (Pl. Specify)											
			Horticulture(Spices)	Production and Management technology											
			Horticulture(Spices)	Processing and value addition											
			Horticulture(Spices)	Others (Pl. Specify)											

Name of KVK	Category (F & FW/FW)	Training Type (ONC/OF C)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants													
								Gen		SC		ST		Others							
								M	F	M	F	M	F	M	F						
			Horticulture( Medicinal and Aromatic Plants)	Nursery management																	
			Horticulture( Medicinal and Aromatic Plants)	Production and management technology																	
			Horticulture( Medicinal and Aromatic Plants)	Post harvest technology and value addition																	
			Horticulture( Medicinal and Aromatic Plants)	Others (Pl. Specify)																	
			Soil Health and Fertility Management	Soil fertility management																	
			Soil Health and Fertility Management	Integrated water management																	
			Soil Health and Fertility Management	Integrated Nutrient Management	Training programme on Integrated Nutrient Management	1	1					2		1		1			2		
			Soil Health and Fertility Management	Production and use of organic inputs																	
			Soil Health and Fertility Management	Management of Problematic soils																	
			Soil Health and Fertility Management	Micro nutrient deficiency in crops																	
			Soil Health and Fertility Management	Nutrient Use Efficiency	Training programme on Nutrient Use Efficiency	2	1					5		1		4		1	0		
			Soil Health and Fertility Management	Balance Use of fertilizer	Training programme on Balance Use of Fertilizers	2	1					18		1		3			2		
			Soil Health and Fertility Management	Soil & water testing	Importance of Soil testing in crop production	1	1					12	4	1	3	3	1	5	2	1	1
			Soil Health and Fertility Management	Organic Farming	Training on Organic Farming	1	1					4		1					1	0	
			Soil Health and Fertility Management	Others (Pl. Specify)	Training on use of Liquid Biofertilizers	2	1					8		5		8			1	6	
			Livestock Production and Management	Dairy Management	Breeding Management of dairy Animals	01	01					11	-	8	0	6	5	9	-		
			Livestock Production and Management	Poultry Management	Training programme on Kadaknath poultry farming	01	01					0	0	4	0	9	6	0	0		
			Livestock Production and Management	Piggery Management																	



Name of KVK	Category (F & FW/F W)	Training Type (ONC/OF C)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants											
								Gen		SC		ST		Others					
								M	F	M	F	M	F	M	F				
			Management																
			Livestock Production and Management	Rabbit Management															
			Livestock Production and Management	Animal Nutrition Management	Feeding Management in Animals	01	01	2	0	2	0	3	0	3	0				
			Livestock Production and Management	Disease Management	Mastitis Management in Animals	01	01	1	0	3	0	0	0	5	1				
			Livestock Production and Management	Feed & fodder technologies	Round the year green production	1	1	5	0	2	1	8	0	3	0				
			Livestock Production and Management	Production of quality animal products	Azolla production	1	1	0	0	5	4	1	7	2	0				
			Livestock Production and Management	Others (Pl. Specify)	Training on Production of quality animal products	01	01	1	0	1	0	1	0	5	2				
					Clean Milk Production,	1	1	1	0	0	0	3	0	6	2				
					Goat farming	1	1	4	0	0	0	3	0	4	0				
					Parasite management	1	1	3	0	2	0	0	0	5	0				
			Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Training on designing of nutritional garden according to household requirement	3	1	0	9	0	1	0	1	0	1	4			
			Home Science/Women empowerment	Design and development of low/minimum cost diet	Training on preparation of Soya milk	1	1	0	5	0	4	0	6	0	4				
			Home Science/Women empowerment	Designing and development for high nutrient efficiency diet	Training on micro nutrient importance in diet	2	1	0	4	0	3	0	7	0	8				
			Home Science/Women empowerment	Minimization of nutrient loss in processing	Designing and development for high nutrient efficiency diet	2	1	0	5	0	3	0	5	0	1	4			

Name of KVK	Category (F & FW/FW)	Training Type (ONC/OF C)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
			Home Science/Women empowerment	Processing & cooking	Training on Preparation of drumstick products	3	1	0	13	0	7	0	3	0	8
			Home Science/Women empowerment	Gender mainstreaming through SHGs											
			Home Science/Women empowerment	Storage loss minimization techniques	Training on grain storage	2	1	0	8	0	4	0	13	0	6
			Home Science/Women empowerment	Value addition	Training on preparation of finger millet porridge	2	1	0	3	0	6	0	4	0	15
			Home Science/Women empowerment	Women empowerment	Training on kadaknath production	3	1	0	5	0	0	0	21	0	2
			Home Science/Women empowerment	Location specific drudgery reduction technologies	Training on use of okra plug	1	1	0	4	0	2	0	4	0	1
			Home Science/Women empowerment	Rural Crafts	Training programme for rural women on garment making for self employment	1	1	0	7	0	2	0	8	0	5
			Home Science/Women empowerment	Women and child care	Training on preparation on miner millet kodo, kutki product	2	1	0	6	0	9	0	11	0	2
			Home Science/Women empowerment	Others (Pl. Specify)	training on Rural craft like Bamboo material preparation	1	3	0	5	0	13	0	1	0	0
			Agril. Engineering	Farm machinery & its maintenance											
			Agril. Engineering	Installation and maintenance of micro irrigation systems											
			Agril. Engineering	Use of Plastics in farming practices											

Name of KVK	Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants											
								Gen		SC		ST		Others					
								M	F	M	F	M	F	M	F				
			Agril. Engineering	Production of small tools and implements															
			Agril. Engineering	Repair and maintenance of farm machinery and implements															
			Agril. Engineering	Small scale processing and value addition															
			Agril. Engineering	Post Harvest Technology															
			Agril. Engineering	Others (Pl. Specify)															
			Plant Protection	Integrated Pest Management	training programe management insect pest in Rice (Online) google meet)	1	1												25
	FW	OFC	Plant Protection	Integrated Pest Management	management of Insect pest in Pigeonpea (Online) googale meet	2	1												25
	FW	OFC	Plant Protection	Integrated Pest Management	management Fall Armywarm in Maize crop	2	1	22		3		1							
	FW	OFC	Plant Protection	Integrated Pest Management	training programme on management of insect pest in pigeonpea and Rabi crops	1	1					12	8						
	FW	OFC	Plant Protection	Integrated Pest Management	Training programme on Management of gram pod borer in chickpea	1	1	4		4		2							30
	FW	OFC	Plant Protection	Integrated Pest Management	training programe on seed treatment and Integrated pest management in Rabi crops	2	1			2		27							25
	FW	OFC	Plant Protection	Integrated Disease Management	training on seed treatment and IPM in wheat crop	1	1												13
	FW	OFC	Plant Protection	Integrated Disease Management	training on management of insect pest in mustard crop	1	1												13

Name of KVK	Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
	FW	OFC	Plant Protection	Integrated Disease Management	training on management invasive pest Tutaabsoluta in Tomato crop	1	1			5		4		2	2
	FW	OFC	Plant Protection	Integrated Disease Management	Training on preparation of low cost Yellow sticky and fruitfly traps.	1	1							1	4
	FW	ONC	Plant Protection	Bio0control of pests and diseases	Management of wilt disease in Chickpea by using beneficial microbes	1	1								
			Plant Protection	Production of bio control agents and bio pesticides											
	FW	OFC	Plant Protection	Integrated Disease Management	Training programme on seed treatment of chickpea for management of wilt disease	1	1					2	0	1	
	FW	OFC	Plant Protection	Integrated Disease Management	training programme on seed treatment and use beneficial microbes for wilt management in chickpea	1	1			5		2	1	1	5
			Fisheries	Integrated fish farming											
			Fisheries	Carp breeding and hatchery management											
			Fisheries	Carp fry and fingerling rearing											
			Fisheries	Composite fish culture											
			Fisheries	Hatchery management and culture of freshwater prawn											
			Fisheries	Breeding and culture of ornamental fishes											
			Fisheries	Portable plastic carp hatchery											
			Fisheries	Pen culture of fish and prawn											
			Fisheries	Shrimp farming											
			Fisheries	Edible oyster farming											
			Fisheries	Pearl culture											
			Fisheries	Fish processing and value addition											
			Fisheries	Others (Pl. Specify)											

Name of KVK	Category (F & FW/F W)	Training Type (ONC/OF C)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants											
								Gen		SC		ST		Others					
								M	F	M	F	M	F	M	F				
			Production of Input at site	Seed Production															
			Production of Input at site	Planting material production															
			Production of Input at site	Bio0agents production	Training on Different bio agent production	1	1												
			Production of Input at site	Bio0pesticides production															
			Production of Input at site	Bio0fertilizer production															
			Production of Input at site	Vermi0compost production															
			Production of Input at site	Organic manures production															
			Production of Input at site	Production of fry and fingerlings															
			Production of Input at site	Production of Bee0colonies and wax sheets															
			Production of Input at site	Small tools and implements															
			Production of Input at site	Production of livestock feed and fodder															
			Production of Input at site	Production of Fish feed															
			Production of Input at site	Mushroom production															
			Production of Input at site	Apiculture															
			Production of Input at site	Others (Pl. Specify)															
			Capacity Building and Group Dynamics	Leadership development															
			Capacity Building and Group Dynamics	Group dynamics															
			Capacity Building and Group Dynamics	Formation and Management of SHGs															
			Capacity Building and Group Dynamics	Mobilization of social capital															
			Capacity Building and Group Dynamics	Entrepreneurial development of farmers/youths	Entrepreneurial development for organic farming	1	1	5	4	3	1	2	3	4	2				
			Capacity Building and Group Dynamics	WTO and IPR issues															
			Capacity Building and Group Dynamics	Others (Pl. Specify)	Others (Pl. Specify) Organic farming in Kharif Crops	1	1	3	0	2	1	0	0	2	8				
			Capacity Building and Group Dynamics	Agri Extension	Organic farming in Rabi Crops	1	1	5	3	0	2	2	1	5	1				
			Capacity Building and Group Dynamics	Agri Extension	Wheat crop residue managment	1	1	12	0	2	0	1	0	1	7	2			
			Capacity Building and Group Dynamics	Agri Extension	Training on use of whats app and agriculture	1	1	1	0	3	0	0	0	8	1				

Name of KVK	Category (F & FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants										
								Gen		SC		ST		Others				
								M	F	M	F	M	F	M	F			
					mobile app													
			Capacity Building and Group Dynamics	Agri Extension	Importance of organic farming	1	1	2	0	0	1	2	0	7	0			
			Capacity Building and Group Dynamics	Agri Extension	Sarso ki unnat kheti	1	1	6	0	0	1	0	0	6	3			
			Capacity Building and Group Dynamics	Agri Extension	Sarso mae posak pravandhan	1	1	2	5	7	5	4	3	2	5			
			Capacity Building and Group Dynamics	Agri Extension	Crop diversified to farming in kharif crops	1	1	3	3	1	0	4	0	3	0			
			Capacity Building and Group Dynamics	Agri Extension	Organic farming kharif crop	1	1	6	0	3	0	2	3	2	0			
			Capacity Building and Group Dynamics	Agri Extension	Sarso ki jevik kheti	1	1	3	0	3	0	5	0	5	0			
			Capacity Building and Group Dynamics	Agri Extension	Dhan ki unnat kheti	1	1	5	0	2	0	1	0	5	0			

**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	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
	RY		Nursery Management of Horticulture crops											
	RY		Training and pruning of orchards											
	RY		Protected cultivation of vegetable crops	Protected cultivation of vegetable crops	1	10	5	0	1	0	0	0	11	0
	RY		Commercial fruit production											
	RY		Integrated farming											
	RY		Seed production	Seed production wheat crop	1	1								
	RY		Production of organic inputs											

Name of KVK	Category (RY)	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
	RY		Planting material production											
	RY		Vermi culture											
	RY		Mushroom Production	Training on mushroom production	3	2	7		2		3		4	11
	RY		Bee keeping											
	RY		Sericulture											
	RY		Repair and maintenance of farm machinery and implements											
	RY		Value addition	Training on preparation of awala product	1	5	6	3	0	3	1	3	1	11
	RY		Small scale processing											
	RY		Post Harvest Technology											
	RY		Tailoring and Stitching											
	RY		Rural Crafts											
	RY		Production of quality animal products											
	RY		Dairying											
	RY		Sheep and goat rearing											
	RY		Quail farming											
	RY		Piggery											
	RY		Rabbit farming											
	RY		Poultry production	Kadaknath poultry farming	01	01								
	RY		Ornamental fisheries											
	RY		Composite fish culture											
	RY		Freshwater prawn culture											
	RY		Shrimp farming											
	RY		Pearl culture											
	RY		Cold water fisheries											
	RY		Fish harvest and processing technology											
	RY		Fry and fingerling rearing											
	RY		<b>Others(Pl. Specify)</b>	Training Programme on basic computer Skill development for rural youth	1	1								

**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)	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4		6	7	8	9	10	11	12	13	14	15
	IS		Productivity enhancement in field crops											
	IS		Integrated Pest Management	Management of Invasive Pest Fall Army Worm and Tomato Pin worm/American Leaf minor	1	1	17	0	1	0	1	0	0	0
	IS		Integrated Nutrient management	Training on eco-friendly tools for management of Insect Pest for Organic Agriculture	1	1								
	IS		Rejuvenation of old orchards											
	IS		Protected cultivation technology	Protected cultivation technology	1	1	3	0	1	0	1	0	14	0
	IS		Production and use of organic inputs											
	IS		Care and maintenance of farm machinery and implements											
	IS		Gender mainstreaming through SHGs											
	IS		Formation and Management of SHGs											
	IS		Women and Child care											
	IS		Low cost and nutrient efficient diet designing											
	IS		Group Dynamics and farmers organization											
	IS		Information networking among farmers											
	IS		Capacity building for ICT application	use of ICT Tools and mobile Applications for Anganwadi Extension Worker	1	1								
	IS		Management in farm animals	Management of Dairy	01	01								



Name of KVK	Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4		6	7	8	9	10	11	12	13	14	15
				Animals										
	IS		Livestock feed and fodder production											
	IS		Household food security											
	IS		Others(Pl. Specify)	Promotion of Nutritional garden in Anganwadi Kendr	1	1								
				Training for Anaganwadi worker for awareness of minor millets	1	1								

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

Name of KVK	Thematic Area	Sub Theme	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
	Crop production and management	Commercial floriculture													
	Crop production and management	Commercial fruit production													
	Crop production and management	Commercial vegetable production													
	Crop production and management	Integrated crop management	Udyaniki Faslon ki sanrakshit kheti evam unka samanvit Prabandhan	Vegetables	Integrated Vegetable management	1	10	5	0	1	0	0	0	1	0
	Crop production and management	Organic farming													
	Crop production and management	Others(Pl. Specify)													
	Post harvest technology and value addition	Value addition													
	Post harvest technology and value addition	Others(Pl. Specify)													

Name of KVK	Thematic Area	Sub Theme	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
	Livestock and fisheries	Dairy farming	Management of Dairy Animals	Dairy		01	25	3	0	2	0	4	0	1	0
	Livestock and fisheries	Composite fish culture													
	Livestock and fisheries	Sheep and goat rearing	Goat Farming	Goat rearing		01	10								
	Livestock and fisheries	Piggery													
	Livestock and fisheries	Poultry farming													
	Livestock and fisheries	Others(Pl. Specify)													
	Income generation activities	Vermi-composting	Vermi-composting	CP		1	7								
	Income generation activities	Production of bio-agents, bio-pesticides,													
	Income generation activities	Bio-fertilizers etc.													
	Income generation activities	Repair and maintenance of farm machinery & implements													
	Income generation activities	Rural Crafts													
	Income generation activities	Seed production	Seed production	CP		1	10								
	Income generation activities	Sericulture													
	Income generation activities	Mushroom cultivation													
	Income generation activities	Nursery, grafting etc.													
	Income generation activities	Tailoring, stitching, embroidery, dying etc.													
	Income generation activities	Agril. para0workers, para0vet training													
	Income generation activities	Others(Pl. Specify)													
	Agricultural Extension	Capacity building and group dynamics													
	Agricultural Extension	Others(Pl. Specify)	Food preservation	WOE		1	10								

**Table 5.5. Sponsored Training Programmes**

Name of KVK	Client (F & FW/FW/RY/IS)	Title	Thematic area	Sub-theme	Training Title	No. of courses	Duration (days)	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
								Gen		Others		SC		ST			
								M	F	M	F	M	F	M	F		
			Crop production and management	Increasing production and productivity of crops													
			Crop production and management	Commercial production of vegetables													
			Crop production and management	Production and value addition													
			Crop production and management	Fruit Plants													

Name of KVK	Client (F & FW/F W/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	No. of courses	Duration (days)	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
								Gen		Others		SC		ST			
								M	F	M	F	M	F	M	F		
			Crop production and management	Ornamental plants													
			Crop production and management	Spices crops													
			Crop production and management	Soil health and fertility management													
			Crop production and management	Production of Inputs at site													
			Crop production and management	Methods of protective cultivation													
			Crop production and management	Others(Pl. Specify)													
			Post harvest technology and value addition	Processing and value addition													
			Post harvest technology and value addition	Others(Pl. Specify)													
			Farm machinery	Farm machinery, tools and implements													
			Farm machinery	Others(Pl. Specify)													
			Livestock and fisheries	Livestock production and management													
			Livestock and fisheries	Animal Nutrition Management													
			Livestock and fisheries	Animal Disease Management													
			Livestock and fisheries	Fisheries Nutrition													
			Livestock and fisheries	Fisheries Management													
			Livestock and fisheries	Others(Pl. Specify)													
			Home Science	Household nutritional security													
			Home Science	Economic empowerment of women													
			Home Science	Drudgery reduction of women													
			Home Science	Others(Pl. Specify)													
			Agricultural Extension	Capacity Building and Group Dynamics													
			Agricultural Extension	Others(Pl. Specify)													

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

Name of KVK	Training title	Self employed after training			Number of persons employed elsewhere
		Type of units	Number of units	Number of persons employed	

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

Name of KVK	Title	Thematic area	Sub-theme	Client (FW/RY/IS)	Duration (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

**Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2020**

Area of Training	Jan-Dec-2020	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	3	47
Design and development of low/minimum cost diet	1	19
Designing and development for high nutrient efficiency diet	1	22
Minimization of nutrient loss in processing	1	27
Processing and cooking	3	31
Gender mainstreaming through SHGs		
Storage loss minimization techniques	2	31
Value addition	2	28
Women empowerment	3	28
Location specific drudgery reduction technologies	1	11
Rural Crafts	1	19
Women and child care	2	28
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture	1	19

**Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2020**

Area of Training	Jan-Dec-2020	
	Courses	Participants
Crop Production	8	121
Horticulture	5	88
Soil Health and Fertility Management	5	102
Livestock Production and Management	11	204
Agril. Engineering		
Plant Protection	12	298
Fisheries		
Production of Input at site		
Capacity Building and Group Dynamics		
Agro forestry		

**Table 5.10 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./ha or Rs./ year)		Impact on		
			Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)

## 6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no., "please don't give "mass" ) *								Remarks			
				Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages	
				M	F	M	F	M	F	M	F				
	Agri mobile clinic														
	Advisory Services	5	40	44	22	21	4	44	23			awareness	Various Topics	Differed stages	
	Plant/Animal Health Camp	10	4	52	12	15	9	31	14			awareness	Various Topics	Differed stages	
	Awareness programme	8	34	82	46	38	28	6	0	21	7	awareness	Various Topics	Differed stages	
	Celebration of important days	25													
	Diagnostic visits	4													
	Exhibition	2	4	122	28	47	16	42	6	36	14	awareness	Various Topics	Differed stages	
	Exposure visits														
	Extension literature	25	18												
	Ex-trainees Sammelan														
	Farmers visit to KVK	6	45												
	Farm Science Club														
	Farmers Seminar/Workshop	2	2	83	19	39	21	21	0	16	3	awareness	Various Topics	Differed stages	
	Field Day	1													
	Film Show														
	Group Discussion	5													
	Kisan Ghosthi/Sammelan	2	2	83	19	39	21	21	0	16	3	awareness	Various Topics	Differed stages	
	Kisan Mela	10	0	0	0	0	0	0	0	0	0	awareness	Various Topics	Differed stages	
	Krishi Mahotsav														
	Lectures delivered as resource persons	70	23	78	10	12	0	12	6	15	2	awareness	Various Topics	Differed stages	
	Mahila Mandals conveners meetings	2													
	Method Demonstrations	1	12	45	12	24	6	18	6			awareness	Various Topics	Differed stages	
	Pradhanmantri phasal beema														

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no., "please don't give "mass" ) *								Remarks		
				Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F	M	F			
	yojana													
	Scientific visit to farmers field													
	Self Help Group conveners meetings	2												
	Soil health Camp	2	2	42	0	25	12	30	14			awareness	Various Topics	Differed stages
	Soil test campaigns	2												
	Special Day Celebration (please specify name)	9	10	26	12	41	21	25	20	12	2	awareness	Various Topics	Differed stages
	Technology Week	6	0	0										
	Others													

### Mass media used for wide publicity

Name of media	Number of events/activity	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media ( Local/ Regional/National)
CD/DVD				
Radio talks	2	Akashvani Bhopal	MP	Regional
TV talks	2	DoodarshanMP	MP	Regional
Newspaper coverage	9	Dainikbhasker, Navbharat, Navduniya, Patrika	Hoshangabad	Regional
Kisan Mela				
Extension Literature				
Internet (Youtube)	5	KVK Govindanagar	KVK Office	National
Social media (Whats App, Facebook, Instagram, Twitter etc.)	80			National

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

### 7.1 KVK Newsletters (Jan to Dec. 2020)

KVK Name	Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.)
	January to March 2020	Q1	500	400	Farmer, Official
	April to June 2020	Q2	500	400	Farmer
	July to September 2020	Q3	500	400	Farmer
	October to December 2020	Q4	500	400	Farmer

### 7.2 Literature developed/published

KVK Name	Type	Number (please don't give mass please fill number only)	Number of copies printed (please don't give mass please fill number only)
	Abstract		
	Book		
	Book Chapter		
	Booklet		
	CD/DVD	7	500
	Leaflets/ Folder/ Pamphlet	12	1000
	Popular article	1	1
	Research Paper	5	0
	Technical Bulletin		
	Training Manual	5	100
	Technical Report		
	Year Planner		
	Others (pl. specify)		



### Research paper /Review paper published during Jan to Dec. 2020

Name of KVK	Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating ( 2020) /impact factor

### 7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number

## 8. Production and supply of Technological products

### 8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety (pl. give the name of variety instead of local)	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
	Cereal	Paddy	Kranti	80.0	3500/q.	150	100ha.
	Cereal	Wheat	GW-322,HI-8759	60.0,20.0	3500/q.	80	80ha.
	Pulse	Chickpea	RVG-202	20.0	6600/q.	75	26ha.

	Pulse	Greengram	MH-421	21.0			
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## 8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety (pl. give the name of variety instead of local)	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Govindnagar Hoshangabad	Flower	Marrigold	Orange	1000	350	20	0.1

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

\* Name of product should follow same pattern

KVK Name	List of 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.), if applied
	Bio Fertilizers	Non Symbiotic Azotobacter					
		Vermicompost					
		Azolla	345		34500	218	
		Earthworms					
		Compost					
		Blue green algae					
		NADEP					
		Sanjeewani Khad					
		Acetobactor					
		Aspergillus					
		Azatobactor					
		Azospirillum					
		Phosphate solublizing Bacteria					
		Rhizobium					
		Other (pl. sp.)					
	Bio-Food	Spirulina					
		Honey					
		Any Other (pl. sp.)					
	Bio Pesticides	Neem extract					
		Neem powder					
		Tobacco extract					
		Trichoderma viride					
		Trichoderma harjinum					
		Trichogramma chilonis					
		Beauveria bassiana					
		Metarhizium anisopliae					

KVK Name	List of 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.), if applied
		Pseudomonas fluorescens					
		SINPV					
		HaNPV					
		GF1					
		Baco Lures					
		Heli Lures					
		Leucin Lures					
		Paecilomyces					
		Panchagavya					
		Verticillium					
		<b>Bio Agents (Tricho card)</b>	Trichogramma chilonis				
	Chrysoperla carnea						
	Tricho card						
	Any other <b>(Pl. Specify)</b>						
	<b>Bio Agents (Pyrilla parasitoids)</b>	Ooincirtus papilionis					
		Epiricania melanolauca					
	<b>Bio Agents(Worms)</b>	Eisenia fetida					
		Eudrilus eugeniae					
		Earth worm					
		Any other <b>(pl. specify)</b>					
	<b>Others</b>	Mushroom spawn					
		Mineral Mixture					
		Cow dung (dry)					
		Any other <b>(pl. specify)</b>					

#### 8.4 Livestock and fisheries production

KVK Name	Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
					unit (kg/qt./liter/no)	Qty.		
	Dairy animals	Cow	Sahiwal	In herd	42000lit.milk	91	1680000	218
		Calves	Sahiwal	In herd		30	450000	28
		Goats	Sirohi	In Pen		36	360000	7
		Buffaloes						
		Sheep						
		Breeding bull	Sahiwal	In herd		35	35000	16
		Other (pl specify)						
	Poultry	Poultry						
		Japanese quail						
		Japanese quail eggs						
		Ducks						
		Turkey						
		Other						
	Piggery	Piglets						
		Boar						
		Sow						
		Other (pl specify)						
	Fisheries	Indian carp						
		Exotic carp						
		Other (pl specify)						

## 9. Activities of Soil and Water Testing Laboratory

### 9.1 Details of soil samples analyzed during Jan to Dec. 2020 :

KVK Name	Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
		Sanctioned	Procured	Collected by KVKs	Provided by Dept./ DDA	by KVKs		By Department	By KVK		By Department			Through Mini Soil Testing kit	Through Soil testing laboratory
						Mini Soil Testing kit	Soil testing laboratory		Mini Soil Testing kit	Soil testing laboratory					
		0	0	78	0	78	0	0	78	0	0	18	0	78	0

### 9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)

### 9.3 Details of Plant samples analyzed so far :

KVK Name	No. of Plant Samples analyzed	No. of Farmers	No. of Villages	Amount realized

## 10. Rainwater Harvesting

### 10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit 🌿

Name of KVK	Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants								
					SC		ST		Other		General		Total
					Male	Female	Male	Female	Male	Female	Male	Female	

### 10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)

## 11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Name of KVK	Date	Title of the training course	Client	No. of Courses	No. of Participants								
					SC		ST		Other		General		Total
					Male	Female	Male	Female	Male	Female	Male	Female	
Govindnagar Hoshangabad	June 2020	Micro Irrigation	Farmers and students	1	3	1	2	1	12	23	4	4	51

## 12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/farmers/	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)

			visitors stayed			

### 13. 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

### 14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*

\*Attached separate file.

### 15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
	549	26	12	587

### 16. Status of Kisan Mobile Advisory (KVK-KMA)

KV K	S. No.	Thematic area	Particulars	No of Calls	No of advisory sent	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA



KV K	S. No.	Thematic area	Particulars	No of Calls	No of advisory sent	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
	1	Crop Management	Crop Production Technology			6	183436	927	927
			Integrated Farming						
			Field Preparation						
			Any Other (Specify)			2	96476	927	927
	2	Weather	Advisory			2	408740	927	927
			Change in variety						
			Change in Sowing technique						
			Climate forecast			1	68885	927	927
			Any Other (Specify)						
	3	Soil Management	Soil Testing						
			INM						
			Fertilizer Application						
			Vermicomposting/ bio- waste recycling						
			Bio-fertilizer						
			Any Other (Specify)			2	51383	927	927
	4	Disease & Pest Management	Disease Management			2	150888	927	927
			Pest Management			5	397770	927	927
			Preventive Advisory Disease Management						
			Preventive Advisory Pest Management						
			Bio-pesticides						
Any Other (Specify)									
5	Nutrition Security & Women Empowerment	Nutrition Awareness							
		Kitchen garden							
		Value Addition and Processing							
		Drudgery Reduction							
		Entrepreneurship & Income Generation							

KV K	S. No.	Thematic area	Particulars	No of Calls	No of advisory sent	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
			Advisory						
			Any Other (Specify)						
	6	Horticulture	Vegetable			1	40376	927	927
			Fruit						
			Hi Tech Horticulture						
			Any Other (Specify)						
	7		Livestock	Feed and Fodder			1	48244	927
		Dairy Management				3	113091	927	927
		Fisheries							
		Poultry Management							
		Vaccination & Disease management				1	40072	927	927
		Any Other(Specify)				3	142390	927	927
	8	Farm Mechanization							
	9	Extension				1	244922	927	927
	10	Organic Farming							
	11	Marketing							
	12	Awareness				2	56743	927	927
	13	Other Enterprise				1	56843	927	927
	14	Any Other(Specify)							

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

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)

**18. Status of Contingency Utilization Jan-Dec-2020**

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
		OFT			
		FLD (other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme (Pl. Specify)			
		Others (Pl. Specify)			

**19. Status of Revolving Funds (Rs.)**

KVK Name	Account No.	Opening balance on 01 .01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund

**20. Awards & Recognitions**

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/ National)	Awarding Organizations	Amount received

**21. Details of Crop cafeteria in Agro-technological Park in your KVK.**

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
400	Vegetables	Tomato	Himsohna	
100	Vegetables	Cabbage	BC-	
100	Vegetables	Cauliflower	Kimaya	
200	Vegetables	Capsicum	Delisha	
200	Vegetables	Broccoli	Green Magic	
500	Vegetables	Tomato	Kashi Aman	
50	Vegetables	Bottle gourd	Kashi Ganga	
50	Vegetables	Bitter Gourd	Navbharat	
50	Vegetables	Sponge Gourd	Chikni	

**22. 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 farm innovator with pin code	Mobile No.
1	Govindnagar Hoshngabad	Shri Roopsingh Rajput	Integrated organic farming	Village Rohana Hoshangabad	9753684430
2	Govindnagar Hoshngabad	Shri Sharad Verma	Integrated Farming	Village Somalwada Khurd Itarsi	9300772537
3	Govindnagar Hoshngabad	Shri Ramkumar Kushwaha	Organic Vegetable production	Village Pahnwarri Hoshangabad	6261637140
4	Govindnagar Hoshngabad	Shri Sahab Mehto	Organic Vegetable production	Village Pathrota Kesla	9755292301
5	Govindnagar Hoshngabad	Shri Prateek Sharma	Organic Vegetable production	Dolariya Hoshangabad	7987621152
6	Govindnagar Hoshngabad	Shri Anil Gour	Organic Vegetable production	Seoni malwa Hoshangabad	9669316840
7	Govindnagar Hoshngabad	Shri Sushil Goydani	Integrated Farming	Khaparkheda Piparia	9425475330
8	Govindnagar Hoshngabad	Shri Rajaji Paliya	Progressive Mango farmer	Kanvas Bankhedi	9981120711
9	Govindnagar Hoshngabad	Shri Savindra Rajput	Vegetable production	Paraswada Bankhedi	9977698089
10	Govindnagar Hoshngabad	Shri Gopal Kushwaha	Integrated Farming	Tindwada Bankhedi	9098824893

**\*Attached separate File**

### 23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Govindnagar Hoshangabad	December 2020	40

### 24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
Hoshangabad	7	927	3	4	122	805

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, and Awareness programmes etc.

### 25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

KVK Name	Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation*

\*Attached separate File

### 26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
Hoshangabad	KVK Harda	Seed Purchase			
Hoshangabad	KVK Narsinghpur	Seed Purchase			

### 27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Govindnagar	Shri Suresh Ji Soni	23/08/2020			(Sah Sarkaryvah RSS)	
	Shri Kamal Patel	27/12/2020			(Agriculture Minister M.P)	

	Dr. SRK Singh	27/12/2020	(Director ATARI) ATARI Zone IX, Jabalpur			
	Dr. P.K Bisen	27/12/2020		(VC, JNKVV)		

### 28. Status of KVK Website during Jan to Dec. 2020

S.No	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020	Flag Collected	Year Planner
	Hoshangabad	Jan. 2020	<a href="http://kvkhoshangabad.com/">http://kvkhoshangabad.com/</a>	100+	5000+		

### 29. Mobile Apps developed by KVK

S.No	Name of KVK (Developer)	Name of Host organization	Title of Mobile App	Content (in one line)	Languages (in which app developed)	Number of downloads	Total expenditure incurred in developing app (Rs.)
	Hoshangabad	BBSLN	<ul style="list-style-type: none"> <li>Ganne Se Samriddhi</li> </ul>		Hindi	<ul style="list-style-type: none"> <li>18000</li> </ul>	
	Hoshangabad	BBSLN	<ul style="list-style-type: none"> <li>KVKHoshangabad</li> </ul>			<ul style="list-style-type: none"> <li>6000+</li> </ul>	

### 30. ICT based module

#### 30.1 Information on Whats app in social media by KVK

KVK	Discipline wise group with name of discipline	No of Farmer members	Activity details on whats app group
Govindnagar Hoshangabad	Horticulture progressive Farmer	40	Active group

### 30.2 Information on social media by KVK

KVK	Facebook			Twitter		Instagram	
	Scientists linked	Farmers connected	No of Post	No of tweets	People following	No of share	People following
		4998	106	81	40	51	155

#### 30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks

#### 31. Status of Citizen Charter

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

#### 32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
	<b>Total</b>			

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)

#### 33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks

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

#### 34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher

KVK					course/CAFT/Summer winter school/short course)

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)

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

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization

**36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS**

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
	Gosthies			
	Lectures organized			
	Exhibition			
	Film show			
	Fair			
	Farm/ Field Visit			
	Diagnostic Practical's			
	Distribution of Literature (No.)			
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Distribution of Bio Fertilizers (q)			
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			
	Animal health camp			
	Awareness programme			



Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
	Demonstration			
	Exposure visit			
	Ex-trainees Meet			
	Farmer scientist interaction			
	Farmers Training			
	Gajarghans Unmulan Pakhwada			
	Group Meeting			
	Jai Kisan Jai Vigyan Sangoshthi			
	Plant Protection Week			
	Seed treatment campaign			
	Self Help Group convener meet			
	Soil health Camp			
	Swachha Bharat Abhiyan			
	Others (Pl. Specify)			

### 37. INTERVENTIONS ON DROUGHT MITIGATION

#### Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries

#### Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breeding/Feeding/Health/ Housing)	Number of interactions	No. of participants

#### Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted

#### Seed distribution in drought hit area

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
<b>Seedlings</b>				
<b>Saplings</b>				

### 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

### Worms Produced

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

### Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list 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

### 38. Information for TSP Jan-Dec-2020

Sl. No.	KVK	Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
		No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person	On-farm trials	Frontline demos	Mobile agro-advisory to farmers						

### 39. Information for SCSP Jan-Dec-2020

Sl. No.	KVK	Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
		No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings/Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person	On-farm trials	Frontline demos	Mobile agro-advisory to farmers						

### 40. Information for KSHAMTA Jan-Dec-2020

Sl. No.	State	Name of KVK	Number of Adopted Villages	No. of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training

## 41. Activities for Sansad Adarsh Gram

### Information about Sansad Adarsh Gram

Name of KVK	Block	Village

### 1. Technologies to be Demonstrated

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

### 2. Extension Activities

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

### 3. Training Programme

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

## 42. Activities in DFI Village during Jan-Dec-2020

## Information about DFI Village

Name of KVK	Block	Name of DFI Village	Total geographical area (ha)	House hold	Population
Govindnagar Hoshangabad	Bankhei	Tindwada	382.92	238	1162

### 1. Technologies Assessed (OFT) in DFI Village

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area (ha)	No. of beneficiaries
Govindnagar Hoshangabad	Increase in productivity of crops	Assessment of HYV variety Kashi Aman of Tomato	2	0.4	2
		Assessment of Improved Variety of Cabbage Pusa Mukta	3	0.6	3
	Diversification towards high value crops	Assessment of Coriander for leaves as intercrop in sugarcane	2	0.4	2
		Assessment of Broccoli among traditionally grown cole crop farmers in organic farming	2	0.4	2
		Assessment of Capsicum crop among traditionally chilly crop grown farmers	3	0.6	3
Govindnagar Hoshangabad	Increase in productivity of crops	Assessment of HYV variety Kashi Aman of Tomato	2	0.4	2

### 2. Technologies Demonstrated (FLD) in DFI Village

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area (ha)	No. of beneficiaries
	Increase in productivity of crops	Demonstration of HYV variety Kashi Aman of Tomato	3	1	3
		Demonstration of Improved Variety of Cabbage Pusa Mukta	2	1	2
	Increase in production of livestock				

	Improvement in efficiency of input use (cost saving)				
	Increase in crop intensity				
	Diversification towards high value crops				
	Improved price realization by farmers and market linkage				

### 3. Training Programme conducted in DFI Village

Name of KVK	Training Title	No. of Courses	Duration (Days)	Gen		SC		ST		Other		Total
				M	F	M	F	M	F	M	F	

### 4. Extension Activities in DFI Village

Name of KVK	Activity	No. of activities	SC		ST		Other		Officials		Total
			M	F	M	F	M	F	M	F	

## 43. Activities in Nutri-Smart Village during Jan-Dec-2020

### Information about Nutri-Smart Village

Name of KVK	Block	Name of Nutri Smart Village
Govindnagar Hoshangabad	Bankhedi	Kothari

### 1. Technologies Assessed (OFT) in Nutri Smart Village

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area	No. of beneficiaries
	Nutritional Garden (activity in no. of Unit) (m <sup>2</sup> )				
	Bio-fortified Crops (activity in no. of Unit) (ha)				
	Value addition (activity in no. of Unit/Enterprise)				
	Other Enterprises (activity in no. of Unit/Enterprise)	Assessment of Improved Variety of Cabbage Pusa Mukta	1	0.2	1
	Income generation (activity in no. of Unit/Enterprise)				
	Drudgery reduction (activity in no. of Unit/)				

Enterprise)				
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## 2. Technologies Demonstrated (FLD) in Nutri Smart Village

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area	No. of beneficiaries
	Nutritional Garden (activity in no. of Unit) ( <b>m<sup>2</sup></b> )				
	Bio-fortified Crops (activity in no. of Unit) ( <b>ha</b> )				
	Value addition (activity in no. of Unit/Enterprise)				
	Other Enterprises (activity in no. of Unit/Enterprise)	Demonstration of Improved Variety of Cabbage Pusa Mukta	1	0.4	1
	Income generation (activity in no. of Unit/Enterprise)				
	Drudgery reduction (activity in no. of Unit/Enterprise)				

## 3. Training Programme conducted in Nutri Smart Village

Name of KVK	Training Title	No. of Courses	Duration (Days)	Gen		SC		ST		Other		Total
				M	F	M	F	M	F	M	F	

## 4. Extension Activities in Nutri Smart Village

Name of KVK	Activity	No. of activities	SC		ST		Other		Officials		Total
			M	F	M	F	M	F	M	F	

**44. (a) Case study / Success Story– (best two only in the following format in separate file attached )**

<b>Name of the KVK</b>	Hoshangabad
<b>TITLE</b>	Integrated pest management in Chickpea
<b>Introduction</b>	Shri Devendra Patel, Village - Tindwada, Tehsil- Bankhedi, Dist- Hoshangabad (MP)
<b>KVK intervention</b>	KVK provided training on IPM, seed treatment and demonstration on seed treatment by beneficial microbes and application of biopesticide
<b>Output</b>	Now farmer able to reduce his cost of pesticide application, reduce the pest infestation from 12.07 to 5.2 percent
<b>Outcome</b>	Increase the crop yield from 9.80 to 13.94 and net income from Rs. 24275 to Rs. 44497
<b>Impact</b>	Farmers aware about seed treatment by FIR System The demand of pheromone trap increased in the area.

❖ 2-3 Photographs with caption in .jpeg format.





( b) success stories/case studies

S.No	Themes
1	Maternal and child care
2	Nutrition literacy for girls
3	Drudgery reduction
4	Small scale income generation
5	Women Empowerment

<b>Name of the KVK</b>	<b>Govindnagar, Hoshangabad</b>
<b>Theme</b>	Small scale income generation
<b>TITLE</b>	Kadakhnath poultry farming
<b>Introduction</b>	<p>Livestock contribute to nutritional security of food as well as livelihood security of millions of people in India and having better potency of converting low value material, inedible or unpalatable of people in to milk, meat &amp; egg.</p> <p>Kadakhnath poultry farming is sustainable for income generation employment generation along with nutritional security. This story highlight the hard work and dedication of Hemlata dhurve who become entrepreneur of kadakhnath farming in Chakar village of Pipariya tahsil in Hoshangabad (M.P)</p> <p><b>Detail of Farmer</b>  <b>Name of farmer – Hemlata Dhurve</b>  <b>Village – Chakar</b>  <b>Category – ST</b>  <b>Farmer category – Poultry farmer</b>  <b>No. birds- 40</b>  <b>Breed – Kadakhnath</b></p>
<b>KVK intervention</b>	<p>KVK provided 40 kadakhnath chicks with the help of veterinary department of Pipariya and KVK provided many training to the farmer on kadakhnath farming</p> <p><b>Critical Input Supply</b> – Participants enriched with sound knowledge were 40 kadakhnatha chicks with the subsidy under the convergence of veterinary department in hoshangabad District.</p> <p><b>Extension Activity</b> – periodical visited to beneficiaries unit for health check up as well as to collect</p>

	information on growth performance & egg production potential of kadaknath breed.
<b>Outcome</b>	It has generated employment opportunities for rural youth & farmers were enriched with sound knowledge on commercial farming of breed. This farmer has successfully generated income of Rs. 15000 from eggs & Rs. 32000 from meat.
<b>Impact</b>	The progressive farmer Hemlata Dhurve sale eggs on commercial scale . They could produce fertile eggs & provided it other 20 farmers. Now 40 farmers are practicing this less capital intensive & sustainable economic return & livelihood oriented enterprises in the district

**High quality 2-3 action photographs with caption in .jpeg format**



## Success Story :-

<b>Name of the KVK</b>	<b>KVK Govindnagar, Bankhedi</b>
<b>TITLE</b>	<b>Azolla cultivation: A supplementary Livestock feed production through natural resource management</b>
<b>Introduction</b>	<p>Shrinking grazing lands and expanding cities in India lead the dairy farmers to depend more and more on commercial cattle feed resulting in increased costs of milk production. Based on the above fact, a need analysis was conducted among a dairy farmer of Hoshangabad District of Madhya Pradesh and found that, shortage of green fodders and high cost of concentrate feed were considered as significant factors which affecting milk production level. Hence, the Azolla cultivation technology is considered as an intervention to meet their dairy farmers' needs. Azolla, an aquatic floating fern, holds promise as a nutritive supplemental feed. It is rich in crude protein (over 20 %), essential amino acids like lysine (about 1 %) and minerals but very low in carbohydrate and fat content. It is widely used as a bio-fertilizer in many rice growing regions of the world. Azolla is responsible for nitrogen fixation. Under ideal conditions it grows exponentially, doubling its biomass in early three days</p>
<b>KVK intervention</b>	<p><b>Mr.Narendra Purviya</b> came for dairy training in KVK Govindnagar , he saw the Azolla demonstration unit in KVK .In order to enhance the milk yield ,Fat percentage and increase the productivity of different crops of the village</p> <p>Krishi Vigyan Kendra,Govindnagar has intervended and demonstrated low cost azolla cultivation at farm of Narendra Purviya of Sobhapur village.</p> <p>In this technology, a small water tank was constructed at his own farm by digging a pit of 8 x 3 x 2 feet and covered with a plastic lining.</p> <p>Narendra Purviya is a progressive farmer of Sobhapur and volunteered to adopt the low cost technology in his land to harvest green manure Narendra started this technology in 1 pit and present time he has constructed 8 Azolla pit</p>
<b>Output</b>	<p><b>Narendra has cultivated 12 kg.Azolla /pit in 10 days having Azolla pit size 8 x 3 x 2 feet</b></p> <p>.Narendra drawn 1.5 kg Azolla daily for each lactating animals.Narendra has 3 lactating</p>

	animals so 8 Azolla pit is sufficient.
<b>Outcome</b>	The low cost supplementation of <i>Azolla</i> can also improve the mean economic returns from single cow (through additional milk yield) per month in the village. Feeding of fresh green <i>Azolla</i> has increases in milk yield 15-20% and and save the feeding cost 20-25%. Farmers felt that the technology is highly useful because of easy to adopt and the results are also visible within a short period of time. It is concluded that the improvement in health and physical condition of animals and also increase in milk yield and Fat percent in milk.
<b>Impact</b>	The supplementary feed like Azolla improves the health of milch animals. Extra milk can be obtained from the milch animals by feeding them with Azolla. The cost of feeding can be decreased by the production of Azolla. So, it is necessary to promote the cultivation of Azolla as cattle feed among the Indian villagers. Before the intervention, Narendra Purviya hardly used to fulfill his requirement more conc. Feed so increased the feeding cost. Now he is producing sufficient quantity of azolla which he feeds to his cattle, and reduces the cost. From 2019 to till date more than 150 farmers started cultivation of Azolla to see the success of Narendra





## Case Study/ Success Story :-

<b>Name of the KVK</b>	<b>KVK Govindnagar Hoshangabad</b>
<b>TITLE</b>	Vegetable Production for small & marginal farmers: KVK Govind Nagar Hoshangabad
<b>Introduction</b>	Mr. Deepak Kushwaha, village Tindwada, block: Bankhedhi district: Hoshangabad, a farmer was selected for on farm testing of Cabbage (Pusa Mukta). He was earlier involved in production of agricultural crops like paddy, gram, wheat, green gram in his 2 acre land. He has limited income with this profession.
<b>KVK intervention</b>	KVK, Govindnagar Hoshangabad has encouraged the farmer for scientific package of practices of Cabbage & other vegetables crops starting from land preparation to harvesting. The High yield variety of cabbage & other vegetables was adopted by the farmer.
<b>Output</b>	Mr. Deepak Kushwaha adopted the scientific package of practices of cabbage & other vegetables crops as per suggestion of KVK's scientist. He has taken 3 acre land on lease for vegetable production. Now he is growing HYV of Cabbage & other vegetables in 5 acres of land. The economical gain in terms of per unit expenditure, gross income, net return and BCR are recorded as Rs 46, 000 Rs. 1, 06,500, Rs 60,500 and 2.32 respectively.
<b>Outcome</b>	Mr. Deepak Kushwaha is very happy with quality and production of vegetables. He is also satisfied with improvement in his income, livelihood and also set forth example for other farmers.
<b>Impact</b>	Mr. Deepak Kushwaha is becoming one of the progressive and learned farmers for others with regards to popularization of Vegetable farming. He has set forth example for other farmers of the district. He has also been awarded by KVK, Govindnagar Hoshangabad for good horticulture practices.



Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Govindnagar,Hoshangabad	4	

45. Well labeled Photographs in .jpeg format with **high resolution (300 dpi)**of **each activity** of the KVK.  
(Separately) (pl don't paste photo in word file)