

# कार्य योजना **ACTION PLAN**

(1<sup>st</sup> January to 31<sup>st</sup> December, 2024)

**South Western Semi Arid  
Zone of Uttar Pradesh**



भाकृअनुप-कृषि प्रौद्योगिकी अनुप्रयोग अनुसंधान संस्थान (अटारी), कानपुर

ICAR-Agricultural Technology Application Research Institute (ATARI)  
Kanpur - 208002



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**Published**

2024

**Citation**

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*Action Plan (2024) **South Western Semi Arid Zone of Uttar Pradesh***  
*ICAR-Agricultural Technology Application Research Institute (ATARI), Kanpur*



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## INTRODUCTION

The Indian Council of Agricultural Research (ICAR) is an autonomous organisation under the Department of Agricultural Research & Education (DARE), Ministry of Agriculture and Farmers Welfare, Government of India. Agricultural Extension Division is one of the Subject Matter Division where the major activities are of Assessment and Demonstration of Technology/Products through a network of 731 Krishi Vigyan Kendras (KVKs).

ICAR-Agricultural Technology Application Research Institute (ATARI), Kanpur is one of the 11 ICAR-ATARIs formerly known as Zonal Project Directorates (ZPDs) and the erstwhile Zonal Coordination Unit (ZCU) functioning under Division of Agricultural Extension established in the year 1979. ICAR has established a vast network of KVKs all over the country under the administrative control of various ICAR institutes, State Agricultural Universities (SAUs), State Department of Agriculture, Non-Governmental Organisations (NGOs) and other institutes for implementing the central governmental projects/schemes. In the Zone, 3 Agricultural Technology Information Centres (ATICs) are working for delivering the “Single Window” delivery system. Since, Zonal Project Directorate has been elevated as ICAR-Agricultural Technology Application Research Institute (ATARI).

### **The major functions of the ICAR-ATARI, Kanpur are:**

Planning, monitoring and reviewing of KVK activities in the zone; to identify, prioritize and implement various activities related to technology integration and dissemination

Coordinating with SAUs, ICAR institutes/organizations, line departments and voluntary organizations in the zone for implementation of KVK mandated activities and

Facilitating financial and infrastructural support to KVKs for effective functioning.

### **KVK and its mandate**

In Zone-III, 89 KVKs have been established by the ICAR in Uttar Pradesh across 75 districts.

The mandate of KVK is – Technology Assessment and Demonstration for its Application and Capacity Development (TADA-CD).

Besides, KVKs also act to

- Provide farm advisories using ICT and other media means on varied subjects of interest to farmers.
- Produce quality technological products (seed, planting material, bio-agents, livestock) and make it available to farmers, organize frontline extension activities, identify and document selected farm innovations and converge with ongoing schemes and programmes within the mandate of KVK.

### **KVK in Uttar Pradesh at a glance**

No. of Districts in U.P.	No. of KVKs under				Total KVKs
	SAU	ICAR	NGO	Other (Educational)	
75	67	7	12	3	89

## AGRO-CLIMATIC ZONES

Uttar Pradesh is divided into 9 agro climatic zones (Bhabhar and Tarai, Western Plain, Mid Western Plain, South Western Semi Arid, Central Plain, Bundelkhand, North Eastern Plain, Eastern Plain and Vindhyan Zone), depicted as in the following figure -



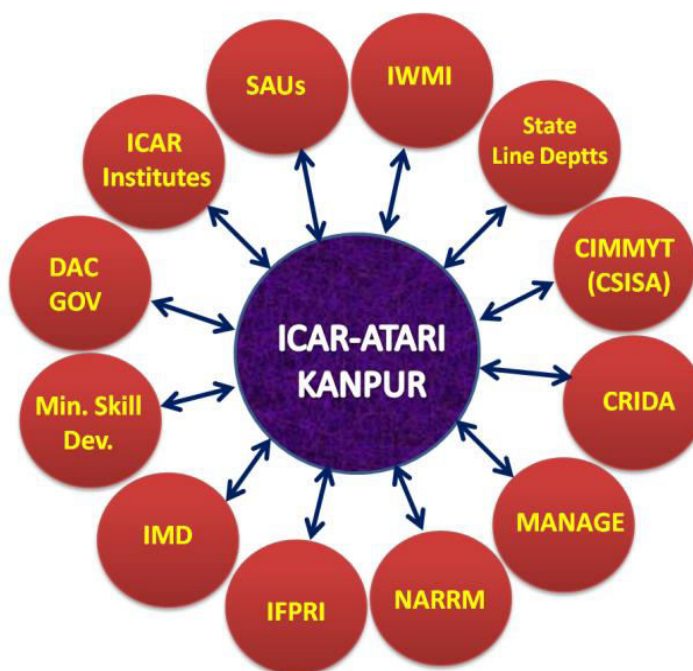
Distribution of 88 KVKs in U.P.

◆	SAU KVKs	67
◎	ICAR KVKs	07
●	NGO KVKs	12
■	Educational KVKs	03
	<b>Total</b>	<b>89</b>

**Note:** Districts with two KVKs : Azamgarh, Gonda, Bahraich, Sultanpur, Jaunpur, Ghazipur, Budaun, Moradabad, Muzaffarnagar, Lakhimpur Kheri, Hardoi, Sitapur, Gorakhpur, Prayagraj

## Functional Linkage with State, National & International Organizations

1. SAUs (SVPUAT, CSAUAT, NDUAT& BUAT) linked for technological backstopping to KVKs of Uttar Pradesh
2. Linkage with MANAGE Hyderabad for Agri-business & Agri Clinic Scheme & also knowledge up gradation of KVK staff in ICT.
3. Interface on KVK-ATMA linkage held at State level with Principal Secretary Agriculture & Director Agriculture for effective linkage.
4. IIVR, Varanasi for providing suitable technologies for vegetable production.
5. Linkage with CRIDA, Hyderabad for promoting climate resilient technologies in 13 districts of U.P.
6. Fodder development programme initiated in collaboration with IGFRI, Jhansi.
7. Linkage with National Rain fed Area Authority for development of Bundelkhand region.
8. Senior level interactions and meetings organized with line department officials for better convergence & linkage.



## South Western Semi Arid Zone

This zone consists of following eight districts –

1.	Aligarh
2.	Mainpuri
3.	Firozabad
4.	Hathrus
5.	Kasganj
6.	Etah
7.	Agra
8.	Mathura

The geomorphology of these districts is given below:

### (A) Agroclimatic Features

The soils are alluvial in nature and affected by salts. Average annual rainfall is 662 mm and the temperature ranges from 4 °C to 47 °C. The average relative humidity ranges from 32 to 82%. The ground-water of Agra, Mathura and Aligarh districts is brackish. Cropping intensity of the zone is 146 %. Pearl millet, maize, rice, wheat, rapeseed and mustard are the major field crops of the zone. Potato, ash gourd, vegetable pea, garlic, onion, spices and flowers are also cultivated. The major limitations of the zone are underground *brakish* water, alkalinity and undulating ravines.

## (B) Problems and Priorities

### Agriculture

Problems and Issues	Priorities
Problem of <i>brackish</i> water	Development of the technologies for the use of <i>brackish</i> water. Development of cropping system .
Poor seed replacement rate	Awareness about improved varieties and hybrids. Promotion of seed village production programmes.
Problem of yellow mosaic virus disease in mungbean and urdbean	Promotion of resistant varieties to yellow vein mosaic virus.
Problem of wilt and sterility mosaic disease in pigeonpea	Promoting inter cropping of pigeonpea with sorghum. Promotion of integrated pest management.
Problem of wilt and pod borer in chickpea	Awareness about wilt and pod borer tolerant/ resistant varieties. Promotion of integrated pest management.
Problem of micro-nutrient deficiency	Awareness about soil test based application of micronutrients. Training and demonstration on application of micronutrients.
Low productivity of mustard	Promotion of recommended cultivars. Rearing of honey bees. Promotion of integrated pest management.
Low productivity of pearl millet	Promotion of hybrids. Cultivation of pearl millet in summer season.

### Horticulture

Problems and Issues	Priorities
<i>Brackish</i> water problem	Development/ identification of suitable varieties/ germplasms of aonla, guava, ber, brinjal, pea, cucurbits, garlic, coriander, potato, rose, tuberose and medicinal plants tolerant to <i>brackish</i> water. Development of modules for conjunctive use of <i>brackish</i> water.
Sodicity and undulating ravines	Encouraging cultivation of aonla, ber, bael and guava on sodic soils and inter-cropping. Afforestation on ravines and degraded lands.
Alternate bearing and blind shoot problem in damask rose	Popularization of Noorjahan variety (developed by CIMAP) for commercial cultivation.
Lack of improved varieties of ash gourd for processing	Development/ screening of improved ash gourd varieties for processing.
Lack of improved varieties and post harvest management practices in garlic	Development/ screening of high yielding disease resistant varieties of garlic having bold clones and better shell life. Techniques for controlling sprouting during storage.

### (C) Livestock related Constraints

Bovine (cattle & buffaloes)	<ul style="list-style-type: none"><li>▪High incidence of leptospirosis.</li><li>▪Non genetic improvement of Bhadawari.</li><li>▪Lack of optimization of management practices.</li><li>▪Poor knowledge about feed resource utilization.</li><li>▪Indiscriminate use of oxytocin.</li><li>▪Mastitis</li></ul>
Caprine (goat)	<ul style="list-style-type: none"><li>▪Lung worms in goats.</li><li>▪Poor economic traits.</li><li>▪Bone softening (Agra, Mathura).</li><li>▪Poor availability of quality and desired bucks</li><li>▪High incidence of Pneumonia</li></ul>
Feeds & fodder	<ul style="list-style-type: none"><li>▪Inadequate feeds and fodder.</li><li>▪Lack of forage crop production system.</li><li>▪Low use of technical know –how of agroforestry.</li></ul>
Pig farming	<ul style="list-style-type: none"><li>▪ Non-availability of improved breed.</li><li>▪ Lack of market for pig &amp; pig products.</li><li>▪ Social &amp; religious taboos.</li></ul>
Fisheries	<ul style="list-style-type: none"><li>▪ Non awareness about fish production technology in problem soils.</li><li>▪ Low availability of fingerlings.</li></ul>



## SOUTH WESTERN SEMI ARID ZONE OF UTTAR PRADESH

### Summary Report of Action Plan 2024

S.N.	Name of KVK	OFT		FLD		Training		Extension Activities		Seed Production (q)	Planting Materials (Number)	Live Stock (Number)		Fish seed prod. (Number)	Soil Samples (Number)
		No of OFTs	No of farmers	Area (ha)	No of Farmers	No of Courses	No of Participants	No of Activities	No of Participants			No of unit	No of Farmers		
1.	Aligarh	7	35	120	325	105	2060	672	12170	200	41000	500	0	0	200
2.	Mainpuri	6	35	77.25	350	77	1745	381	8729	200	24000	0	0	0	150
3.	Firozabad	05	25	133.88	422	59	1540	180	7760	180	7760	100	0	0	400
4.	Hathrus	09	50	100	264	100	2980	600	14480	0	30000	0	0	0	150
5	Kasganj	6	40	40	180	100	2240	126	5605	200	3000	0	0	0	300
6	Etah	7	40	42.80	292	113	2554	116	4474	960	18250	5122	0	0	300
7	Agra	13	100	68.20	360	10	2147	200	5000	20	20000	0	0	0	1000
8	Mathura	12	60	100	250	100	2000	462	1000	200	20000	0	0	0	1200
	<b>Total</b>	<b>65</b>	<b>385</b>	<b>682.13</b>	<b>2443</b>	<b>664</b>	<b>17266</b>	<b>2737</b>	<b>59218</b>	<b>1960</b>	<b>164010</b>	<b>5722</b>	<b>0</b>	<b>0</b>	<b>3700</b>

# ACTION PLAN OF KVK ALIGARH

(1<sup>st</sup> January 2024 to 31<sup>st</sup> December 2024)

## 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
Krishi Vigyan Kendra, C.D.F. Campus, Aligarh	Office	FAX	<a href="mailto:kvkaligarh@rediffmail.com">kvkaligarh@rediffmail.com</a> <a href="mailto:kvkaligarhcsa@gmail.com">kvkaligarhcsa@gmail.com</a>	aligarh.kvk4.in

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

Address	Telephone		E mail	Website
Directorate of Extension, C.S. Azad University of Agriculture and Technology, Kanpur-208002	Office 0512-2549106	FAX 0512-2549106	directcsau@gmail.com	<a href="http://www.csauk.ac.in">www.csauk.ac.in</a>

1.2.b. Status of KVK website: Yes Date when the website last updated: 25.12.22

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : 1435

1.2.d Status of ICT lab at your KVK : No



- a) No. of PC units : 0
- b) No. of Printers : 0
- c) Internet connection : No









### 1.3. Name of the Programme Coordinator with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Ashish Kumar Srivastava	--	9452963913	<a href="mailto:kvkaligarh@rediffmail.com">kvkaligarh@rediffmail.com</a> <a href="mailto:kvkaligarhcsa@gmail.com">kvkaligarhcsa@gmail.com</a>

1.4. Year of sanction: 1992

### 1.5. Staff Position (as on 31<sup>st</sup> August, 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent / Temporary	Category (SC/ST/OBC/Others)	Mobile No.	Email id	Please attach recent photograph
1	Head	Prof.( Dr.) Ashish Kumar Srivastava	Professor	Agronomy	13140-21710-0	9000	198700	31.10.1992	Permanent	General	9452963913	ashishcsau1966@gmail.com	
2	Subject Matter Specialist	Dr Dharmendra Yadav	Scientist	Horticulture	79800-21150-0	8000	110400	29.11.2004	Permanent	OBC	9451424096	yadav.20150@gmail.com	

3.	Subject Matter Specialist	Mr. A.H. Warsi	Scientist	Agronomy	79800 - 211500	8000	38500/-	16.08.2002	Permanent	General	9450191475	atharwarsi16@gmail.com	
4.	Subject Matter Specialist	Dr. Ashraf Ali Khan	Scientist	Plant Protection	79800 - 211500	8000	101100	11.04.2008	Permanent	General	9458428404	aali_khan@rediffmail.com	
5.	Subject Matter Specialist	Dr Sudhir Kumar	Scientist	A.H.	79800 - 211500	8000	101100	11.04.2008	Permanent	SC	9005060801	sudhirkvk@gmail.com	
6.	Subject Matter Specialist	Dr. Netra Pal Malik	Scientist	Agri. Ext.	79800 - 211500	8000	101100	23.04.2008	Permanent	OBC	9412954947	netrapalmalik1@gmail.com	
7.	Subject Matter Specialist Computer Programmer			Home Science									
8.	Farm Manager												
9.	Program Assistant												
10.	Office Superintendent												
11.	Computer Operator/Jr. Stenographer	Mr Atul Kumar Srivastava	Steno-III	--	29200 - 92300		42800	19.05.2007	Permanent	General	7985888384	atulcsakvk@gmail.com	
12.	Jeep Driver	Mr. Manoj Nigam	Jeep Driver		25500 - 81100		42800	19.05.2007	Permanent	General	8707224501		
13.	Tractor Driver	Mr. Rajendra Singh	Tractor Driver	-	25500 - 81100		36400	07.05.2006	Permanent	OBC	9719192080		
14.	Supporting staff	Mr. Ramesh Kumar	Supporting staff	-	25500 - 81100		33300	02.12.2005	Permanent	OBC	8303868467		
15.	Supporting staff												
16.	Supporting staff												

1.6. Total land with KVK (in ha) : 20

S. No.	Item	Area (ha)
1	Under Buildings	1.00
2.	Under Demonstration Units	1.00
3.	Under Crops	14.00
4.	Orchard/Agro-forestry	1.00
5.	Others (specify) <b>Ponds and Forestry</b>	2.0
6.	High Tech Nursery (Work start)	1.0
	<b>Total</b>	<b>20.0</b>

### 1.7. Infrastructural Development:

#### A) Buildings

S. No.	Name building	Source of funding	Stage Complete			Incomplete			Required New	Needs renovation
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction		
1.	Administrative Building	ICAR	Jan 30, 2001	550.0 m <sup>2</sup>	13,19,250.0	---	---	Constructed		Yes
2.	Farmers Hostel	ICAR	2011-12	300.0 m <sup>2</sup>	13,31,000.0	2008-9	---	Constructed		Yes
3.	Staff Quarters (6)	ICAR	---	---	---	---	--	Nil	Yes	
4.	Demo. Units (2)	ICAR	---	---	---	---	---	Nil	Yes	
5.	Fencing	ICAR	---	---	-	---	---	completed		Yes
6.	RWH system	ICAR	---	---	---	---	---	Nil	Yes	
7.	Threshing floor	ICAR	---	---	---	---	---	Nil	Yes	Yes
8	Farm godown	ICAR	2011-12	---	3,07,000.0	2008-9	---	Constructed		Yes

#### B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on March, 2023	Present status
Moter Bike Two	1997-98	825000.00	---	Disposable condition	Not Working
Tractor-I	1995-96	2,50,000.00	---	Disposable condition	Not Working
Tractor-II (Mega Seed)	2009	---	---		Working
Staff Vehicle	2019	853136.00		63715.00	Working

#### C) Equipment's & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Alternator (2000 AC) E.B.E.	28.03.1998	28,696.00	Working
Modi Xerox 5615	30.12.1999	66,200.69	Not working
Overhead Projector	30.06.2000	20,000.00	Not working
Slide Projector	30.06.2000	40,005.00	Not working
Screen Projection	09.09.2001	32,000.00	Working

1. Television Colour (BPL)	31.03.1998	13,116.00	<b>Working</b>
2. BPL 63 cm colour television	09.09.2001	---	<b>Working</b>
LPG Connection with double cylinder	30.03.2002	3,297.00	<b>Working</b>

#### 1.8. A). Details of SAC meetings to be conducted in the year

Sl.No.	Date
1. Scientific Advisory Committee	No

## 2. DETAILS OF MICRO-FARMING SITUATIONS OF THE DISTRICT

### 2.1 Micro-farming situations

#### a) Characteristics

S.No.	Agro-Ecological situations (AES)	Existing Farming System (Crop+livestock+others)	Major soil types
1	AES 1 (Blocks Names) 1. Dhanipur 2. Jawan 3. Atrauli	Crop production, Horticulture and Animal Husbandry	Salt affected Soils, Low Fertility, Tube well and canal Irrigation
2	AES 2 (Blocks Names) 1. Lodha 2. Iglas 3. Gonda	Crop production, Horticulture and Animal Husbandry	Sandy Loam Soils, Poor in soil Fertility, Tube well and canal Irrigation
3	AES 3 (Blocks Names) 1. Bijauli 2. Gangiri 3. Akkrabad	Crop production, Horticulture and Animal Husbandry	Loam Soils, Poor in Fertility, Tube well Irrigation
4.0	AES 4 (Blocks Names) 1. Chandaus 2. Tappal 3. Khair	Crop production, Horticulture and Animal Husbandry	Loam Clay Soils, Brackish Underground water, Canal Irrigation

#### b) Land Characteristics

S.No	Agro-Ecological (AES)	Situation	Topography	Drainage
1.	AES 1 (Blocks Names) 1. Dhanipur 2. Jawan 3. Atrauli		The entire district falling in Upper- Ganga doab represents flat topography.	<b>Good Drainage</b>
2.	AES 2 (Blocks Names) 1. Lodha 2. Iglas 3. Gonda		The entire district falling in Upper- Ganga doab represents flat topography.	<b>Good Drainage</b>
3.	AES 3 (Blocks Names) 1. Bijauli 2. Gangiri 3. Akkrabad		The entire district falling in Upper- Ganga doab represents flat topography.	<b>Good Drainage</b>
4.	AES 4 (Blocks Names) 1. Chandaus 2. Tappal 3. Khair		The entire district falling in Upper- Ganga doab represents flat topography.	<b>Good Drainage</b>

### c) AES-wise major problems

S.No	Agro-Ecological Situation (AES)	Major problems	Rank
1.	AES-1 (Name)	Sandy loam, poor in soil fertility, canal & tube-well are the major irrigation source.	II
2.	AES-2 (Name)	Loam soils, low in fertility, poor drainage, tube well irrigation.	I
3.	AES-3 (Name)	Clay loam soils, brackish ground water and canal water.	III

### 2.2. Area, Production and Productivity of major crops cultivated in the district (2022)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)	Yield gap (q/ha) with respect to demo	Yield gap (q/ha) with respect to potential yield
1	<b>KHARIF</b>					
1.1	Paddy	85311	209609	24.57	21.5	28.5
1.2	Pearl millet	90309	227816	24.95	15.50	20.8
1.3	Maize	16307	43638	2676	22.8	35.50
1.4	Pigeon pea	8331	1, 33,800	10.97	27.50	37.50
1.5	Urdbean	714	1,740	6.62	35.7	45.5
1.5	Mungbean	176	12,060	10.97	33.8	40.8
2	<b>RABI</b>					
2.1	Wheat	218374	756666	34.65	17.5	25.5
2.2	Barley	10294	33251	32.3	22.8	30.50
2.3	Field pea	131	196	14.96	36.8	40.5.8
2.4	Lentil	1224	1726	14.96	41.5	45.50
2.5	Mustard	20497	40824	19.93	17.8	28.50
2.6	Potato	10,626	27, 68,410	283.8	22.5	30.5
2.7	Sugar cane	9,040	48, 63,160	509.04	17.5	35.5

Source: District agriculture department.

### 2.3. Weather data (2022-23)

Year	Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2022	January	87.9	20.3	7.9	82	73
	February	29.50	23.8	10.9	75	65
	March	00	30.2	15.6	51	46
	April	0.25	27	21.4	46	32
	May	47.50	39.5	25.6	35	30
	June	23.87	38.1	27.7	48	40
	July	275.7	33.4	26.6	73	60
	August	14.30	32.0	25.7	91	85
	September	160.50	32.0	24.0	75	45
	October	124.20	29.30	22.0	76	45
	November	0	32.8	09.4	72	40
	December	107.5	27.4	7.4	78	55
2023	January	13.2	21.5	10.4	78	48
	February	16.4	25.2	23.5	72	42
	March	5.2	32.3	18.4	57	35
	April	4.8	38.7	24.6	42	35
	May	9.6	41.5	28.2	48	36
	June	37.9	40.2	31.5	68	45
	July	98.7	35.6	29.6	83	56
	August	142.6	33.4	27.4	89	51
	September	63.4	33.5	26.3	85	62

<b>Total/Average</b>		<b>391.8</b>	<b>33.6</b>	<b>24.4</b>	<b>69.11</b>	<b>45.55</b>
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## 2.4 Production and productivity of livestock, Poultry, Fisheries etc. in the district (2022)

Category	Population	Production	Productivity	Productivity gap
<b>Cattle</b>				
<i>Cross Bred</i>	145200			
<i>Indigenous</i>	115800			
<b>Buffalo</b>	811700			
<b>Sheep</b>	96200			
<b>Goats</b>	146500			
<b>Cattle</b>				
<i>Crossbred</i>				
<i>Indigenous</i>				
<b>Pigs</b>	25400			
<b>Poultry</b>				
Hens	175500			
<i>Desi</i>	14500			
<b>Category</b>		<b>Production (q)</b>	<b>Productivity</b>	
Fish (Reservoir)	175			

\*Statically report

## 2.5 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Kheir	Kheir	Manpur	Paddy, pearl millet, cotton, Wheat, mustard	<ul style="list-style-type: none"> <li>Poor availability of quality seeds</li> <li>Improper seed rate</li> <li>Poor nursery management</li> <li>Imbalance use of fertilizer</li> <li>Poor weed management</li> <li>Inadequate pest and disease management</li> <li>Infestation of weeds</li> <li>Degradation in soil health</li> <li>Less use of organic manure</li> <li>Poor adoption of post-harvest technology</li> </ul>	<ol style="list-style-type: none"> <li>Need for promotion of latest HYVs according to South-Western Semi Arid Agro-climatic condition.</li> <li>Popularization of weed and pest management through IPM and IWM for enhancement of production and productivity.</li> <li>Promotion and Extension of Low cost technologies to double farmer's income</li> <li>To motivate farmers for the production of Quality cash crops, vegetables, flowers and fruits to double farmer's income.</li> <li>To develop farming system modules for small, medium and large farmers to double farmer's income.</li> <li>Low Productivity in Milch Animals, Poor existing Breeds and Animal Nutrition</li> </ol>
	Tappal	Keelpur-mathna	Paddy, pearl millet, maize, wheat, mustard, barley		
Koil	Jawan	Malikpura	Paddy, Sugarcane		
	Lodha	Jamalpur	Mustard, wheat		
Eglash	Eglash	Mukatghari, Mandla, Dhaurapalan	Pearl millet, paddy		
Atroli	Atroli	Bailoth	Mustard, wheat, potato		
Gabhana	Chandoush	Kalyan Nagar	Pearl millet, paddy, pigeon pea		
		Chauri Hauj	Mustard, wheat, Potato		
		Panihavar	Pearl millet, paddy, pigeon pea		
			Wheat, mustard,		

## 2.6 Top five major priority thrust areas:

Sl. No.	Thrust area
•	1. Need for promotion of latest HYVs according to South-Western Semi Arid Agro-climatic condition.
•	2. Popularization of weed and pest management through IPM and IWM for enhancement of production and

	productivity.Quality seed production
•	3. Pro Promotion and Extension of Low cost technologies to double farmer's income motion and Extension of Low cost technologies to double farmer's income
•	4. To motivate farmers for the production of Quality cash crops, vegetables, flowers and fruits to double farmer's income.
•	5. To develop farming system modules for small, medium and large farmers to double farmer's income.
•	6. Low Productivity in Milch Animals, Poor existing Breeds and Animal Nutrition

### 3. TECHNICAL PROGRAMME

#### 3 A. Details of targeted mandatory activities by KVK

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
105	2060	672	12170

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
07	35	120	325

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
200	41000	0	200

#### 3 B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title Training any	Title of training for ext. personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	INM	Pigeon pea, paddy, wheat, mustard, potato	Imbalance use of fertilizers	-Site specific nutrient management in wheat  -Better quality production in tomato through micronutrient.	Application of NPK on the basis of soil testing	Various trainings on INM	Trainings on INM	Gosthies Field days	seeds
2	Integrated disease and pest management	Pigeon pea, paddy, mustard, potato and vegetables	Poor management of diseases and pests	Management of bacterial leaf blight (BLB)  -Integrated management of root rot and wilt in tomato	Disease management in paddy and mustard	Trainings on Integrated disease and pest management	Integrated disease and pest management	Gosthies, Diagnostic visits, Field days	seeds



3	Quality seed production	wheat	Use of unidentified varieties	-	-	Trainings on seed production	-	-	
4	Seed replacement	Wheat, pigeon pea and vegetable	Use of old and unidentified varieties	Varietal evaluation of pigeon pea, okra, musk melon, chilli	Varietal demonstration on cauliflower, vegetable pea, tomato, brinjal and chilli	-	-	Gosthies, Field days	Supply of seedlings of vegetable crops
5	Integrated Crop Management	Mustards and vegetable	Poor cultivation practices	High density cultivation of cauliflower	ICM in mustard, wheat, musk melon, okra	Trainings on cultivation practices		Gosthies, exposure visits	
6	Integrated weed management	wheat	High weed infestation	Manual and chemical weed control in wheat	-	Weed management	-	Gosthies, field visit	-

### 3.1 Technologies to be assessed

A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	0				0					0
Seed / Plant production	0									
Weed Management	01									01
Integrated Crop Management	01									01
Integrated Nutrient Management	0	01			01					02
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management					1					01
Integrated Disease Management		01								01
Resource conservation technology	0									0
Small Scale income generating enterprises	0	0								
<b>TOTAL</b>	<b>02</b>	<b>02</b>			<b>02</b>					<b>06</b>
<b>Grand T</b>	<b>02</b>	<b>02</b>			<b>02</b>					<b>06</b>

## A.2. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Buffalos	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management	0				0					
Integrated Nutrient Management	0									
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Technology										
Integrated Pest Management	1									
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
<b>TOTAL</b>	<b>01</b>		<b>0</b>		<b>0</b>					<b>01</b>

## B. Details of On Farm Trial (at least 3-4 OFTs shall be composite in nature)

### Crop Production

#### OFT- I

- **Crop/Enterprise:** Wheat
- **Title of on-farm trial:** Water management in Wheat
- **Problem diagnosed:** 1. Use of old Wheat variety
- 2. Excess use of Water for irrigation
- **Farming situation:** Sandy loam soils, , Low soil fertility, Canal and tube well are major irrigation Source
- **Production system and thematic area:** Rice -wheat production system
- **Farmers' Practices:** Use of PBW-343 or PBW-550 variety of Wheat
- **Details of technologies selected for assessment/refinement:**
  - T1:** Farmers practice - Use of PBW-343 or PBW-550 variety of Wheat
  - T2:** T2: Variety K-1317
  - T3:** Variety K-1317 +Assured Irrigation (03), ii, CRI, ii, Tillering, iii. Milking Stage
- **Source of technology:** CSAUT, Kanpur
- **No. of farmers:** 05
- **Critical input:** Seed+ package of practice
- **Performance indicators**

- **Technical**
- Growth and yield attributing Characters, Yields

ii. **Economic**

- Gross income
- Net Income
- B/C ratio

**Social:** Farmers Reaction

**OFT- II**

1. **Crop/Enterprise:** Mustard
2. **Title of on-farm trial:** Integrated Nutrient management in mustard.
3. **Problem diagnosed:** Low production and low return due to no use of INM.
4. **Farming situation:** Irrigated
5. **Production system and thematic area:** Pearl millet –mustard production system
6. **Farmers' Practices:** (Use of 160:300:40NPK through Urea, DAP and MOP)
7. **Details of technologies selected for assessment/refinement:**  
T1: Farmers practice (Use only 120kg/ha DAP + Sulphur 0-12 kg /ha)  
T2: 100%(NPK) Soil Testing Basis +2 t FYM+40 Kg Sulphur+ (Azotobacteras Seed Treatment)
8. **Source of technology:** ICAR-DRMR, Bharatpur
9. **No. of farmers :** 05
10. **Critical input:** Seeds
11. **Performance indicators**

i. **Technical**

1. Growth and yield attributes
2. Seed and stalk yield (q/ha)

ii. **Economic**

1. Gross Income
2. Net Income
3. B/C ratio

iii. **Social**

Determine the farmer reaction at the time of intervention

**OFT- III**

1. **Crop/ Enterprises:** Spring Groundnut
2. **Title of on farm trial:** Weed management in spring groundnut
3. **Problem diagnosed:** Low production and low return due to no use of weedicides only use hand weeding.
4. **Farming Situation:** Irrigated
5. **Production System:** Potato- groundnut Production System
6. **Farmers Practice:** No use of herbicide only hand weeding
7. **Detail of technologies selected for assessment/refinement**  
T1: Farmers practice (No use of herbicide) only Hand weeding  
T2: Spray Imazethapyr @ 750 ml/ha at 25-30 days after sowing as post emergence spray
8. **Source of technology:** Tamil Nadu Agricultural University, Coimbatore
9. **No. of farmers:** 05
10. **Critical input:** Weedicides
11. **Performance Indicators**

**Technical**

Weed population and weed control efficiency

**Economic**

Yield, Net return

**Social**

Farmers reaction at the time of field day

## OFT- IV

Crop/Enterprise	-	Potato
Title of on farm trial	-	Assessment of suitable dose of fertilizers in Potato
Problem diagnosed	-	Low yield of potato due to imbalance and over dose of fertilizers
Farming situation	-	Irrigated
Production system and Thematic area		Maize based and NRM
Production System:		Pearl Millet- Potato- Production System
Farmers' Practices	-	Use of 160:300:40NPK through Urea, DAP and MOP
Details of technologies selected for assessment		T1: F P- NPK: 150:280:70. Full P and K at sowing and remaining N in two equal splits doses after I and II irrigation T2: Application of fertilizers on Soil test basis. ½ N and full P and K at sowing and remaining N remaining in two splits after I and II irrigation
Source of technology	-	ICAR-CPRI-RS, Modipuram
No. of farmers	-	05
Critical input	-	Fertilizers
Cost of input		Rs. 10000.00
Performance indicators		
(i) Technical		(i) Tuber yield (q/ha), (ii) Tuber size (cm) and No. of tubers and total weight / plant, (iii) Cracking and over size (%), (iv) %age of infection due to late blight
(ii) Economic		Cost benefit ratio
(iii) Social		Farmer perception

## PLANT PROTECTION

### OFT- V

- Crop/Enterprise:** Mustard
- Title of on-farm trial:** management of white rust and downy mildew in mustard
- Problem diagnosed:** Low production and low return due of white rust and downy mildew in mustard.
- Farming situation:** Salt affected Soils, Low Soil Fertility, Tube well and canal Irrigated
- Production system and thematic area:** Perl millet –mustard production system
- Farmers' Practices:** No use of Fungicides
- Details of technologies selected for assessment/refinement:**  
T1: Farmers practice (No use of Fungicides)  
T2: Seed Treatment with carbendazim@2.5gm/kg seeds and foliar spray of Metalaxyl 8 % + Mancozeb 64 % wp at disease initiation
- Source of technology:** ICAR-NCIPM New Delhi
- No. of farmers :** 05
- Critical input:** Seeds+ Fungicides
- 11. Performance indicators**
  - Technical**
    - Percent Disease incidence
    - Growth and yield attributes
  - Economic**
    - Seed stalk yield (q/ha)
  - Social**
    - Determine the farmer reaction at the time of intervention

### OFT- VI

Particulars	Contents
Title	Management of Stem Borer in Rice

<i>Problem diagnosed</i>	Heavy loss due to Stem borer in Rice
<i>Micro farming situation</i>	Sandy Loam Soils, Low Soil Fertility, Tube well and canal Irrigated
<i>Details of technology identified for solution</i>	T1: Farmers practice (Spraying of imidacloprid or cypermethrin after dead after appearance) T2:5 Pheromone traps/ha+ Spraying of Flubendiamide 20%SG @ 125g/ha. at the time 05 % dead heart seen
<i>No. of farmers</i>	05
<i>Critical inputs</i>	Seed, Insecticide + Pheromone Traps
<i>Production system</i>	Rice – Wheat production system
<i>Source of technology</i>	NCIPM, New Delhi
Performance indicators A) Technical	1. Percent Disease incidence 2. Growth and yield attributes
ii. Economic	Grain yield Net Income B/C ratio
<i>Reaction of the farmers</i>	Determine the farmer reaction at the time of intervention

## Animal Husbandry

### OFT-VII

#### OFT-7

1. Thematic area: Animal Nutrition Management
2. Title: Assessment of symbiotic on milk production in Buffaloes
3. Details of farming situation:

<b>Title</b>	<b>Assessment of symbiotic on milk production in Buffaloes</b>
<b>Problem diagnosed</b>	Low milk production in Buffalos due to poor digestibility
<b>Micro farming situation</b>	Buffalos are treated with antibiotics for longer times and kept under poor management condition caused poor digestibility and milk production
<b>Details of technology identified for solution</b>	T <sub>1</sub> - FP – No use of microbial feeds supplements and poor management T <sub>2</sub> - RP - T1 + Use of symbiotic @ 15 gm per day for 8 days.
<b>No. of farmers</b>	6
<b>Critical inputs</b>	symbiotic + Mineral mixture
<b>Production system</b>	Dairy farming
<b>Source of technology</b>	IVRI
<b>Total Cost</b>	8000
<b>Performance of Indicator</b>	Milk Yield

### 3.2 Frontline Demonstrations

#### Details of FLDs to be organized -

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demonstration.	Parameters identified (Yield related attributes, yield economics and farmers' perception)
1	Sesamum	ICM	Method of sowing	Seed+Sulphur	Kharif 2024	10	25	Yield & Net Profit
2	Mustard	ICM	HYV & Organic compost 5q/ha	Seed + sulphur + michorihza	Rabi 2024-25	40	100	Yield & Net Profit
3	Kharif moong	ICM	Improved variety, Line sowing, Use of sulphur	Seed, Sulphur & weedicide	Kharif 2024	10	25	Yield, net return C:B ratio
4	Lentil	ICM	Improved variety, Line sowing, Use of sulphur	Seed, Sulphur & weedicide	Rabi 2024-25	10	25	Yield, net return C:B ratio
5	Scented Paddy	ICM	HYV + Bio fertilizer	Seed + Bio Fertilizer, Pusa 1509	Kharif 2023	10	25	Yield & Net Return
6	Wheat (Timely sown)	ICM	HD 2967, K7903 + Bio fertilizer	Seed + Bio fertilizer	Rabi 2024-25	10	25	Yield, net return B:C ratio
7	Wheat	IWM	Weed management	Weedicide	Rabi 2024-25	10	25	Yield, net return B:C ratio
8	Wheat	ICM	Nutrient Management	NPK Consortia (Liquid)	Rabi 2024-25	10	25	Yield, net return B:C ratio
9	Vegetables	ICM	ICM/INM/IPM		Rabi/ Kharif/ Summer	10	50	Yield, net return B:C ratio
<b>Total</b>						<b>120</b>	<b>325</b>	

## Frontline Demonstrations On Animal Husbandry

Frontline Demonstrations S. N.	Thrust area	Crop/Enterprise	Identified Problem	Interventions				
				Title of FLD if any	Title of Training if any	Title of training for extension personnel	Ext. activities	Supply of seeds, planting materials etc.
1.	Grazing and use of unbalanced ration	Buffalo	Decrease in body weight and infertility due to worm burden	Reducing the worm burden and increasing body weight of buffalo by a internal parasitic control	Control of parasites	-	Training  Field day	dewormer
2.	Balance feed & supplement	Goat	Balance feeding with supplement	Balance feeding with supplement	Goat Rearing, Goat & Sheep Rearing	Goat Rearing	Field day Training	Concentrate & supplement
3.	Poultry production	Poultry	Poor Growth & health	Use of Feed & mineral mixture	Use of Feed & mineral mixture		Field day, Training	Feed & mineral mixture

## Sponsored Demonstration

Crop	Area (ha)	No. of farmers
wheat	16	40
	0	0
	0	0
Total	16	40

## B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	15	Feb, May, Sept,	450
2	Farmers Training	15	March, Jun, Oct.	450
3	Media coverage	30		
4	Training for extension functionaries	06	March, Jun, Oct.	120

## C. Details of FLD on Enterprises

### (i) Farm Implements

Name of the	Crop	Season and	No. of	Area (ha)	Critical inputs	Performance
-------------	------	------------	--------	-----------	-----------------	-------------

implement		year	farmers			parameters / indicators

## (ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Buffalo	Murrah	5	10	Dewormer	Milk Production, Health,
Goat	Barbari	5	10	Concentrate, Suppliment	Milk Production, Health
Poultry	Cari Shyama	5	50	Feed, Miniral Mixture	Production, Health

## 3.3 Training (Including the sponsored and FLD training programmes):

### A) ON Campus

Thematic Area	Name of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	Weed Management in kharif and rabi crops	15	0	15	05	0	05	20
Resource Conservation Technologies		0	0	0	0	0	0	0
Cropping Systems	Cropping Systems Of wheat and rice	0	0	0	0	0	0	0
Crop Diversification	Crop Diversification	0	0	0	0	0	0	0
Site specific nutrient management	Site specific nutrient management in Paddy and wheat	15	0	15	05	0	05	20
Integrated Farming	Integrated Farming	0	0	0	0	0	0	0
Water management	Water management in kharif crops	15	0	15	05	0	05	20
Seed production	Seed production of wheat	15	0	15	05	0	05	20
Nursery management	Nursery management in paddy	0	0	0	0	0	0	0
Integrated Crop Management	Integrated Crop Management	0	0	0	0	0	0	0
Fodder production	Round the year green fodders production techniques	0	0	0	0	0	0	0
Production of organic inputs	Production of wormy compost	15	0	15	05	0	05	20
Natural farming	Production of desi cow based manures and pesticides	15	0	15	05	0	05	20
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	Production and marketing of Marigold and Rose	15	0	15	05	0	05	20
Off-season vegetables	Off season cultivation of Cucurbits	0	0	0	0	0	0	0
Nursery raising	Nursery raising for summer and	0	0	0	0	0	0	0



	<b>rabi Vegetables</b>							
Exotic vegetables like Broccoli	Production of Broccoli	15	0	15	05	0	05	20
Export potential vegetables		0	0	0	0	0	0	0
Grading and standardization		0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	Net house Production of Tomatoes	15	0	15	05	0	05	20
Natural farming		0	0	0	0	0	0	0
<b>b) Fruits</b>								
Training and Pruning	Training and Pruning of aonla	15	0	15	05	0	05	20
Layout and Management of Orchards		0	0	0	0	0	0	0
Cultivation of Fruit	Cultivation of Fruit Guava and mango	15	0	15	05	0	05	20
Management of young plants/orchards	Management of young plants of Summer Vegetables	15	0	15	05	0	05	20
Rejuvenation of old orchards		0	0	0	0	0	0	0
Export potential fruits		0	0	0	0	0	0	0
Micro irrigation systems of orchards		0	0	0	0	0	0	0
Plant propagation techniques	propagation techniques in Gurhal and sahjan	15	0	15	05	0	05	20
<b>c) Ornamental Plants</b>		0	0	0	0	0	0	0
Nursery Management		0	0	0	0	0	0	0
Management of potted plants	Management of potted plants	15	0	15	05	0	05	20
Export potential of ornamental plants		0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	Propagation techniques of Rose Plants	15	0	15	05	0	05	20
<b>d) Plantation crops</b>		0	0	0	0	0	0	0
Production and Management technology		0	0	0	0	0	0	0
Processing and value addition		0	0	0	0	0	0	0
<b>e) Tuber crops</b>		0	0	0	0	0	0	0
Production and Management technology		0	0	0	0	0	0	0
Processing and value addition		0	0	0	0	0	0	0
<b>f) Spices</b>								
Production and Management technology	Production and Management technology Turmeric	15	0	15	05	0	05	20
Processing and value addition		0	0	0	0	0	0	0
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management		0	0	0	0	0	0	0
Production and management technology	Production and Management technology in essential oil crops	15	0	15	05	0	05	20
Post harvest technology and value addition	Production and Management technology of Turmeric, Ashwagandha and essential oil crops	15	0	15	05	0	05	20
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	Soil fertility management	15	0	15	05	0	05	20
Soil and Water Conservation	Soil and Water Conservation	15	0	15	05	0	05	20
Integrated Nutrient Management	Integrated Nutrient Management	15	0	15	05	0	05	20
Production and use of organic inputs	Production and use of organic inputs	15	0	15	05	0	05	20
Management of Problematic soils	Management of Problematic soils	15	0	15	05	0	05	20

Micro nutrient deficiency in crops	Micro nutrient deficiency in Rice and Wheat Crops	15	0	15	05	0	05	20
Nutrient Use Efficiency	Nutrient Use Efficiency	15	0	15	05	0	05	20
Soil and Water Testing								
<b>IV Livestock Production and Management</b>								
Dairy Management	Management and Ration for Milch Animals	15	0	15	05	0	05	20
Poultry Management	Production and Management of Kadaknath breed	15	0	15	05	0	05	20
Piggery Management	Piggery Management	15	0	15	05	0	05	20
Rabbit Management/goat	Rabbit Management/goat	15	0	15	05	0	05	20
Disease Management	Disease Management in Cattles	15	0	15	05	0	05	20
Feed management	Feed management for Cattles	15	0	15	05	0	05	20
Production of quality animal products	Production of quality animal products	15	0	15	05	0	05	20
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening		0	0	0	0	0	0	0
Design and development of low/minimum cost diet		0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet		0	0	0	0	0	0	0
Minimization of nutrient loss in processing		0	0	0	0	0	0	0
Gender mainstreaming through SHGs		0	0	0	0	0	0	0
Storage loss minimization techniques		0	0	0	0	0	0	0
Value addition		0	0	0	0	0	0	0
Income generation activities for empowerment of rural Women		0	0	0	0	0	0	0
Location specific drudgery reduction technologies		0	0	0	0	0	0	0
Rural Crafts		0	0	0	0	0	0	0
Women and child care								
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems		0	0	0	0	0	0	0
Use of Plastics in farming practices		0	0	0	0	0	0	0
Production of small tools and implements		0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements		0	0	0	0	0	0	0
Small scale processing and value addition		0	0	0	0	0	0	0
Post Harvest Technology		0	0	0	0	0	0	0
<b>VII Plant Protection</b>								
Integrated Pest Management	Integrated Pest Management In Mung bean, Tomatoes and Rice	15	0	15	05	0	05	20
Integrated Disease Management	Integrated Disease Management In Mung bean, Tomatoes and Rice	15	0	15	05	0	05	20
Bio-control of pests and diseases	Bio-control pod Borer in Tomato and Wilt management in Pigeon Pea Trough Bio- agents	15	0	15	05	0	05	20
Production of bio control agents and bio pesticides	Production NSKE and Trichoderma	15	0	15	05	0	05	20
<b>VIII Fisheries</b>								
Integrated fish farming		0	0	0	0	0	0	0
Carp breeding and hatchery management		0	0	0	0	0	0	0

Carp fry and fingerling rearing		0	0	0	0	0	0	0
Composite fish culture		0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn		0	0	0	0	0	0	0
Breeding and culture of ornamental fishes		0	0	0	0	0	0	0
Portable plastic carp hatchery		0	0	0	0	0	0	0
Pen culture of fish and prawn		0	0	0	0	0	0	0
Shrimp farming		0	0	0	0	0	0	0
Edible oyster farming		0	0	0	0	0	0	0
Pearl culture		0	0	0	0	0	0	0
Fish processing and value addition		0	0	0	0	0	0	0
<b>IX Production of Inputs at site</b>								
Seed Production	Seed Production of wheat	15	0	15	05	0	05	20
Planting material production	Propagation techniques in aonla and Mangoes	30	0	30	10	0	10	40
Bio-agents production	Production of jeevamrit	15	0	15	05	0	05	20
Bio-pesticides production	Production of Nemastra and Beejamrit	15	0	15	05	0	05	20
Bio-fertilizer production								
Vermi-compost production	Vermi-compost production	15	0	15	05	0	05	20
Organic manures production		0	0	0	0	0	0	0
Production of fry and fingerlings		0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets		0	0	0	0	0	0	0
Small tools and implements		0	0	0	0	0	0	0
Production of livestock feed and fodder		0	0	0	0	0	0	0
Production of Fish feed		0	0	0	0	0	0	0
<b>X Capacity Building and Group Dynamics</b>								
Leadership development								
Group dynamics								
Formation and Management of SHGs/FPOs etc	Enhancing Group Cohesiveness among members of FPOs	15	0	15	05	0	05	20
Mobilization of social capital	Utilization of information technology Sources of agricultural information	15	0	15	05	0	05	20
Entrepreneurial development of farmers/youths		0	0	0	0	0	0	0
WTO and IPR issues		0	0	0	0	0	0	0
<b>XI Agro-forestry</b>		0	0	0	0	0	0	0
Production technologies		0	0	0	0	0	0	0
Nursery management		0	0	0	0	0	0	0
Integrated Farming Systems		0	0	0	0	0	0	0
<b>XII Others (Pl. Specify)</b>		0	0	0	0	0	0	0
<b>TOTAL</b>		<b>660</b>	<b>0</b>	<b>660</b>	<b>220</b>	<b>0</b>	<b>220</b>	<b>880</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	Button Mushroom Production	15	-	15	05	-	05	20
Bee-keeping	Bee-keeping	15	-	15	05	-	05	20
Integrated farming								
Seed production	Cereal Pulses and Vegetables Seed production	0	0	0	0	0	0	0
Production of organic inputs		0	0	0	0	0	0	0
Integrated Farming (Medicinal)		0	0	0	0	0	0	0
Planting material production		0	0	0	0	0	0	0
Vermi-culture		0	0	0	0	0	0	0
Sericulture		0	0	0	0	0	0	0

Protected cultivation of vegetable crops		0	0	0	0	0	0	0
Commercial fruit production	Export quality Mango production	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements		0	0	0	0	0	0	0
Nursery Management of Horticulture crops	Nursery Management of Summer Vegetables							
Training and pruning of orchards		0	0	0	0	0	0	0
Value addition	Value addition in Potatoes	0	0	0	0	0	0	0
Production of quality animal products								
Dairying		0	0	0	0	0	0	0
Sheep and goat rearing	Sheep and goat rearing	15		15	05		05	20
Quail farming		0	0	0	0	0	0	0
Piggery		0	0	0	0	0	0	0
Rabbit farming		0	0	0	0	0	0	0
Poultry production	Poultry production and Management	15		15	05		05	20
Ornamental fisheries		0	0	0	0	0	0	0
Para vets		0	0	0	0	0	0	0
Para extension workers		0	0	0	0	0	0	0
Composite fish culture		0	0	0	0	0	0	0
Freshwater prawn culture		0	0	0	0	0	0	0
Shrimp farming		0	0	0	0	0	0	0
Pearl culture		0	0	0	0	0	0	0
Cold water fisheries		0	0	0	0	0	0	0
Fish harvest and processing technology		0	0	0	0	0	0	0
Fry and fingerling rearing		0	0	0	0	0	0	0
Small scale processing		0	0	0	0	0	0	0
Post Harvest Technology		0	0	0	0	0	0	0
Tailoring and Stitching		0	0	0	0	0	0	0
Rural Crafts		0	0	0	0	0	0	0
<b>TOTAL</b>		<b>60</b>	<b>0</b>	<b>60</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>80</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	Productivity enhancement in in Rice, Wheat and Mustard crops	45	0	45	15	0	15	60
Integrated Pest Management	Integrated Pest Management in tomato Potato and Rice	30	0	30	10	0	10	40
Integrated Nutrient management	Integrated Nutrient management in Rice and Wheat	30	0	30	10	0	10	40
Rejuvenation of old orchards	Rejuvenation of old Mango orchards	0	0	0	0	0	0	0
Protected cultivation technology	NET house Cultivation of Tomatoes	15	0	15	5	0	5	20
Formation and Management of SHGs	Formation and Management of SHGs	15	0	15	5	0	5	20
Group Dynamics and farmers organization	Group Dynamics and farmers organization	15	0	15	5	0	5	20
Information networking among farmers	Information networking among farmers	0	0	0	0	0	0	0
Capacity building for ICT application		0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements		0	0	0	0	0	0	0
WTO and IPR issues		0	0	0	0	0	0	0
Management in farm animals		0	0	0	0	0	0	0
Livestock feed and fodder production	Livestock feed and fodder production	15		15	5		5	20
Household food security		0	0	0	0	0	0	0

Women and Child care		0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing		0	0	0	0	0	0	0
Production and use of organic inputs	Production and use of Vermicompost	15		15	5		5	20
Gender mainstreaming through SHGs	Gender mainstreaming through SHGs	0	0	0	0	0	0	0
Any other (Pl. Specify)								
<b>TOTAL</b>		180	0	180	60	0	60	240
<b>G. Total</b>		900	0	900	300	0	300	1200

## B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	01	15	0	15	5	0	5	20
Resource Conservation Technologies	01	15	0	15	5	0	5	20
Cropping Systems	0	0	0	0	0	0	0	0
Crop Diversification	01	15	0	15	5	0	5	20
Integrated Farming	0	0	0	0	0	0	0	0
Water management	01	15	0	15	5	0	5	20
Seed production	01	15	0	15	5	0	5	20
Nursery management	01	15	0	15	5	0	5	20
Integrated Crop Management	01	15	0	15	5	0	5	20
Fodder production	01	15	0	15	5	0	5	20
Production of organic inputs	01	15	0	15	5	0	5	20
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	01	15	0	15	05	0	05	20
Off-season vegetables								
Nursery raising	1	15	0	15	05	0	05	20
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	1	15	0	15	05	0	05	20
b) Fruits								
Training and Pruning	1	15	0	15	05	0	05	20
Layout and Management of Orchards	1	15	0	15	05	0	05	20
Cultivation of Fruit	1	15	0	15	05	0	05	20
Management of young plants/orchards								
Rejuvenation of old orchards		0	0	0	0	0	0	0
Export potential fruits	1	15	0	15	05	0	05	20
Micro irrigation systems of orchards		0	0	0	0	0	0	0
Plant propagation techniques	1	15	0	15	05	0	05	20
c) Ornamental Plants		0	0	0	0	0	0	0
Nursery Management	1	15	0	15	05	0	05	20
Management of potted plants	0	0	0	0	0	0	0	0

Export potential of ornamental plants	1	15	0	15	05	0	05	20
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
<b>d) Plantation crops</b>		0	0	0	0	0	0	0
Production and Management technology		0	0	0	0	0	0	0
Processing and value addition		0	0	0	0	0	0	0
<b>e) Tuber crops</b>		0	0	0	0	0	0	0
Production and Management technology	1	15	0	15	05	0	05	20
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology	1	15	0	15	05	0	05	20
Processing and value addition	1	30	0	30	10	0	10	40
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	01	15		15	05	0	05	20
Soil and Water Conservation								
Integrated Nutrient Management	01	15		15	05	0	05	20
Production and use of organic inputs	0	0	0	0	0	0	0	0
Management of Problematic soils	01	15		15	05		05	20
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	01	15		15	05		05	20
Soil and Water Testing	01	15		15	05		05	20
<b>IV Livestock Production and Management</b>								
Dairy Management	01	15	0	15	05	0	05	20
Poultry Management	0	0	0	0	0	0	0	0
Piggery Management	01	15	0	15	05	0	05	20
Rabbit Management /goat	01	15	0	15	05	0	05	20
Disease Management	0	0	0	0	0	0	0	0
Feed management	01	15	0	15	05	0	05	20
Production of quality animal products	01	15	0	15	05	0	05	20
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	0	0	0	0	0	0	0	0
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
Women and child care	0	0	0	0	0	0	0	0

<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
<b>VII Plant Protection</b>								
Integrated Pest Management	01	15	0	15	5	0	5	20
Integrated Disease Management	01	15	0	15	05	0	05	20
Bio-control of pests and diseases	01	15	0	15	05	0	05	20
Production of bio control agents and bio pesticides	01	15	0	15	05	0	05	20
<b>VIII Fisheries</b>								
Integrated fish farming	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0
<b>IX Production of Inputs at site</b>								
Seed Production	0	0	0	0	0	0	0	0
Planting material production (Horti.)	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0
Vermi-compost production (Horti.)	0	0	0	0	0	0	0	0
Organic manures production (A.S.)	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0
Formation and Management of SHGs(HS)	02	30	-	30	10	-	10	40

Mobilization of social capital	03	45	-	45	15	-	15	60
Entrepreneurial development of farmers/youths (Agro.)	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
<b>XI Agro-forestry</b>								
Production technologies	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Farming Systems (Agro)	0	0	0	0	0	0	0	0
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>47</b>	<b>735</b>	<b>0</b>	<b>735</b>	<b>245</b>	<b>0</b>	<b>245</b>	<b>980</b>

**C) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	30	0	30	10	0	10	40
Resource Conservation Technologies	1	15	0	15	05	0	05	20
Cropping Systems	1	15	0	15	05	0	05	20
Crop Diversification	1	15	0	15	05	0	05	20
Site specific nutrient management	1	15	0	15	05	0	05	20
Integrated Farming	1	15	0	15	05	0	05	20
Water management	2	30	0	30	10	0	10	40
Seed production	2	30	0	30	10	0	10	40
Nursery management	1	15	0	15	05	0	05	20
Integrated Crop Management	1	15	0	15	05	0	05	20
Fodder production	1	15	0	15	05	0	05	20
Production of organic inputs	2	30	0	30	10	0	10	40
Natural farming	1	15	0	15	05	0	05	20
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	02	30		30	10		10	40
Off-season vegetables	0	0	0	0	0	0	0	0
Nursery raising	01	15		15	5		5	20
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	02	30		30	10		10	40
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	02	30		30	10		10	40
Cultivation of Fruit	01	15		15	5		5	20
Management of young plants/orchards	02	30		30	10		10	40
Rejuvenation of old orchards	01	15		15	5		5	20
Export potential fruits	01	15		15	5		5	20
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0
Plant propagation techniques	02	30		30	10		10	40



<b>c) Ornamental Plants</b>								
Nursery Management	01	15		15	5		5	20
Management of potted plants	01	15		15	5		5	20
Export potential of ornamental plants	01	15		15	5		5	20
Propagation techniques of Ornamental Plants	01	15		15	5		5	20
<b>d) Plantation crops</b>								
Production and Management technology	01	15		15	5		5	20
Processing and value addition	01	15		15	5		5	20
<b>e) Tuber crops</b>								
Production and Management technology	01	15		15	5		5	20
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology	02	30		30	10		10	40
Processing and value addition	01	15		15	5		5	20
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	01	15		15	5		5	20
Post-harvest technology and value addition	01	15		15	5		5	20
<b>(B) RURAL YOUTH</b>								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								

Rural Crafts								
<b>TOTAL</b>								
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
<b>TOTAL</b>								
<b>G. Total</b>								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	2	30	0	30	08	02	10	40
Soil and Water Conservation	1	15	0	15	05	0	05	20
Integrated Nutrient Management	1	15	0	15	05	0	05	20
Production and use of organic inputs	1	15	0	15	05	0	05	20
Management of Problematic soils	2	30	0	30	08	02	10	40
Micro nutrient deficiency in crops	1	15	0	15	05	0	05	20
Nutrient Use Efficiency	2	30	0	30	08	02	10	40
Soil and Water Testing	1	15	0	15	05	0	05	20
<b>IV Livestock Production and Management</b>								
Dairy Management	2	30	0	30	08	02	10	40
Poultry Management	1	15	0	15	05	0	05	20
Piggery Management	2	30	0	30	08	02	10	40
Rabbit Management/goat	2	30	0	30	08	02	10	40
Disease Management	1	15	0	15	05	0	05	20
Feed management	2	30	0	30	08	02	10	40
Production of quality animal products	2	30	0	30	08	02	10	40
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	0	0	0	0	0	0	0	0
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0
Income generation activities for empowerment	0	0	0	0	0	0	0	0

of rural Women								
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
Women and child care	0	0	0	0	0	0	0	0
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
<b>VII Plant Protection</b>								
Integrated Pest Management	2	30	0	30	08	02	10	40
Integrated Disease Management	2	30	0	30	08	02	10	40
Bio-control of pests and diseases	2	30	0	30	08	02	10	40
Production of bio control agents and bio pesticides	2	30	0	30	08	02	10	40
<b>VIII Fisheries</b>								
Integrated fish farming	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0
<b>IX Production of Inputs at site</b>								
Seed Production	1	15	0	15	05	0	05	20
Planting material production	2	30	0	30	10	0	10	40
Bio-agents production	1	15	0	15	05	0	05	20
Bio-pesticides production	1	15	0	15	05	0	05	20
Bio-fertilizer production								
Vermi-compost production	1	15	0	15	05	0	05	20
Organic manures production	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0
Formation and Management of SHGs	03	45	-	45	15	-	15	60
Mobilization of social capital /Information source and ICT	05	60	-	60	20	-	20	80
Entrepreneurial development of farmers/youths								

WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0
Sponsored training	0	0	0	0	0	0	0	0
<b>TOTAL</b>								
<b>(B) RURAL YOUTH</b>								
Mushroom Production	01	15	-	15	05	-	05	20
Bee-keeping	01	15	-	15	05	-	05	20
Integrated farming								
Seed production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops								
Training and pruning of orchards	0	0	0	0	0	0	0	0
Value addition	01	0	0	0	0	0	0	0
Production of quality animal products								
Dairying	0	0	0	0	0	0	0	0
Sheep and goat rearing	01	15		15	05		05	20
Quail farming	0	0	0	0	0	0	0	0
Production and Marketing of Desi cow based manures and insecticides, Vermicompost		0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0
Poultry production	01	15		15	05		05	20
Ornamental fisheries	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>4</b>	<b>60</b>	<b>0</b>	<b>60</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>80</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	03	45	0	45	15	0	15	60
Integrated Pest Management	02	30	0	30	10	0	10	40
Integrated Nutrient management	02	30	0	30	10	0	10	40
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Protected cultivation technology	01	15	0	15	5	0	5	20

Formation and Management of SHGs	01	15	0	15	5	0	5	20
Group Dynamics and farmers organization	01	15	0	15	5	0	5	20
Information networking among farmers	0	0	0	0	0	0	0	0
Capacity building for ICT application		0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0
Livestock feed and fodder production	01	15		15	5		5	20
Household food security	0	0	0	0	0	0	0	0
Women and Child care		0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0
Production and use of organic inputs	01	15		15	5		5	20
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Any other (Pl. Specify)								
<b>Total</b>	<b>12</b>	<b>180</b>	<b>0</b>	<b>180</b>	<b>60</b>	<b>0</b>	<b>60</b>	<b>240</b>
<b>G. TOTAL</b>	<b>105</b>	<b>1545</b>	<b>0</b>	<b>1545</b>	<b>491</b>	<b>24</b>	<b>515</b>	<b>2060</b>

Details of training programmes attached in **Annexure -I**

#### 3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	20	600	60	660	40	-	40	640	60	700
Kisan Mela	01	800	70	870	30	-	30	830	70	900
Kisan Ghosthi	10	1000	50	1050	30	-	30	1030	50	1080
Exhibition	01	800	70	870	30	-	30	830	70	900
Film Show	04	180	20	200	30	-	35	200	35	235
Farmers Seminar	05	150	-	150	-	-	-	150	-	150
Workshop	0	0	0	0	0	0	0	0	0	0
Group meetings	0	0	0	0	0	0	0	0	0	0
Lectures delivered as resource persons	05	75	-	75	05	-	05	80	-	80
Newspaper coverage	40	2000	-	200	400	-	400	2400	200	2600
Radio talks	3	0	0	0	0	0	0	0	0	0
TV talks	01	0	0	0	0	0	0	0	0	0
Popular articles	02	0	0	0	0	0	0	0	0	0
Extension Literature	04	0	0	0	0	0	0	0	0	0
<b>Advisory Services</b>										
Scientific visit to farmers field	60	480	-	480	-	-	-	480	-	480
Farmers visit to KVK	500	400	100	-	-	-	-	500	-	500
Diagnostic visits	02	30	-	30	-	-	-	30	-	30
Exposure visits	2	100	-	-	-	-	-	100	-	100
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0
Soil health Camp	02	200	-	-	10	-	-	210		210
Animal Health Camp	0	0	0	0	0	0	0	0	0	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	02	200	-	-	10	-	-	210		210
Farm Science Club										

Conveners meet										
Self Help Group	02	1200	-	1200	-	-	-	1200	-	1200
Conveners meetings										
Mahila Mandals										
Conveners meetings										
Celebration of important days (specify)	02	30	-	30	-	-	-	30	-	30
Krishi Mohostva	01	50	05	55	10	-	10	60	05	65
Krishi Rath	01	800	70	870	30	-	30	830	70	900
Pre Kharif workshop	01	800	70	870	30	-	30	830	70	900
Pre Rabi workshop	0	0	0	0	0	0	0	0	0	0
PPVFRA workshop	0	0	0	0	0	0	0	0	0	0
Any Other (Specify)	01	800	70	870	30	-	30	830	70	900
<b>Total</b>	<b>672</b>	<b>10695</b>	<b>585</b>	<b>8480</b>	<b>685</b>	<b>0</b>	<b>670</b>	<b>11470</b>	<b>700</b>	<b>12170</b>

### 3.5 Target for Production and supply of Technological products

#### A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
<b>CEREALS</b>	Wheat	Karan Vandana	100
	Rice	Pusa Sugandh 1592	100
<b>OILSEEDS</b>			
	Mustard	Surekha and Pitambari	10
<b>PULSES</b>			
	Mung	Virat	20
<b>VEGETABLES</b>			
<b>OTHERS (Specify)</b>			
<b>Total</b>			<b>230</b>

#### B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
<b>FRUITS</b>			
	Aonla	Narendra Aonla 1	500
	Guava	I-49	500
<b>SPICES</b>			
<b>VEGETABLES</b>			
	Tomato	Tomato Hybrid Variety BSS-488	20000
	Brinjal	Kashi Brinjal green round (IVBR-17)	20000

<b>FOREST SPECIES</b>			
<b>ORNAMENTAL CROPS</b>			
	Meri Gold		4000
		<b>Total</b>	<b>45000</b>

**C) BIO-PRODUCT**

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>			<b>0</b>	
1	0		0	
2	0		0	

**D) LIVESTOCK**

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle				
GOAT				
SHEEP				
POULTRY	Chicken	Kadaknath	500	500
Pig farming				
FISHERIES				

**3.6 Literature to be Developed/Published**

**(A) KVK News Letter**

Date of start : 10.04.24  
Number of copies to be published : 200

**(B) Literature developed/published**

S.No.	Topic	Number
1	Research paper each scientist	10
2	Technical reports	4
3	News letters	4
4	Training manual all discipline	3
5	Popular article	8
6	Extension literature	10
7.	Other (Flex Board, Standy)	10
	<b>Total</b>	<b>49</b>

**(C) Details of Electronic Media to be Produced**

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette, whatsapp group, mobile app, etc.	Title of the product	Number
1	WhatsApp Group	KVK Aligarh Farmers Group	1

**3.7. Success stories/Case studies identified for development as a case.**

- a. Brief introduction/Background
- b. Interventions/process
- c. Output
- d. Outcomes
- e. Impact

-

- i) Social economic
- ii) Bio-Physical
- f. Good Action Photographs

### 3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers

- a) Observation
- b) Focused Group Discussion
- c) Interview

#### Rural Youth

- a) Interview
- b) Group Discussion
- c)
- d)

#### In-service personnel

- a) Group discussion
- b) Interview
- c)

### 3.9 Indicate the methodology for identifying OFTs/FLDs

#### For OFT :

- i) PRA
- ii) Problem identified from Matrix based ranking & analysis
- iii) Field level observations
- iv) Farmer group discussions
- v) Others if any

#### For FLD :

- i) New variety/technology
- ii) Poor yield at farmer's level
- iii) Existing cropping system
- iv) Others if any

### 3.10 Field activities

- i. Name of villages identified/adopted with block name (from which year) -
- ii. No. of farm families selected per village :
- iii. No. of PRA conducted : 10
- iv. No. of technologies taken to the adopted villages
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

### 3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment : 200

#### 2. List of equipment's purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1.	L.G Fridge Double Door with stabilizer (Not Working)	01	19,000.00
2.	Jeldhal Digestion set( One Not Working)	02	40,795.00
3.	Digital Flame Photometer	01	21,900.00
4.	Spectrophotometer	01	1,14,400.00
5.	PH meter	01	19,700.00
6.	Physical Balance	01	19,000.00
7.	Electric Oven	01	13,990.00
8.	Mixer Grinder	05	22,650.00
9.	Conductivity meter	01	14,940.00
10.	Analytical Balance	01	65,950.00
11.	Shaker(One Not Working)	01	39,600.00



12.	Hot Plate	10	18,905.00
	<b>Total</b>	<b>31</b>	<b>4,12,844</b>

### 3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	200	50	10	4000
Water				
Plant				
<b>Total</b>	<b>200</b>	<b>50</b>	<b>10</b>	<b>4000</b>

## 4.0 LINKAGES

### 4.1 Functional linkage with different organizations/department

Sl.No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	Department of Agriculture	Training, Kisangosthies and procurement of seed	>5000 Farmers Benefited
2.	Department of Horticulture	Participation in meeting, farmers fair, procurement of seed	>2000 Farmers Benefited
3.	Department of animal husbandry	Participation in meeting, organizing animal health camp, availability of vaccines.	>2000 Farmers Benefited
4.	Regional rural banks	Joint implementation of programmes	>1000 Farmers Benefited
5.	Department of soil and water conservation	Training programme, advisory services.	>5000 Farmers Benefited
6.	IIPR	Procurement of seed and bio-fertilizer, advisory services.	>500 Farmers Benefited
7.	Department of fisheries	Participation in meeting and gosthi	>500 Farmers Benefited
8.	Department of forestry	Participation in meeting, Training. Procurement of plants.	>500 Farmers Benefited
9.	Women & child development department	Training, Participation in farmers fair & SAC,	>500 Farmers Benefited
10.	IFFCO	Joint programme, training, demonstration	>500 Farmers Benefited

### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage	Outcome of linkage
1	Training, Kisan gosthies	Recourse Person	>2000 Farmers Benefited

### 5. Utilization of Hostel facilities

S. No.	Programme	No. of days
1		NO, hostel is not furnished
	<b>Total</b>	

### 6. Partnership with departments for technology out scaling (proposed) :

प्रौद्योगिकीविस्तारकेलिएविभागोंकेसाथसाझेदारी

Annexure - I

### Training Programme

#### i) Farmers & Farm women (On Campus)

Date	Clientel e	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
	PF	Cropping Systems Of wheat	1	15	0	15	05	0	05	20
	PF	Crop Diversification	1	0	0	0	0	0	0	0
	PF	Site specific nutrient management in Paddy	1	15	0	15	05	0	05	20
	PF	Integrated Farming	1	30	0	30	10	0	10	40

<b>Horticulture</b>		Water management in paddy	1	15	0	15	05	0	05	20
	PF									
	PF									
	PF									
	PF									
<b>Livestock prod.</b>										
	PF/FW	Improved poultry farming	1	15	0	15	05	0	05	20
	PF	Preparation of milk product	1	15	0	15	05	0	05	20
	PF/FW	Artificial insemination	1	15	0	15	05	0	05	20
	PF/FW	Feed management in scarcity periods	1	15	0	15	05	0	05	20
<b>Agril. Engg.</b>										
	PF	Goat and sheep rearing								
	PF									
	PF									
<b>Home Sc.</b>										
	PF									
	PF									
	PF									
	PF									

<b>Plan prot.</b>										
	PF									
	PF									
	PF									
<b>Fisheries</b>										
	PF									
	PF									
	PF									
	PF									
<b>Soil Health</b>										
Agril. Extension										
March, 2024	PF	Utilization of information technology for information access and sharing	01	15	-	15	05	-	05	20
July, 2024	PF	Identification and utilization of sources of agricultural information	01	15	-	15	05	-	05	20
Sep., 2024	PF	Enhancing Group Cohesiveness among members of FPOs	02	15	-	15	05	-	05	20
June, 2024	PF	Utilization of information technology for information access and sharing	01	15	-	15	05	-	05	20

**i) Farmers & Farm women (Off Campus)**

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
	PF									
	PF									
	PF									
	PF									
	PF									

<b>Horticulture</b>											
	PF										
	PF										
	PF										
	PF										
	PF										
	PF										
	PF										
	PF										
<b>Live Stock Production.</b>											
	PF										
	PF										
	PF										
	PF										
	PF										
	PF										
	PF										
	PF										
	PF										
	PF										
	PF										
	PF										
<b>Agril. Engg.</b>											
	PF										
	PF										
	PF										
	PF										
	PF										
<b>Home Sc.</b>											
	PF										
	PF										
	PF										
	PF										
	PF										
	PF										
<b>Plant Protection</b>											
	PF										
	PF										
	PF										
	PF										
<b>Fisheries</b>											
	PF										
	PF										
<b>Soil health</b>											
<b>Agril. Extension</b>											
August, 2024	PF	Enhancing Group Cohesiveness among members of FPOs	01	15	-	15	05	-	05	20	
Sep., 2024	PF	Identification and utilization of sources of agricultural information	01	15	-	15	05	-	05	20	
	PF	Enhancing Group Cohesiveness	01	15	-	15	05	-	05	20	

October, 2024		among members of FPOs									
December, 2024	PF	Utilization of information technology for information access and sharing	01	15	-	15	05	-	05	20	

## ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
		Improved poultry farming for rural youth employment	Sep - 2024	21	10	0	0	2	0	0	12
		Sheep and goat rearing	Dec-2024	21	10	0	0	2	0	0	12

## iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										
	July-2024	Prevention measure against diseases	2	15	0	0	5	0	0	20

## iv) Sponsored programme

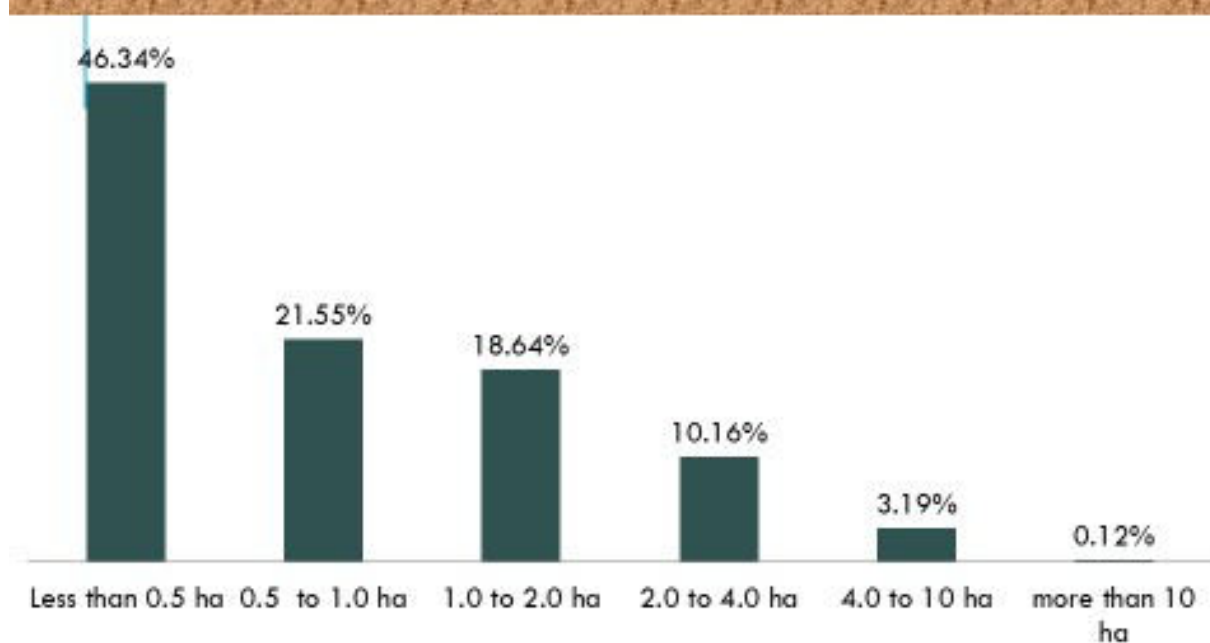
Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training programme											
			Total								
b) Sponsored research programme											
			Total								
c) Any special programmes											
			Total								

## About the District Aligarh

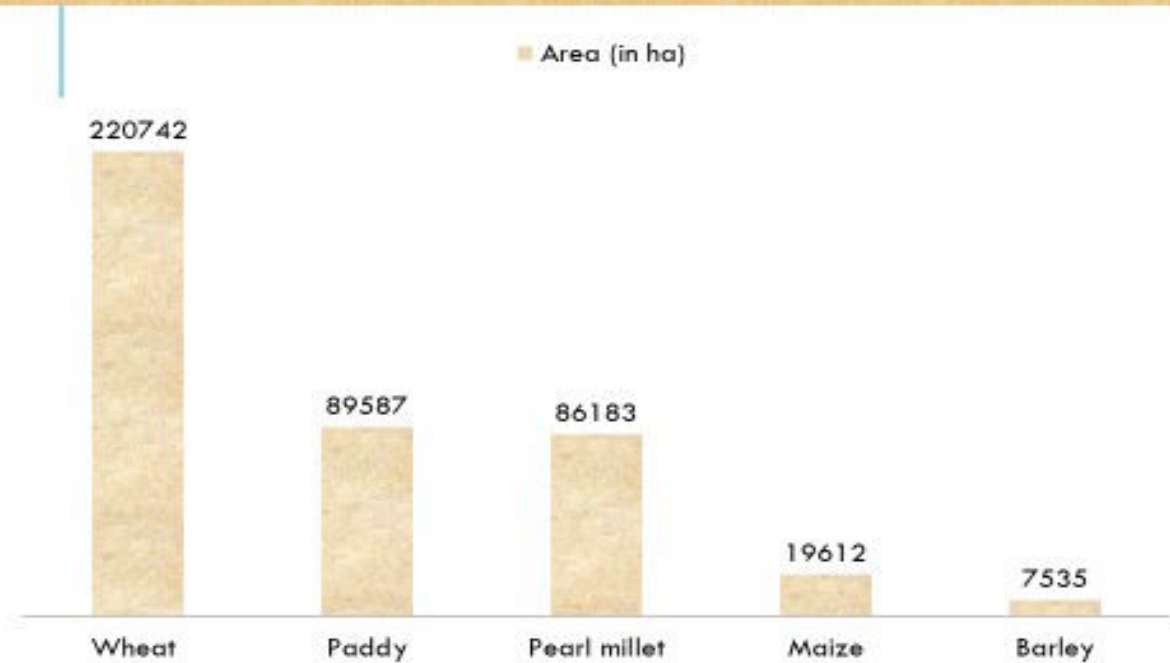
S. No.	Tehsil	Block	Distance of Block HQ from KVK	No. of Villages
1.	Khair	Khair	33	96
		Tappal	61	91
2.	Gabhana	Chandaus	40	94
		Jawan	06	110
3.	Kole	Lodha	13	142
		Dhanipur	13	98
		Akrabad	33	87
4.	Iglas	Iglas	41	103
		Gonda	31	83
5.	Atrauli	Atrauli	26	116
		Bijauli	39	91
		Gangeri	52	101



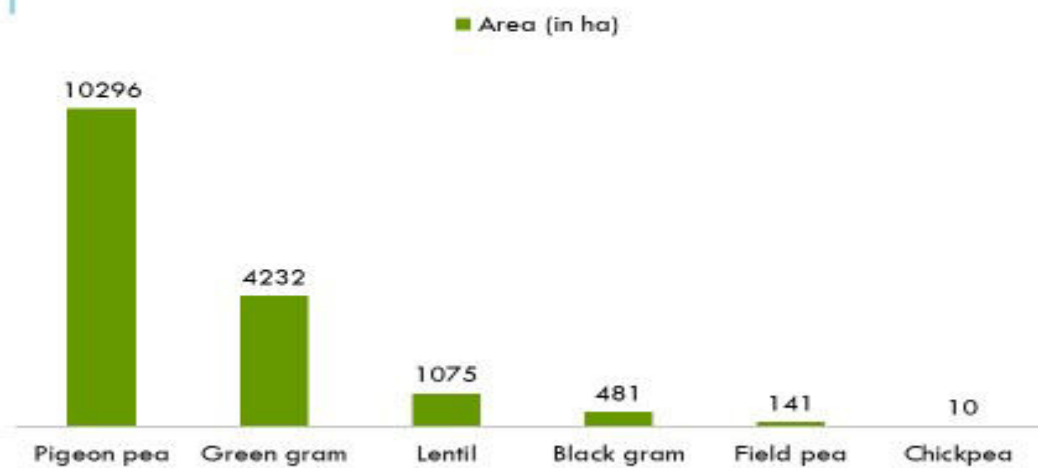
## OPERATIONAL LAND HOLDING



## AREA UNDER CEREAL CROPS



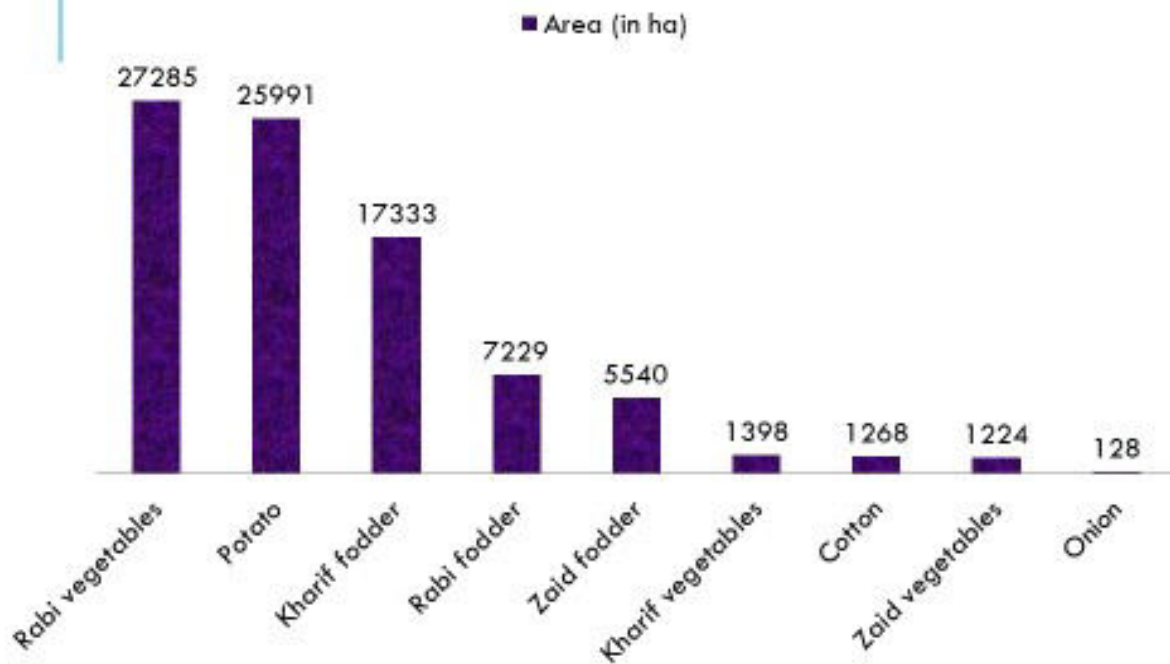
## AREA UNDER IMPORTANT PULSES



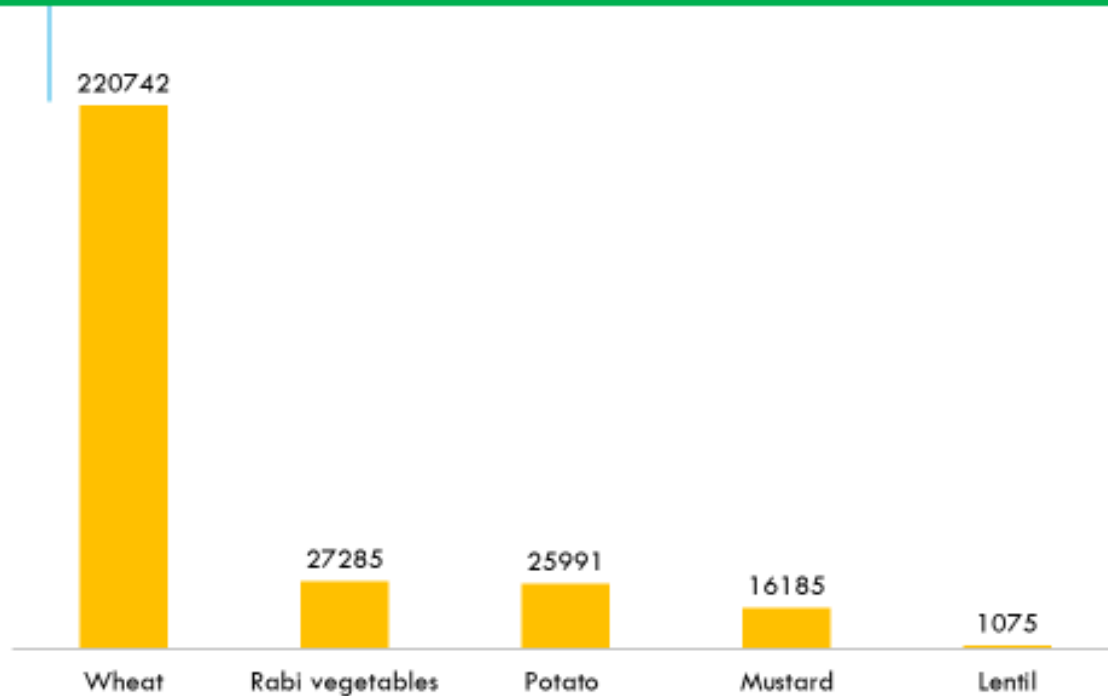
## AREA UNDER OILSEED CROPS



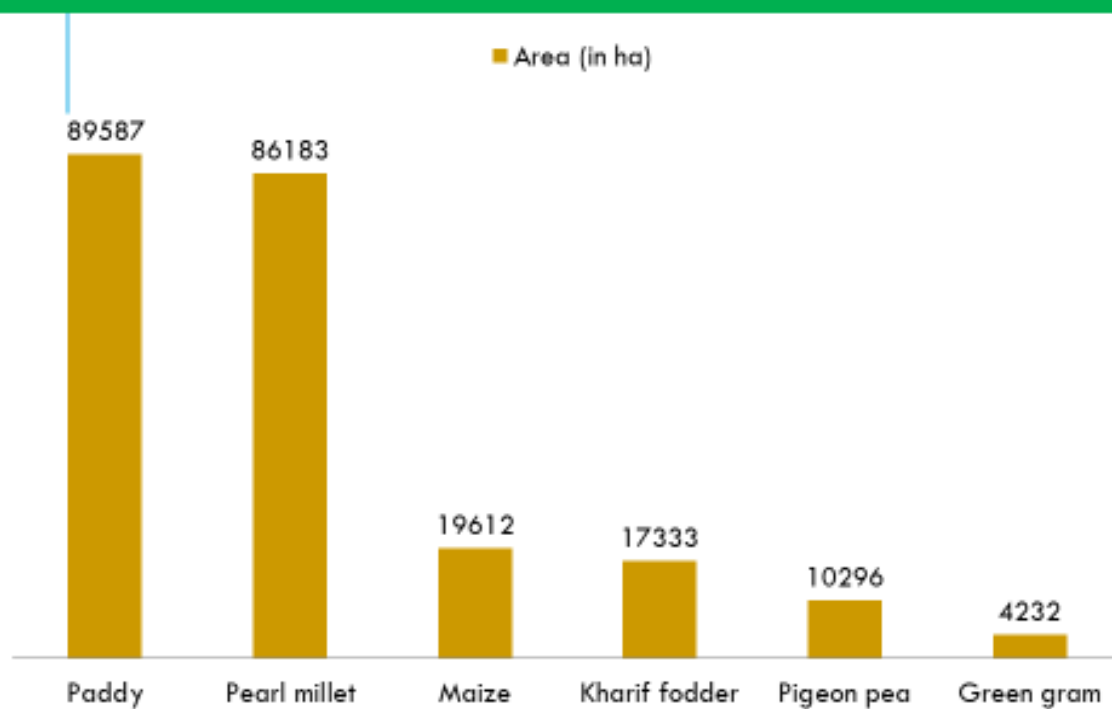
## AREA UNDER OTHER CROPS



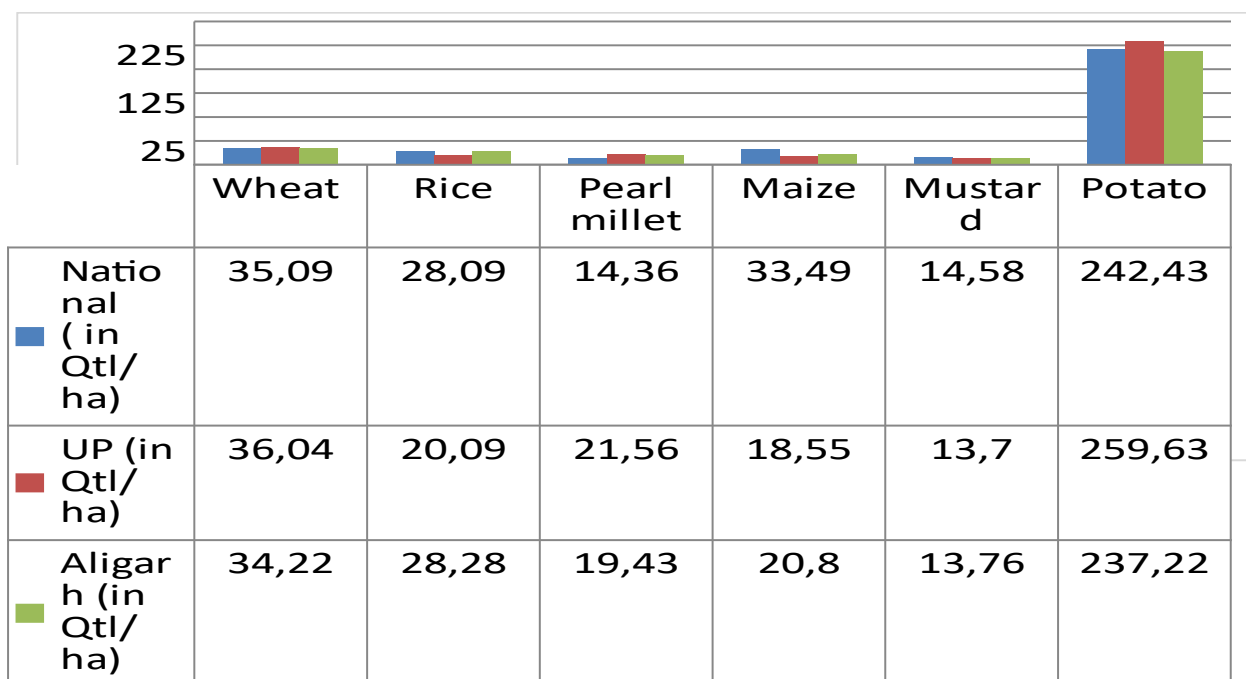
## AREA WISE RANK ORDER OF MAJOR *RABI* CROPS OF THE DISTRICT



## AREA WISE RANK ORDER OF MAJOR *KHARIF* CROPS OF THE DISTRICT







## Methodology used for preparing the Annual Action Plan

- Secondary data
- Previous studies conducted by the KVK
- Non Participant Observations
- In-depth interviews of key informants
- Personal Interviews
- Focused Group Discussion
- Tools of Participatory Rural Appraisal (PRA)



Situation Analysis of the selected villages for preparing the Annual Action Plan 2024			
Village : Jamalpur	Block: Jawan	District: Aligarh	State: U.P.
Geographical area : 453.62 ha	Total Population : 1930	Male: 1038	Female : 892
Number of households : 324			
Literacy rate : 60.98%	Male Literacy Rate: 73.60	Female Literacy Rate : 46.60	
Education: Up to middle school at village		High school : Amrauli ( 2 km)	
Intermediate : Kalua (4 km)		Graduation : Aligarh (15 Km)	
Nearest Agril. inputs shop : Amrauli ( 2 km) Govt. Seed store : Jawan (10 Km)			
Soil Health Status			
Nitrogen : Low 85%		Medium : 15 %	
Phosphorus : Low 100%			
Potassium : Low 70%		Medium 30%	
pH : Alkaline 100%	EC: Non-saline : 90%	Saline : 10%	
Organic Carbon : Sufficient 15 %	Deficient : 85%	Sulphur : Deficient 100%	
Iron: Deficient	Zinc : Sufficient : 10 %	Deficient : 90%	
Copper : Sufficient 100 %	Boron: Sufficient : 100%		
Manganese : Deficient 100 %			

Situation Analysis of the selected villages for preparing the Annual Action Plan 2024			
Village : Kalyan Nagar	Block: Bijauli	District: Aligarh	State: U.P.
Geographical area : 211 ha	Total Population : 1301	Male: 692	Female : 609
Number of households : 228			
Literacy rate : 52.73%	Male Literacy Rate: 63.58%	Female Literacy Rate : 52.73	
Education: Up to Primary school at village		Up to Graduation : Atrauli (6 km)	
Nearest Agril. inputs shop : Atrauli		Govt. Seed store : Chharra (13 Km)	
Soil Health Status			
Nitrogen : Low 85%		Medium: 15 %	
Phosphorus : Low 100%			
Potassium : Low 70%		Medium 30%	
pH : Alkaline 100%		EC: Non-saline : 90%	Saline : 10%
Organic Carbon : Sufficient 15 %		Deficient : 85%	Sulphur : Deficient 100%
Iron: Deficient 100%		Zinc : Sufficient : 10 %	Deficient : 90%
Copper : Sufficient 100 %		Boron: Sufficient : 100%	

## Situation Analysis of the selected villages for preparing the Annual Action Plan

2024

**Village :** Chaupr Hauj    **Block:** Atrauli    **District:** Aligarh    **State:** U.P.

**Geographical area :** 279.29 ha    **Total Population :** 1478    **Male:** 773    **Female :** 705

**Number of households :** 233

**Literacy rate :** 61.37 %    **Male Literacy Rate:** 73.22%    **Female Literacy Rate :** 48.37%

**Education:** Up to Primary school at village    **Up to Graduation :** Atrauli (6 Km)

**Nearest Agril. inputs shop :** Atrauli    **Govt. Seed store :** Atrauli

### Soil Health Status

**Nitrogen :** Low 85%    Medium : 15 %  
**Phosphorus :** Low 100%  
**Potassium :** Low 70%    Medium 30%  
**pH :** Alkaline 100%    **EC:** Non-saline : 90%    Saline : 10%  
**Organic Carbon :** Sufficient 15 %    Deficient : 85%    Sulphur : Deficient 100%  
**Iron:** Deficient 100%    **Zinc :** Sufficient : 10 %    Deficient : 90%  
**Copper :** Sufficient 100 %    **Boron:** Sufficient : 100%

## Major Crops of the selected villages

S. No.	Village	Season	Major Crops
1.	Jamalpur	Rabi	Wheat, Potato, Mustard
		Zaid	Maize, Perl millet, Green gram,
		Kharif	Rice, Sorghum, Maize, Perl millet, Pigeon pea
2.	Kalyan Nagar	Rabi	Wheat, Potato, mustard, Marigold, Carrot, Vegetable pea
		Zaid	Pearl Millet
		Kharif	Rice, Pearl millet, Groundnut
		Orchard	Mango. Guava, ber
3.	Chaupur Hauj	Rabi	Wheat, Mustard, Potato
		Zaid	Maize, Groundnut
		Kharif	Rice, Pearl millet, Groundnut, Sorghum

### Areas of Technology Interventions Identified

S. No.	Crop/Enterprise	Farmers Practice/ Gap identified / Possible Cause of low productivity	Suggested Interventions
1.	Potato	No Seed treatment Perception of farmers that seed treatment damages the sprouts of the potato seed due to which germination will delayed	OFT
		Imbalance use of fertilizers NPK: 100:280:70	Trainings and FLDs on INM in Potato
		Infestation of Late blight and <b>root rot disease (jad galan) ???</b> Totally dependent on local agri inputs dealers	Trainings and FLDs on IDM in Potato
2.	Mustard	Stag head disease Perception that it occurs due to frost <b>???</b> thus nothing can be done.	Trainings and FLDs on IPM in Mustard
		Imbalance use of fertilizers NPKS:: 75:55:0: 10-12	Trainings and CFLDs on INM in Mustard

### Areas of Technology Interventions Identified

S. No.	Crop/Enterprise	Farmers Practice/ Gap identified/ Possible Cause of low productivity	Suggested Interventions
3.	Rice	Almost no use of fertilizers in nursery	Trainings on Nursery Management in Rice
		Imbalance use of fertilizers in main crop NPK:: 193:55:0	Trainings and FLDs on INM in rice
		Severe infestation of Bakanae disease, sheath blight disease, leaf folder and stem borer insect Totally dependent on local agri inputs dealers	OFT, FLDs and trainings on IPM and IDM in rice
4.	Maize and pearl millet	Imbalance use of fertilizers	Trainings on INM in maize
		Infestation of Fall army worm stem borer in maize Totally dependent on local agri inputs dealers	Trainings and FLDs on IPM in maize

## Areas of Technology Interventions Identified

S. No.	Crop/Enterprise	Farmers Practice/ Identified gap/ Possible Cause of low productivity	Suggested Interventions
5.	Groundnut	Use of unidentified, locally available seed	CFLDs on ICM in groundnut with suitable variety
6.	Pulse crops Green gram, pigeon pea and lentil	damage to the crop by <b>wild animal, non availability of suitable variety</b> <b>No weed management</b>	Trainings and FLDs on ICM in pulse crops
7.	All crops	Poor soil health	Trainings and other Extension activities on Soil Health Management
8.	Animal Husbandry	Poor Nutrition and Management Practices	OFT, Trainings, FLDs on Nutrition and Management Practices

==XX==

# ACTION PLAN OF KVK MAINPURI

(1<sup>st</sup> January 2024 to 31<sup>st</sup> December 2024)

## 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
Krishi Vigyan Kendra , Dewani Road , Mainpuri Pin -205001	Office	FAX	<a href="mailto:mainpurikvk@yahoo.com">mainpurikvk@yahoo.com</a> , <a href="mailto:mainpurikvk2018@gmail.com">mainpurikvk2018@gmail.com</a>	<a href="https://mainpuri.kvk4.in">https://mainpuri.kvk4.in</a>

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

Address	Telephone		E mail	Website
	Office	FAX		
C.S. Azad University of Agriculture & Technology, Kanpur –208002	0512- 2534155		<a href="mailto:info@csauk.ac.in">info@csauk.ac.in</a>	

1.2.b. Status of KVK website : Yes

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) :

1.2.d Status of ICT lab at your KVK : No







### 1.3. Name of the Senior Scientist & Head with phone & mobile no.






Name	Telephone / Contact		
Dr. Sushil kumar		9758991541	<a href="mailto:mainpurikvk2018@gmail.com">mainpurikvk2018@gmail.com</a> , <a href="mailto:mainpurikvk@yahoo.com">mainpurikvk@yahoo.com</a>

1.4. Year of sanction: 2004



### 1.5. Staff Position

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Sr.Scientist/Head	Dr. Sushil Kumar	Sr. Scientist	Extension	(131400-217100, L-13A)	9000	171400	09/09/2008	Permanent	SC	9758991541	suanshul@gmail.com	
2	Subject Matter Specialist	Dr. R.N. Singh	Scientist	Soil Science	(79800-211500, L-12)	8000	113700	29/11/2004	Permanent	GEN.	9415724104	Singh.nagina72@gmail.com	
3	Subject Matter Specialist	Dr. Devendra Swaroop	Scientist	Animal Science	(79800-211500, L-11)	7000	120700	05/12/2001	Permanent	GEN.	9415157380	dswaroopcsa@gmail.com	
4	Subject Matter Specialist	Dr. V.R. Choudhary	Scientist	Horticulture	(79800-211500, L-10)	6000	101100	06/01/2001	Permanent	SC	9415153408	vikasranjan06@gmail.com	
5	Subject Matter Specialist	Dr. Binod Kumar	Scientist	Agronomy	(79800-211500, L-12)	8000	113700	29/11/2004	Permanent -	SC	87651 92210	kvkbinodkr@gmail.com	
6	Subject Matter Specialist	Vacant	Scientist		Vacant								
7	Subject Matter Specialist	Dr. Akansha Chaudhary	Scientist	Home science	(79800-211500, L-11)	8000	101100	11/04/2008	Permanent	SC	918765468886	tocakansha@gmail.com	
8	Programme Assistant	Vacant	Prog. Asstt. Soil testing	-	Rs.9300-34800	-	-	-	--	-	-	-	-
9	Computer Programmer	Vacant	Prog. Asstt. Computer	-	Rs.9300-34800 Rs.	-	-	-	--	-	-	-	-

10	Farm Manager	Vacant	Farm Manager	-	Rs.9300-34800	-	-	-	--	-	-	-	-
11	Accountant /Superintendent	Vacant	Accountant /Superintendent	-	Rs.29200-92300	-	-	-	--	-	-	-	-
12	Stenographer Grad-III	Shri Yogendra Pratap Singh	Stenographer	-	(35400-112400, L-6)	2800	42800	6.12.2007	- Permanent	SC	9795472246		
13	Driver	Shri Yogendraveer Singh	Jeep Driver	-	(35400-112400, L-5)	2400	31400	15/09/2009	Permanent	GEN.	97930 50558		
14	Driver	Shri Shilendra Kumar Yadav	Tractor Driver	-	(35400-112400, L-5)	2400	33300	30/04/2008	Permanent --	OBC	94125 48389	-	
15	Supporting Staff	Shri Ashok Kumar	Attendant .	-	(19900--63200 L-2)	1800	30200	02/08/2008	Permanent	SC	92195 72835		
16	Supporting Staff	Shri Raju	Attendant ..	-	(19900--63200 L-1)	1800	26800	19/05/2011	Permanent	GEN	6389533485		



**1.6. Total land with KVK (in ha) :**

S. No.	Item	Area (ha)
1	Under Buildings	2.8
2.	Under Demonstration Units	0.6
3.	Under Crops	6.0
4.	Horticulture	0.6
5.	Pond	-
6.	Others if any	-
		10.00

**1.7. Infrastructural Development:**
**A) Buildings**

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building			550		2010		Incomplete
2.	Farmers Hostel			300				Completed
3.	Staff Quarters (6)			400		2010		Incomplete
4.	Demonstration Units (2)			80		2010		Incomplete
5	Fencing							Incomplete
6	Rain Water harvesting system							Incomplete
7	Threshing floor							Incomplete
8	Farm godown							Incomplete
	Other							
9								
10					6777000.00			

**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep	2003		Condemned	
Tractor	2002	264643	-	Auction able
Motor Cycle	2010	49997	35644	Running
Motor Cycle	2012	59988	18252	Running

**C) Equipments & AV aids**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Television	2003	15300.00	Non working
VCD Player	2003	4900.00	Non working
Digital Camera	2011	19990.00	Non working
LCD Projector	2012	69347.00	Working
Laptop	2012	49900.00	Non working
Photocopy machine	2012	49235.00	Non working

**1.8. A). Details of SAC meetings to be conducted in the year**

S. No.	Date
1. Scientific Advisory Committee	

**2. DETAILS OF DISTRICT**
**2.1 Major farming systems/enterprises (based on the analysis made by the KVK)**

S. No	Farming system/enterprise
1	Agriculture + Animal Husbandry (100%)
2	Agriculture + Animal Husbandry (90%), Agriculture + Animal Husbandry + Horticulture (10%)
3	Agriculture + Animal Husbandry (75%), Agriculture + Animal Husbandry + Horticulture (25%)

## 2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

### a) Soil type

Sl. No.	Agro-climatic Zone	Characteristics
1	South-West Semi-arid Zone IV	Semi-arid, with maximum temperature 45.6°C and minimum 7.4°C, Rainfall 620-750 mm, Alluvial soil originated from Ganges and its tributaries. Textural classes varies from Sandy-loam to Silty –clay-loam
2	AES-I	Loam and Sandy loam Soil with ph less than 7.5
3	AES-II	Sandy Loam and Saline Soil with pH more than 8.0, Irrigated through Bore wells
4	AES-III	Sandy-loam soil with pH 7.5-8.5, with very low water table

## 2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Sandy	-	85341.00 (31%)
2	Sandy loam	-	156083.00 (57%)
3	Others	-	31659.00 (12%)

## 2.4. Area, Production and Productivity of major crops cultivated in the district (2022-23)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	<b>Paddy</b>	89318	233920	25.07
2	<b>Bazra</b>	14879	28558	19.23
3	<b>Maize</b>	12530	1222771	23.75
4	<b>Goundnut</b>	34800	1510	7.35
5	<b>Wheat</b>	143712	481663	33.52
6	<b>Barley</b>	2415	7372	30.52
7	<b>Gram</b>	954	12470	9.99
8	<b>Field pea</b>	1313	38620	12.03
9	<b>Mustard/ Toria</b>	9683	107240	16.47
10	<b>Potato</b>	16402	3221844	196.43
11	<b>Summer Groundnut</b>	36000	941400	26.15
12	<b>Moong</b>	2899	2499	8.62
13	<b>Urd</b>	1300	1166	8.97
14	<b>Onion</b>	350	8750	225.00

Source: District agriculture department.

## 2.5. Weather data (2023)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January 2023	25.00	9.00	23.5	100	18.00
February 2023	0.00	8.4	31.8	34	100
March 2023	16.5	12.7	35.7	21	100
April 2023	1.50	15.4	42.1	7	100
May 2023	36.00	18.9	42.7	10.0	100
June 2023	158.00	23.1	41.4	18.0	100
July 2023	270.00	25.1	38.2	54.0	100
August 2023	248.00	24.8	36.5	41.0	100
September 2023	91.00	25.8	36.7	31.0	100

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

Category	Population	Production	Productivity
Cattle	76312		
	5066		
Buffalo	2,82,430		
Sheep	4077		

<b>Goats</b>	196866		
<b>Pigs</b>	19496		
<i>Crossbred</i>			
<i>Indigenous</i>			
<b>Rabbits</b>			
<b>Poultry</b>			
Hens	63426		
<i>Desi</i>			
<b>Category</b>		Production (Q.)	Productivity
Fish (Reservoir)			

\*Statcal report

## 2.7 Details of Operational area / Villages

Sl. No.	Name of the block	Name of the Village	Major crops & enterprises	Major problem identified	Identified Thrust area
1	Sultanganj	Mirzapur, Bhashuar Bhadura, Pal, Ahirava Shahra Chhachha	Mustard Paddy, Bajara,  Pulses  Wheat, Mustard, Summer G. Nut, Vegetable	<ul style="list-style-type: none"> <li>Use of local varieties and impure seed materials</li> <li>No seed treatments</li> <li>Broadcast sowing</li> <li>Imbalance fertilizer use</li> </ul>	<p>Introduction of high yielding varieties of cereals, pulses and vegetables</p> <p>seed treatment , Line sowing</p> <p>Judicious and balanced fertilizer application weed management in garlic and groundnut</p> <p>Raising of high yielding cross breed animals</p> <p>Promoting awareness for use of bio fertilizer and bio pesticides.</p> <p>IPM, IDM for pest &amp; diseases management Awareness about floriculture crop and orchard management.</p>
	Bewar	Barepur Barahar, Nagla Takan Bankiya Amarpur	Vegetable Garlic, vegetables, Potato Keeping of Buffaloes and Goats, Wheat, Mustard Paddy, Marigold and chrysanthemum, orchard	<ul style="list-style-type: none"> <li>No use of biofertilizer and biopesticides</li> <li>Local and indigenous breeds.</li> <li>Imbalance feeding to Malnutrition and anemia is noted in more than 45% form women and childrens.</li> </ul>	<p>seed treatment</p> <p>Line sowing</p> <p>Judicious and balanced fertilizer application weed management in garlic and groundnut</p> <p>Raising of high yielding cross breed animals</p> <p>Promoting awareness for use of bio fertilizer and bio pesticides.</p> <p>IPM, IDM for pest &amp; diseases management</p>
	Jagir	Ajitganj Udaipur Rajpura Nagla Kail	Paddy Bajara Mustard Wheat Pea	Under weight infants	<p>Nutritional gardening</p> <p>Awareness about health to women</p>
	Kuraoli	Lukha pura Sujarai Lakhaura		Poor decisiveness in farm and family activites of women Fatigue is common problem in farm women	<p>Promotion of drudgery reduction tools and techniques</p> <p>Diet improvement through incorporation of green leafy vegetables and locally available grains</p> <p>Women empowerment through food processing, knitting weaving and value addition of agricultural produce</p> <p>Establishment of nutrition gardens</p> <p>Promotion of groundnut and high protein based diet</p>

## SALIENT FEATURES OF P.R.A. DONE BY KVK MAINPURI

### A- MAJOR AGRICULTURAL SCENARIO OF P.R.A. VILLAGES OF MAINPURI DISTRICT

S No	Particulars	P.R.A. villages				
		Hariharpur	Lukharpura	Nagla Kail	Badahar	Aoncccha
1	Area in kharif season (ha)	28.45	30.15	26.89	31.00	26.53
2	Area in rabi season (ha)	28.45	30.00	28.00	42.00	35.24
3	Area in zaid season (ha)	27.50	25.67	17.68	28.45	21.53
4	Irrigated (ha)	28.45	30.15	28.00	38.22	32.24
5	Rainfed (ha)	0.00	0.00	0.00	4.00	3.00
6	Av land holding/house hold (ha)	0.20	0.16	0.15	0.23	0.28
7	Large holding farmer (> 2.0 ha) %	0.00	0.00	4.86	4.0%	5.56%
8	Medium holding farmers (1.0 -2.0 ha) %	12.00%	9.02%	8.14	7.2%	9.13%
9	Marginal farmers <1.0 ha)%	88.00%	91.0%	87.00	88.8%	86.00%
10	Landless population	28.00%	25.37%	20.31	23%	21.57
11	Literacy % in Male farmers	81%	76.48	81.24	80.5%	85%
12	Literacy % in Female farmers	65-72	63-71	60-70	60-71	71-78
13	Major soil type	Sandy loam	Clay loam	Sandy loam	Sandy loam	Sandy loam

### B-Work force distribution pattern of PRA villages of Mainpuri district during **kharif season** crops

Particulars	Months											
	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Ploughing	-	-	-	-	-	√	√	-	-	-	-	-
Sowing	-	-	-	-	-	√	√	-	-	-	-	-
Weeding etc	-	-	-	-	-	-	√	√	-	-	-	-
Harvesting	-	-	-	-	-	-	-	-	-	√	-	-
Storage	-	-	-	-	-	-	-	-	-	-	√	-
Procurement	-	-	-	-	-	-	-	-	-	-	√	-
Cattle rearing	-	-	-	-	-	-	√	√	-	-	-	-
Goat & Sheep rearing	-	-	-	-	-	-	√	√	-	-	-	-

### C-Work force distribution pattern of PRA villages of Mainpuri district during **Rabi season** crops

Particulars	Months											
	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Ploughing	-	-	-	-	-	-	-	-	-	-	√	-
Sowing	-	-	-	-	-	-	-	-	-	-	√	√
Weeding etc	-	-	-	-	-	-	-	-	-	-	-	√
Harvesting	-	-	-	√	-	-	-	-	-	-	-	-
Storage	-	-	-	√	√	-	-	-	-	-	-	-
Procurement	-	-	-	-	√	√	-	-	-	-	-	-
Cattle rearing	-	-	-	-	√	√	-	-	-	-	-	-

Goat & Sheep rearing	-	-	-	-	√	√	-	-	-	-	-	-
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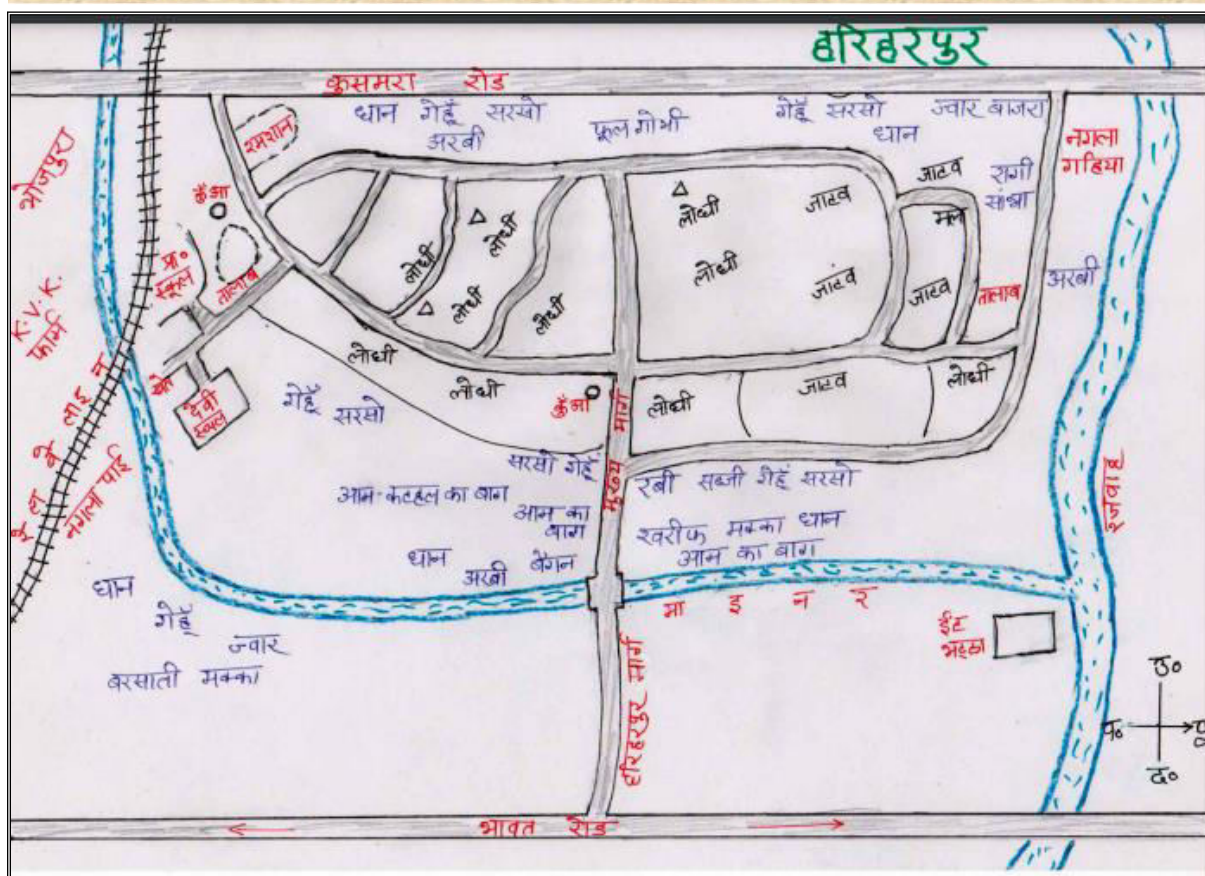
#### D-Work force distribution pattern of PRA villages of Mainpuri district during Zaid season crops

Particulars	Months											
	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Ploughing	-	√	-	-	-	-	-	-	-	-	-	-
Sowing	-	√	-	-	-	-	-	-	-	-	-	-
Weeding etc	-	-	√	-	-	-	-	-	-	-	-	-
Harvesting	-	-	-	-	√	-	-	-	-	-	-	-
Storage	-	-	-	-	√	√	-	-	-	-	-	-
Procurement	-	-	-	-	√	√	-	-	-	-	-	-
Cattle rearing	-	√	√	-	-	-	-	-	-	-	-	-
Goat & Sheep rearing	-	√	√	-	-	-	-	-	-	-	-	-

#### E-Employment distribution pattern of Mainpuri district based on P.R.A.

Particulars	Months											
	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Agriculture	-	√	-	√	√	√	-	-	-	√	√	-
Livestock	-	-	√	√	-	-	-	-	√	√	-	-
Labour	-	-	-	√	√	√	√	-	-	-	√	-

#### SOCIAL AND CROP MAPPING OF VILLAGE HARIHARPUR UNDER P.R.A.





### SOCIAL AND CROP MAPPING OF VILLAGE NAGLA KAIL UNDER P.R.A.



# SOCIAL AND CROP MAPPING OF VILLAGE AUNCHHA UNDER P.R.A.



## DIAGRAMATIC PRESENTATION OF PROBLEM, CAUSE AND SOLUTION

### PROBLEM

### CAUSE

### SOLUTION

1. Poor nutrient and water scheduling
2. Yield loss through weeds
3. Over use of pesticides for control of disease, weed and pest of crops
4. No seed production at farmer field level
5. Poor selection of crop and variety under changing climate condition

1. Due to Ignorance of nutrient and water scheduling
2. Due to lack of knowledge about weed management technologies
3. Due to reluctant habits and lack of technical skill about seed production technologies of crops
4. Heavy dependence on input dealers for disease and pest management of crops

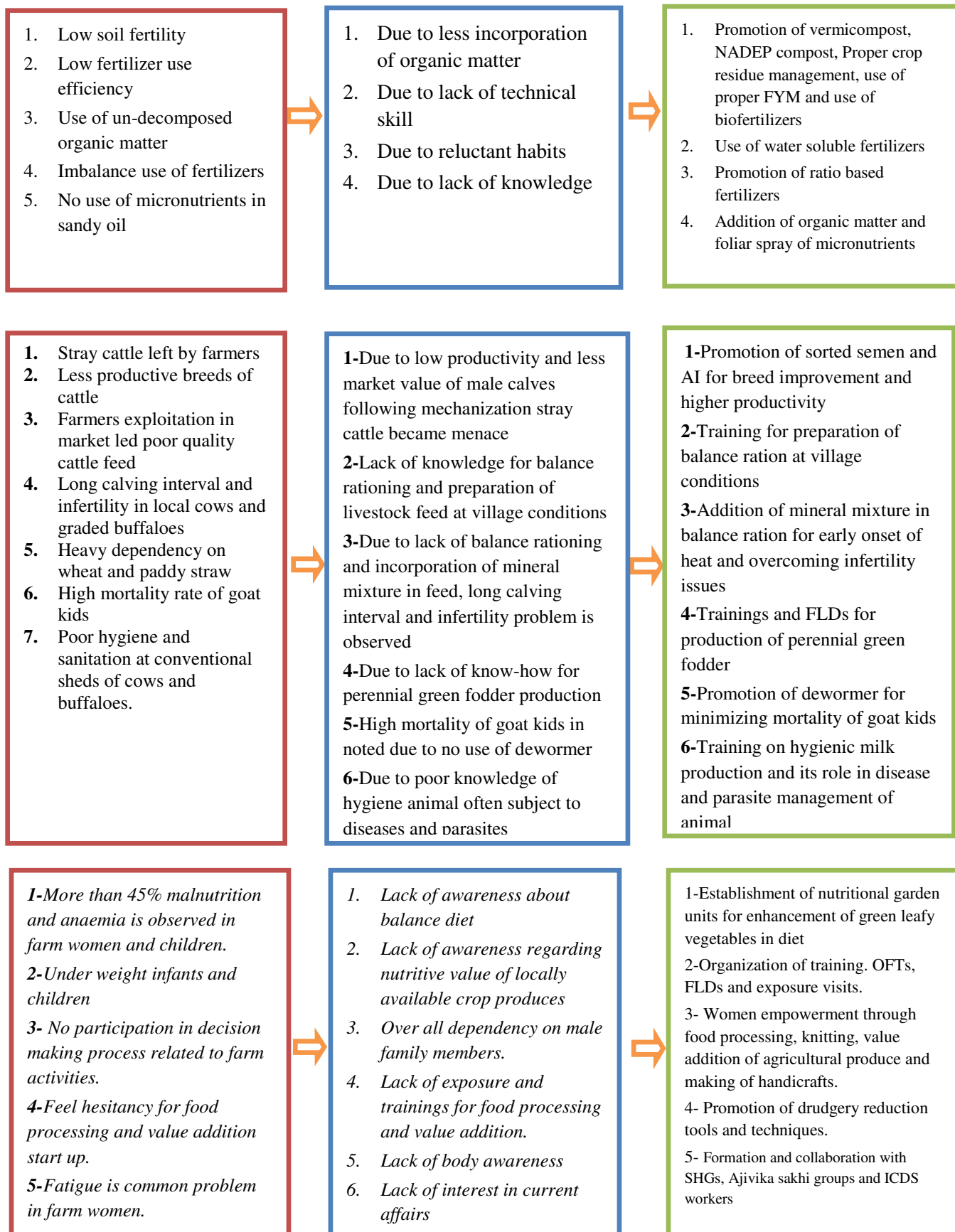
1. Organization of technical trainings, OFTs and FLDs for raising awareness about nutrient and water scheduling at critical growth stages
2. Technical trainings for timely and effective weed management of crops
3. Equipment of farmers and rural youth for transfer of seed production technologies of cereals, oilseed and pulse crops
4. Promotion of agricultural technologies through advisories services, print and electronic media

- i. Imbalance application of pesticides in Garlic, Potato, Brinjal, cucumber, cauliflower and colocasia
- ii. Poor management practices and knowledge about improved varieties of vegetable crops
- iii. Lack of scientific know – how for nursery development of Chilly, Brinjal, Tomato, Bell Pepper, Papaya and Chrysanthemum
- iv. Poor nutrient, water and weed management in Potato, Brinjal, cucumber, cauliflower, colocasia and orchard crops
- v. Poor seed inoculation, soil treatment and seedling treatment in Garlic, Tomato, Potato, Brinjal, cucumber, cauliflower and colocasia
- vi. Poor awareness about turmeric, lemon grass, stevia, sataverry and aloe vera, Tulsi, Isabgol cultivation and marketing

1. Due to lack of knowledge of ICM, IPM & IDM practices for different crops
2. Due to lack of knowledge about scientific protected nursery raising technique
3. Due to low awareness and availability of improved varieties
4. Poor yield due to lack soil, seed and seedlings treatment of different crops
5. Poor knowledge of high value vegetable and medicinal crops including mushroom for empowerment of marginal farmers

1. Organization of OFTs, FLDs and Training for raising awareness about ICM, IPM & IDM practices for Garlic, Potato, Brinjal, cucumber, cauliflower and Colocasia
2. Promotion of scientific nursery raising technique i.e. low tunnel poly house, net house, portray seedling production
3. Introduction of improved varieties and crop diversification through addition of fruit and flower crops in vegetable cultivation.
4. Promotion of soil, seed and seedlings treatment with Tricoderma powder, Beauveria Bassiana, Carbendazim etc
5. Promotion of Mushroom, Chrysanthemum, Merigold and Broccoli, Capsicum Red cabbage, Turmeric, Sataveri, Aloa vera, Tulsi etc for empowerment of marginal farmers





# PROBLEM MATRIX RANKING AND SOLUTIONS BASED ON P.R.A. OF MAINPURI DISTRICT

(Lukharpura, Badahar, Hariharpur, Nagla Kail and Aonocha villages)

Sr. No.	Identified problem	Causes	Matrix ranking	Possible solutions	Intervention taken
1	<ol style="list-style-type: none"> <li>Poor nutrient and water use efficiency</li> <li>Poor weed control efficiency and Yield loss through weeds</li> <li>Imbalance use of pesticides for control of disease, weed and pest of crops</li> <li>No seed production at farmer field level</li> <li>Poor selection of crop and variety under changing climate condition</li> </ol>	<p><b>I</b>-Due to Ignorance of nutrient and water scheduling</p> <p><b>II</b>-Due to lack of knowledge about weed management technologies</p> <p><b>III</b>-Due to reluctant habits and lack of technical skill about seed production technologies</p> <p><b>IV</b>-Heavy dependence on input dealers for disease and pest management</p>	<p><b>I</b>-Due to lack of knowledge about weed management technologies</p> <p><b>II</b>-Due to Ignorance of nutrient and water scheduling</p> <p><b>III</b>-Due to reluctant habits and lack of technical skill about seed production technologies</p> <p><b>IV</b>-Heavy dependence on input dealers for disease and pest management</p>	<p><b>I</b>-Technical trainings for timely and effective weed management of crops</p> <p><b>II</b>-Organization of technical trainings, OFTs and FLDs for raising awareness about nutrient and water scheduling at critical growth stages</p> <p><b>III</b>-Equipment of farmers and rural youth for transfer of seed production technologies of cereals, oilseed and pulse crops</p> <p><b>IV</b>-Increasing reach through advisories services, print and electronic media</p>	<p><b>I</b>- OFTs and Technical trainings for effective weed management of crops</p> <p><b>II</b>-Organization of technical trainings, OFTs and FLDs for raising awareness about nutrient and water scheduling</p> <p><b>III</b>- Rural youth's trainings for transfer of seed production technologies</p>
2	<ol style="list-style-type: none"> <li>Imbalance application of pesticides in Garlic, Potato, Brinjal, cucumber, cauliflower and colocasia</li> <li>Poor management practices and knowledge about improved varieties of vegetable crops</li> <li>Lack of scientific know – how for nursery development of Chilly, Brinjal, Tomato, Bell Pepper, Papaya and Chrysanthemum</li> <li>Poor nutrient, water and weed management in Potato, Brinjal, cucumber, cauliflower, colocasia and orchard crops</li> <li>Poor seed inoculation, soil</li> </ol>	<ol style="list-style-type: none"> <li>Due to lack of knowledge of ICM, IPM &amp; IDM practices for different crops</li> <li>Due to poor knowledge about scientific protected nursery raising technique</li> <li>Due to low awareness and availability of improved varieties</li> <li>Poor yield due to lack soil, seed and seedlings treatment of different crops</li> <li>Poor knowledge of high value vegetable and medicinal crops</li> </ol>	<p><b>I</b>- Due to low awareness and availability of improved varieties</p> <p><b>II</b>- Due to lack of knowledge of ICM, IPM &amp; IDM practices for different crops</p> <p><b>III</b>- Poor yield due to lack soil, seed and seedlings treatment of different crops</p> <p><b>IV</b>- Poor knowledge of high value vegetable and medicinal crops including mushroom</p> <p><b>V</b>- Due to poor knowledge about scientific protected nursery raising technique</p>	<p><b>I</b>-Introduction of improved varieties and crop diversification through addition of fruit and flower crops in vegetable cultivation</p> <p><b>II</b>- Organization of OFTs, FLDs and Training for raising awareness about ICM, IPM &amp; IDM practices for Garlic, Potato, Brinjal, cucumber, cauliflower and Colocasia</p> <p><b>III</b>- Organization FLDs, OFTs and Trainings for soil, seed and seedlings treatment with Tricoderma powder, Beauveria Bassiana, Carbendazim etc</p> <p><b>IV</b>- Raising awareness through FLDs and Trainings on Mushroom, Chrysanthemum, Merigold, Broccoli, Capsicum, Red cabbage, Turmeric,</p>	<p><b>I</b>-Introduction of improved varieties and crop diversification through addition of fruit and flower crops in vegetable cultivation</p> <p><b>II</b>- Organization of OFTs, FLDs and Training for raising awareness about ICM, IPM &amp; IDM practices for Garlic, Potato, Brinjal, cucumber, cauliflower and Colocasia</p> <p><b>III</b>- Organization FLDs, OFTs and Trainings for soil, seed and seedlings treatment with Tricoderma powder, Beauveria Bassiana, Carbendazim etc</p>

	<p>treatment and seedling treatment in Garlic, Tomato, Potato, Brinjal, cucumber, cauliflower and colocasia</p> <p><b>vi.</b> Poor awareness about turmeric, lemon grass, stevia, sataver and aloe vera, Tulsi, Isabgol cultivation and marketing</p>	<p>including mushroom for empowerment of marginal farmers</p>		<p>Sataver, Aloa vera, Tulsi etc for empowerment of marginal farmers</p> <p><b>V-</b> Promotion through training and FLDs for scientific nursery raising technique i.e. low tunnel poly house, net house, portray seedling production</p>	
3	<ol style="list-style-type: none"> <li>1. Low soil fertility</li> <li>2. Low fertilizer use efficiency</li> <li>3. Use of un-decomposed organic matter</li> <li>4. Imbalance use of fertilizers</li> <li>5. No use of micronutrients in sandy</li> </ol>	<p><b>I-</b>Due to less incorporation of organic matter</p> <p><b>II-</b>Due to lack of technical skill</p> <p><b>III-</b>Due to reluctant habits</p> <p><b>IV-</b>Due to lack of trainings and exposure visits</p>	<p><b>I-</b> Less incorporation of organic matter</p> <p><b>II-</b> Lack of trainings and exposure visits</p> <p><b>III-</b> Lack of technical skill</p> <p><b>IV-</b> Reluctant habits</p>	<p><b>I-</b> Promotion of ratio based fertilizers</p> <p><b>II-</b> Promotion of vermi-compost, NADEP compost, Proper crop residue management, use of proper FYM and use of bio-fertilizers</p> <p><b>III-</b> Promotion of foliar spray of nutrients</p>	<p><b>I-</b> Promotion of ratio based fertilizers</p> <p><b>II-</b> Promotion of vermi-compost, NADEP compost, Proper crop residue management, use of proper FYM and use of bio-fertilizers</p>
4	<ol style="list-style-type: none"> <li>1. Stray cattle left by farmers</li> <li>2. Less productive breeds of cattle</li> <li>3. Farmers exploitation in market led poor quality cattle feed</li> <li>4. Long calving interval and infertility in local cows and graded buffaloes</li> <li>5. Heavy dependency on wheat and paddy straw</li> <li>6. High mortality rate of goat kids</li> <li>7. Poor hygiene and sanitation at conventional sheds of cows and buffaloes. 3-5-2-4-6-1</li> </ol>	<p><b>1-</b>Due to low productivity and less market value of male calves following mechanization stray cattle became menace</p> <p><b>2-</b>Lack of knowledge for balance rationing and preparation of livestock feed at village conditions</p> <p><b>3-</b>Due to lack of balance rationing and incorporation of mineral mixture in feed, long calving interval and infertility problem is observed</p> <p><b>4-</b>Due to lack of know-how for perennial green fodder production</p> <p><b>5-</b>High mortality of goat kids is noted due to no use of dewormer</p> <p><b>6-</b>Due to poor</p>	<p><b>I-</b> Due to lack of balance rationing and incorporation of mineral mixture in feed, long calving interval and infertility problem is observed</p> <p><b>II-</b>High mortality of goat kids is noted due to no use of dewormer</p> <p><b>III-</b> Lack of knowledge for balance rationing and preparation of livestock feed at village conditions</p> <p><b>IV-</b> Due to lack of know-how for perennial green fodder production</p> <p><b>V-</b> Due to poor knowledge of hygiene in animal often subject to</p>	<p><b>I-</b>Addition of mineral mixture in balance ration for early onset of heat and overcoming infertility issues</p> <p><b>II-</b>Promotion of dewormer for minimizing mortality of goat kids</p> <p><b>III-</b>Trainings for preparation of balance ration at village conditions</p> <p><b>IV-</b>Trainings and FLDs for production of perennial green fodder crops</p> <p><b>V-</b>Training on hygienic milk production and its role in disease and parasite management of animal</p> <p><b>VI-</b>Promotion of sorted semen and AI for breed improvement and higher productivity</p>	<p><b>I-</b>Trainings and FLDs for production of perennial green fodder crops and preparation of balance ration at village level</p> <p><b>II-</b>Promotion of dewormer for minimizing mortality of goat kids</p>

		knowledge of hygiene animal often subject to diseases and parasites	diseases and parasites infections <b>VI-</b> Due to low productivity and less market value of male calves following mechanization, stray cattle became menace		
5	<b>1-</b> More than 45% malnutrition and anaemia is observed in farm women and children. <b>2-</b> Under weight infants and children <b>3-</b> No participation in decision making process related to farm activities. <b>4-</b> Feel hesitancy for food processing and value addition start up. <b>5-</b> Fatigue is common problem in farm women. <b>6-</b> Lack of knowledge for marketing of agricultural produce	<b>I-</b> Lack of awareness about balance diet <b>II-</b> Lack of awareness regarding nutritive value of locally available crop produces <b>III-</b> Over all dependency on male family members. <b>IV-</b> Lack of exposure and trainings for food processing and value addition. <b>V-</b> Lack of body awareness <b>VI-</b> Lack of interest in current affairs	<b>I-</b> Lack of awareness about balance diet <b>II-</b> Lack of awareness regarding nutritive value of locally available crop produces <b>III-</b> Lack of exposure and trainings for food processing and value addition. <b>IV-</b> Lack of interest in current affairs and over all dependency on male family members. <b>V-</b> Lack of body awareness	<b>I-</b> Establishment of nutritional garden units for enhancement of green leafy vegetables in diet <b>II-</b> Women empowerment through food processing, knitting, value addition of agricultural produce and making of handicrafts. <b>III-</b> Formation and collaboration with SHGs, Ajivika sakhi groups and ICDS workers <b>IV-</b> Promotion of drudgery reduction tools and techniques. <b>V-</b> Organization of training. OFTs, FLDs and exposure visits.	<b>I-</b> Establishment of nutritional garden at village level <b>II-</b> Women empowerment through food processing, knitting, value addition of agricultural produce and making of handicrafts. <b>III-</b> Women empowerment through training. OFTs, FLDs and exposure visits.

## 2.8 Priority thrust areas based on P.R.A.

S No	Discipline	Major Thrust Area
1	Crop Production	<b>A.</b> Integrated Nutrient, Weed and Water Management <b>B.</b> Integrated Disease and Pest management <b>C.</b> Varietal Evaluation and Crop diversification for climate resilient agriculture <b>D.</b> Integrated Crop Management
2	Horticulture	<b>A.</b> Agronomic management of horticultural crops. <b>B.</b> Varietal Improvement and Crop diversification through agro-forestry. <b>C.</b> Food processing and Value addition through FPOs <b>D.</b> Promotion of seed treatment and inoculation of seed and seedlings respectively with bio and relevant pesticides <b>E.</b> Promotion of IPM & IDM practices in different crops. <b>F.</b> Scientific management of nursery. <b>G.</b> Promotion of mushroom production to out of financial needs

		of marginal farmers. <b>H.</b> Awareness to high value horticultural crop.
<b>3</b>	Soil Science	<b>A.</b> Integrated Soil Fertility management. <b>B.</b> Application of Integrated Nutrient Management. <b>C.</b> Soil fertility mapping and promotion of soil test based fertilizer application.
<b>4</b>	Animal Husbandry	<b>A.</b> Management of stray cattle through use of sorted semen <b>B.</b> Breed improvement through AI <b>C.</b> Balance feed preparation at village level for livestock and poultry <b>D.</b> Disease and pest management for livestock and poultry birds
<b>5</b>	Home Science	<b>A.</b> Promotion of drudgery reduction tools and techniques <b>B.</b> Diet improvement through incorporation of green and leafy vegetables <b>C.</b> Women empowerment through food processing, knitting weaving and value addition of agricultural produce <b>D.</b> Establishment of nutrition gardens <b>E.</b> Promotion of milk and high protein based diet

#### TECHNICAL PROGRAMME

##### 3. A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
6	35	77.25	350

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
77	1745	381	8729

Seed Production (Qtl.)	Planting material Production (Nos.)	Fish seed prod. (Nos.)	Soil Samples analyzed (Nos.)	Development of Soil Health Cards (Nos.)
(5)	(6)	(7)	(8)	(9)
200	24000		150	150

Quality seed distributed (q)	No. of saplings distributed (Nos.)	No. of fingerlings distributed (Nos.)	No. of livestock & poultry strains distributed (Nos.)
(10)	(11)	(12)	(13)
50 qt	24000	0	0

### 3. B. Abstract of interventions to be undertaken

S. No.	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1.	Low production and less return	Groundnut, maize, scented paddy and garlic potato	No use of IPNM, low yield due to imbalance use of nutrients . No seed and soil treatment.	Assessment and response of INM in Groundnut, maize, scented paddy and garlic	Demonstration on application of sulphur and biofertilizers	INM in summer GN, ICM in potato and garlic, production technology of maize, Nadep and wormi compost production technique , use of sulphur and boron in potato	Integrated crop management of rice and wheat in sodic soil .	Gosthies & media coverage	Sulphur, boron, zinc, bio agents
2.	Low production of vegetables, pulses, oilseeds and other field crops due to no use of proper bio-agents and plant protection chemicals for crop protection	Groundnut, mustard, moong, paddy, garlic and seasmum, field pea, cow pea	Seed and soil borne diseases Heavy infection of weed . No use of sulphur	To assess the effective fungicide for disease management in Potato .	Demonstration on application of sulphur and seed treatment . Demonstration on improved variety	Soil and seed treatment IPM in vegetable, paddy, groundnut, seasmum, moongbean, chickpea and mustard IDM in potato, vegetables, pulses, garlic	Soil fertility and IPNM. Integrated pest management	Gosthies, print media, literature, field day, field visit and diagnostic visit	Bio-agents, neem oil, chemicals seed of seasmum, field pea, cow pea

3.	High cost of cultivation, & low quality due to poor nutrient management and disease infestation	Potato	Low yield of potato due to ineffective control of common scab.	Assessment of fungicides for management of common scab in potato	Demonstration on IDM & INM	Production technology of potato	-	Gosthies and literature	Zinc, sulphur
4.	Low production & high cost of cultivation	Paddy	Traditional method	Effect of seedling age and spacing on rice yield under south western semi arid zone with SRI method .	-	Integrated crop management	-	Field day, Gosthies	Seed
5.	Low productivity of milch animals	Buffaloes	Repeat breeding and abortion	-	FLD on green fodder production of barseem and oat	Application of mineral mixture and feeding of green fodder	-	Training, Gosthies and animal Camp	Ayurvedic medicine and mineral mixture
6.	Awareness for vaccination	Cattle	H.S.	-	Animal vaccination to prevent HS	Prevention of animals from contagious disease during Rains	-	Training, Gosthies and animal Camp	H.S. vaccine
7.	Poor nutrient management and seed expansion of Summer G.Nut	G.Nut	INM on groundnut	Varietal	Area expansion through Suitable variety	Seed production technology of Summer G.Nut	-	Training, Gosthies and leaflets	Seed of TG-37A& DH <sub>86</sub> and sulphur
8.	Imbalance diet & value addition	-	Loss of fruit & vegetables	-	Value added products of potato & garlic	-	-	Training, Gosthies	Present method

9.	Low yield and high input	Paddy	Imbalance use of fertilizers without Bio-fertilizer	IPNM in Paddy crops	-	Integrated nutrient management in Kharif crops	-	Training Gosthis	BGA FYM
10.	Seed Treatment	All Crops	Seed and soil borne disease	-	-	Seed treatment of Kharif and Rabi Crops	-	Training Gosthis and print media	-
11.	Safe grain storage	All crops	Infestation of pests in grain storage	Evaluation of eco-friendly techniques for safe grain storage	-	Safe grain storage	-	-	Parad Ayurvedic Tablet, camphor

### 3.1 Technologies to be assessed and refined

#### A.1 Abstract on the number of technologies to be **assessed** in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	1	-	-	-	-	-	1
Weed Management	1	1	-	-	-	-	-	-	-	2
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	1	-	-	-	-	-	-	-	1
Cropping system	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Value addition	2	-	-	-	-	-	-	-	-	2
Integrated Pest Management	-	-	-	-	1	-	-	-	-	1
Integrated Disease Management	-	-	-	-	1	-	-	-	-	1
Weed management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	1	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>3</b>	<b>2</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8</b>

#### A.2. Abstract on the number of technologies to be **refined** in respect of crops

Thematic	Cereals	Oilseeds	Pulses	Commercial	Vegetables	Fruits	Flower	Plantation	Tuber	TOTAL
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areas				Crops				crops	Crops	
Varietal Evaluation	4	-	-	-	1	-	-	-	-	5
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	1	-	-	-	-	-	-	-	-	1
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	2	1	1	-	-	-	-	-	-	3
Cropping system	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Weed management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	1	-	-	-	2	-	-	-	-	1
Small Scale income generating enterprises	2	-	-	-	-	-	-	-	-	2
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>9</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>11</b>

### A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Disease Management	Buffalo	Assessment of “dry animal therapy” to control mastitis in buffaloes.	1	10
<b>Total</b>			<b>1</b>	<b>10</b>

### B. Details of On Farm Trial

#### OFT-1: Integrated Weed Management

1.	Crop/Enterprise	-	<b>Rice (Kharif 2024)</b>	
2.	Title of on farm trial	-	Assessment of weedicide efficacy for controlling of Laptochloa chinensis weed.	
3.	Problem diagnosed	-	Poor yield of Paddy due to heavy infestation of wet land weed Laptochloa chinensis L.	
4.	Farming situation	-	Irrigated, Paddy based, Clay loam soils	
5.	Production system and thematic area	-	Paddy-Wheat-Mungbean or Paddy-Potato-Maize Cropping System.	
6.	Farmers' Practices	-	Use of nominee gold	
7.	Details of technologies selected for assessment/refinement	-	T <sub>1</sub>	Farmers practices (Use of <b>nominee gold</b> )
		-	T <sub>2</sub>	Application of Fenoxypop ethyl @ 1 liter/ha.at 25 DAT
8.	Source of technology	-	CRRI Cuttack	
9.	Total Cost	-	Rs.2500.00	

10.	No. of farmers	-	06
11.	Critical input	-	Herbicides
12	Performance indicators	-	
	(i) Technical	-	(i) Yield q/ha.
		-	(ii) No. of tillers/ plant.
		-	(iii) Weed control efficiency
		-	(iv) B:C Ratio
	(ii) Economic	-	Cost of cultivation and net returns
	(iii) Social	-	Acceptance

**OFT-2: Integrated Weed Management**

1.	Crop/Enterprise	-	<b>Kharif Groundnut-2024</b>
2.	Title of on farm trial	-	<b>Assessment of suitability of Imezethapyr weedicide on growth and yield of Kharif Groundnut.</b>
3.	Problem diagnosed	-	Heavy infestation of weeds and yield loss of Groundnut crop
4.	Farming situation	-	Irrigated, <i>Potato Based, Sandy loam condition</i>
5.	Production system and thematic area	-	Groundnut-Potato-Summer Groundnut / Groundnut-Mustard- Mungbean cropping system.
6.	Farmers' Practices	-	Use of Pendimethalin @3.3 l/ha
7.	Details of technologies selected for assessment/refinement	-	T <sub>1</sub> Farmers practices (Pendimethalin @3.3 l/ha.) T <sub>2</sub> Imezethapyr@ 750 ml/ha (Post Emergence)
8.	Source of technology	-	IARI New Delhi and CSAUAT Kanpur
9.	Total Cost	-	Rs.3500.00
10.	No. of farmers	-	09
11.	Critical input	-	Herbicides
12	Performance indicators	-	
	(i) Technical	-	(i) Yield q/ha.
		-	(ii) No. of pods/ plant.
		-	(iii) Weed control efficiency
	(ii) Economic	-	B:C Ratio
	(iii) Social	-	Acceptance

**OFT-3 Integrated Weed Management**

Crop/Enterprise	-	Wheat
Title	-	Management of <i>Phalaris minor</i> .
Problem diagnosed	-	Low yield of wheat due to infestation of weeds
Major cause		<i>Phalaris minor</i> (27 %), <i>Bathua</i> (20%) and <i>gajri</i> (10 %)
Production System		Rice based
Farmers' Practices	-	Farmers practices (Application of Sulphosulphuran75% + Metsulphuron 5% WG @ 40g/ha at 30-35 DAS)

Technologies	T <sub>1</sub>	Application of Sulphosulphuran 75% + Metsulphuron 5% WG @ 40g/ha at 30-35 DAS
	T <sub>2</sub>	Application of Cladinofop 9 % + Metribuzin 20% WP @ 600g/ha at 30-35 DAS
Source	-	ICAR-IIWBR, Karnal
No. of farmers	-	05
Critical input	-	Herbicide
Performance indicators		
(i) Technical	-	(i) Tillers /sq m (ii) Weed population (iii) Yield q/ha
(ii) Economic	-	Cost benefit ratio
(iii) Social		Acceptability

#### OFT-4

#### Integrated Nutrient management

Particulars	Contents
<b>Title</b>	Assessment of suitability of Potassium and boron on growth and yield of summer Groundnut
<b>Problem diagnosed</b>	Low yield due to imbalance use of nutrients
<b>Micro farming situation</b>	Irrigated , <i>Potato Based farming situation and under sandy loam condition</i>
<b>Details of technology identified for solution</b>	T <sub>1</sub> Farmer practice (N:P:K 18:46:00kg/ha and No use of micronutrient) .
	T <sub>2</sub> N:P:K 18:46:23 kg NPK via 12:32:16 ratio fertilizer +2 Spray of 3% Potassium Sulphate (K-50%, S18-%) + Borax 11% @ 12 kg/ha in two split at 45 DAS and 60 DAS
<b>No. of farmers</b>	5
<b>Replications/ location</b>	5
<b>Critical inputs</b>	Water Soluble Potassium Sulphate and Boron
<b>Production system</b>	Maize-Potato-Groundnut
<b>Source of technology</b>	C.S.A.U.A&T, KANPUR
<b>Total Cost</b>	Rs. 2500.00
<b>Observation to be recorded</b>	No of pod per plant, Av. Pod weight per plant ,. Production yield q/ ha.
	B:C Ratio, Net return (Rs. /ha )
<b>Reaction of the farmers</b>	Acceptability

#### OFT- 5

#### Integrated Disease Management

Particulars	Contents
<b>Title</b>	Assessment of suitability of IDM packages for management of <b>Guava wilt.</b>

<b>Problem diagnosed</b>	Farmer are distracted from guava orchard because of heavy incident of guava wilt
<b>Micro farming situation</b>	Irrigated/ <i>Guava Based</i>
Details of technology identified for solution	T <sub>1</sub> Farmer practice ( No treatment / sometime use of Carbendazim)
	T <sub>2</sub> Trichoderma harzianum inoculated 1.0 kg/q FYM (one week old) @5Kg/pit before planting or 10kg/basin every year in june month + Neem cake 250-500 gm/plan
No. of farmers	5
Replications	5
Critical inputs	As per T <sub>2</sub> treatment
Production system	Orchard sole crop/ Turmeric or Marigold intercrop
Source of technology	CISH, Lucknow
Total Cost	Rs.5000.00
Observation to be recorded	Average wilting/ percentage control
Reaction of the farmers	Acceptability

#### **OFT -6**

#### **Integrated Health Management**

Animal	Buffalo
Title of OFT	Management of repeat breeding in Buffalo
Major Problem	Infertility/ repeat breeding
Major cause	Nutritional deficiency
Production system	Mixed farming
Farmer's practice	Use of choker & common salt
Details of technologies Selected for assessment	T <sub>1</sub> .Farmer's practice T <sub>2</sub> _ Use of Feed Supplement @50 g/day/animal for 3 month feed+ Dewormer and Hormone if needed
Source of techn.	ICAR- IVRI, Izatnagar, Bareilly
No. of Animal	10
Critical input	Mineral Mixture, Dewormer and Hormone
Input Cost	Rs 10000
Performance indicator	

Technical	Conception rate , Heat detection and service period
Economic	B:C ratio
Social	Acceptance

### 3.2 Frontline Demonstrations

#### A. Details of FLDs to be organized

Sl. No	Crop	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ Demonstration	Parameters Identified
<b>C Oilseeds &amp; pulses</b>								
1	Spring Groundnut (SS)	INM	Micronutrient	Rhizobium Culture+ Sulphur @ 25 kg/ha+ Boron(11%) 11 kg/ha	Zaid, 2024	2.0	10	Yield (q/ha) B:C ratio
2	Moon g (SS)	biofertilizer	Rhizobium Culture	Seed treatment with Rhizobium Culture@ 1pkt(500g m)/ 10Kg seed	Zaid, 2024	2.0	10	Yield (q/ha) B:C ratio
<b>Other than oilseeds &amp; pulses</b>								
3	Maize (Agro n)	Integrated weed management	Herbicide	Tambotrine @ <b>Animal</b> <b>Title of O</b> <b>Major Pro</b> <b>Major cau</b>	Kharif , 2024	2.0	10	Yield (q/ha) B:C ratio

				<b>Production system</b>				<b>Mixed farming</b>
				<b>Farmer's practice</b>				<b>Use of choker &amp; com</b>
				<b>Details of technologies Selected for assessment</b>				<b>T<sub>1</sub>-Farmer's practice T<sub>2</sub> – Use of Feed Supplement</b>
				<b>Source of techn.</b>				<b>ICAR- IVRI, Izatna</b>
				<b>No. of Animal</b>				<b>10</b>
				<b>Critical input</b>				<b>Mineral Mixture, D</b>
				<b>Input Cost</b>				<b>Rs 10000</b>
				<b>Performance indicator</b>				
				<b>Technical</b>				<b>Conception rate , He</b>
				<b>Economic</b>				<b>B:C ratio</b>
				<b>Social</b>				<b>Acceptance</b>
				115 ml/acre				
4	Maize (Agro n)	Crop residue manageme nt	Waste Decomposer	Microbial decompos er	Kharif crop residue of 2024	2.0	10	Soil testing before next crop sowing
5	Nutriti onal / Kitche n garden	Food security	Availability of vegetable throughout the year	Seed/ Seedlings	Kharif, Rabi & Zaid 2024	-	50 unit	Yield (q/ha) B:C ratio Vegetabl e intake per day, BMI
6	Ragi (HS)	Introducti on of Ragi millet for treatment of anemia in children	Improved varieties (VL- 376/VL-352 /VR-929)	Seed	Kharif 2024	1.0	10	Yield (q/ha) B:C ratio, BMI, Hb level

		and farm women						
7	Rice (Agro n)	Scented variety Hybrid variety	Pusa Sugandh-5 / Pusa Basmati -1692	Seed	Kharif,2024	2.00	10	Producti on (q/ha) B:C ratio
8	Rice	Crop residue Managem ent	Waste Decomposer	Decompos er	Kharif 2024	2.00	10	Soil testing before next crop sowing
9	Wheat	Bio-fortified variety	Improved variety K-1006	Seed	Rabi 2024	2.00	5	Yield (q/ha) B:C ratio
10	Wheat	Late sown wheat variety	DBW-107	Seed	Rabi 2024	2.00	5	Yield (q/ha) B:C ratio
11	Wheat (SS)	Biofertiliz er	Azotobacter and PSB culture	Azotobact er and PSB culture @ 1 unit/acre	Rabi 2024	2.00	10	Yield (q/ha) B:C ratio
<b>Total</b>						<b>23</b>	<b>100</b>	
<b>HORTICULTURAL CROPS</b>								
12	Cucu mber	IPM	Use of pheromone trap @ 12-15/ha+Neem oil 1500 ppm @5-6 ml/lit.	Pheromon e trap +Neem oil	Zaid 2024	1.00	10	Producti on q/ha B:C ratio
13	Coloca sia	IDM	Seed treatment with trichoderma @ 10g/kg seed and two spray of Mancozeb @ 2.00 kg / ha to control leaf spot	Fungicide	Zaid 2024	1.00	10	Producti on q/ha B:C ratio Disease %
14	Spong e guard	Varietal	Kashi Shreya	Seed	kharif 2024	0.05	5	Producti on q/ha C : B. ratio
15	Brinjal	Varietal	Kashi Sandesh	Seed	Kharif / Rabi 2024	0.60	10	Producti on q/ha B:C ratio

16	Capsicum	Varietal	California wonder/ Indra	Seed	kharif 2024	1.00	10	Production q/ha B:C ratio
17	Mushroom	Spon	Oyster	2 pkt Spawn /Farmer	Rabi 2024	1.00	10	Production q/ha B:C ratio
18	Potato	IDM	Soil treatment by Trichoderma @2.5 kg/ha + seed treatment by Trichoderma @ 2-5 gm/kg tuber	Trichoderma 2.5kg/ha	Rabi, 2024	4.0	10	Production q/ha B:C. ratio Disease %
19	Potato	Foliar Application of nutrients	2 Spray of Mono Potassium Phosphate(0:52:34) @ 3 % solution at 45 DAS and 60 DAS	Potassium Phosphate (0:52:34)	Rabi 2024	4.0	10	Production q/ha B:C ratio
20	Nursery	IDM	Soil treatment by Trichoderma @ 2-5gm /l water & seed treatment with Trichoderma 8-10gm/kg seed to control damping off disease	Fungicide	Rabi 2024	0.10	10	Production q/ha B:C ratio Disease %
21	Broccoli	Varietal	Pusa KTS-1	Seed	Rabi 2024	1.00	10	Production q/ha B:C ratio
22	Garlic	IPM	Use of carbofuran @ 5kg/ acre	Insecticide	Rabi 2024	2.00	5	Production q/ha B:C. ratio
23	Garlic	Micronutrient Management	Sulphur @25 kg / ha	Sulphur @25 kg / ha	Rabi 2024	2.00	5	Production q/ha B:C ratio
24	Carrot	Varietal	Improved	seed	Rabi	0.5	5	Production q/ha B:C ratio



			Variety Kashi arun		2024			on q/ha B:C. ratio
					<b>Total</b>	<b>18.2 5</b>	<b>110</b>	
					<b>Grand Total</b>	<b>41.2 5</b>	<b>210</b>	

### Action Plan for Cluster Frontline Demonstrations 2024

#### Details of CFLDs on Oil seeds to be organized

Sl. No	Crop	Thematic area	Season and year	Technology for demonstration	Critical inputs	Area (ha)	No. of farmers/ Demo.	Parameters Identified
1	Groundnut	ICM	Zaid, 2024	Rhizobium Culture+ Sulphur @ 25 kg/ha + Plant Protection Measures	R.C., , fungicide and Pesticides	10.00	25	Yield (q/ha) B:C ratio
2	Mustard	ICM	Rabi, 2024	Improved variety RH-749/ Tapeswari + Sulphur @ 25 kg/ha +Plant Protection Measures	Seed, Sulphur and Pesticides	10.00	25	Yield (q/ha) B:C ratio
<b>Total</b>						<b>20.00</b>	<b>50</b>	

#### Details of CFLD on Pulses to be organized

Sl. No	Crop	Thematic area	Season and year	Technology for demonstration	Critical inputs	Area (ha)	No. of farmers/ Demo.	Parameters Identified
1	Moong	ICM	Zaid, 2024	Improved variety IPM 2-3 + Sulphur @ 25 kg/ha +Plant Protection Measures	Seed + R.C.+ Sulphur+ fungicide and Pesticides	10.00	25	Yield (q/ha) B:C ratio
2	Moong	ICM	Kharif, 2024	Improved variety IPM 2-3 + Sulphur @ 25 kg/ha +Plant Protection Measures	Seed + R.C.+ Sulphur+ fungicide and Pesticides	10.00	25	Yield (q/ha) & B:C ratio
<b>Total</b>						<b>20</b>	<b>50</b>	

## B. Extension and Training activities under CFLDs

S.No.	Activity	No. of activities	Time	Number of participants
1	Farmers Training	40	Before sowing	800
2	Field days	30	At pre maturity	900
3	Field visits	60	Time to time	250
4	Media coverage	20	During field visit	-
5	Training for extension functionaries	5	During Crop season	60

## C. Details of FLD on Enterprises

### Front line demonstration- Animal Science.

(i)

Enterprise	Variety/ breed/ Species/ others	No. of farmers	No. of Demons	Critical inputs	Performa nce parameter s / indicators	Data on parameter in relation to technology demonstrated	
						Demon.	Local check
Fodder production round th year	Napier	20	20	Seed / Sapling	B:C Ratio	-	-
Fodder production Kharif 2024	Sudan/ Multicut	20	20	Seed / Sapling	B:C Ratio	-	-
Fodder production Rabi 2024	Berseem / Oat	20	20	Seed / Sapling	B:C Ratio	-	-
Fodder production Zaid 2024	Sudan/ Napier	20	20	Seed / Sapling	B:C Ratio	-	-

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals	Critical inputs	Performance parameters / Indicators
Application of endo parasitic medicine / Timely deworming at interval of 90-120 days	Cattle and buffalo	25	50	Fenbendazole/ Albendazol	Heath improvement and body condition.

Feeding of mineral mixture	Cattle and buffalo	25	25	Mineral mixture powder	Change in milk production and body condition
Application of ecto parasitic medicine	Cattle and buffalo	25	25	Deltamethrin/ Flumethrin	Heath improvement and body condition

### iii) Mushroom production

Enterprise	Variety/ breed/ Species/ others	No. of farmers	No. of Demos	Critical inputs	Performance parameter s / indicators	Data on parameter in relation to technology demonstrated	
						Demon.	Local check
Mushroom	Oyster	10	10	Spawn	B:C Ratio	-	-

### iv) Nutritional garden

Enterprise	Variety/ breed/ Species/others	No. of farmers	No. of Demo n	Critical inputs	Performance parameters / Indicators	Data on parameter in relation to technology demonstrated	
						Demon. n.	Local check
Nutritional gardening	Seeds and sapling	30	30	Seed and seedling	B:C Ratio	-	-
Value Addition	Malnutrition	10	10	Value added Laddu / health mix	Height, weight, BMI, disease assurance if any	-	-

## 3.3 Training (Including the sponsored and FLD training programmes)

### A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management								
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management	1	16	0	16	4	0	4	20

Seed production								
Nursery management								
Integrated Crop Management	5	73	5	78	19	3	22	100
Fodder production								
Production of organic inputs	1	12	0	12	8	0	8	20
<b>Total</b>	<b>7</b>	<b>101</b>	<b>5</b>	<b>106</b>	<b>31</b>	<b>3</b>	<b>34</b>	<b>140</b>
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	3	48	0	48	12	0	12	60
Off-season vegetables								
Nursery raising	2	32	0	32	8	0	8	40
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
<b>Total</b>	<b>5</b>	<b>80</b>	<b>0</b>	<b>80</b>	<b>20</b>	<b>0</b>	<b>20</b>	<b>100</b>
<b>b) Fruits</b>								
Training and Pruning								
Layout and Management of Orchards	1	16	0	16	4	0	4	20
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards	1	16	0	16	4	0	4	20
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology								
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								
Processing and value addition								

<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
<b>Total</b>	<b>2</b>	<b>32</b>	<b>0</b>	<b>32</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>40</b>
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	2	32	0	32	8	0	8	40
Soil and Water Conservation								
Integrated Nutrient Management	2	32	0	32	8	0	8	40
Production and use of organic inputs	1	16	0	16	4	0	4	20
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency	1	16	0	16	4	0	4	20
Soil and Water Testing								
<b>TOTAL</b>	<b>6</b>	<b>96</b>	<b>0</b>	<b>96</b>	<b>24</b>	<b>0</b>	<b>24</b>	<b>120</b>
<b>IV Livestock Production and Management</b>								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management	2	32	0	32	8	0	8	40
Feed management	3	48	0	48	12	0	12	60
Production of quality animal products	2	32	0	32	8	0	8	40
<b>TOTAL</b>	<b>7</b>	<b>112</b>	<b>0</b>	<b>112</b>	<b>28</b>	<b>0</b>	<b>28</b>	<b>140</b>
<b>V Home Science/Women empowerment</b>								
Management of nutrition kitchen Garden	2	0	30	30	0	10	10	40
High nutrients diet for adolescent girl	1	0	15	15	0	5	5	20
Value addition of fruits and vegetables	3	0	95	95	0	50	50	140
Importance and use of proteins								
Safe grain storage								
Value Addition of groundnut								
Value addition of garlic								
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care								
<b>TOTAL</b>	<b>6</b>	<b>0</b>	<b>140</b>	<b>140</b>	<b>0</b>	<b>65</b>	<b>65</b>	<b>200</b>

<b>VI Agril. Engineering</b>								
Use of potato digger technique in potato digging								
Use of reaper in wheat harvesting								
Use of tractor operated M.B.plough								
Use of tractor operated sub-soiler for deep ploughing								
Water holding technique in farmers field								
Improve the water level of well and tube-well by rainy water								
Use of low poly-tunnel for nursery preparation								
Paddy harvesting by combine machine								
Use of rotavator in field preparation								
Use of seed-drill in wheat sowing								
Use of sprinkler irrigation system for irrigation								
Interculture of farmers field by hand hoe								
<b>VII Plant Protection</b>								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
<b>VIII Fisheries</b>								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
<b>IX Production of Inputs at site</b>								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								

Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development								
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital								
Entrepreneurial development of farmers/youths								
WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>								
<b>(B) RURAL YOUTH</b>								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production	2	22	2	24	15	1	16	40
Production of organic inputs	1	10	0	10	5	0	5	15
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	1	16	0	16	4	0	4	20
Training and pruning of orchards								
Value addition	2	8	8	16	12	2	22	30
Production of quality animal products								
Dairying								
Sheep and goat rearing	1	14	2	16	3	1	4	20
Quail farming								
Piggery								

Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
<b>TOTAL</b>	<b>7</b>	<b>70</b>	<b>12</b>	<b>82</b>	<b>39</b>	<b>4</b>	<b>51</b>	<b>125</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	3	57	0	57	18	0	18	75
Integrated Pest Management	1	19	0	19	6	0	6	25
Integrated Nutrient management								
Rejuvenation of old orchards	1	19	0	19	6	0	6	25
Protected cultivation technology	1	19	0	19	6	0	6	25
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing	1	19	0	19	6	0	6	25
Soil test based fertilizer recommendation	1	19	0	19	6	0	6	25
Production and use of organic inputs	1	19	0	19	6	0	6	25
Gender mainstreaming through SHGs								
Any other (Pl. Specify) Fruit preservation	1	19	0	19	6	0	6	25
<b>TOTAL</b>	<b>10</b>	<b>190</b>	<b>0</b>	<b>190</b>	<b>60</b>	<b>0</b>	<b>60</b>	<b>250</b>
<b>G. Total</b>								

## B) OFF Campus



Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	7	0	7	13	0	13	20
Resource Conservation Technologies	2	20	12	32	4	4	8	40
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management	4	41	16	57	17	6	23	80
Fodder production								
Production of organic inputs								
Total	7	68	28	96	34	10	44	140
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	3	30	18	48	6	6	12	60
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables	3	30	18	48	6	6	12	60
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants	1	10	6	16	2	2	4	20
Propagation techniques of Ornamental Plants								

<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology								
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
<b>TOTAL</b>	<b>7</b>	<b>70</b>	<b>42</b>	<b>112</b>	<b>14</b>	<b>14</b>	<b>28</b>	<b>140</b>
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	10	6	16	2	2	4	20
Soil and Water Conservation								
Integrated Nutrient Management	2	20	12	32	4	4	8	40
Production and use of organic inputs	1	10	6	16	2	2	4	20
Management of Problematic soils								
Micro nutrient deficiency in crops	2	20	12	32	4	4	8	40
Nutrient Use Efficiency								
Soil and Water Testing								
<b>TOTAL</b>	<b>6</b>	<b>60</b>	<b>36</b>	<b>96</b>	<b>12</b>	<b>12</b>	<b>24</b>	<b>120</b>
<b>IV Livestock Production and Management</b>								
Dairy Management	4	40	24	64	8	8	16	80
Poultry Management								
Piggery Management								
Rabbit Management /goat								
Disease Management	1	10	6	16	2	2	4	20
Feed management	1	10	6	16	2	2	4	20
Production of quality animal products								
<b>Total</b>	<b>6</b>	<b>60</b>	<b>36</b>	<b>96</b>	<b>12</b>	<b>12</b>	<b>24</b>	<b>120</b>
<b>V Home Science/Women empowerment</b>								
Management of kitchen garden	1	0	15	15	0	5	5	20
Safe grain storage	1	0	15	15	0	5	5	20

Importance and use of protein								
Fruits & vegetables preservation								
Value addition of groundnut								
Balanced diet for women and children	1	0	30	30	0	30	30	60
Food fortifications of bajra, makka and groundnut								
Value addition of garlic	1	0	45	45	0	20	20	64
Nutritional efficient diet for farm women								
Rural Crafts	2	0	30	30	0	10	10	40
Women and child care	1	0	15	15	0	5	5	20
<b>TOTAL</b>	<b>7</b>	<b>0</b>	<b>150</b>	<b>150</b>	<b>0</b>	<b>75</b>	<b>75</b>	<b>224</b>
<b>VI Agril. Engineering</b>								
Use of sprinkler irrigation system for irrigation								
Use of potato digger technique for potato digging								
Use of potato grading technique								
Wheat harvesting technique by combine machine								
Wheat harvesting technique by reaper								
Deep ploughing of farmers field by sub-soiler before rain								
Direct sowing technique of paddy seed in farmers field								
Use of HDPE pipes in paddy crop irrigation								
Use of drip irrigation technique for irrigation								
Use of rotavator in farmers field preparation								
How to handle the tractor								
Repair and maintenance of the tractor								
<b>VII Plant Protection</b>								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
<b>VIII Fisheries</b>								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								

Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
<b>IX Production of Inputs at site</b>								
Seed Production								
Planting material production (Horti.)								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production (Horti.)								
Organic manures production (A.S.)								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	1	10	6	16	2	2	4	20
Group dynamics								
Formation and Management of SHGs(HS)	2	20	12	32	4	4	8	40
Mobilization of social capital								
Entrepreneurial development of farmers/youths (Agro.)								
WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								
<b>XII Others (Pl. Specify)</b>	<b>3</b>	<b>30</b>	<b>18</b>	<b>48</b>	<b>6</b>	<b>6</b>	<b>12</b>	<b>60</b>
<b>TOTAL</b>								

**FARMERS' TRAINING INCLUDING SPONSORED TRAINING PROGRAMMES – CONSOLIDATED  
(ON + OFF CAMPUS)**

Thematic area	No. of courses	Participants		
		Others	SC/ST	Grand Total

		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>I Crop Production</b>										
Weed Management	1	7	0	7	13	0	13	20	0	20
Resource Conservation Technologies	2	20	12	32	4	4	8	24	16	40
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/irrigation	1	16	0	16	4	0	4	20	0	20
Seed production								0	0	0
Nursery management								0	0	0
Integrated Crop Management	9	114	21	135	36	9	45	150	30	180
Soil & water conservatioin										
Integrated nutrient management										
Production of organic inputs	1	12	0	12	8	0	8	20	0	20
Others										
<b>Total</b>	<b>14</b>	<b>169</b>	<b>33</b>	<b>202</b>	<b>65</b>	<b>13</b>	<b>78</b>	<b>234</b>	<b>46</b>	<b>280</b>
<b>II Horticulture</b>										
<b>a) Vegetable Crops</b>										
Production of low value and high valume crops	6	78	18	96	18	6	24	96	24	120
Off-season vegetables										
Nursery raising	2	32	0	32	8	0	8	40	0	40
Exotic vegetables										
Export potential vegetables	3	30	18	48	6	6	12	36	24	60
Grading and standardization										
Protective cultivation										
Others										
<b>Total (a)</b>										
<b>b) Fruits</b>										
Training and Pruning										
Layout and Management of Orchards	1	16	0	16	4	0	4	20	0	20
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards	1	16	0	16	4	0	4	20	0	20
Export potential fruits										

Micro irrigation systems of orchards										
Plant propagation techniques										
Others										
<b>Total (b)</b>										
<b>c) Ornamental Plants</b>										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants	1	10	6	16	2	2	4	12	8	20
Propagation techniques of Ornamental Plants										
Others										
<b>Total ( c)</b>	<b>14</b>	<b>182</b>	<b>42</b>	<b>224</b>	<b>42</b>	<b>14</b>	<b>56</b>	<b>224</b>	<b>56</b>	<b>280</b>
<b>d) Plantation crops</b>										
Production and Management technology										
Processing and value addition										
Others										
<b>Total (d)</b>										
<b>e) Tuber crops</b>										
Production and Management technology										
Processing and value addition										
Others										
<b>Total (e)</b>										
<b>f) Spices</b>										
Production and Management technology										
Processing and value addition										
Others										
<b>Total (f)</b>										
<b>g) Medicinal and Aromatic Plants</b>										
Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others										
<b>Total (g)</b>										

<b>GT (a-g)</b>										
<b>III Soil Health and Fertility Mangmt.</b>										
Soil fertility management	3	42	6	48	10	2	12	52	8	60
Integrated water management										
Integrated Nutrient Management	4	52	12	64	12	4	16	64	16	80
Production and use of organic inputs	2	26	6	32	6	2	8	32	8	40
Management of Problematic soils										
Micro nutrient deficiency in crops	2	20	12	32	4	4	8	24	16	40
Nutrient Use Efficiency	1	16	0	16	4	0	4	20	0	20
Balance use of fertilizers										
Soil and Water Testing										
Others										
<b>Total</b>	<b>12</b>	<b>156</b>	<b>36</b>	<b>192</b>	<b>36</b>	<b>12</b>	<b>48</b>	192	48	240
<b>IV Livestock Production and Management.</b>										
Dairy Management	4	40	24	64	8	8	16	48	32	80
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management	3	42	6	48	10	2	12	52	8	60
Feed & fodder technology	4	58	6	64	14	2	16	72	8	80
Production of quality animal products	2	32	0	32	8	0	8	40	0	40
Others (pl specify)										
<b>Total</b>	<b>13</b>	<b>172</b>	<b>36</b>	<b>208</b>	<b>40</b>	<b>12</b>	<b>52</b>	<b>212</b>	<b>48</b>	<b>260</b>
<b>V Home Science/Women empowerment</b>										
Household food security by kitchen gardening and nutrition gardening	3	0	45	45	0	15	15	0	60	60
Design and development of low/minimum cost diet	2	0	45	45	0	35	35	0	80	80
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in										

processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	4	0	140	140	0	70	70	0	210	210
Women empowerment										
Location specific drudgery reduction technologies										
Rural Crafts	2	0	30	30	0	10	10	0	40	40
Women and child care	1	0	15	15	0	5	5	0	20	20
Others(Safe grain storage)	1	0	15	15	0	5	5	0	20	20
<b>Total</b>	<b>13</b>	<b>0</b>	<b>290</b>	<b>290</b>	<b>0</b>	<b>140</b>	<b>140</b>	<b>0</b>	<b>430</b>	<b>430</b>
<b>VI Agril. Engineering</b>										
Farm Machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others										
<b>Total</b>										
<b>VII Plant Protection</b>										
Integrated Pest Management										
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others										



<b>Total</b>										
<b>VIII Fisheries</b>										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others										
<b>Total</b>										
<b>IX Production of Inputs at site</b>										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										

Mushroom Production										
Apiculture										
Others										
<b>Total</b>										
<b>X Capacity Building and Group Dynamics</b>										
Leadership development	1	10	6	16	2	2	4	12	8	20
Group dynamics										
Formation and Management of SHGs	2	20	12	32	4	4	8	24	16	40
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others										
<b>Total</b>	<b>3</b>	<b>30</b>	<b>18</b>	<b>48</b>	<b>6</b>	<b>6</b>	<b>12</b>	<b>36</b>	<b>24</b>	<b>60</b>
<b>XI Agro-forestry</b>										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others										
<b>Total</b>										
<b>GRAND TOTAL</b>	<b>57</b>	<b>553</b>	<b>419</b>	<b>972</b>	<b>153</b>	<b>185</b>	<b>338</b>	<b>706</b>	<b>604</b>	<b>1310</b>

**Training for Rural Youths including sponsored training programmes – CONSOLIDATED  
(On + Off campus)**

Area of Training	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	1	16	0	16	4	0	4	20	0	20
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production	2	22	2	24	15	1	16	37	3	40
Production of organic inputs	1	10	0	10	5	0	5	15	0	15
Planting material production										
Vermi-culture										

Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	2	8	8	16	12	2	22	20	10	30
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing	1	14	2	16	3	1	4	17	3	20
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Other	3	30	18	48	6	6	12	36	24	60
<b>TOTAL</b>	<b>10</b>	<b>100</b>	<b>30</b>	<b>130</b>	<b>45</b>	<b>10</b>	<b>63</b>	<b>145</b>	<b>40</b>	<b>185</b>

**Training programmes for Extension Personnel including sponsored training programmes –  
CONSOLIDATED (On + Off campus)**

Area of Training	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	3	57	0	57	18	0	18	75	0	75
Integrated Pest Management	1	19	0	19	6	0	6	25	0	25
Integrated Nutrient management								0	0	0
Rejuvenation of old orchards	1	19	0	19	6	0	6	25	0	25
Protected cultivation technology	1	19	0	19	6	0	6	25	0	25
Production and use of organic inputs	1	19	0	19	6	0	6	25	0	25
Care & maintenance of farm machinery & implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										

Low cost and nutrient efficient diet designing	1	19	0	19	6	0	6	25	0	25
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Other	2	38	0	38	12	0	12	50	0	50
<b>TOTAL</b>	<b>10</b>	<b>190</b>	<b>0</b>	<b>190</b>	<b>60</b>	<b>0</b>	<b>60</b>	<b>250</b>	<b>0</b>	<b>250</b>

### Details of training programmes attached in Annexure -I

#### i) Farmers & Farm women

##### On campus

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G Total
				M	F	Total	M	F	Total	
CROP PRODUCTION										
Feb. 2024	Practicing farmers & farm women	Cultivation technique of spring groundnut and maize	4	11	2	13	5	2	7	20
March 2024	Practicing farmers & farm women	Prod. Tech. of summer moong and urdbean	4	14	3	17	2	1	3	20
May,2024	Practicing farmers & farm women	Post harvest techniques of rabi crops	4	16	0	16	4	0	4	20
June,2024	Practicing farmers & farm women	Prod. Tech. of kharif groundnut, paddy and Til	4	16	0	16	4	0	4	20
August 2024	Practicing farmers & farm women	Production technique of Azola and BGA	4	12	0	12	8	0	8	20
Oct.,2024	Practicing farmers & farm women	Nutrients and water management in rabi crops	4	16	0	16	4	0	4	20
Nov, 2024	Practicing farmers & farm women	Biological pest control and ICM in rabi cereals, oilseeds and pulses	4	16	0	16	4	0	4	20
HORTICULTURE										
Feb.,2024	Practicing farmers & farm women	Integrated crop management in zaid crops	4	16	0	16	4	0	4	20
May ,2024	Practicing farmers & farm women	Planning layout and field management for establishing new orchard of guava , mango, aonla and citrus and management of old orchard.	4	16	0	16	4	0	4	20
June,2024	Practicing farmers & farm women	Nursery management and production tech. of chrysanthemum and marigold	4	16	0	16	4	0	4	20
July,2024	Practicing farmers & farm women	Propagation of fruit plants by grafting, budding and layering	4	16	0	16	4	0	4	20

Aug. ,2024	Practicing farmers & farm women	Nursery Raising Techniques of vegetables in Low Tunnel Poly House/Net house/ protray	4	16	0	16	4	0	4	20
Sept ,2024	Practicing farmers & farm women	Integrated crop management in rabi crops	4	16	0	16	4	0	4	20
Dec,2024	Practicing farmers & farm women	Integrated pest management in rabi vegetable	4	16	0	16	4	0	4	20
<b>Soil Science</b>										
Feb. , 2024	Practicing farmers & farm women	Integrated Nutrient Management oilseeds and pulses	4	16	0	16	4	0	4	20
May, 2024	Practicing farmers & farm women	Use of soil test based recommended dose of fertilizer for kharif crops	4	16	0	16	4	0	4	20
July 2024	Practicing farmers & farm women	Production technique of Vermicompost, NADEP, BGA and Azolla	4	16	0	16	4	0	4	20
Sept. 2024	Practicing farmers & farm women	Use and importance of Sulphur in rabi oil seed and pulses	4	16	0	16	4	0	4	20
Oct. 2024	Practicing farmers & farm women	Crop residue management for improving soil fertility of rabi crops	4	16	0	16	4	0	4	20
Nov., 2024	Practicing farmers & farm women	Foliar application of major and micro nutrients	4	16	0	16	4	0	4	20
<b>Animal Husbandry</b>										
Jan.,2024	Practicing farmers & farm women	Care and management of newly born calves and control of mastitis in dairy animals	4	16	0	16	4	0	4	20
April,2024	Practicing farmers & farm women	Control of ecto and endo parasitic infestation in farm animals	4	16	0	16	4	0	4	20
May,2024	Practicing farmers & farm women	Management of dairy animals during stress and in summer season	4	16	0	16	4	0	4	20
July , 2024	Practicing farmers & farm women	Importance of AI in farm animals and Precautions	4	16	0	16	4	0	4	20
August ,2024	Practicing farmers & farm women	Balance rationing and its importance in feeding of dairy animals	4	16	0	16	4	0	4	20
Sept.,2024	Practicing farmers & farm women	Fodder production & use of mineral mixtures in feeding schedule of milch animals	4	16	0	16	4	0	4	20
Dec., 2024	Practicing farmers & farm women	Care and management of milch animals during winters.	4	16	0	16	4	0	4	20
<b>HOME SCIENCE</b>										
Jan., 2024	Practicing farmers & farm women	High nutrients diet for adolescent girl, farm women and infants.	4	0	15	15	0	5	5	20
May 2024	Practicing farmers & farm	Value addition of fruits, vegetables, baby corn and summer groundnut	6	0	35	35	0	25	25	60

July 2024	women Practicing farmers & farm women	Management of nutria garden, safe grain storage and value addition of zaid crops	4	0	15	15	0	5	5	20
Oct. 2024	Practicing farmers & farm women	Management of kitchen Garden and promotion of hand embroidery, knitting and weaving	4	0	15	15	0	5	5	20
Nov. 2024	Practicing farmers & farm women	Food fortification through bajra, maize and groundnut	4	0	15	15	0	5	5	20
Dec. 2024	Practicing farmers & farm women	Value Addition of pearl millets and aonla	4	0	45	45	0	20	20	60

## OFF CAMPUS

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G Total
				M	F	Total	M	F	Total	
CROP PRODUCTION										
Jan 2024	Practicing farmers & farm women	Timely management practices of rabi oilseeds and pulses	1	11	2	13	5	2	7	20
Feb 2024	Practicing farmers & farm women	Role of sulphur and boron for production of urdbean, mungbean and spring groundnut	1	10	2	12	8	0	8	20
June, 2024	Practicing farmers & farm women	Crop residue management of zaid crops and production technology of paddy	1	10	6	16	2	2	4	20
July, 2024	Practicing farmers & farm women	Production technology of Sesame and Pearl millet	1	10	6	16	2	2	4	20
Oct., 2024	Practicing farmers & farm women	Integrated crop management of mustard, gram & field pea	1	10	6	16	2	2	4	20
Nov., 2024	Practicing farmers & farm women	Crop residue management of kharif crops and production technology of late sown wheat	1	10	6	16	2	2	4	20
Dec., 2024	Practicing farmers & farm women	Weed and nutrient management of rabi crops	1	7	0	7	13	0	13	20
HORTICULTURE										
January, 2024	Practicing farmers & farm women	Integrated Nutrient Management in Okra, Bottle gourd, hybrid cucumber and Bitter gourd	1	10	6	16	2	2	4	20
March, 2024	Practicing farmers & farm women	Production of papaya with application of boron and magnesium sulphate	1	10	6	16	2	2	4	20
May, 2024	Practicing farmers & farm women	Production tech. of kharif onion and marigold	1	10	6	16	2	2	4	20
June , 2024	Practicing farmers & farm women	Integrated crop management in	1	10	6	16	2	2	4	20

		cucurbits								
June , 2024	Practicing farmers & farm women	Production Tech. of Gladiolus ,marigold and chrysanthemum	1	10	6	16	2	2	4	20
Sept. , 2024	Practicing farmers & farm women	Crop management of garlic and onion with sulphur and boron in sandy loam soils	1	10	6	16	2	2	4	20
Oct., 2024	Practicing farmers & farm women	Production techniques of hybrid Tomato	1	10	6	16	2	2	4	20
<b>SOIL SCIENCE</b>										
Feb. 2024	Practicing farmers & farm women	INM in vegetable crops for improving soil health	1	10	6	16	2	2	4	20
April 2024	Practicing farmers & farm women	Foliar application of major and micro nutrients in summer groundnut	1	10	6	16	2	2	4	20
June, 2024	Practicing farmers & farm women	Use of bio-fertilizers in different crops.	1	10	6	16	2	2	4	20
July 2024,	Practicing farmers & farm women	NADEP and Vermi compost production technique	1	10	6	16	2	2	4	20
Sept. 2024,	Practicing farmers & farm women	Integrated nutrient management in potato and rabi oilseeds	1	10	6	16	2	2	4	20
Dec., 2024	Practicing farmers & farm women	Role and use of micro nutrients in rabi crops	1	10	6	16	2	2	4	20
<b>ANIMAL HUSBANDRY</b>										
Feb. 2024	Practicing farmers & farm women	Steps for Clean & hygienic milk production vaccination scheduling	1	10	6	16	2	2	4	20
May, 2024	Practicing farmers & farm women	Care and disease management of milch animals during summer	1	10	6	16	2	2	4	20
July, 2024	Practicing farmers & farm women	Role of mineral mixture in dairy animals	1	10	6	16	2	2	4	20
August, 2024	Practicing farmers & farm women	Control of ecto and endo –parasites and hygienic milk production	1	10	6	16	2	2	4	20
Oct., 2024	Practicing farmers & farm women	Disease control in goats and infertility management of farm animals	1	10	6	16	2	2	4	20
Dec., 2024	Practicing farmers & farm women	Care and management of newly borne calve upto age of one years	1	10	6	16	2	2	4	20
<b>AGRICULTURE EXTENSION</b>										
July, 2024	Practicing farmers & farm women	Formation of farm science clubs and FPOs	1	10	6	16	2	2	4	20
Oct.,2024	Practicing farmers & farm women	Formation of self helps groups and FPOs	1	10	6	16	2	2	4	20
Nov., 2024	Practicing farmers & farm women	Capacity building of members of Kishan Vidyalaya	1	10	6	16	2	2	4	20

HOME SCIENCE										
Jan. 2024	Women farmers	Hand embroidery, knitting, weaving and drudgery reduction equipment for farm women	1	0	15	15	0	5	5	20
Feb.2024	Farm Women	Formation of SHGs based on agricultural activities	1	0	15	15	0	5	5	20
April 2024	Women farmers	Diet plan for school going children and Handicraft for income generation	1	0	15	15	0	5	5	20
June 2024	Women farmers	kitchen garden management and promotion of protein based diet for farm women	1	0	15	15	0	5	5	20
July 2024	Women farmers	Safe grain storage of zaid crops and Promotion of protein based diet in agricultural women	1	0	15	15	0	5	5	20
August 2024	Women farmers	Promotion of efficient diet and preservation of fruit vegetable	1	0	30	30	0	30	30	60
Nov. 2024	Women farmers	Value addition of Pearl millet, Groundnut and Garlic	1	0	45	45	0	20	20	64

**i) Vocational training programmes for RURAL YOUTH**

Date	Crop / Enterprise	Identified Thrust Area	Title of training	Duration (days)	No. of Participants			SC/ST participants			G Total
					M	F	Total	M	F	Total	
June, 2024	Organic input	Income generation	Prod. Tech. of Vermi compost, NADEP, Azolla	5	10	-	10	5	-	5	15
July, 2024	Groundnut	Seed	Seed production technology of kharif groundnut and pulses	5	14	2	16	3	1	4	20
Aug. 2024	Value addition	Income generation	Preparation of Aonla products for self employment generation	5	-	8	8	-	2	10	10



Sept., 2024	Nursery	Income generation	Nursery raising of winter season vegetables and mushroom production	5	16	-	16	4	-	4	20
Oct., 2024	Seed Production	Income generation	Seed production technique of rabi cereals crops	5	8	0	8	12	0	12	20
Nov., 2024	Live stock	Income generation	Goat and sheep farming	5	14	2	16	3	1	4	20
Dec. 2024	Value addition	Income generation	Preparation of garlic and groundnut products women empowerment	5	0	15	15	0	5	5	20

### 3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	8	200	50	250	11		11	211	50	261
Kisan Mela	8	4100	230	4330	42	5	47	4142	235	4377
Kisan Ghosthi	8	350	100	450	16		16	366	100	466
Exhibition				0			0	0	0	0
Film Show	5	210	40	250	10		10	220	40	260
Farmers Seminar				0			0	0	0	0
Workshop				0			0	0	0	0
Group meetings	8	85	20	105	5		5	90	20	110
Lectures delivered as resource persons	25	865	50	915	41		41	906	50	956
Newspaper coverage	49			0			0	0	0	0
Radio talks	3			0			0	0	0	0
TV talks	5			0			0	0	0	0

Popular articles	4			0			0	0	0	<b>0</b>
Extension Literature	6			0			0	0	0	<b>0</b>
<b>Advisory Services</b>	85			0			0	0	0	<b>0</b>
Scientist visit to farmers field	65	265	42	307	20	4	24	285	46	<b>331</b>
Farmers visit to KVK	50	123	15	138	42		42	165	15	<b>180</b>
Diagnostic visits	13	150	12	162	23	2	25	173	14	<b>187</b>
Exposure visits	2	120		120			0	120	0	<b>120</b>
Ex-trainees Sammelan	2	56	3	59	7	2	9	63	5	<b>68</b>
Soil health Camp	2	60	20	80	2		2	62	20	<b>82</b>
Animal Health Camp	2	80	30	110	10		10	90	30	<b>120</b>
				0			0	0	0	<b>0</b>
Agri mobile clinic	14	150	24	174	26	5	31	176	29	<b>205</b>
Soil test campaigns	4			0			0	0	0	<b>0</b>
Farm Science Club Conveners meet				0			0	0	0	<b>0</b>
Self Help Group Conveners meetings	3	24	5	29			0	24	5	<b>29</b>
Mahila Mandals Conveners meetings	2		25	25			0	0	25	<b>25</b>
Celebration of important days (specify)	4	234	16	250	25	4	29	259	20	<b>279</b>
Krishi Mohostva	2	230	14	244	4	8	12	234	22	<b>256</b>
Krishi Rath				0			0	0	0	<b>0</b>
Pre Kharif workshop	1	230	8	238	7	2	9	237	10	<b>247</b>
Pre Rabi workshop	1	140	20	160	8	2	10	148	22	<b>170</b>
PPVFRA workshop				0			0	0	0	<b>0</b>
Any Other (Specify)				0			0	0	0	<b>0</b>
<b>Total</b>	<b>381</b>	<b>7672</b>	<b>724</b>	<b>8396</b>	<b>299</b>	<b>34</b>	<b>333</b>	<b>7971</b>	<b>758</b>	<b>8729</b>

**3.5 Target for Production and supply of Technological products  
SEED MATERIALS**

Sl. No.	Crop	Variety	Quantity (qtl.)
1	Paddy	PB-1692	180
2	Til	Tarun	20

**PLANTING MATERIALS**

Sl. No.	Crop	Variety	Quantity (Nos.)
Fruit	Papaya	Pusa Nanha	200
<b>SPICES</b>			
Vegetables	Brinjal	High yielding varieties	5000
	Chilli./ Capsicum	High yielding varieties	5500
	Tomato,	High yielding varieties	5000
	Cauliflower	High yielding varieties	4000
	Cabbage	High yielding varieties	1000
	Cucurbits	High yielding varieties	600
<b>FOREST SPECIES</b>			
	Teak		500
<b>ORNAMENTAL CROPS</b>			
	Rose	Desi	200
	Annuals	Different species	1000
	Gladiolus and chrysanthemum		1200
		<b>Total</b>	<b>24200</b>

**Bio-products**

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>				
1	Vermicompost			600
2	Nadap			3000
3	Azola			100

**LIVESTOCK**

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle				
GOAT				
SHEEP				
POULTRY				
Pig farming				
FISHERIES				

**3.6. Literature to be Developed/Published**

**(A) KVK News Letter**

Date of start :

Number of copies to be published :

**(B) Literature developed/published**

S.No.	Topic	Number
1	Research paper each scientist	1
2	Technical reports	4
3	News letters	4
4	Training manual all discipline	3

5	Popular article	11
6	Extension literature	9
<b>Total</b>		<b>32</b>

**(C) Details of Electronic Media to be Produced**

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1			

**3.7. Success stories/Case studies identified for development as a case.**

: Capsicum & chrysanthemum production -

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
  - i) Social economic
  - ii) Bio-Physical
- f. Good Action Photographs

**3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers**

- a) Lectures
- b) Field visits
- c) Demo about technology

**Rural Youth**

- a) Lectures
- b) Field visit
- c) **Practical work**
- d) Case study and success stories

**In-service personnel**

- a) Lecturer /Training
- b) Demonstrations
- c) Visual Aids/ Literatures

**3.9 Indicate the methodology for identifying OFTs/FLDs**

**For OFT:**

- i) PRA Yes
- ii) Problem identified from Matrix
- iii) Field level observations Yes
- iv) Farmer group discussions Yes
- v) Others if any

**For FLD :**

- i) New variety/technology Yes
- ii) Poor yield at farmers level Yes
- iii) Existing cropping system
- iv) Others if any

**3.10 Field activities**

- i. Name of villages identified/adopted with block name (from which year)–  
Block Sultangang, Bewar, Mainpuri, Ghirror Village : Nagla Jhala, Udaipur, Pal ,Shahra, Barapur, N.Takan, Aucha ,  
Bhashuar, Aritjanj Hariharpur, N Kail, Lukharpura
- ii. No. of farm families selected per village : 10
- iii. No. of survey/PRA conducted : 5
- iv. No. of technologies taken to the adopted villages 12
- v. Name of the technologies found suitable by the farmers of the adopted villages: 12
- vi. Impact (production, income, employment, area /technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

**3.11. Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab:

**1. Year of establishment :2010**

**2. List of equipments purchase with amount**

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1			

**3. Targets of samples for analysis:**

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	1000	1000	60	
Water				

Plant				
<b>Total</b>	1000	1000	60	

#### 4.0 LINKAGES

##### 4.1 Functional linkage with different organizations

##### Functional linkage with different organizations

Name of the programme	Institution involved	Kind of linkages
ATMA , NFSM	Department of Agriculture, U.P.	Participation as resource person, Farm advisory services , Training to field personnel
Horticulture mission	Department of Horticulture, U.P.	Participation as resource person, Farm advisory services , Training to field personnel
Training , KishanMela, Krishak Ghosthi, Fieldday	UPBSN	Participation as resource person, Farm advisory services , Training to field personnel
Field outreach programme	KRIBHCO. IFFCO, NFL	Participation as resource person, Farm advisory services ,
Training	NABARD	Participation as resource person, Farm advisory services , Training to bankers
Training , Animal camp	Department of A.H., U.P.	Participation as resource person, Farm advisory services ,
Training , KishanMela, Krishak Ghosthi, Fieldday, Exposure visit	N.G.O.,Om gau seva samiti	Participation as resource person, Farm advisory services , Training to field personnel
Training	Soil Conservation Department , Mainpuri	Participation as resource person, Farm advisory services , Training to field personnel

##### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district - Yes

S. No.	Programme	Nature of linkage
1	Training	Participation
2	Meeting, Demonstration, field visit , Gosthies, Kisan Mela	Participation
3	Farmer Scientist Interaction	Participations

##### 4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Training programme	Official
2		

##### 4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1	Training	Participation in training
2	Krishak Gosthi	Participation in Gosthi

##### 5.0 Utilization of hostel facilities

Farmers hostel is presently used as office building

##### 6.0 Convergence with departments :

##### 7.0 Feedback of the farmers about the technologies demonstrated and assessed :

##### 8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities

# ACTION PLAN ON NARI PROJECT - 2024

## 1. On Farm Trial

1	Crop/Enterprise	wheat
2	Title	Improvement of Health status of farm women through blended wheat flour
3	Problem diagnosed	Low nutritional status of farm women
4	Production system and thematic area	Food security
6	Source of technology	CSAU&T, Kanpur
7	No. of Farmers	10
8	Critical input	Fortified wheat flour
9	Details of technologies selected for assessment / refinement	
10	Treatment	T <sub>1</sub> : Farm women practice (Wheat flour) T <sub>2</sub> : Fortified wheat flour (65%Wheat + 15%Gram +10%jwar+ 5%soyabean+5%Bajra)
11	Performance Indicators	
	Technical	1 – BMI index 2 – Sensory evaluation
	Economic	1.B:C ratio
	Social	1 –Acceptability 2 – Change in physiological status after 3 month consumption of blended wheat flour by farm women

## 2. Front line demonstration

Enterprise	Variety	No. of farmers	No. of Units	Critical inputs	Performance parameters / indicators
Nutritional kitchen gardening to enhance health status of family	Improved variety of vegetables	20	20	Seed + Bio-Pesticide	1.vegetable intake/day 2.social acceptance 3.B:C ratio

## 3. Capacity building programs and awareness programs

Sl. no	Particulars
1	Household food security by nutritional gardening
2	Design and development of low cost diet of local available resources
3	Designing and development for high protein efficient diet for rural women
4	Minimization of nutrient loss in processing of vegetables & fruits
5	Improvement of health status of farm women through fortified food
6	Empowerment of rural women through SHGs
7	Multigrain nutritional recipes for women from locally available resources
8	Income generation activities for empowerment of rural youth
9	Value addition of ground nut
10	Formation of iron rich diet for preventing anemia in rural women
11	Drudgery reducing equipments for farm women.
12	Value addition of vegetables
13	Value addition of fruits

=XX==

# ACTION PLAN OF KVK FIROZABAD

(1<sup>st</sup> January 2024 to 31<sup>st</sup> December 2024)

## 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
KVK, Hazaratpur, P.O. – Ussaini, Firozabad	Office	FAX	<a href="mailto:kvkfirozabad@rediffmail.com">kvkfirozabad@rediffmail.com</a>	www.firozabad.kvk4.in
	05612-276043		<a href="mailto:kvkfirozabad@gmail.com">kvkfirozabad@gmail.com</a>	

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

Address	Telephone		E mail	Website
	Office	FAX		
Directorate of Extension, CSAUA&T, Kanpur-208002	0512-2534155	0512-2533808	directcsau@gmail.com	Under process

1.2.b. Status of KVK website : Yes/No; Date when the website last updated: <http://atarikanpur.icar.gov.in>

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : **No**

1.2.d Status of ICT lab at your KVK : **No**

a) No. of PC units : 2

b) No. of Printers : 3

c) Internet connection : Yes

### 1.3. Name of the Programme Coordinator with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Asha Yadav	05612-276043	9411465585	<a href="mailto:kvkfirozabad@rediffmail.com">kvkfirozabad@rediffmail.com</a> , <a href="mailto:kvkfirozabad@gmail.com">kvkfirozabad@gmail.com</a>

1.4. Year of sanction: 2005

1.5. Staff Position (as on 31<sup>st</sup> September, 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent / Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	1	Dr. Asha Yadav	Sr.Scientist	H.Sc	131400-210800 Level-13A	204100	25.11.1991	P	OBC	9411465585	Asha.csau@gmail.com	
2	1	Dr. Omkar Singh Yadav	Scientist	AH	68900-205500 Level-12	101100	11.04.2008	P	OBC	9412458331	okyadav@gmail.com	
3	1	Sri Subhash Chandra	Scientist	Horti.	68900-205500 Level-12	95300	25.04.2008	P	Other	9412591679	Subhashchandrakv1@gmail.com	
4	1	Dr. Naushad Alam	Scientist	Extension	68900-205500 Level-12	107200	29.12.2001	P	OBC	7007939535	<a href="mailto:naushad_alam168@yahoo.com">naushad_alam168@yahoo.com</a> attached from KVK, Fatehpur	
5		Vacant	Scientist	Extension								
6		Vacant	Scientist	Agroonomy								
7		Vacant	Scientist	Plant Protection								
8		Vacant	Scientist	Home Science								
9	1	Sri Rajesh Kumar Dwivedi	Computer Programmer		47600-151100	76500	22.09.2001	P	Other	7379133833	rkdwivedinetcentric@gmail.com	
10	1	Shri Nagendra Pratap Singh	Stenographer		47600-151100 Level-8	76500	31.01.1992	P	GEN	8726384568	Nagensra.singh.0218@gmail.com	
11	1	Sri Bajrangi	Jeep Driver	-	35400-112400	39200	07.05.2005	P	OBC	9207661982		
12	1	Ramesh Chandra	Attend.		29200-92300 Level-5	30200	01.08.2008	P	GEN	7234037336		
13	1	Sri Amit Kumar	Attend.	-	18000-56900	21500	12.04.2017	P	OBC	8791752427		
14	1	Vacant	Train. Asstt.	Soil Lab		-	-	-	-	-	-	-
15	1	Vacant	Farm Manager			-	-	-	-	-	-	-
16	1	Vacant	Accountant / Superintendent	-		-	-	-	-	-	-	-
17	1	Vacant	Tractor Driver	-								



**1.6. Total land with KVK (in ha) :**

S. No.	Item	Area (ha)
1	Under Buildings	0.60
2.	Under Demonstration Units	0.16
3.	Under Crops	0.80
4.	Horticulture	0.04
5.	Pond	0.05
6.	Others if any (Ravines)	18.35

**1.7. Infrastructural Development:**

**A) Buildings**

S. No.	Name of building	Source of funding		Stage					
		ICAR	RKVY	Complete			Incomplete		
				Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR		2020	378.00	-	Oct. 2008		
2.	Farmers Hostel	ICAR			412.55		May 2008		
3.	Staff Quarters (6)	ICAR		2020	323.00	-	May 2008		
4.	Demonstration Units (2)	ICAR		2020	159.00		Oct. 2008		
5	Fencing	ICAR							
6	Rain Water harvesting system	ICAR							
7	Threshing floor	ICAR							
8	Farm godown	ICAR		2020	54.0		Oct. 2008		
	Other								
9									
10									

**B) Vehicles**

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on March, 2023	Present status
Bolero Jeep (UP-78 FS-1038)	2019	ICAR	800000.00	57750	Good condition
Tractor	2005	ICAR	--		Good condition
Motor cycle	2010	ICAR	49000.00	79470	Good condition
Cycle Hercules	2011	ICAR	3500.00		Repairable

**C) Equipments& AV aids**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Computer (HCL)	April, 2009	27140.00	Working condition
Printer (Konica Minolka)	April, 2009	22086.00	Not working
Printer (HP)	March, 2010	4949.00	Not working
Printer laserjet M1136 (HP)	March, 2012	15000	Working condition
Camera 110Codak digital	March1102012	6600	Battery not working
Handy cam Sony	March, 2012	19990.00	Working condition
Canon printer (MP287)	May 2013	4200	Not Working
Camera Sony	March 2014	7200	Not Working condition

Lap Top Dell VOSTRO	March 2014	39000	Working condition
Biometrics	March 2014	20000	Not Working
Desktop computer (acer)	March 2016	40425	Good condition
Multimedia Projector W x GA 3000 (Luminus Epson)	March 2016	33835	Good condition
Projector screen 6 x 4 self locked (Liberty Wall meult)	March 2016	4500	Good condition
Canon Pixma inkjet printer	February 2017	10800	Good condition
Lap Top HP	December 2020		Good condition
Printer laserjet M1136 (HP)	December 2020		Good condition

#### 1.8. A). Details of SAC meetings to be conducted in the year

Sl.No.	Date
1. Scientific Advisory Committee	

0

## 2. DETAILS OF MICRO-FARMING SITUATIONS OF THE DISTRICT

### 2.1 Micro-farming situations

#### a) Characteristics

S.No.	Agro-Ecological situations (AES)	Existing Farming System (Crop+livestock+others)	Major soil types
1	AES 1 (Tundla, Firozabad, Narkhee)	<i>Agriculture, AH, Vegetable</i>	Sandy soil
2	AES 2 (Shikohabad, Madanpur, Eka)	<i>Agriculture &amp; AH</i>	Loam soil
3	AES 3 (Hathvant, Araon, Jasrana)	<i>Agriculture, AH &amp; Horticulture</i>	Clay loam

#### b) Land Characteristics

S.No	Agro-Ecological Situation (AES)	Topography	Drainage
1.	AES-1 (Tundla, Firozabad, Narkhee)	Sandy loam. Low in fertility, tube well irrigated with brakish water	well drained
2.	AES-2 (Shikohabad, Madanpur, Hathvant )	Ranges from loam to sandy loam, low in fertility, tube well and canal irrigation.	well drained
3.	AES-3 (Eka, Araon, Jasrana)	Loam, sandy loam and claying in nature, fertile, tube well and canal irrigation with some area affected from salts.	Poor drainage

#### c) AES-wise major problems

S.No	Agro-Ecological Situation (AES)	Major problems	Rank
1.	AES-1 (Tundla, Firozabad, Narkhee)	Low in fertility, brakish water, water Scarcity.	II
2.	AES-2 (Shikohabad, Madanpur, Hathvant)	Weed infestation, water Scarcity.	III
3.	AES-3 (Eka, Araon, Jasrana)	Low in fertility, water lodged and poor in drainage.	I

## 2.2. Area, Production and Productivity of major crops cultivated in the district (2020)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)	Yield gap (q/ha) with respect to demo	Yield gap (q/ha) with respect to potential yield
<b>Kharif (2023)</b>						
1	Rice	23313	77756	33.35	13.25	0.3
2	Maize	9553	37370	39.12	22.88	-2.0
3	Bajra	81499	233253	28.62	3.68	1.7
4	Urd	1014	703	6.93	2.07	3.68
5	Moong	315	196	6.22	2.48	3.17
6	Arhar	1486	2907	19.56	-	-
7	Til	2335	133	0.57	4.64	12.41
8	Ground nut	293	914	31.39	-	-
9	Jwar	112	116	10.36	-	-
<b>Rabi (2022-23)</b>						
1.	Wheat	93461	960409	38.56	19.94	6.2
2.	Barley	8203	30206	36.82	-	-
3.	Gram	720	1267	17.60	0.7	3.7
4.	Pea	683	1106	16.19	1.9	3.0
5.	Lentil	23	26	11.30	0.9	7.8
6.	Mustard/Toria	13535	25228	18.64	6.76	2.6
<b>Vegetables and Fruit (2022-23)</b>						
1	Potato	53550	1444500	250	7.0	43.0
2	Cabbage	5591	111820	200	-	-
3	Pea	410	12300	300	-	-
4	Carrot	170	6800	400	-	-
5	Radish	90	2700	300	-	-
6	Tomato	415	18675	450	-	-
7	Chilli	4850	121250	200	-	-
8	Coriander	125	875	70	-	-
9	Fenugreek	35	245	70	-	-
10	Onion	305	9150	300	5.0	45.0
11	Bottle Gourd	550	13750	250	-	-
12	Sponge Gourd	650	13000	200	-	-
13	Bitter Gourd	450	9000	200	-	-
14	Cucumber	842	25260	300	-	-
15	Water Melon	800	22400	280	-	-
16	Musk Melon	1200	30000	250	-	-
17	Garlic	5591	111820	80	15.0	55
18	Simila Mirch	4550	113750	250	65.0	20.0
19	Colocassia	149	2980	200	-	-
20	Spinach	110	2200	200	-	-
21	Sweet Potato	220	4400	200	-	-
22	Ribs Gourd	350	8750	250	-	-
23	Papaya	28	1120	400	-	-
24	Ber	301	6020	200	-	-
25	Alum	15	105	70	-	-
26	Mango	578	23120	400	-	-
27	Aonla	232	5800	250	-	-
28	Leman	120	3600	300	-	-
29	Banana	35	1225	300	-	-
30	Guava	585	16380	400	-	-

Source: District agriculture department.

### 2.3. Weather data (2022-23)

Year	Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2023	January	49.42	22.2	9.8	99.7	46.0
	February	52.62	26.1	12.8	94.5	40.1
	March	0.0	33.1	18.5	85.7	25.2
	April	1.75	39.5	26	78.2	14.4
	May	6.90	43.3	31	69.6	16.8
	June	138.80	42.3	32.7	93.6	28.3
	July	161.62	42.3	29.8	96.7	46.8
	August	221.94	34.4	27.8	95.7	59.9
	September	0.0	34.0	24.0	97.1	46.0
<b>Total</b>						

### 2.4 Production and productivity of livestock, Poultry, Fisheries etc. in the district (2022)

Category	Population	Production	Productivity	Productivity gap
<b>Cattle</b>				
Crossbred	8660			
Indigenous	20977			
<b>Buffalo</b>	152335			
<b>Sheep</b>	14228			
<b>Goats</b>	95210			
<b>Cattle</b>	25729			
<i>Crossbred</i>	620			
<i>Indigenous</i>	25109			
<b>Pigs</b>				
<b>Poultry</b>				
Hens	40450			
<i>Desi</i>	10025			
<b>Category</b>		<b>Production (q)</b>	<b>Productivity</b>	
Fish (Reservoir)	457.423	1375 mt	30.05 qt/ha	

\*Statistical report

## 2.5 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Existing yield (q/ha, number/year)	Major problem identified	Identified Thrust Areas
Firozabad	Firozabad	Fulaichi, Gudaoo, , N. Khar, Ulao, Usaini, Rupaspur, Nagla Mavasi, Undhani, Hamirpur, nagla Chironji, Peetamgarh, Alahdadpur, Nagau, Nagla Harish Chand and Nagla Hansi	Natural Farming Bajra, potato, wheat, mustard		1. Imbalance use of fertilizer in wheat crop. 2. Over dosing of fertilizer in potato.	1. Integrated Plant Nutrient Management 2. Recommended dose of fertilizers.
Shikohabad	Shikohabad	Karanpur, Tatarpur, Asharawali, Muwarakpur, G. dansey, Nasirpur, Dahini, Rudhau, Atapur, Govindpur, Gagai	Natural Farming Potato, wheat, garlic, paddy, bajra, mustard,		3. Black scarp, early and late blight in potato crops.	3. Integrated disease management.
Jasarana	Jasarana, Hathwant, Eka	Salempur, Kutubpur, Hamirpura, Kaitaina Harsa, Santhi Banipur Bahat, Muhammadpur, Kheria, Katana, , paliya khurd, Nagla Bali, Nagla Gaju, Nagla Muhari, Fatehpur, Utarara, Nagla Jaiya, Hardaspur, Thanumai	Natural Farming Paddy, wheat, bajra, potato, Tomato		4. Micro nutrients (Zn, S, Bo, & Mo) deficiency in soil. 5. Unavailability of quality seeds. 6. No use of Bio-fertilizer. 7. Weeds infestation in paddy and Garlic.	4. Application of micronutrient according to soil test. 5. Quality seed production. 6. Promotion of bio-fertilizers. 7. Integrated weed management.
Tundla	Tundla, Narkhi	N. Udai, Kutukpur, Jarkhi, Asan, Tikari, Hazratpur, Bankat, Husainpur, Kheria, Mohammadabad, Bachganv, Madawali, Chulhawali, Narkhi, SriRam Garhi, Dinoli, Bheekanpur, Nagla Koom, Nagla Ballu, Gari Bhau, Siroliya, Rampur, Asan	Natural Farming Wheat, potato, mustard, bajra, till, cauliflower, Brinjal, Shimla Mirch		8. Mortality of buffalo calves. 9. Sterility of animals. 10. Lack of green fodder. 11. Awareness of Natural Farming	8. Deworming and proper colostrums feeding of calves. 9. Balance feeding of animals. 10. Promotion of green fodder in whole year.
Sirsaganj	Araon, Madanpur	Kishrano, Nagla Radhey, Kaprawali, Pindsara, Tatarpur, Singemai, Sothara, Dharmai, Omari, Nagla Bagh, Nagla Hal	Natural Farming Potato, Tomato, Cabbage, Bajra, Maize, Urd, Moong			11. Awareness of Natural Farming

## 2.6 Top five major priority thrust areas:

S. No	Thrust area
1.	Soil health and water management.
2.	Integrated plant nutrient management.
3.	Integrated pest management.
4.	Integrated disease management.
5.	Animal nutrition and disease management
6.	Seed treatment with fungicides, insecticides & Rhizobium culture.
7.	Quality seed production.
8.	Inadequate knowledge and adoption about improved technology.
9.	In-situ crop residue management.
10.	To introduce improved varieties of fruits & vegetables.
11.	Integrated weed management
12.	Natural Farming

## 3. TECHNICAL PROGRAMME

### 3 A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
05	25	23.88	72
		CFLD	
		110.00	350

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
59	1540	180	7760

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
150	25000	0	400

### 3 B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Soil & Water conservation	Sesamum	Drought spell		Introducing of high yielding variety of til	Cultivation of Sesamum in drought in condition	Cultivation of Sesamum in drought in condition	Field days	Seed
2	IPNM	Wheat,  Mustard,	Imbalance fertilizer and more cost of cultivation  Low yield due to old variety	Nutrient management	HYV in wheat and Mustard HYV, IPNM	IPNM in wheat and mustard crop	IPNM in wheat and mustard crop	Field days	Seed
3	IWM	Paddy, Maize and wheat	Low yield of Paddy		Weed management in Paddy	Weed management in Paddy	Weed management in Paddy	Field days	Weedicides and seed
4	Improved varieties of fruits and vegetables	Kheera, Brinjal, Shimla Mirch and Potato	Using no suitable varieties	Assessment of variety Potato and Garlic	Cultivation of vegetables crop	Vegetable production	Vegetable production	Field days and Kisan goshthies	Seedling, planting materials of improved varieties
5	Green and black gram production	Black gram, green gram	Low yield due to Yellow mosaic		Moong and Urd production technology	Production technique of Urd & Moong	Production technique of Urd & Moong	Field day	Seed
6	Natural Farming	Cereal, oilseed, Pulses & Vegetable	High cost of cultivation and poor quality of Produce	Natural Farming	Natural Farming	Natural Farming	Natural Farming	Field days and Kisan goshthies	Jeevamrit, Beejamart, Ghanjivamrit
7	Cropping System	Cereal, oilseed, Pulses & Vegetable	Low Income	Cropping System	Cropping System	Cropping System	Cropping System	Field days and Kisan goshthies	Seed
8	Animal nutrition and disease management	Buffalo and goat	Occurrence of HS disease and end parasites	Assessment of Conventional and bye-pass Animal Feed to enhancing Milk Yield.  Assessment of UMMB animal feed supplementati on to control the infertility.	Vaccination of buffalo  Deworming and PPR vaccine	Balanced ration for milch buffaloes and goats  Disease management Dairy & poultry farming	Balanced ration for milch buffaloes and goats  Disease management Dairy & poultry farming	Vaccination and dewormer Ing and animal camp,field day	Vaccine, dewormer
9	Establishment of nutritional garden	Kitchen gardening	Less availability of fresh and nutritive vegetables	-	Kitchen ardening	Nutritional garden managemen t	Nutritional garden management	Field days	Seed and planting materials

### 3.1 Technologies to be assessed

#### A.1 Abstract on the number of technologies to be assessed in respect of **crops**

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										
1Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management		1								1
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management										
Integrated Disease Management					2					2
Resource conservation technology										
Small Scale income generating enterprises										
<b>TOTAL</b>										<b>3</b>

#### A.2. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder	2							2
Small Scale income generating enterprises								
<b>TOTAL</b>								<b>2</b>

**Note- See PRA Report on Annexure – II**

### B. Details of On Farm Trial (at least 3-4 OFTs shall be composite in nature)

#### OFT-1 (Potato)

<b>1.</b>	<b>Title</b>	:	Management of Black scurf in potato.
<b>2.</b>	<b>Major Problem</b>	:	Poor quality of tubers due to Black scurf disease resulted low market prices.
<b>3.</b>	<b>Major Cause</b>	:	Presence of Rhizoctonia solani fungus in the soil. Farmers are not adopted crop rotation.
<b>4.</b>	<b>Farming situation</b>	:	Irrigated, upland, sandy loam soil
<b>5.</b>	<b>Production System</b>	:	Potato – Maize & Potato – Bajra based
<b>6.</b>	<b>Details of technologies selected for assessment :</b>		
	Treatments: T <sub>1</sub> – Farmers' practice (Seed treatment by Dithane Z 78 ) T <sub>2</sub> – Soil Treatment by Tricoderma @ 5 kg/ha and seed treatment by Thiophanate methyl 70% wp @ 2 gm/liter water		



<b>7.</b>	<b>Source of technology</b>	:	ICAR - CPRS, Modipuram, Meerut (U.P.)
<b>8.</b>	<b>Number of farmers</b>	:	05
<b>9.</b>	<b>Critical input</b>	:	Fungicide & Bio-fungicide
<b>10</b>	<b>Total cost of OFT</b>	:	Rs 5000/-
<b>11.</b>	<b>Performance of the Technology with performance indicators</b>		
	<b>Technical</b>	:	Disease infestation Percentage, Tuber size and weight.
	<b>Economics</b>	:	1. Yield q/ha. 2. Gross return 3. Net return Rs./ha 4. Cost benefit ratio
<b>12</b>	<b>Social</b>	:	Acceptability and Farmers reaction

## OFT-2 (Shimla Mirch)

<b>1.</b>	<b>Title</b>	:	Management of Root rot and Stem rot disease in Shimla Mirch
<b>2.</b>	<b>Major Problem</b>	:	Low production of Shimla Mirch due to root rot and stem rot disease.
<b>3.</b>	<b>Major Cause</b>	:	High infestation due to phytophthora sojae fungus.
<b>4.</b>	<b>Farming situation</b>	:	Irrigated, upland, sandy loam soil
<b>5.</b>	<b>Production system</b>	:	Maize and Bajra based
<b>6.</b>	<b>Details of technologies selected for assessment :</b>		
	<b>Treatments:</b> T <sub>1</sub> – Farmers’ practice (No soil treatment, Use of fungicide Vetavax on occurrence of disease) T <sub>2</sub> – Soil treatment by trichoderma @ 5.0 Kg/ha with 125 Kg. FYM at the time of ploughing and spray of Hexaconazole 5% + Validamycine 2.5 % SL @ 1.0 liter/ha after 25-30 days transplanting.		
<b>7.</b>	<b>Source of technology</b>	:	ICAR-IIVR, Varanasi.
<b>8.</b>	<b>Number of farmers</b>	:	05
<b>9.</b>	<b>Critical input</b>	:	fungicide and Trichoderma
<b>10.</b>	<b>Total cost of OFT</b>	:	Rs 6000
<b>11.</b>	<b>Performance of the Technology with performance indicators</b>		
	<b>Technical</b>	:	Disease infestation percentage, Fruits size and weight.
	<b>Economics</b>	:	1. Yield q/ha. 2. Gross return 3. Net return Rs./ha 4. Cost benefit ratio
<b>12.</b>	<b>Social</b>	:	Acceptability and Farmers reaction

## OFT-3 (Buffalo)

1.	Title	:	Management of low milk yield in buffalo
2.	Major Problem	:	Low milk production
3.	Major Cause	:	Mall nutrition due to poor feeding
4.	Livestock farming system	:	Mixed farming
5.	Thematic area	:	Feeding management
6.	Details of technologies selected for assessment :		
	<b>Treatments:</b> T <sub>1</sub> – Farmers' practice : (Conventional feed) T <sub>2</sub> – Use of by-pass protein @ 0.5 kg/day/animal		
7.	Source of technology	:	ICAR-NDRI, Karnal
8.	Number of farmers/animals	:	5 + 5 (homogenous group of animal)
9.	Duration	:	90 days
10.	Cost of critical input for individual animal	:	3600/Animal
11.	Performance of the Technology with performance indicators		
	Observation to be recorded	:	<ul style="list-style-type: none"> <li>• Daily milk yield</li> <li>• Fat%</li> <li>• SNF%</li> <li>• B:C ratio</li> </ul>
12.	Total cost of OFT	:	Rs 18000/-

## FT -4 (Cow)

1.	Title	:	Management of repeat breeding in cattle
2.	Major Problem	:	Failure to conceive from 3 or more consecutive services
4.	Livestock Farming system	:	Mixed farming
5.	thematic area	:	Reproduction & breeding management
6.	Details of technologies selected for assessment :		
	<b>Treatments:</b> T <sub>1</sub> – Farmers' practice ( Only use of Concentrate and Fodder)		

	T <sub>2</sub> – Dewormer+ Trace Minerals + GnRH Analogue (100 micro gm 1time or 2 ml/Animal)		
7.	Source of technology	:	ICAR-IVRI, Izatnagar , Bareilly
8.	Number of farmers/animals	:	05 + 05 (homogenous group of animals)
9.	Duration	:	90 days
10.	Cost of critical input for individual animal	:	Rs. 1200/ Animals
11.	<b>Performance of the Technology with performance indicators</b>		
	Performance indicator	:	<b>A) Technical observation</b> <ul style="list-style-type: none"> <li>Onset of estrous period</li> <li>Non-return rate</li> <li>Service period</li> <li>Conception rate</li> <li>Settling period</li> <li>Service/ conception</li> </ul> <b>B ) Economic indicator</b> <ul style="list-style-type: none"> <li>B:C ratio</li> </ul> <b>C) Farmer's reaction</b> <ul style="list-style-type: none"> <li>Acceptability of technology</li> </ul>
12.	Total cost of OFT	:	Rs 6000/-

### OFT-5 (Mustard)

1.	Title	:	Management of Sclerotinia rot of Mustard.
2.	Major Problem	:	Low yield of Mustard due to disease
3.	Major Cause	:	Low yield of Mustard due to Sclerotinia rot disease
4.	Farming situation	:	Irrigated, up and semi upland, sandy loam soil
5.	Production system	:	Maize – Mustard based
6.	<b>Details of technologies selected for assessment :</b>		
	<b>Treatments:</b> T <sub>1</sub> – Farmer Practice- Use of Mancozeb after appearance of disease T <sub>2</sub> – Soil application of trichoderma @ 5 kg/ha, seed treatment with Trichoderma @ 10g/kg seed and spray of Carbendazim @ 2g/ltr of water at appearance of disease		
7.	Source of technology	:	ICAR -DRMR, Bharatpur
8.	Number of farmers	:	05
9.	Critical input	:	Seed, Trichoderma and Carbendazim

<b>10.</b>	<b>Total cost of OFT</b>	:	Rs 6000
<b>11.</b>	<b>Performance of the Technology with performance indicators</b>		
	<b>Technical</b>	:	Number of Branches /plant /sq.m area Disease infestation
	<b>Economics</b>	:	1. Yield q/ha. 2. Gross return 3. Net return Rs./ha 4. Cost benefit ratio
<b>12.</b>	<b>Social</b>	:	Acceptability and Farmers reaction

### 3.2 Frontline Demonstrations

#### A. Details of FLDs to be organized -

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers / demon.	Parameters identified (Yield related attributes, yield economics and farmers' perception)
1	Paddy	Crop Production	<ul style="list-style-type: none"> <li>IWM</li> <li>IDM</li> <li>VE</li> </ul>	Seed, Nomini gold and fungicide	Kharif-24	5.0	13	Weed & disease infestation % and yield
2	Wheat	Crop Production	<ul style="list-style-type: none"> <li>IWM</li> <li>IPNM</li> </ul>	Seed weedicide	Rabi -24	10.0	25	Yield & weed infestation%
3	Pearl Millet	Crop Production	<ul style="list-style-type: none"> <li>VE</li> <li>IPNM</li> </ul>	Variety Seed Micro-Nutrients	Zaid-24	04.0	10	Yield q/ha. Disease infestation Percentage
4	Garlic	Spices production	<ul style="list-style-type: none"> <li>IWM</li> <li>IPNM</li> </ul>	Weedicides Micro nutrient	Rabi -24	1.0	5	Yield and weed infestation %
5	Pumpkin	Vegetable Production	<ul style="list-style-type: none"> <li>IPNM</li> </ul>	Variety Seed Micro-Nutrients	Zaid-24	1.6	4	Yield & disease infestation
6	Tomato	Vegetable Production	<ul style="list-style-type: none"> <li>IPNM</li> </ul>	Variety Seed Micro-Nutrients	Kharif-23	1.0	5	Yield & disease infestation
7	Cauli Flower	Vegetable Production	Varietal Girija/Nuzu bidu 250	Seed	Kharif-24	0.24	3	Yield q/h weight and size of cauliflower
8	Brinjal	Vegetable Production	Varietal Navkiran/Rubi	Seed	Kharif-24	0.24	3	Yield q/h., Size & weight of Fruit.
9	Potato	Tuber Crop Production	<ul style="list-style-type: none"> <li>IDM</li> </ul>	IDM Hexaconazol/ Carbendazim	Rabi-24	0.80	4	Yield q/ha. Disease infestation Percentage
				<b>Total</b>		<b>23.88</b>	<b>72</b>	

#### Cluster demonstration of oilseed and pulses under NFSM (2024-25)

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of Farmer / Demo.	Parameters identified
1	Urd Bean	IPU 13-1	Pulse production	<ul style="list-style-type: none"> <li>IDM</li> <li>IPNM</li> </ul>	Seed and bio fungicide	Zaid 2024	20 ha.	50	Yield and disease infestation %
2	Moong Bean	IPM 512-1 Surya	Pulse production	<ul style="list-style-type: none"> <li>IDM</li> <li>IPNM</li> </ul>	Seed and bio fungicide	Spring 2024	20 ha.	125	Yield and disease infestation %
3	Sesamum	GJT-5	Sesamum production	<ul style="list-style-type: none"> <li>IDM</li> <li>IPNM</li> </ul>	Seed and bio fungicide	Kharif-24	20 ha.	50	Yield and disease infestation %

4	Urd B Bean	IPU 13-1	Pulse production	• IDM • IPNM	Seed and bio fungicide	Kharif 2024	10 ha.	25	Yield and disease infestation %
5	Moong Bean	MH 1142	Pulse production	• IDM • IPNM	Seed and bio fungicide	Kharif 2024	10 ha.	25	Yield and disease infestation %
6	Mustard	DRMR 1165-40	Oile Seed production	• IDM	Seed and Sulphur	Rabi 2024	30 ha.	75	Yield and disease infestation %
					<b>Total</b>		<b>110.00</b>	<b>350</b>	

### Sponsored Demonstration

Crop	Area (ha)	No. of farmers
Maize	1.0 ha.	5.0
Bajra	1.0 ha	5.0
Mustard	1.0 ha	5.0
Vegetable	1.0 ha	5.0

### B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	09	Oct., March, April	350
2	Farmers Training	07	June, Sep., Oct, Feb	150
3	Media coverage	15	Oct., Feb, March, April	Mass
4	Training for extension functionaries	03	May, June, Oct	60

### C. Details of FLD on Enterprises

#### (i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators

#### (ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Buffalo	Murrah type/local	110	250	HS Vaccine	Occurrence of disease
Goat	Local / Barbari	40	150	PPR Vaccine	Occurrence of disease
Buffalo/Cow	Crossbred / Murrah type	50	200	Dewormer and Mineral Mixture	Occurrence of disease

#### (iii) Home Science

Name of the enterprise	Crop	Season and year	No. of Farm women	Area (Sqm)	Critical inputs	Data on parameter in relation to technology demonstrated	
						Yield	
						Demon.	Local check
Kitchen Garden	Nutritional Garden	Rabi-24	06	900	Seed and Seedlings		

### 3.3 Training (Including the sponsored and FLD training programmes):

#### A) ON Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management								
Resource Conservation Technologies	1	30	10	40	-	-	-	40
Cropping Systems	1	15	5	20	5	-	5	25
Crop Diversification								
Site specific nutrient management								
Integrated Farming	1	30	10	40	-	-	-	40
Water management								
Seed production								
Nursery management								
Integrated Crop Management	1	15	5	20	5	-	5	25
Fodder production								
Production of organic inputs	4	60	30	90	20	10	30	120
Natural farming								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	35	10	45	5	-	5	50
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	2	20	10	30	10	-	10	40
Natural farming								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards	1	25	10	35	-	-	-	35
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								

Nursery management								
Production and management technology								
Post harvest technology and value addition								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
<b>IV Livestock Production and Management</b>								
Dairy Management	1	10	5	15	5	-	5	20
Poultry Management	1	10	5	15	5	-	5	20
Piggery Management								
Rabbit Management/goat	1	10	5	15	5	-	5	20
Disease Management	1	20	10	30	5	5	10	40
Feed management	1	10	5	15	5	-	5	20
Production of quality animal products	1	20	10	30	5	5	10	40
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	5	15	20	2	3	5	25
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition	3	10	30	40	7	13	20	60
Income generation activities for empowerment of rural Women	1	5	10	15	2	3	5	20
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care								
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
<b>VII Plant Protection</b>								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
<b>VIII Fisheries</b>								
Integrated fish farming								
Carp breeding and hatchery management								

Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
<b>IX Production of Inputs at site</b>								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	1	10	5	15	5	-	5	20
Group dynamics								
Formation and Management of SHGs/FPOs etc								
Mobilization of social capital								
Entrepreneurial development of farmers/youths								
WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>25</b>	<b>340</b>	<b>190</b>	<b>530</b>	<b>91</b>	<b>39</b>	<b>130</b>	<b>660</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	1	10	5	15	5	-	5	20
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	1	10	5	15	5	5	10	35
Training and pruning of orchards								
Value addition	1	5	10	15	2	3	5	20
Production of quality animal products								
Dairying	1	10	5	15	5	5	10	25
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								



Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology	1	5	10	15	2	3	5	20
Tailoring and Stitching								
Rural Crafts								
<b>TOTAL</b>	<b>5</b>	<b>40</b>	<b>35</b>	<b>75</b>	<b>19</b>	<b>16</b>	<b>35</b>	<b>120</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	1	20	-	20	5	-	5	25
Integrated Pest Management								
Integrated Nutrient management	1	20	-	20	5	-	5	25
Rejuvenation of old orchards	1	15	-	15	5	-	5	20
Protected cultivation technology								
Formation and Management of SHGs	1	-	10	10	-	10	10	20
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals	1	15	5	20	5	-	5	25
Livestock feed and fodder production	1	15	-	15	5	-	5	20
Household food security	1	5	10	15	2	3	5	20
Women and Child care	1	-	15	15	-	5	5	20
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Seed Production	1	20	-	20	5	-	5	25
Hi-Tech nursery management	1	15	-	15	5	-	5	20
Micro irrigation	1	15	-	15	5	-	5	20
Any other (Pl. Specify)								
<b>TOTAL</b>	<b>11</b>	<b>140</b>	<b>40</b>	<b>180</b>	<b>42</b>	<b>18</b>	<b>60</b>	<b>240</b>
<b>G. Total</b>	<b>37</b>	<b>425</b>	<b>265</b>	<b>690</b>	<b>117</b>	<b>73</b>	<b>190</b>	<b>880</b>

## B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	1	15	5	20	5	-	5	25
Resource Conservation Technologies	1	20	10	30	5	5	10	40
Cropping Systems								
Crop Diversification	1	20	10	30	5	5	10	40
Integrated Farming								
Water management	1	15	5	20	5	-	5	25
Seed production								
Nursery management								
Integrated Crop Management								
Fodder production								
Production of organic inputs								
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	2	30	10	40	10	-	10	50
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli	1	15	5	20	5	-	5	25
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
<b>b) Fruits</b>								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards	1	15	5	20	5	-	5	25
Plant propagation techniques								
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology								
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
<b>III Soil Health and Fertility Management</b>								

Soil fertility management	1	15	5	20	5	-	5	25
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
<b>IV Livestock Production and Management</b>								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management /goat								
Disease Management	2	35	5	40	10	-	10	50
Feed management	4	70	15	85	20	5	25	110
Production of quality animal products								
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	3	10	70	80	-	25	25	105
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet	1	-	30	30	-	5	5	35
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1	10	10	20	10	5	15	35
Value addition								
Income generation activities for empowerment of rural Women	1	-	30	30	-	5	5	35
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care								
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
<b>VII Plant Protection</b>								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
<b>VIII Fisheries</b>								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								

Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
<b>IX Production of Inputs at site</b>								
Seed Production								
Planting material production (Horti.)								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production (Horti.)								
Organic manures production (A.S.)								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	1	15	5	20	5	-	5	25
Group dynamics								
Formation and Management of SHGs(HS)								
Mobilization of social capital								
Entrepreneurial development of farmers/youths (Agro.)								
WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>22</b>	<b>285</b>	<b>220</b>	<b>505</b>	<b>90</b>	<b>55</b>	<b>145</b>	<b>650</b>

**C) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	15	5	20	5	-	5	25
Resource Conservation Technologies	2	35	15	40	10	5	15	55
Cropping Systems	1	20	10	30	5	5	10	40
Crop Diversification	1	15	5	20	5	-	5	25
Integrated Farming								
Water management	1	15	5	20	5	-	5	25
Seed production								
Nursery management								
Integrated Crop Management	4	65	30	95	20	10	30	125
Fodder production								
Production of organic inputs	5	75	35	110	25	10	35	145
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	3	45	15	60	15	-	15	75
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli	1	15	5	20	5	-	5	25
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	2	20	10	30	10	-	10	40
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards	1	15	5	20	5	-	5	25
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology	2	25	10	35	10	-	10	45
Processing and value addition								
f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Planting material production	1	10	5	15	5	5	10	35

Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition	1	5	10	15	2	3	5	20
Production of quality animal products								
Dairying	1	10	5	15	5	5	10	35
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
<b>TOTAL</b>	<b>24</b>	<b>360</b>	<b>150</b>	<b>500</b>	<b>120</b>	<b>30</b>	<b>150</b>	<b>650</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	2	40	-	40	10	-	10	50
Integrated Pest Management								
Integrated Nutrient management	1	20	-	20	5	-	5	25
Rejuvenation of old orchards	1	15	-	15	5	-	5	20
Protected cultivation technology	1	15	-	15	5	-	5	20
Formation and Management of SHGs	1	-	10	10	-	10	10	20
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals	1	15	5	20	5	-	5	25
Livestock feed and fodder production	1	15	-	15	5	-	5	20
Household food security	1	5	10	15	2	3	5	20
Women and Child care	1	-	15	15	-	5	5	20
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Micro irrigation system	1	15	-	15	5	-	5	20
<b>TOTAL</b>	<b>11</b>	<b>140</b>	<b>40</b>	<b>180</b>	<b>42</b>	<b>18</b>	<b>60</b>	<b>240</b>
<b>G. Total</b>	<b>35</b>	<b>500</b>	<b>190</b>	<b>680</b>	<b>162</b>	<b>48</b>	<b>210</b>	<b>890</b>
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	15	5	20	5	-	5	25
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								
Management of Problematic soils								

Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
<b>IV Livestock Production and Management</b>								
Dairy Management	1	10	5	15	5	-	5	20
Poultry Management	1	10	5	15	5	-	5	20
Piggery Management								
Rabbit Management/goat	1	10	5	15	5	-	5	20
Disease Management	2	35	5	40	10	-	10	50
Feed management	5	20	20	100	25	5	30	130
Production of quality animal products								
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	4	15	85	100	2	28	30	130
Design and development of low/minimum cost diet	2	10	45	55	5	10	15	70
Designing and development for high nutrient efficiency diet	1	-	30	30	-	5	5	35
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1	10	10	20	10	5	15	35
Value addition	3	10	30	40	7	13	20	60
Income generation activities for empowerment of rural Women	2	5	40	45	2	8	10	55
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care								
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
<b>VII Plant Protection</b>								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
<b>VIII Fisheries</b>								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
<b>IX Production of Inputs at site</b>								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								

Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	2	25	10	35	10	-	10	45
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital								
Entrepreneurial development of farmers/youths								
WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems								
Sponsored training								
<b>TOTAL</b>	<b>24</b>	<b>150</b>	<b>285</b>	<b>495</b>	<b>81</b>	<b>74</b>	<b>155</b>	<b>650</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
<b>TOTAL</b>								
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management								



Rejuvenation of old orchards									
Protected cultivation technology									
Formation and Management of SHGs									
Group Dynamics and farmers organization									
Information networking among farmers									
Capacity building for ICT application									
Care and maintenance of farm machinery and implements									
WTO and IPR issues									
Management in farm animals									
Livestock feed and fodder production									
Household food security									
Women and Child care									
Low cost and nutrient efficient diet designing									
Production and use of organic inputs									
Gender mainstreaming through SHGs									
Hi-Tech Nursery Management									
Micro Irrigation									
Any other (Pl. Specify) Seed Production									
<b>Total</b>									
<b>G. TOTAL</b>	<b>63</b>	<b>750</b>	<b>475</b>	<b>1275</b>	<b>243</b>	<b>122</b>	<b>365</b>	<b>1640</b>	

Details of training programmes attached in

**Annexure -I**

**3.4. Extension Activities (including activities of FLD programmes)**

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	20	740	350	1090	20	10	30	760	360	1120
Kisan Mela	2	1600	1000	2600	30	10	40	1630	1010	2640
Kisan Ghosthi	4	400	40	440	10	5	10	410	45	455
Exhibition	2	500	200	700	10	5	15	510	205	715
Film Show	4	100	50	150	10	5	15	110	55	165
Farmers Seminar	2	80	20	100	10	-	10	90	20	110
Workshop	2	80	20	100	10	-	10	90	20	110
Group meetings	1	20	5	25	-	-	-	20	5	25
Lectures delivered as resource persons	12	250	50	300	25	-	25	275	75	350
Newspaper coverage	48	Mass	-	-	-	-	-	-	-	-
Radio talks	2	Mass	-	-	-	-	-	-	-	-
TV talks	5	Mass	-	-	-	-	-	-	-	-
Popular articles	6	Mass	-	-	-	-	-	-	-	-
Extension Literature	10	Mass	-	-	-	-	-	-	-	-
<b>Advisory Services</b>										
Scientific visit to farmers field	1	80	5	85	5	-	5	85	5	90
Farmers visit to KVK	1	380	20	400	-	-	-	380	20	400
Diagnostic visits	40	40	-	40	5	-	5	40	5	45

Exposure visits	2	70	30	100	10	10	20	80	40	120
Ex-trainees Sammelan										
Soil health Camp	1	40	10	50	5	-	5	45	10	55
Animal Health Camp	2	80	20	100	10	-	10	90	30	110
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	1	100	-	100	-	-	-	100	-	100
Farm Science Club Conveners meet	1	20	-	20	5		5	25	-	25
Self Help Group Conveners meetings	2	5	15	20	-	-	-	5	15	20
Mahila Mandals Conveners meetings	4	-	20	20	-	5	5	-	25	25
Celebration of important days (specify) Kisan Samman Divas	1	300	50	350	50	5	55	350	55	405
Krishi Mohostva	1	150	50	200	10	5	15	160	55	215
Krishi Rath	-	-	-	-	-	-	-	-	-	-
Pre Kharif workshop	1	60	40	100	10	5	15	70	45	115
Pre Rabi workshop	1	75	50	125	10	5	15	85	55	140
PPVFRA workshop	-	-	-	-	-	-	-	-	-	-
Mahila Kisan Divas	1	0	200	200	3	2	4	0	205	205
<b>Total</b>	<b>180</b>	<b>5170</b>	<b>2245</b>	<b>7415</b>	<b>248</b>	<b>72</b>	<b>314</b>	<b>5410</b>	<b>2360</b>	<b>7760</b>

### 3.5 Target for Production and supply of Technological products

#### A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
<b>CEREALS</b>			
<b>OILSEEDS</b>			
<b>PULSES</b>			
<b>VEGETABLES</b>			
<b>OTHERS (Specify)</b>			

#### B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
<b>FRUITS</b>			
	Papaya	Red lady	1000
	Jackfruits	Indigenous	250
	-	-	0
<b>SPICES</b>			
	-	-	0
	Onion	Bhima	25000
		NHRDF-4	25000
<b>VEGETABLES</b>			
	Brinjal	Nav Kiran	2500
	Tomato	Ankur-2110	2500

	cauliflower	Girija	2000
	-	-	0
<b>FOREST SPECIES</b>	-	-	0
	Neem	Indigenous	1500
<b>ORNAMENTAL CROPS</b>	-	-	0
	-	-	0
	-	-	0
	Marigold	Pusa narangi	1500
	Kochia	-	1000
	Nepiar grass	-	4000
	Gini grass	-	4000
		<b>Total</b>	<b>70250</b>

### C) BIO-PRODUCT

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>				
1	Vermi-compost	-	20	2000
2	Nadep compost	-	20	2000
3	Waste Decomposer	-	1000	2000 liter

### D) LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle	-	-	-	-
GOAT	-	-	-	-
SHEEP	-	-	-	-
POULTRY	Chick	Cari Priya	100	1
Pig farming	-	-	-	-
FISHERIES	-	-	-	-

## 3.6 Literature to be Developed/Published

### (A) KVK News Letter

Date of start : April, 2024

Number of copies to be published :100

### (B) Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	2
2	Technical reports	6
3	News letters	4
4	Training manual all discipline	5
5	Popular article	6
6	Extension literature	8
	<b>Total</b>	<b>31</b>

### (C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette, whatsapp group, mobile app, etc.	Title of the product	Number
1	VCD	Kisan mela and agriculture exhibition	1
2	VCD	Agriculture Exhibition at Kanpur	1
3	VCD	Mahila Kisan Divas	1
4	VCD	Kisan Samman Divas	1
5	VCD	Kisan Kalyan Divas	1

**3.7. Success stories/Case studies identified for development as a case. - 10**

- a. Brief introduction/Background
- b. Interventions/process
- c. Output
- d. Outcomes
- e. Impact
  - i) Social economic
  - ii) Bio-Physical
- f. Good Action Photographs

**3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers**

- a) Through PRA
- b) Focused group discussion.

**Rural Youth**

- a) Need based
- b) Focused group discussion.

**In-service personnel**

- a) Need based
- b) Demand from department.

**3.9 Indicate the methodology for identifying OFTs/FLDs**

**For OFT :**

- |      |                                                         |     |
|------|---------------------------------------------------------|-----|
| i)   | PRA                                                     | Yes |
| ii)  | Problem identified from Matrix based ranking & analysis | Yes |
| iii) | Field level observations                                | Yes |
| iv)  | Farmer group discussions                                | Yes |
| v)   | Others if any                                           |     |

**For FLD :**

- |      |                             |     |
|------|-----------------------------|-----|
| i)   | New variety/technology      | Yes |
| ii)  | Poor yield at farmers level | Yes |
| iii) | Existing cropping system    | Yes |
| iv)  | Others if any               |     |

**3.10 Field activities**

- i. Name of villages identified/adopted with block name (from which year) –

<b>Name of village</b>	<b>Name of block</b>	<b>Year</b>
Siraoloya	Tundla	2016
Kheria	Tundla	2010
Hazratpur	Tundla	2009
Sikandarpur	Tundla	2021
Pamari	Tundla	2021
Dinauli	Tundla	2011
Usaini	Firozabad	2011
Gundau	Firozabad	2015
Fulaichi	Firozabad	2012
Nagla Chinraunji	Firozabad	2010
Raja Ka Tal	Firozabad	2018
Ahaladadpur	Firozabad	2017
Badanpur	Narkhi	2019
Husenpur	Narkhee	2014
Bheekanpur	Narkhee	2013
Bachhgaon	Narkhee	2013
Asharawali	Shikohabad	2011
Tatarpur	Shikohabad	2012
Karanpur	Shikohabad	2016
Dahini	Shikohabad	2017
Gagai	Shikohabad	2018
Kishraon	Aroan	2015
Dharma	Aroan	2016
Kaparavali	Aroan	2011
Paliya Khurd	Eka	2013
Kachhavaee	Eka	2017
Nagla Gaju	Eka	2018
Eka	Eka	2016
Khatua Mai	Madanpur	2018
Nagla Tal	Madanpur	2018
Nagla Radhey	Madanpur	2011
Umari	Madanpur	2017
Haridaspur	Jasrana	2018
Nagla Mohari	Jasrana	2019
Dhuhali	Jasrana	2017
Utrara	Jasrana	2015
Hamirpura	Hathwant	2017
Nagla Soti	Hathwant	2021
Katena Harsha	Hathwant	2014
Sohanpur	Hathwant	2015
Bhodela	Firozabad	2022
Santhi	Hathvant	2022

Banipura	Hathvant	2022
Machhariya	Hathvant	2023
Niyamatpur	Tundla	2023
Salempur nagla Khar	Firozabad	2023
Khagrai	Firozabad	2023

- ii. No. of farm families selected per village : 1 to 5
- iii. No. of PRA conducted : 5
- iv. No. of technologies taken to the adopted villages 10
- v. Name of the technologies found suitable by the farmers of the adopted villages:
  - A. Production of Vermi compost.
  - B. Introduce Summer Maize.
  - C. IWM in Garlic, Wheat, Paddy
  - D. Disease management in Shimla Mirch.
  - E. IPNM & IDM in potato,
  - F. Introduce HYV of Green and black gram
  - G. Health care of calves.
  - H. Introduce HYV of Mustard.
  - I. Balance feeding of animals.
  - J. Whole year green fodder production.
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
  - Summer Bajra cultivation on 200 ha. in 2009 and now increased the area 20000 ha.
  - Potato cultivation in district Firozabad on 38000 ha. in 2009 and now increase the area 55000 ha.
  - Summer maize cultivation increased area about 3000 ha.
  - Establishment of 50 Vermi-compost units which increase soil fertility and generate employment.
  - Establishment of 05 Mushroom units to generate employment.
- vii. Constraints if any in the continued application of these improved technologies
  - Lack of quality seed.
  - Occurrence of various disease in Shimla Mirch.
  - Farmers unknown about beginning stage diseases in potato.
  - Lack of veterinary facilities.
  - Lack availability of dung for vermi compost production.

### 3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab: Yes

1. Year of establishment : 2017

#### 2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Soil testing kit	2	172000.00

#### 3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	300	300	40	-
Water	-	-	-	-
Plant	-	-	-	-
<b>Total</b>	<b>300</b>	<b>300</b>	<b>40</b>	<b>-</b>

#### 4.0 LINKAGES

##### 4.1 Functional linkage with different organizations/department

Sl.No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	State Department of Agriculture	1. Scientist farmer's interaction. 2. Participation in Kharif, rabi and summer crop seminar, Gosthi / workshop and field day etc. 3. Conducting in-service training programmes 4. Sponsored training programmes for practicing farmer and extension functionaries. 5. Coordinating seed production programme at farmers field	
2.	State Department of Horticulture	1. Demonstration on vegetables, Pomology and flowers 2. Training programmes for practicing farmers and extension functionaries for National Horticulture Mission 3. Establishment of orchard	
3.	State Department of Animal Husbandry	1. Animal health camp, infertility camps and vaccination camp. 2. Training programmes for practicing farmers and farm women	
4.	IFFCO	1. Participation in crop seminars and kisan gosthies 2. Participation in training programmes organized by extension functionaries	
5.	BAIF	1. Artificial insemination	
6.	NFL	1. Training programme and soil testing samples.	
	Deptt. Of land development and water resources (Ram Ganga command)	1. Training.	
	Department of Fisheries	1. Training	
	Nehru Yuva Kendra	1. Training for Nehru Yuva Mandal	
	KRIBHCO	1. Participation in crop seminars and kisan gosthies 2. Participation in training programmes organized by extension functionaries	

##### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

S. No.	Programme	Nature of linkage	Outcome of linkage
1	Trainings		
2	Demonstration		
	Kisan gosthi		
	Kisan Mela & Agri. Exhibition		

##### 5. Utilization of Hostel facilities

S. No.	Programme	No. of days
1	Trainings	40
2	Workshop	04
	<b>Total</b>	<b>44</b>

##### 6. Partnership with departments for technology out scaling (proposed) :

- 3<sup>rd</sup> Wednesday of every month conducting Kisan Diwas with line departments.-12
- Governing board meeting of ATMA (Six month interval) with line departments.-02
- District and block level Gosthi to line departments for enhancement of agriculture production. -10
- Farmers Produce Organization (FPO) with line department.-05
- Discussion with line department for irrigation.-04
- Meeting with Fisheries department. -04

## Training Programme

## i) Farmers &amp; Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
06-09.05.2024	PF	Production of Desi Cow base insecticides and Jeevamrit, Beejamrit and Ghanjeevamrit.	4	20	10	30	5	5	10	40
27-30.08.2024	PF	Production of Value aided organic Manures	4	20	10	30	5	5	10	40
10-12-.09.2023	PF	Inter Cropping in Rabi Crop	4	15	5	20	5	0	5	25
04-07.11.2024	PF	INM in Wheat	4	15	5	20	5	0	5	25
Horticulture										
08.07.2023	PF	Hi-Tech nursery management of Vegetable in Kharif Season. (Tomato, Brinjal, Chilli)	4	10	5	15	5	-	5	20
06-09.2024	PF	Potato seed production Technology	4	10	5	15	5	-	5	20
11-14.11.2024	PF	Whole year off Season Vegetable Production Technology in Poly House	4	10	5	15	5	-	5	20
Livestock prod.										
8-11.01.2024	PF/FW	Balance Ration & making for Dairy Animal.	4	10	5	15	5	-	5	25
01-04.02.2024	PF/FW	Goat Farming	4	10	5	15	5	-	5	20
11-14.03.2024	PF/FW	Poultry Production	4	10	5	15	5	-	5	20
05-08.08.2024	PF/FW	Dairy Farming	4	10	5	15	5	-	5	20
Agril. Extension										
14-17.02.2024	PF	Vermi Compost Production technology and use	4	10	5	15	5	-	5	20
22-25.07.2024	PF	Leadership development in SHGs	4	10	5	15	5	-	5	20
03-06.09.2024	PF	Vermi Compos Production technology and uses	4	10	5	15	5	-	5	20
Home Sc.										
05-09.02.2024	PF	Preservation of Fruits and Vegetable.	5	5	10	15	2	3	5	20
16-19.04.2024	PF	Value addition of Potato	4	5	5	10	5	5	10	20
12-16.08.2024	PF	Value addition of Milk.	5	5	10	15	2	3	5	20
10-13.09.2024	PF	Management of Nutritional garden	4	5	15	20	2	3	5	25
22-25.10.2024	PF	Value addition of millets	4	-	15	15	-	5	5	20
Plan prot.										
	PF									
	PF									
	PF									
Fisheries										
	PF									
	PF									
Soil Health										
	PF									



**i) Farmers & Farm women (Off Campus)**

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
22.02.2024	PF	Scientific Cultivation of Millets	1	15	10	25	5	5	10	35
29.04.2024	PF	Intercropping of maize with Arher and Role of Crop Rotation.	1	20	10	30	5	5	10	40
30.05.2024	PF	Scientific Cultivation of Paddy	1	20	10	30	5	5	10	40
26.07.204	PF	Use of Water Soluble fertilizer	1	20	10	30	5	5	10	40
12.10.2024	PF	Scientific Cultivation of Wheat	1	15	5	20	5	0	5	25
14.11.2024	PF	Weed Management of Rabi Crop	1	15	5	20	5	0	5	25
22.11.2024	PF	Irrigation Management of Rabi Crops	1	15	5	20	5	0	5	25
Horticulture										
02.01.2024	PF	Role of staking in tomato	1	15	5	20	5	-	5	25
19.04.2024	PF	Role of Drip Irrigation System in young Orchard (Guava, Aonla)	1	15	5	20	5	-	5	25
01.05.2024	PF	Cultivation of Brinjal	1	15	5	20	5	-	5	25
05.06.2024	PF	Scientific Cultivation of Chill and Shimla March	1	15	5	20	5	-	5	25
02.09.2024	PF	IDM in Improved Cultivation of Potato	1	15	5	20	5	-	5	25
24.12.2024	PF	Cultivation of cole crops Vegetables. (Cauli Flower, Cabbage, Broccoli.	1	15	5	20	5	-	5	25
LiveStock Production.										
03.01.2024	PF	Role of mineral mixture I Daring Animal	1	20	5	25	5	5	10	35
07.02.2024	PF	Whole year green fodder production	1	15	5	20	5	-	5	25
08.03.2024	PF	Balance Ration for milch Animal	1	15	5	20	5	-	5	25
02.05.2024	PF	Control of ecto & endo parasites in cow & Buffalo .	1	20	-	20	5	-	5	25
11.07.2024	PF	Sterility problem in dairy Animals and its control	1	15	5	20	5	-	5	25
10.09.2024	PF	Low quality roughage improved by urea.	1	20	-	20	5	-	5	25
Agril. Extension										
27.02.2024	PF	Preparation of Nadep Compost pit filling and uses.	1	15	5	20	5	-	5	25
20.04.2024	PF	Leadership development in self Help group (SHG)	1	15	5	20	5	-	5	25
20.05.2024	PF	Soil Health Management	1	15	5	20	5	-	5	25
18.09.2024	PF	Crop residue management	1	15	5	20	5	-	5	25
Home Science.										
04.01.2024	PF	Awareness of Millets Crop for area spread.	1	10	15	25	5	5	10	35
03.02.2024	PF	Management of Nutritional garden under nari Programm.	1	10	20	30	-	5	5	35
25.05.2024	PF	Safe grain storage techniques and rat control.	1	10	10	20	10	5	15	35
10.06.2024	PF	Management of Nutritional garden	1	-	20	20	-	15	15	35
27.07.2024	PF	Seasonal Fruit and Vegetable Preservation.	1	-	30	30	-	5	5	35
24.09.2024	PF	Poshak Thali (Awareness Program)	1	-	30	30	-	5	5	35
25.09.2024	PF	Management of Nutritional garden	1	-	30	30	-	5	5	35
12.11.2024	PF	Importance of millets for pregnant women and Children.	1	-	30	30	-	5	5	35
Plant Protection										
	PF									
	PF									
Fisheries										
	PF									
	PF									
Soil health										
	PF									
	PF									

**ii) Vocational training programmes for Rural Youth**

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Mali Training	Mali Training	Mali Training Programme for skilled development	Jan-24	21	10	5	15	5	5	10	35

Dairy	Dairy Farming	Dairy Farming and milk products	April-24	21	10	5	15	5	5	10	25
Food Processing	Post harvest Technology	Fruit & Vegetable Preservation and Bakery	Dec-24	21	5	10	15	2	3	5	20

### iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										
Crop production										
07.06.23	EF	Weed management in kharif crops.	1	20	-	20	5	-	5	25
18.10.23	EF	Integrated nutrient management in Rabi crops.	1	20	-	20	5	-	5	25
03.11.23	EF	Seed production of wheat in Rabi.	1	20	-	20	5	-	5	25
Horticulture										
11.04.23	EF	Drip irrigation system in Guava orchard.	1	15	-	15	5	-	5	20
18.07.23	EF	Hi-Tech nursery management	1	15	-	15	5	-	5	20
05.10.23	PF	Rejuvenation of old orchard	1	15	-	15	5	-	5	20
Livestock Production & management										
12.02.23	EF	Sterility Problems in dairy animals & its control	1	15	5	20	5	-	5	25
03.11.23	EF	Use of care treated straw for animal	1	15	-	15	5	-	5	20
Home Science										
16.03.2023	EP	Formation of Self help group	1	0	10	10	0	10	10	20
14.06.2023	EP	Woman Child care	1	0	15	15	0	5	5	20
08.11.2023	EP	Safe grain storage techniques and rat control.	1	5	10	15	2	3	5	20

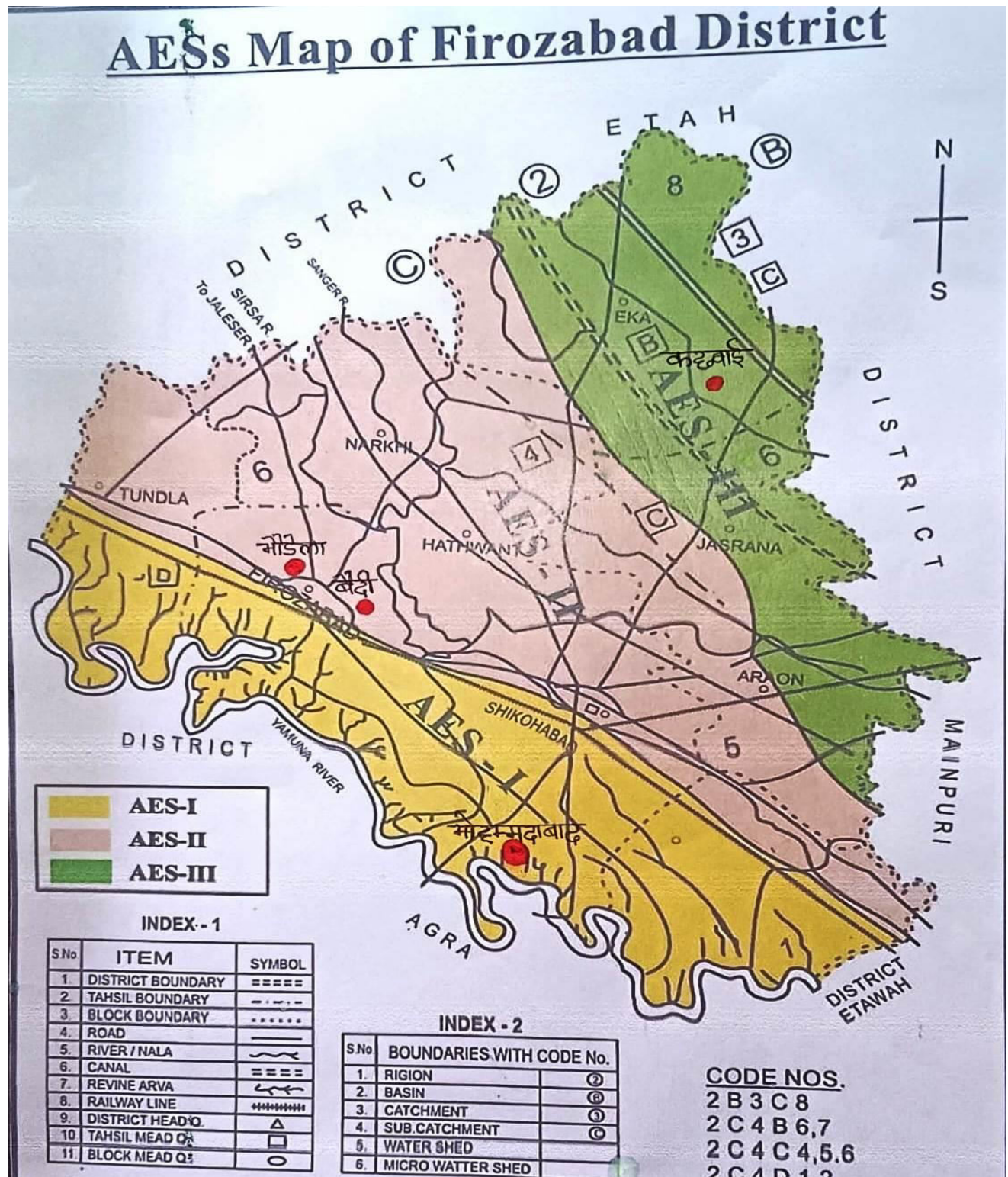
### iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training programme											
Crop Production											
	Agriculture Deptt.	PF	Soil and water conservation Techniques	1	30	10	40	-	-	-	40
		PF	Integrated farming	1	30	10	40	-	-	-	40
Horticulture											
	Horticulture & Agriculture Deptt	PF	Rejuvenation of old orchards	1	25	10	35	-	-	-	35
		PF	Scientific cultivation of potato	1	25	5	30	-	-	-	30
Live –stock Production and Management											
	Horticulture & Agriculture Deptt	PF	General care of lactating Animals for maximizing milk production	1	20	10	30	5	5	10	40
		PF	Production of quality animals products	1	20	10	30	5	5	10	40
			Total	13							
b) Sponsored research programme											
			Total								
c) Any special programmes											
			Total								

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**PRA Report Annexure – II**

**PRA Survey of district Firozabad**



### Area of Outreach of KVK

Block	Name of the Village
<b>Tundla</b>	Hazratpur, Kheriya, Mohammdabad, Gari Jafar, Siroliya, Dinoli, Tekri Ghari Bhau, Banket. Chulahavali.
<b>Firozabad</b>	Bhondela, Bendi, Ali nagar kainjhra, Salempur Nagla Khar, Ullau, Usaini, Daukeli, Nagla Chironji.
<b>Shikohabad</b>	Sobanpur, Noorpur, Dahini, Govindpur, Abadpur, Nagla Awaji Ashrawali, Nagaria, Nagla Pahulal.
<b>Madanpur</b>	Nagla Radhe, Nagla Chak, Urawar, Atepur, Zaimatpur, Nagla Dehar, Umari, Alipur.
<b>Narkhi</b>	Garhi Hansram, Jaitpur, Bhikanpur, Hardaspur kotla, Gonch, Nagla Koom, Mohmadi
<b>Hathvant</b>	Banipura, Santhi, Babain, Prathvipur, Machharia, Kalupura, Khaiyatan.
<b>Eka</b>	Kachhvai, Nagla Gaju, Paliya Khurd, Nagla Gosa, Pilakhtar, Pedat
<b>Jasrana</b>	Salempur, Jamalipur, Jhapara, Bhendi, Nagla Muhari, Bahat.
<b>Araon</b>	Kapravali, Pidsara, Kisroan, Nagla Atiya, Asvai, Khudeena, Sothapur

### The methodology for identifying OFTs/FLDs/Trainings

#### 1) PRA Tools

- I. Semi Structured interview of key information for village Basic
- II. Information.
- III. Village Transact- NRM (land type and water source)
- IV. Agro ecology map
- V. Resource map
- VI. Social map
- VII. Venn Diagram
- VIII. Mobility map
- IX. Time line - historical perspective
- X. Trend analysis – different decades

#### 2) Problem identified from Matrix based ranking & analysis

#### 3) Field level observations

#### 4) Farmer group discussions

**Conducting PRA to understand resources, problems and problem assess relationship and Training/Demonstration /OFT on the basis of need**

### **INTRODUCTION OF VILLAGE:- MOHAMMDABAD**

**Village –** Mohammdabad      **Tahsil –** Tundla **District –**Firozabad **State -** UP

**Name of Block :-** Tundla      **DISTANCE FROM VILLAGE-** 3 Km

**Name of District:-** Firozabad      **Distance from Village:-** 33 Km

**Name of Pradhan/Sarpanch:** Smt. Elesh Kumari

**Name of MLA:**Shri Prempal Dhangar

**Name of Block Pramukh:-**Satendra Dhangar

#### **Transport, Education and Health Services.**

**Bus Stand:-** Tundla      **Distance from Village:-** 3 Km

**Railway Station:-** Tundla      **Distance from Village:-** 8 Km

**Post Office:-** 0      **Condition of Road:-** Poor

**School: Primary/Middle/**

**Higher Secondary:-** Primary School

**College:-** Inter- College Tundla      **Distance from Village:-** 1 Km

**Primary Health Center:-** Govt. Usaini Hospital

**Private Dispensary:-** In the village

**Aaganbadis/Baalbadis:-** 4 Anganwadi.

### **Agricultural Scenario of the Village: MOHAMMDABAD**

**Major crops of the Village:-** Mustard, Potato, Wheat, Vegetables

#### **Soil Properties:**

(a) **Soil Type:-**Alluvial slightly alkaline

(b) **Texture:-**Sandy loam to clay loam

(c) **Depth of soil (cm)-** 100 cm (High)

(d) **Soil pH:-** 7.5 - 8.36

**Drainage:-** Not Available

**Initial fertility status of soil :**

**Organic Carbon:-** 0.25 - 0.35

**N:-** 130- 245 kg/ha

**P:-** 45.6 kg/ha

**K:-** 90.5 kg/ha

**Irrigation available to the field: Source:-** Submersible Pump & Pond.

**Annual Rainfall:** 700-900 mm

## **INTRODUCTION OF VILLAGE: - BHONDELA**

**Village – Bhondela Tahsil – Tundla District –Firozabad State - UP**  
**Name of Block :- Firozabad DISTANCE FROM VILLAGE- 14 Km**  
**Name of District:- Firozabad Distance from Village:- 22 Km**  
**Name of Pradhan/Sarpanch: Shri Ajay Pal Singh Baghel**  
**Name of MLA:Shri Manish Ashija**  
**Name of Block Pramukh:- Shri Lakshmi Narayan Yadav**

### **Transport, Education and Health Services:**

**Bus Stand:- Firozabad Distance from Village:- 12 Km**  
**Railway Station:- Firozabad Distance from Village:- 14 Km**  
**Post Office:- No Condition of Road:- Poor**  
**School: Primary/Middle/Higher Secondary:- Primary School**  
**College:- No Distance from Village:- -**  
**Primary Health Center:- No Private Dispensary:- In the village**  
**Aaganbadis/Baalbadis:- 1 Anganwadi.**

## **Agricultural Scenario of the Village: BHONDELA**

**Major crops of the Village:- Wheat, Potato.**

### **Soil Properties:**

**(a) Soil Type:- Alluvial soil (b) Texture:- Sandy loam to loam**  
**(c) Depth of soil (cm)- 100 cm (High) (d) Soil pH:- 7.5 – 8.0**

**Drainage:- Yes by Trench**

### **Initial fertility status of soil :**

**Organic Carbon:- 0.31 %**  
**N:- 150.35kg/ha**  
**P:- 32.4 kg/ha**  
**K:- 136.2 kg/ha**

**Irrigation available to the field: Source:-Tube well. Submersible, Pond**



## INTRODUCTION OF VILLAGE- BENDI

**Village – Bendi      Tahsil – Firozabad      District – Firozabad      State - UP**  
**Name of Block :- Firozabad      DISTANCE FROM VILLAGE- 8.5 Km**  
**Name of District:- Firozabad      Distance from Village:- 19.75 Km**  
**Name of Pradhan/Sarpanch:** Km. Vanshika Raj Sharma  
**Name of MLA:** Dr. Mukesh Verma  
**Name of Block Pramukh:-** Shri Lakshmi Narayan Yadav  
**Transport, Education and Health Services:**  
**Bus Stand:- Firozabad      Distance from Village:- 9.5 Km**  
**Railway Station:- Firozabad      Distance from Village:- 11.5 Km**  
**Post Office:- Ali nagar Canjra      Condition of Road:- Good**  
**School: Primary/Middle/Higher Secondary:-** Primary School  
**College:- No      Distance from Village:- 9.5 Km**  
**Primary Health Center:- Under Construction      Private Dispensary:- 1**  
**Aaganbadis/Baalbadis:-** 1 Anganwadi + Baalbadis

## Agricultural Scenario of the Village: Bendi

**Major crops of the Village:-** Wheat, Potato, Bajra

### **Soil Properties:**

**(a) Soil Type:-** Alluvial soil      **(b) Texture:-** Sandy loam to loam  
**(c) Depth of soil (cm)-** 100 cm (High) **(d) Soil pH:-** 7.5 – 8.0

**Drainage:-** Pond and Trench

**Initial fertility status of soil :**

**Organic Carbon:-** 0.67%

**N:-** 276.25kg/ha

**P:-** 30.77 kg/ha

**K:-** 326.67 kg/ha

**Irrigation available to the field: Source:-** Pond 4 Tube well and Submersible.

## INTRODUCTION OF VILLAGE:- KACHHVAI

**Village– Kachhvai      Tahsil– Jasrana      District– Firozabad**  
**State – UP      Name of Block :- Eka      DISTANCE FROM 15 Km**  
**Name of District:- Firozabad      Distance from Village:- 38 Km**  
**Name of Pradhan/Sarpanch:** Shri Ranjan Baghel  
**Name of MLA:** Shri Sachin Yadav  
**Name of Block Pramukh:-** Smt. Jyoti Kiran Rajput

**Transport, Education and Health Services:**

**Bus Stand:-** Jasrana

**Distance from Village:-** 21 Km

**Railway Station:-** Shikohabad

**Distance from Village:-** 33 Km

**Post Office:-** Pilakter

**Condition of Road:-** Normal

**School: Primary/Middle/Higher Secondary:-** Primary School

**College:-** Primary, Middle

**Distance from Village:-** 300 mt.

**Primary Health Center:-** No

**Private Dispensary:-** No

**Aaganbadis/Baalbadis:-** 2

**Agricultural Scenario of the Village: Kachhvai**

**Major crops of the Village:-** Paddy, Bajra, Wheat

**Soil Properties:**

**(a) Soil Type:-** Alluvial soil

**(b) Texture:-** Sandy loam to Clay loam

**(c) Depth of soil (cm)-** 100 cm

**(d) Soil pH:-** 8.2

**Drainage:-** Pond and Trench

**Initial fertility status of soil :**

**Organic Carbon:-** 0.42 %

**N:-** 203.7 kg/ha

**P:-** 38 kg/ha

**K:-** 192.5 kg/ha

**Irrigation available to the field: Source:-** Pump set, Pond, Tube well and Submersible.

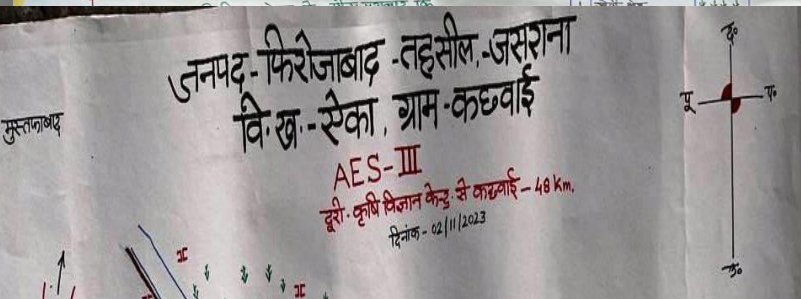
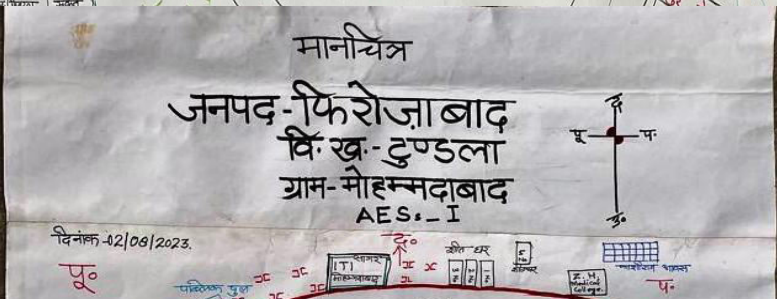
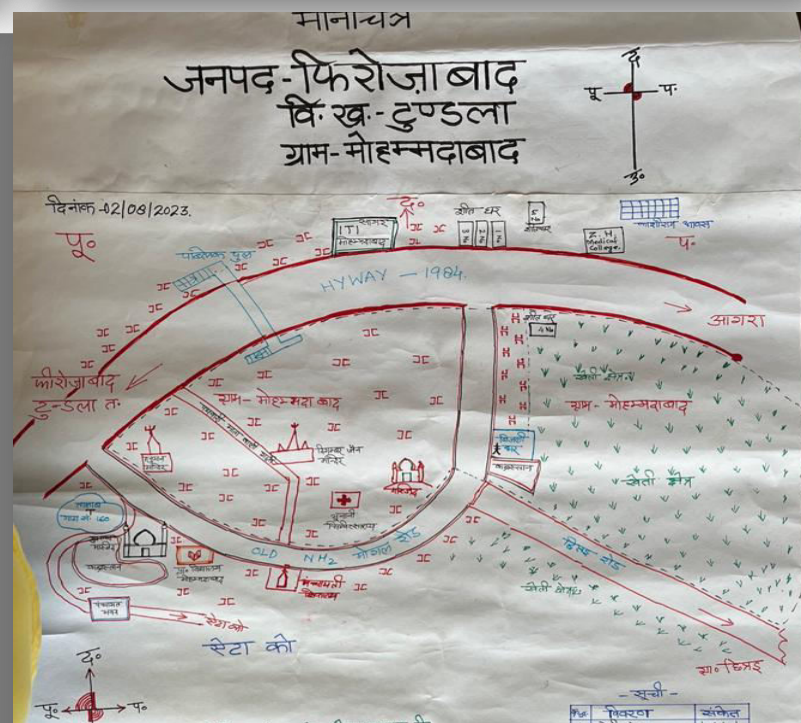
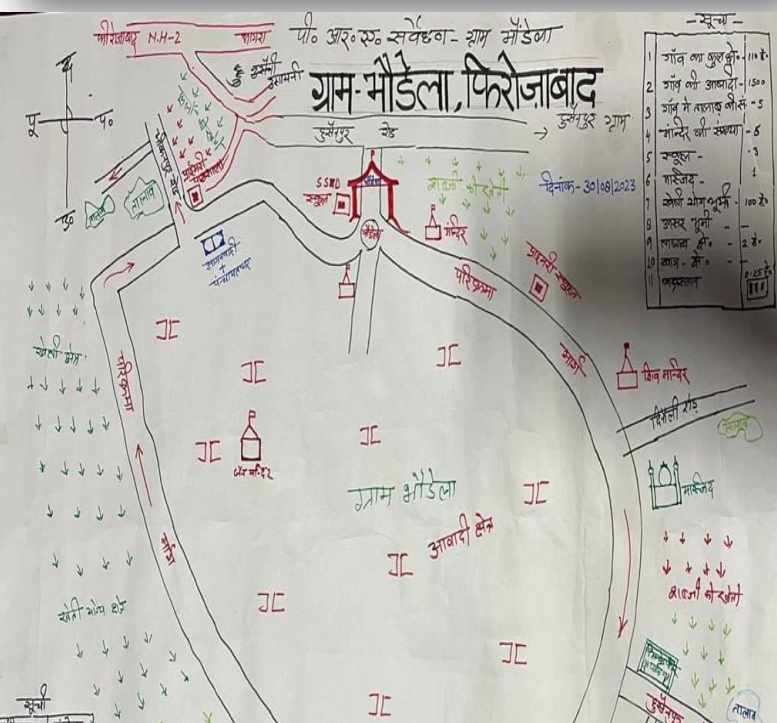


# PRA Survey of AESs

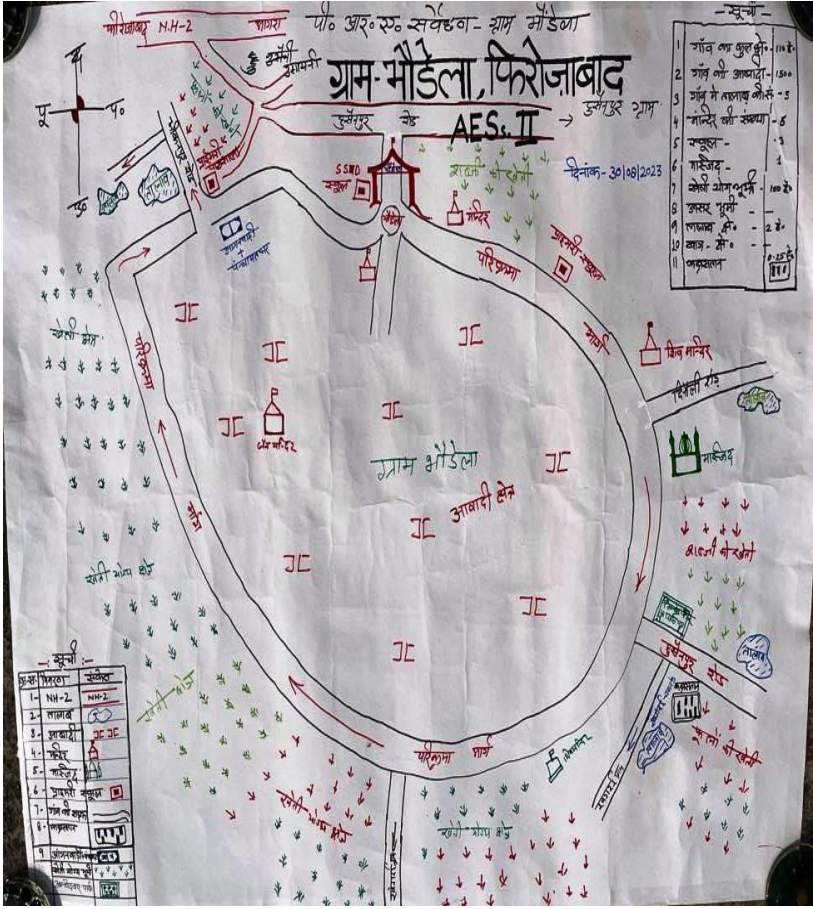
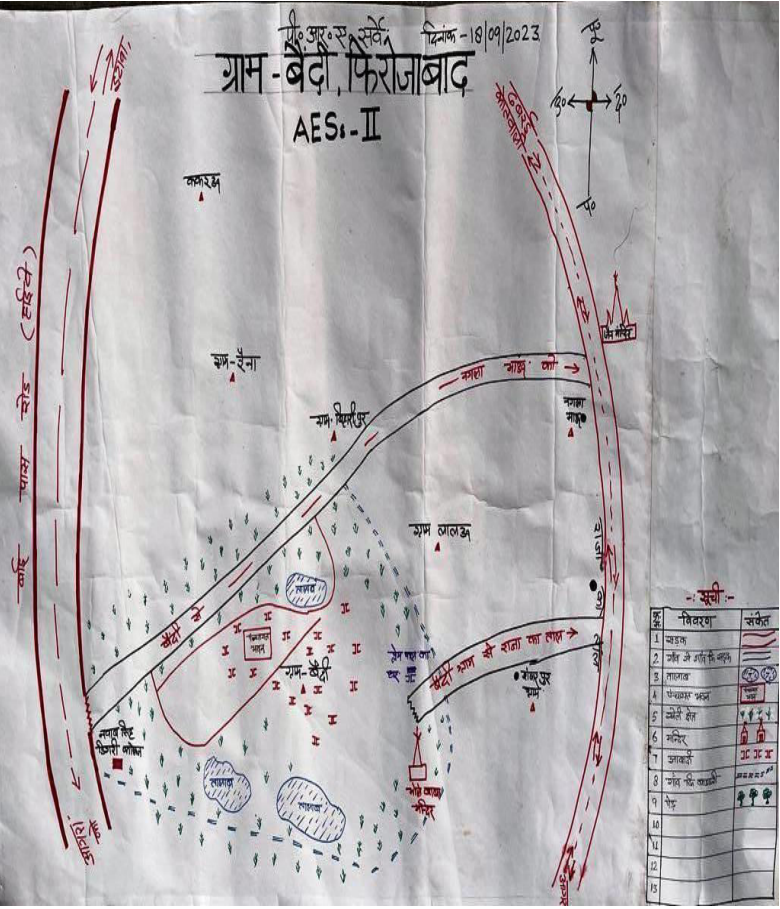




## P.R.A. Survey







## Present Situation, Problems, Gap Analysis Priorities, Ranking and Solutions Through PRA Survey

S. No.	Area/Crop	Present situation	Problems	Gap analysis	Ranking	Solution
1.	<b>Crop production</b>					
i.	Rice	<ul style="list-style-type: none"> <li>Imbalance use of fertilizer</li> <li>Not adopted proper crop rotation</li> <li>Use of old varieties</li> </ul>	<ul style="list-style-type: none"> <li>Cost of cultivation increase and deteriorating soil health.</li> <li>Lack of availability of seed</li> <li>Poor Nursery Management.</li> <li>Insect Infestation</li> </ul>	<ul style="list-style-type: none"> <li>Lack of Knowledge about balance use of fertilizers.</li> <li>Not producing on seed</li> <li>Not adopted good nursery management Practices.</li> <li>Do not follow IPM</li> </ul>	II  IV III  I	OFT  Training Training  OFT
ii	Wheat	<ul style="list-style-type: none"> <li>Imbalance use of fertilizer.</li> <li>Use of poor quality seed.</li> <li>Broadcasting</li> </ul>	<ul style="list-style-type: none"> <li>Cost of cultivation increase and Deteriorating soil health.</li> <li>High cost of input</li> <li>Weed infestation.</li> <li>High temperature during maturity</li> </ul>	<ul style="list-style-type: none"> <li>Lack of Knowledge about balance use of fertilizers.</li> <li>No use of organic manure FYM &amp; no Green Manuring.</li> <li>Do not follow IWM.</li> <li>Do not using heat tolerant Varieties.</li> </ul>	II  III  I IV	Training  Training  OFT Demo.
iii	Moong, Urd	<ul style="list-style-type: none"> <li>Only 8-10% area</li> </ul>	<ul style="list-style-type: none"> <li>Not availability of HYV</li> <li>Incidence of diseases</li> <li>Weed infestation</li> <li>Climate Change</li> </ul>	<ul style="list-style-type: none"> <li>Possibilities of area expansion</li> <li>Introduce short duration varieties.</li> <li>No use of proper weedicide</li> <li>Time management</li> </ul>	II  I  III  IV	FLD  FLD  OFT  Training,

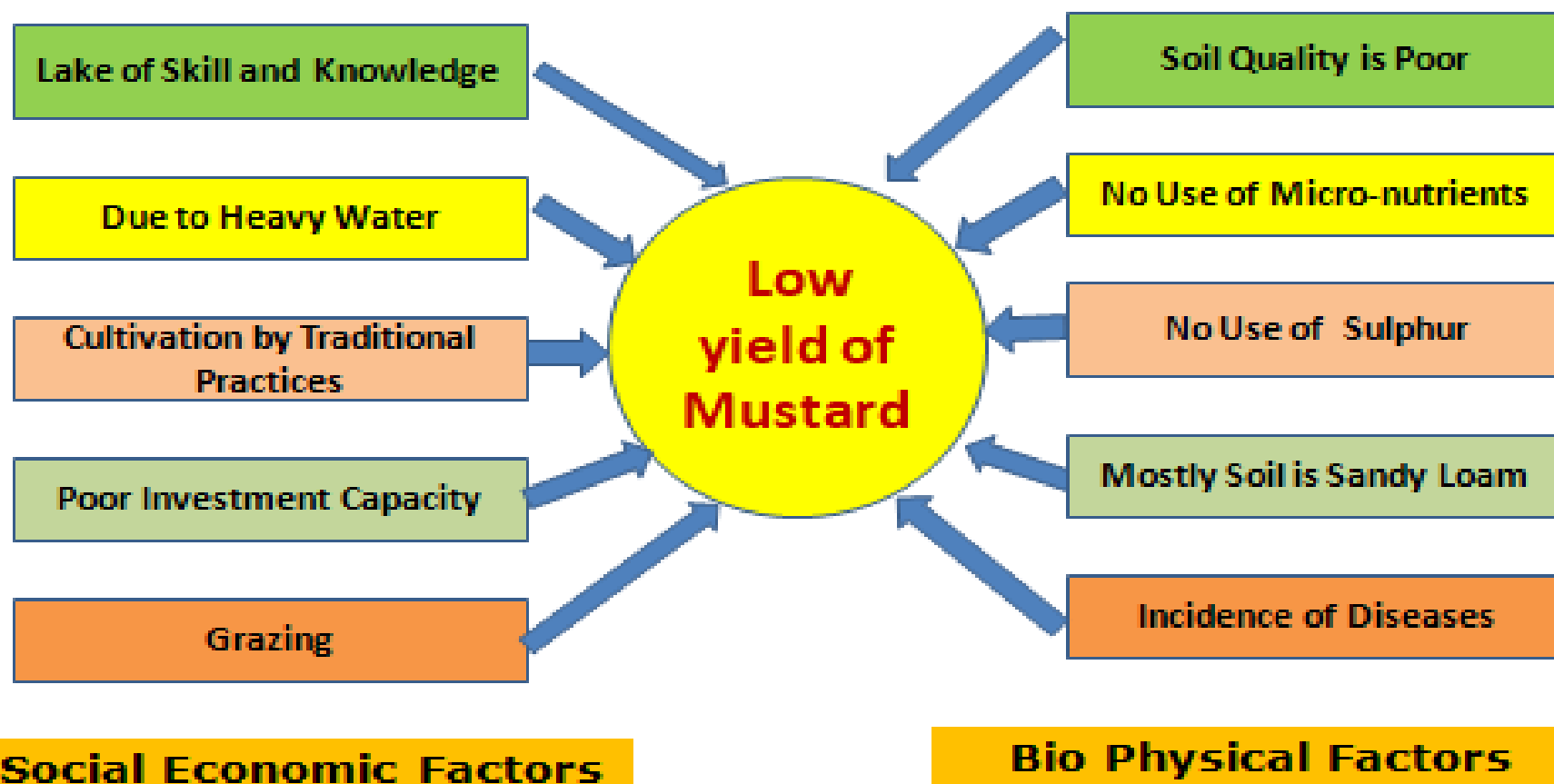
iv	<b>Mustard, Til</b>	<ul style="list-style-type: none"> <li>▪ Til and Mustard are main oil seed crops.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Low Production</li> <li>▪ Low oil content</li> <li>▪ Incidence of diseases</li> <li>▪ Pest Infestation.</li> </ul>	<ul style="list-style-type: none"> <li>▪ No thinning, no line sowing</li> <li>▪ No use of Sulphur</li> <li>▪ No proper control of pest &amp; diseases</li> </ul>	III  I II	Training  OFT OFT
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S. No	Area/Crop	Present situation	Problems	Gap analysis	Ranking	Solution
<b>2.</b>	<b>Horticulture</b>					
i.	Potato	<ul style="list-style-type: none"> <li>▪ Higher dose of fertilizers</li> <li>▪ low quality Production</li> </ul>	<ul style="list-style-type: none"> <li>▪ Weed Infestation</li> <li>▪ Incidence of diseases</li> </ul>	<ul style="list-style-type: none"> <li>▪ Imbalance use of fertilizers.</li> <li>▪ Excessive use of pesticides.</li> </ul>	II  I	Training OFT
ii.	Vegetable Production	<ul style="list-style-type: none"> <li>▪ Low yield</li> <li>▪ poor quality produce</li> </ul>	<ul style="list-style-type: none"> <li>▪ Use of old varieties.</li> <li>▪ Insect and diseases infestation</li> <li>▪ Poor organic matter</li> </ul>	<ul style="list-style-type: none"> <li>▪ Unavailability of quality seed</li> <li>▪ Poor Knowledge</li> <li>▪ Less use of organic manure</li> </ul>	II  I III	FLD  OFT Training
iii	Orchard	<ul style="list-style-type: none"> <li>▪ Very old orchard</li> <li>▪ Not proper care of orchard</li> </ul>	<ul style="list-style-type: none"> <li>▪ Low yield of Fruits</li> <li>▪ Cracking in Guava fruits</li> <li>▪ Occurrence of diseases</li> <li>▪ Insect Incidence</li> </ul>	<ul style="list-style-type: none"> <li>▪ Improper use of Nutrients.</li> <li>▪ Deficiency of micro-nutrients</li> <li>▪ No IDM</li> <li>▪ No IPM</li> </ul>	IV III II I	Training Training  OFT OFT

<b>3.</b>	<b>Livestock</b>					
<b>S. No</b>	<b>Area/ Enterprise</b>	<b>Present situation</b>	<b>Problems</b>	<b>Gap analysis</b>	<b>Rank-ing</b>	<b>Solution</b>
i.	Cow / Buffalo/ Goat	<ul style="list-style-type: none"> <li>No improve breeds</li> <li>No proper cattle shed.</li> <li>Imbalance feeding.</li> </ul>	<ul style="list-style-type: none"> <li>Very low yield of milk due to imbalance feeding</li> <li>Infertility</li> <li>No timely conception</li> <li>Mortality in calves and kids.</li> <li>Occurrence of diseases</li> </ul>	<ul style="list-style-type: none"> <li>40-50% gap in milk yield due to lack of knowledge of about commercial livestock</li> <li>No use of mineral mixture.</li> <li>No Proper feeding.</li> <li>No deworming of kids and proper feeding of colostrum</li> <li>Insufficient vaccination</li> </ul>	II  III  I IV   V	Training.  OFT.  OFT. Demo.   Demo.
ii	Poultry	<ul style="list-style-type: none"> <li>Local Breed</li> <li>No proper feeding</li> </ul>	<ul style="list-style-type: none"> <li>Low Production of Eggs and Meat.</li> <li>Higher mortality</li> </ul>	<ul style="list-style-type: none"> <li>Lack of awareness regarding advance breed.</li> <li>No vaccination.</li> </ul>	II I	Demo Training.
<b>3.</b>	<b>Home Science</b>					

S. No	Area/ Subject	Present situation	Problems	Gap analysis	Ranking	Solution
i.	<b>Women share in Agriculture</b>	<ul style="list-style-type: none"> <li>45 % work involvement</li> <li>In different Agriculture activities</li> </ul>	<ul style="list-style-type: none"> <li>No technical knowledge</li> <li>More drudgery</li> </ul>	<ul style="list-style-type: none"> <li>Only 5-10% farm women aware about technical management</li> <li>No drudgery reduction</li> </ul>	I II	Training . Training.
ii.	<b>Nutritional Security</b>	<ul style="list-style-type: none"> <li>Farm women are effected by mall nutrition</li> </ul>	<ul style="list-style-type: none"> <li>Mostly women are anemic and suffering from arthritis .</li> <li>No proper availability of fruits and vegetable.</li> </ul>	<ul style="list-style-type: none"> <li>No timely taking proper breakfast &amp; meals.</li> <li>Not maintaining nutritional garden</li> </ul>	II I	Training Demo.
iii.	<b>Value Addition</b>	<ul style="list-style-type: none"> <li>No Consumption of value added products.</li> </ul>	<ul style="list-style-type: none"> <li>lack of Knowledge regarding post harvest technology.</li> <li>No proper method of processing .</li> </ul>	<ul style="list-style-type: none"> <li>Not aware about value addition and benefits.</li> <li>No knowledge of processing .</li> </ul>	I II	Demo. Demo

## Problem Cause Diagram of Mustard





# ACTION PLAN OF KVK HATHRAS

(1<sup>st</sup> January 2024 to 31<sup>st</sup> December 2024)

## 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
KrishiVigyan Kendra, Rati KaNagala, Sikandra Rao Road, Hathras (UP) INDIA, PIN 204101	Office/Personnel 9412564154	FAX	pckvkhathras@gmail.com	http://mahamayanagar.kvk4.in/

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

Address	Telephone		E mail	Website
	Office	FAX		
Chandra Shekhar Azad University of Agriculture and Technology, Kanpur-208002	0512-2554600	0512-2533808	directcsau@gmail.com	http://csauk.ac.in

1.2.b. Status of KVK website: Yes ; Date when the website last updated: 28.09.2023

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) :

1.2.d Status of ICT lab at your KVK : No.

a) No. of PC units : 01

b) No. of Printers : 01




c) Internet connection : No



### 1.3. Name of the Programme Coordinator with phone & mobile no.

Name	Telephone / Contact		
Dr. A.K.Singh	Office	Mobile	Email
	-	9412564154	pckvkhathras@gmail.com

1.4. Year of sanction: 2009

### 1.5. Staff Position (as on 31<sup>st</sup> August, 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent
1.	Head & Sr. Scientist	Dr A. K. Singh	Senior Scientist and Head	Agronomy	37000-67400	10000	218200	16.11.1991	Permanent	GEN	9412564154	pckvkhathras@gmail.com	
2.	Scientist	Dr .Vinod Prakash	Scientist	Extension	15600-39100	8000	113700	29.11.2004	Permanent	SC	9411941294	vpkvk10@gmail.com	
3.	Scientist	Dr S. R. Singh	Scientist	Plant Protection	15600-39100	8000	104100	11.04.2008	Permanent	SC	9454346490	Singh_sr@rediffmail.com	
4.	Scientist	Vacant											

5.	Scientist	Dr Kamal Kant	Scientist	Agri. Engineering	15600-39100	8000	104100	11.04.2008	Permanent	SC	9412502884	kamalkant.iari@gmail.com	
6.	Scientist	Dr Pushpa Devi	Scientist	Home Science	15600-39100	8000	104100	07.12.2004	Permanent	SC	9452629071	pushpadoharey79@gmail.com	
7.	Scientist	Dr. Jagdish Mishra	SCIENTIST	SOIL SCIENCE	15600-39100	8000	104100	11.04.2008	Permanent	GEN	9793611959	jagdish933@gmail.com	
8.	O. S./Acctt.	Vacant											
9.	Prg.Asst-t-	Sri S. C. Katiyar	Prg. Asstt. (Computer)	---	35400-112400	4200	58600	25.07.2007	Permanent	OBC	9935108124	s.c.katiyar2507@gmail.com	
10.	Prg.Asst-t	Vacant	---	---	---	---	---	---	---	---	---	---	---
11.	Stenographer grade III	Sri. Sanjay Kumar	Steno Grapher Grade III	---	5200-20200	2400	44100	05.12.2007	Permanent	OBC	9457687127	sanju_up2005@yahoo.com	
12.	Farm Manager	Vacant	---	---	---	---	---	---	---	---	---	---	---
13.	Driver Tractor	Sri Amritpal Singh	Tractor Driver		5200-20200	1900	23100	06.12.2018	Permanent	GEN	9761481979	amritpalkvk@gmail.com	
14.	Driver Jeep	Sri Ram Parkesh	Jeep driver	---	5200-20200	1900	39200	07.05.2007	Permanent	SC	9450341856	---	
15.	Supp-1	Sri Kuldeepsingh	Anusewak	---	5200-20200	1800	28800	14.03.2008	Permanent	PWD	9557197142	ksyadav1976@gmail.com	
16.	Supp-2	Sri Vijay Bahadur	Anusewak		5200-20200	1800	30200	14.07.2007	Permanent	OBC	7786929641	-----	

**1.6. Total land with KVK (in ha) :**

S. No.	Item	Area (ha)
1.	Under Buildings	1.0
2.	Under Demonstration Units	1.0
3.	Under Crops	15.0
4.	Horticulture	-
5.	Pond	-
6.	Others if any	.0.75
	<b>Total</b>	<b>17.75</b>

### 1.7. Infrastructural Development:

#### A) Buildings

S. No.	Name of building	Source of funding		Stage					
		ICAR	RKVY	Complete			Incomplete		
				Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR						Incomplete	ICAR
2.	Farmers Hostel	ICAR			Plinth level			Incomplete	ICAR
3.	Staff Quarters (6)	ICAR			Plinth level			Incomplete	ICAR
4.	Demonstration Units (2)	RKVY	2021					complete	RKVY
5	Fencing	RKVY	2021					complete	RKVY
6	Rain Water harvesting system	-							-
7	Threshing floor	ICAR						Incomplete	ICAR
8	Farm go down	ICAR						Incomplete	ICAR

#### B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on March, 2023	Present status
TUV-300	2020	RKVY	950000	150000	O.K
Tractor	2010	ICAR	400, 000	10000	O.K.

#### C) Equipment's & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
COMPUTER	2018	35000	O.K
LAPTOP	2020	45000	O.K

### 1.8. A). Details of SAC meetings to be conducted in the year

Sl.No.	Date
1. Scientific Advisory Committee	Sept., 2022

## 2. DETAILS OF MICRO-FARMING SITUATIONS OF THE DISTRICT

Hathras (Erstwhile Mahamaya Nagar) district situated in south western semi-arid eco-system (zone - IV) of U.P. It is located at Latitude of 27<sup>0</sup>-29.11<sup>0</sup> North and longitude of 77.29<sup>0</sup> - 78.26<sup>0</sup> East and is about 179.8 meter above mean sea level. District Hathras is surrounded by Aligarh in North, Agra in South, Kanshi Ram Nagar in East and in west by Mathura. There are 4 sub divisions and seven development blocks in district. The total geographical area of the district is 178968 ha; out of which net sown area is 145636 hectares. The area under irrigation is 144393 hectares. The cropping intensity is around 170 per cent. District enjoys moderate climate throughout the year. It is characterized by hot summer, cold winter and moderate rainy season. The annual rainfall is about 656 mm.

The soil of the district Hathras is alluvial soils. These soils characterized by their depth and a gray or grayish brown color. Their texture varies from sandy, sandy loam to clay loam. Structure is also variable, being loose, open

and free draining in case of sandy soils and compact imperious in case of the clayey soils. In general the whole area is an indo gangetic plain with a gentle slope from North-West to South-East. Significant area of district is alkaline also. Hence, the coverage. Intensity and patterns of crops and farming systems are different from one area to another area. Jwar, Bajra, Maize, Cotton, Paddy, Arhar and Moong are major crops during kharif, while Wheat, Mustard field pea and potato are commonly grown in rabi season. Cotton and Sugarcane (with small area) are major cash crops of the district. Summer Bajra has been introduced recently and now the area under the crop increased markedly. The small and marginal farmers are growing vegetable like cucurbits, Brinjal and Onion. Guava, Mango. Aonla and Ber are main fruit crops of the area.

## 2.1 Micro-farming situations

### a) Characteristics

S.No.	Agro-Ecological situations (AES)	Existing Farming System (Crop+livestock+others)	Major soil types
1	AES 1 (South west Gangetic region (semi-arid to tropical))	Crop production Crop production +Dairy Crop production+ Dairy+ Goatry+ Poultry Crop production +Dairy Horticulture	Shallow soils, Sandy loam soil,
2	AES 2 (South west Gangetic region (semi-arid to tropical))	Crop production Crop production +Dairy Crop production+ Dairy+ Goatry+ Poultry Crop production +Dairy Horticulture	Deep soil sandy in texture poor in fertility

### b) Land Characteristics

S.No	Agro-Ecological Situation (AES)	Topography	Drainage
1.	AES 1 (South west Gangetic region (semi-arid to tropical))	Shallow soils, Sandy loam soil, irrigated, problem of brackish water irrigated with canal and tube well, rice and rose is also grown.	Poor water holding capacity Shallow soil depth Poor fertility Lacking organic carbon contents Well drained
2.	AES 2 (South west Gangetic region (semi-arid to tropical))	Deep soil sandy in texture poor in fertility irrigated with canal tube well, Bajra and Maize in Kharif and Wheat in Rabi is grown	Poor in drainage Good water holding capacity. Problem of salinity Good soil depth. Well fertile.

### c) AES-wise major problems

S. N.	Agro-Ecological Situation	Major problems	Rank
1.	AES-1 (Name)	Poor water holding capacity Shallow soil depth Poor fertility Lacking organic carbon contents Problem of brackish water irrigated with canal and tube well	4 5 2 3 1
2.	AES-2 (Name)	Poor in drainage Problem of salinity Deep soil sandy in texture poor in fertility irrigated with canal tube	2 1 3

## 2.2. Area, Production and Productivity of major crops cultivated in the district (2020)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)	Yield gap (q/ha) with respect to demo	Yield gap (q/ha) with respect to potential yield
1	Rice	21881	46519	21.26		
2	Wheat	78656	319815	40.66		
3	Barley	2018	7000	34.69		
4	Maize	09	25	28.02		
5	Bajra	39932	73914	18.51		
6	Urd	120	648	5.40		
7	Moong	62	256	4.14		
8	Arhar	607	1200	2.00		
9	Cotton	1.448	18210	12.47		
10	Mustard	10900	16672	15.30		
11	Potato	43.59	11240	257.85		

Source: District agriculture department.

## 2.3. Weather data (2022-23)

Year	Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2022	April-22	35	38	15	-	
	May-22	10	44	25	-	
	June-22	60	45	37	-	
	July-22	90	42	38	-	
	August-22	83	40	33	-	
	Sept-22	49	39	26	-	
	October-22	08	35	21	-	
	November-22	0.00	30	19	-	
	December-22	0.00	27	12	-	
	January-23	0.00	15	7	-	
2023	Feb-23	0.00	21	13	-	
	March-23	41	31	20	-	
<b>Total</b>		376mm				
<b>Average Annual</b>			<b>33.91</b>	<b>22.16</b>	<b>30</b>	

## 2.4 Production and productivity of livestock, Poultry, Fisheries etc. in the district (2022)

Category	Population	Production	Productivity	Productivity gap
<b>Cattle</b>				
Crossbred	5074	Not available	Not available	Not available
Indigenous	50518			
<b>Buffalo</b>	353594			
<b>Sheep</b>	8427			
<b>Goats</b>	83932			
<b>Cattle</b>				
Crossbred				
Indigenous				
<b>Pigs</b>	13676			
<b>Poultry</b>	46295			
Hens				
Desi				
<b>Category</b>		<b>Production (q)</b>	<b>Productivity</b>	
Fish (Reservoir)				

\*Statically report

## 2.5 Details of Operational area / Villages

S.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Sasni	Sasni	Khorna	Potato Wheat, Chilli, Ladyfinger. Tomato, cauliflower	➤ Poor productivity of vegetables and Potato due to disease and insect infestation	➤ Poor productivity and quality of vegetables. ➤ Popularization of hybrid seed of vegetables. ➤ Soil and water management. ➤ I.N.M. ➤ I.P.M. ➤ I.D.M.
2	Sasni	Sasni	Sumrat Garhi	Potato, Wheat, Mustard Bajra, moong and urd Dairying and Goat rearing	➤ Poor productivity of Potato, wheat, bajra, moong, urd and Mustard due to old seed. ➤ Dairying and Goat rearing	➤ Poor productivity of food grains. ➤ Popularization of hybrid seed of Bajra with INM. ➤ Increasing productivity of pulses and oil seeds. ➤ Soil and water management. ➤ Use of Sulphur in mustard ➤ I.P.M.
3	Hathras	Mursan	Ahvaranpur	Rice, Wheat, Mustard Bajra, Potato, Vegetables, Dairying and Goat rearing	➤ Poor productivity of wheat, mustard, Bajra, rice and vegetables due to weed infestation ➤ Dairying and Goat rearing	➤ Poor productivity of food grains. ➤ Popularization of hybrid Bajra, Maize and Rice and vegetables cultivation. ➤ Increasing productivity of oil seeds. ➤ Soil and water management. ➤ I.N.M. ➤ Direct seeding of rice
4	Sasni	Sasni	Ruheri	Potato Wheat, paddy, Chilli, Ladyfinger. Tomato, Cauliflower,	➤ Poor productivity of Potato Wheat, paddy, Chilli, Ladyfinger. Tomato, Cauliflower due to disease and insect infestation	➤ Poor productivity and quality of vegetables. ➤ Popularization of hybrid seed of vegetables. ➤ Soil and water management. ➤ I.N.M. ➤ I.P.M. ➤ I.D.M.
5	Sikandra Rao	Hasayan	Bharatpur	Potato, Wheat, paddy, Chilli, Ladyfinger. Tomato, Brinjal, Cauliflower, Rose, Marigold	➤ Poor productivity due to disease and insect infestation ➤ Incorporation of residue of Rice	➤ Poor productivity and quality of vegetables. ➤ Popularization of hybrid seed of vegetables. ➤ Soil and water management. ➤ I.N.M. ➤ I.P.M. ➤ Crop residue management

## 2.6 Top five major priority thrust areas:

- Increasing productivity of pulses and oil seeds.
- Suitable measure for infertility and balanced nutrition in dairy cattle and buffaloes.
- Conservation of household resources and income generating activities and farmer's groups for their socio-economic upliftment
- To introduce improved varieties of seeds, fruits, vegetables & off season vegetable cultivation.
- Advanced agricultural machinery/implement for precision farming

### 3. TECHNICAL PROGRAMME

#### 3 A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
09	50	100 ha	264

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
100	2980	600	14480

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
Farm is not working	30000	NA	150

#### 3 B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.

1	Disease management	Rice	Incidence of Disease	Management of rice blast through fungicides	-	Management of rice blast through fungicides	-	Training, Field day	Fungicide
2	Pest management	Brinjal	Heavy infestation of Fruit and shoot borer	Management of fruit and stem borer through insecticide and bio-Pesticide in brinjal.	-	IPM in brinjal	-	Training Field day	Bio-pesticides and insecticides
3	Pest management	Chilli	Heavy infestation of Leaf curl.	Management of leaf curl of chilly through insecticide.	-	Disease management in chilli	-	Training Field day	Insecticides
4	Water management	Vegetable	Less irrigation water available	Judicious use of irrigation water	-	-	-	Training Field day	Polythene film
5	Food security	Farm women	Low nutritional status of farm women	Improvement of Nutritional status of farm women through blended wheat flour				Field day, Training	Fortified wheat flour
6	Food security	Adolescent girl	Deficiency of Hemoglobin in adolescent girls.	Intervention of value added jaggery for increasing the Hemoglobin level of adolescent girls				Field day, Training	Different preparations from jaggery
7	Food preservation	Farm women	Increase the keeping quality of muraba and pickles	--	Preservation of aonla and mango	Preservation of fruits		Field day, Training	recommended dose of preservatives & selection of varieties
8	Nutritional kitchen gardening	Farm women	variety of vegetables	--	Nutritional kitchen gardening to enhance health status of family	Importance of kitchen gardening for household food security		Field day, Training	Seed, Bio-Pesticide
9	Drudgery reduction	Maize and vegetables	Fatigue during Manual labour		Wheel hoe	Inter culture operation in crops by wheel hoe		Field day, Training	Wheel hoe
10	Farm implement	Wheat	Broadcasting seeding		Seed-cum-ferti drill	Awareness of seed cum ferti drill for precision farming		Field day, Training	Seed-cum-ferti drill
11	Disease management in Potato	Potato	Poor Quality and low yield of potato	Assessment of suitable chemical for controlling black scurf disease of potato	--	---	----	Field day, Training	chemical
12	Late blight of potato management	Potato	Low yield due to disease incidence	-	Management of late blight through fungicides	Identification and management of potato diseases	-	Field day, Training	Fungicide



### 3.1 Technologies to be assessed

#### A.1 Abstract on the number of technologies to be assessed in respect of **crops**

Thematic areas	Cereals	Oilseed s	Pulse s	Commerci al Crops	Vegetable s	Fruit s	Flower	Plantati on crops	Tube r Crop s	TOTAL
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	2	-	-	-	-	-	-	-	-	2
Integrated Crop Management	1	-	-	-	-	-	-	-	-	1
Integrated Nutrient Management	2	-	-	-	-	-	-	-	-	2
Integrated Farming System	1	-	-	-	-	-	-	-	-	1
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	3	-	-	-	-	-	-	-	-	3
Integrated Disease Management	1	-	-	-	-	-	-	-	-	1
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	10	-	-	-	-	-	-	-	-	10

#### A.2. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management	-	-		1		1		2
Disease of Management	-	-		-	-	-	-	-
Value Addition	-	-		-	-	-	-	-
Production and Management	-	-		-	-	-	-	-
Feed and Fodder	-	-		-	-	-	-	-
Small Scale income generating enterprises	-	-		-	-	-	-	-
<b>TOTAL</b>	-	-		1	-	1	-	2

#### B. Details of On Farm Trial (at least 3-4 OFTs shall be composite in nature)

##### OFT- 1

Crop/Enterprise	-	Rice
Title	-	Management of weeds
Problem	-	Poor yield and less profit in rice

Majorcause	-	<i>Echinochloa</i> Sp.(32%) <i>Leptochloachinensis</i> (10%) <i>Cyprus</i> (15-18%)	
ProductionSystem		Ricebasedcroppingsystem	
Farmers’Practices	-	Sprayofbispyribacsodium@200ml/ha	
Technologies selectedforassessment	-	T <sub>1</sub>	Farmerspractices(sprayofbispyribacsodium @200ml/ha)
		T <sub>2</sub>	Fenoxypopethyl6.9EC @625 ml/ha
Sourceof tech.	-	CRRI,Cuttack	
No.offarmers	-	05	
Criticalinput	-	Herbicide	
Performanceindicators			
(i)Technical	-	(i)Tillers/sqm(ii)Weedpopulation(iii)Yieldq/ha	
(ii)Economic	-	Cost benefit ratio	
(iii)Social	-	Acceptance	

#### OFT -2

Crop/Enterprise	-	Wheat	
Title	-	Managementofweeds	
Problemdiagnosed	-	Low yieldofwheat	
Majorcause		Infestation of weed like as <i>Phalarisminor</i> (40%), <i>Bathua</i> (20%)and <i>Gajri</i> (10%)	
ProductionSystem		Ricebased	
Farmers’Practices	-	Farmerspractices(ApplicationofSulphosulphuran75%+Metsulphuron5%WG@40g/haat30-35 DAS)	
Technologies	-	T <sub>1</sub>	ApplicationofSulphosulphuran75%+Metsulphuron5%WG@40g/haat30-35DAS
		T <sub>2</sub>	ApplicationofCladinofo9%+Metribuzin20%WP@600g/haat30-35DAS
Source	-	ICAR-IIWBR,Karnal	
No.offarmers	-	05	
Criticalinput	-	Herbicide	
Performanceindicators			
(i)Technical	-	(i)Tillers/sqm(ii)Weedpopulation(iii)Yieldq/ha	
(ii)Economic	-	Costbenefitratio	
(iii)Social		Acceptability	

## OFT- 3

Crop/Enterprise	-	Rice
Title of on farm trial	-	Management of Stem borer of rice
Problem diagnosed	-	Low yield of rice
Production system		Maize based cropping system
Farmers' Practices	-	Spray of quinolphos @ 1.0l/ha Chlorantraniliprole (Coragen) 18.5 SC @ 1 ml / 3 ltr water) at emergence of white ear
Technologies selected for assessment	T <sub>1</sub>	Farmers Practices (Spray of quinolphos @ 1.0l/ha or Chlorantraniliprole (Coragen) 18.5 SC @ 1 ml / 3 ltr water) at emergence of white ear
	T <sub>3</sub>	Spraying of Flubendiamide 20% WG @ 125 g/ha as foliar application at tillering stage
Source	-	TNAU, Coimbatore
No. of farmers	-	05
Critical input	-	Insecticides
Performance indicators		
(i) Technical	-	(i) Population of insect/plant (ii) No. of infected plant/sq m (iii) Yield
(ii) Economic	-	Cost benefit ratio

## OFT- 4

Crop/Enterprise	-	Potato
Title of on farm trial	-	Management of fertilizer doses
Problem diagnosed	-	Low yield of potato
Major cause		Imbalance use of fertilizers (172:145:30 kg NPK/ha)
Production System		Maize based
Farmers' Practice	-	Imbalanced dose of fertilizers
Technologies selected for assessment	T <sub>1</sub>	Farmers practice – 172:145:30 kg NPK/ha (100 kg N and full P and K) Sowing and rest Nitrogen is given after irrigation water 2 times
	T <sub>2</sub>	Fertilizer doses on soil test basis (180:80:100 kg NPK/ha) (½ N and P & K sowing time and remaining nitrogen in two split doses after 1 <sup>st</sup> and 2 <sup>nd</sup> irrigation)
Source of Techn.		ICAR-CPRI-RS, Modipuram, Meerut
No. of farmers	-	05
Critical input	-	Fertilizers
Performance indicators		
(i) Technical	-	(i) Tuber size (ii) No. of tubers/plant (iii) Yield
(ii) Economic	-	Cost benefit ratio
(iii) Social	-	Farmer perception

## OFT-5

Crop/Enterprise	-	Potato
Title of on farm trial	-	Management of black scurf diseases of potato.
Problem diagnosed	-	Low yield and poor quality of potato
Major cause		Black scurf disease (Disease Incidence up to 60%)
Production System		Maize based
Farmers' Practices	-	Azoxystrobin (Mirador) @ 250 ml per ha seed
Technologies selected for assessment	T <sub>1</sub>	Farmers Practices (Azoxystrobin (Mirador) @ 250 ml/ha seed
	T <sub>2</sub>	Seed treatment with Penflufen 240 FS @ 200 ml per ha seed
Source of technology	-	ICAR- CPRI-RS, Modipuram, Meerut
No. of farmers	-	05
Critical input	-	Fungicides
Performance indicators		
(i) Technical	-	Diseases intensity, No. of infected tube /sqm , Yield
(ii) Economic	-	Cost benefit ratio
(iii) Social	-	Farmer perception

## OFT - 6

Crop/Enterprise	-	Potato
Title of on farm trial	-	Management of late blight diseases of potato
Problem diagnosed	-	Reduction in yield of potato
Major Cause		Occurrence of late blight disease (Disease up to 80-90%)
Production system		Maize based
Farmers' Practices	-	Farmers Practices ( 2-3 Spraying of Mancozeb as prophylactic spray and Metalaxyl (4%) + Mancozeb 64% (Ridomil gold) @ 2.0 kg/ ha.
Technologies selected for assessment	T <sub>1</sub>	Farmers Practices ( 2-3 Spraying of Mancozeb as prophylactic spray and Metalaxyl (4%) + Mancozeb 64% (Ridomil gold) @ 2.0 kg/ ha.
	T <sub>2</sub>	1-2 Spray of Mancozeb as prophylactic spray and Spraying of Mancozeb @ 2.0 kg + Dimethomorph @ 1.0 kg/ ha just after appearance of disease and 2 <sup>nd</sup> after 8-10 days interval
Source		ICAR- CPRI-RS, Modipuram, Meerut
No. of farmers	-	05
Critical input	-	Fungicides
Performance indicators		

(i) Technical	-	Diseases intensity, Yield
(ii) Economic	-	Cost benefit ratio
(iii) Social	-	Farmer perception

#### OFT 7

Enterprise	-	Buffalo
Title	-	Management of low milk yield in buffalo
Major cause	-	Mall nutrition due to poor feeding
Livestock farming system		Mixed farming
Thematic area	-	Feeding management
Farmers' Practices	-	Imbalance feeding
Technologies selected for assessment	T <sub>1</sub>	Farmer practice (Conventional feeding)
	T <sub>2</sub>	Use of By-pass protein @ 05 kg/day/animal
Source of technology	-	ICAR-NDRI, Karnal
No. of animals	-	05+05 (Homogenous group of animals)
Duration	-	90 days
Critical Input	-	By-pass protein (Rs. 3600/animal)
Performance indicators		
(i) Technical		1- Daily milk yield 2- Fat% 3- SNF %,
(ii) Economic		C:B ratio
(iii) Social		Feedback and farmer's reaction

#### OFT -8

Enterprise	-	Buffalo
Title of on-farm trial	-	Effect of dewormer and proper feeding of colostrums in newly born calves.
Problem diagnosed	-	Mortality of Buffalo calves due to endo-parasites and improper feeding of colostrums.
Farmers' Practices	-	Imbalance feeding
Technologies selected for assessment	T <sub>1</sub>	Farmer practice (No use of dewormer and improper feeding of colostrum)
	T <sub>2</sub>	Albendazole @ 1.0 ml per Kg body weight given in 4 dose at the time 5, 25, 60 and 90 days and proper feeding of colostrums
Source of technology	-	IVRI, Izzatnagar
No. of animals	-	5
Critical Input	-	Albendazole
Performance indicators		
(i) Technical		No. of cure Animal

(ii) Economic		1. Additional cost and profit 2. C:B ratio
(iii) Social		Feedback and farmer's reaction

#### OFT- 09

Particulars	Content
<b>Crop/Enterprise</b>	<b>IFS Module for one acre area</b>
Title of OFT	<b>DFI Through IFS module</b>
Problem diagnose	Low income due to Rice-Wheat Cropping
Thematic area	Integrated farming system
Farming situation	Irrigated
Farmer's Practice	T <sub>1</sub> - Existing practice of Rice-wheat cropping
Details of technology selected for assessment / refinement	T <sub>2</sub> -Crop Production withVegetables+ Livestock and other allied activities
Source of technology	ICAR-IIFSR, Modipuram, Meerut
No. of farmers	5
Area	1 acre per location
Critical input	Critical Inputs will be provided in participatory mode
Performance indicator	1. Total Income 2. Cost of cultivation (Rs./ha) 3. Net Return (Rs./ha) 4. B:C ratio
<b>Reaction of the farmers</b>	Profitability and Acceptability by the farmers

#### Detail of Interventions to be taken in targeted farmers field

S.N.	Proposed Intervention in T <sub>2</sub>	Size (ha)
1	Vegetable Cultivation	0.2 Acre
2	Crop Production	0.5 Acre
3	Fodder	0.2 Acre
4	Mushroom (50 m <sup>2</sup> )	-
5	Dairy (3 Buffaloes)	-
6	<b>Vegetable Nursery (500 m<sup>2</sup>)</b>	0.1 Acre
	<b>Total</b>	<b>1 Acre</b>

### 3.2 Frontline Demonstrations

#### A. Details of FLDs to be organized -

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demonstration.	Parameters identified (Yield related attributes, yield economics and farmers' perception)
1	Potato	Irrigated	Fungicide evaluation	Curzate M-8	Rabi	2	10	Disease incidence & C : B ratio
2	Tomato	Irrigated	Varietal	Seed	Rabi	1	5	Yield, net return B:C ratio
3	Brinjal	Irrigated	Varietal	Seed	Rabi	2	10	Yield, net return B:C ratio

4	Rose	Irrigated	IDM	Insecticide	Rabi	10	25	Disease incidence & C : B ratio
5	Wheat	VE	Improved Variety	Seed	Rabi	10	25	Yield & Net Return
6	Rice	VE	Improved Variety	Seed	Kharif	10	25	Yield & Net Return
7	Mustard	VE	Improved Variety	Seed and sulphur	Rabi	20	50	return B:C ratio
8	Moong	VE	Improved Variety	Seed and Rhizobium Culture	Zaid	20	50	Yield, net return B:C ratio
9	Urd	VE	Improved Variety	Seed And Rhizobium Culture	Zaid	10	25	Yield, net return B:C ratio
10	Bajra	VE	Variety	Seed	Kharif	5	15	Yield, net return B:C ratio
				<b>Total</b>		<b>90</b>	<b>240</b>	

#### Sponsored Demonstration

Crop	Area (ha)	No. of farmers
Oilseed and pulses crops	50	125

#### B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	25	Nov, Jan, Feb, March-April	845
2	Farmers Training		Oct, Nov, Jan, Feb, March-April	
3	Media coverage	30	Oct, Nov, Jan, Feb, March-April	
4	Training for extension functionaries		Oct, Nov, Jan, Feb, March-April	

#### C. Details of FLD on Enterprises

##### (i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Wheel hoe	Maize and vegetables	Kharif / Rabi-23-24	12	5	Wheel hoe	Drudgery reduction
Seed-cum-ferti drill	Wheat	Rabi-23-24	12	5	Seed-cum-ferti drill	Farm implement

##### (ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators

### 3.3 Training (Including the sponsored and FLD training programmes):

#### ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	15	5	20	10	5	15	35
Resource Conservation Technologies	1	15	5	20	10	5	15	35
Cropping Systems								
Crop Diversification								
Site specific nutrient management								
Integrated Farming	1	15	5	20	10	5	15	35
Water management								
Seed production								
Nursery management								
Integrated Crop Management	1	15	5	20	10	5	15	35
Fodder production	1	15	5	20	10	5	15	35
Production of organic inputs								
Natural farming	1	15	5	20	10	5	15	35
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	1	15	5	20	10	5	15	35
Off-season vegetables	1	15	5	20	10	5	15	35
Nursery raising	1	15	5	20	10	5	15	35
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	1	15	5	20	10	5	15	35
Natural farming								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								



Cultivation of Fruit	1	15	5	20	10	5	15	35
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards	1	15	5	20	10	5	15	35
Plant propagation techniques								
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology								
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management technology								
PHT and value addition								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	15	5	20	10	5	15	35
Soil and Water Conservation	1	15	5	20	10	5	15	35
Integrated Nutrient Management	1	15	5	20	10	5	15	35
Production and use of organic inputs								
Management of Problematic soils	1	15	5	20	10	5	15	35

Micro nutrient deficiency in crops	1	15	5	20	10	5	15	35
Nutrient Use Efficiency								
Soil and Water Testing								
<b>IV Livestock Production and Management</b>								
Dairy Management	1	15	5	20	10	5	15	35
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management	1	15	5	20	10	5	15	35
Feed management	1	15	5	20	10	5	15	35
Production of quality animal products								
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	5	15	20	0	5	5	25
Design and development of low/minimum cost diet	1	5	15	20	0	5	5	25
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs	1	5	15	20	0	5	5	25
Storage loss minimization techniques								
Value addition	1	5	15	20	0	5	5	25
Income generation activities for empowerment of rural Women	1	5	15	20	0	5	5	25
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care	1	5	15	20	0	5	5	25
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices	1	15	5	20	10	5	15	35
Production of small tools and implements								
Repair and maintenance of farm machinery and implements	1	15	0	15	10	0	10	25

Small scale processing & value additi								
Post Harvest Technology	1	15	5	20	10	5	15	35
<b>VII Plant Protection</b>								
Integrated Pest Management	2	15	5	20	10	5	15	35
Integrated Disease Management	2	15	5	20	10	5	15	35
Bio-control of pests and diseases	1	15	5	20	10	5	15	35
Production of bio control agents and bio pesticides								
<b>VIII Fisheries</b>								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
<b>IX Production of Inputs at site</b>								
Seed Production	1	15	5	20	10	5	15	35
Planting material production	1	15	5	20	10	5	15	35
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production	1	15	5	20	10	5	15	35
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								

Production of livestock feed and fodder								
Production of Fish feed								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	1	15	5	20	10	5	15	35
Group dynamics	1	15	5	20	10	5	15	35
Formation and Management of SHGs/FPOs etc	1	15	5	20	10	5	15	35
Mobilization of social capital	1	15	5	20	10	5	15	35
Entrepreneurial development of farmers/youths	1	15	5	20	10	5	15	35
WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>40</b>	<b>540</b>	<b>255</b>	<b>795</b>	<b>340</b>	<b>195</b>	<b>535</b>	<b>1330</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	1	10	5	15	5	5	10	25
Bee-keeping								
Integrated farming								
Seed production	1	10	5	15	5	5	10	25
Production of organic inputs								
Integrated Farming (Medicinal)								
Planting material production	1	10	5	15	5	5	10	25
Vermi-culture	1	10	5	15	5	5	10	25
Sericulture								
Protected cultivation of vegetable crops	1	10	5	15	5	5	10	25
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	1	10	5	15	5	5	10	25
Training and pruning of orchards								
Value addition	1	10	5	15	5	5	10	25

Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching	1	0	15	15	0	10	10	25
Rural Crafts								
<b>TOTAL</b>	<b>8</b>	<b>70</b>	<b>50</b>	<b>120</b>	<b>35</b>	<b>45</b>	<b>80</b>	<b>200</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	1	10	5	15	5	5	10	25
Integrated Pest Management	1	10	5	15	5	5	10	25
Integrated Nutrient management	1	10	5	15	5	5	10	25
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs	1	10	5	15	5	5	10	25
Group Dynamics and farmers organization	1	10	5	15	5	5	10	25
Information networking among farmers	1	10	5	15	5	5	10	25
Capacity building for ICT application	1	10	5	15	5	5	10	25

Care and maintenance of farm machinery and implements	1	10	5	15	5	5	10	25
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security								
Women and Child care	1	10	5	15	5	5	10	25
Low cost and nutrient efficient diet designing								
Production and use of organic inputs	1	10	5	15	5	5	10	25
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
<b>TOTAL</b>	<b>10</b>	<b>100</b>	<b>50</b>	<b>150</b>	<b>50</b>	<b>50</b>	<b>100</b>	<b>250</b>
<b>G. Total</b>	<b>58</b>	<b>710</b>	<b>355</b>	<b>1065</b>	<b>425</b>	<b>290</b>	<b>715</b>	<b>1780</b>

#### A) OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management								
Resource Conservation Technologies	1	15	5	20	10	5	15	35
Cropping Systems								
Crop Diversification								
Site specific nutrient management								
Integrated Farming	1	15	5	20	10	5	15	35
Water management								
Seed production								
Nursery management								
Integrated Crop Management								
Fodder production	1	15	5	20	10	5	15	35
Production of organic inputs								
Natural farming	1	15	5	20	10	5	15	35
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables	1	15	5	20	10	5	15	35
Nursery raising	1	15	5	20	10	5	15	35
Exotic vegetables like Broccoli								

Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
Natural farming								
<b>b) Fruits</b>								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit	1	15	5	20	10	5	15	35
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards	1	15	5	20	10	5	15	35
Plant propagation techniques								
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology								
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	15	5	20	10	5	15	35
Soil and Water Conservation	1	15	5	20	10	5	15	35
Integrated Nutrient Management	1	15	5	20	10	5	15	35

Production and use of organic inputs								
Management of Problematic soils	1	15	5	20	10	5	15	35
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
<b>IV Livestock Production and Management</b>								
Dairy Management	1	15	5	20	10	5	15	35
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management	1	15	5	20	10	5	15	35
Feed management	1	15	5	20	10	5	15	35
Production of quality animal products								
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	5	15	20	0	5	5	25
Design and development of low/minimum cost diet	1	5	15	20	0	5	5	25
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition	1	5	15	20	0	5	5	25
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care	1	5	15	20	0	5	5	25
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements	1	15	0	15	10	0	10	25
Small scale processing and value addition								
Post Harvest Technology	1	15	5	20	10	5	15	35



<b>VII Plant Protection</b>								
Integrated Pest Management	2	15	5	20	10	5	15	35
Integrated Disease Management	2	15	5	20	10	5	15	35
Bio-control of pests and diseases	2	15	5	20	10	5	15	35
Production of bio control agents and bio pesticides								
<b>VIII Fisheries</b>								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
<b>IX Production of Inputs at site</b>								
Seed Production	1	15	5	20	10	5	15	35
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production	1	15	5	20	10	5	15	35
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	2	15	5	20	10	5	15	35
Group dynamics								
Formation and Management of SHGs/FPOs etc	1	15	5	20	10	5	15	35
Mobilization of social capital	1	15	5	20	10	5	15	35

Entrepreneurial development of farmers/youths	1	15	5	20	10	5	15	35
WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>34</b>	<b>410</b>	<b>185</b>	<b>595</b>	<b>260</b>	<b>145</b>	<b>405</b>	<b>1000</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	1	10	5	15	5	5	10	25
Bee-keeping								
Integrated farming								
Seed production	1	10	5	15	5	5	10	25
Production of organic inputs								
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture	1	10	5	15	5	5	10	25
Sericulture								
Protected cultivation of vegetable								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	1	10	5	15	5	5	10	25
Training and pruning of orchards								
Value addition	1	10	5	15	5	5	10	25
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing tech.								

Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching	1	0	15	15	0	10	10	25
Rural Crafts								
<b>TOTAL</b>	<b>6</b>	<b>50</b>	<b>40</b>	<b>90</b>	<b>25</b>	<b>35</b>	<b>60</b>	<b>150</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security								
Women and Child care	1	10	5	15	5	5	10	25
Low cost and nutrient efficient diet designing								
Production and use of organic inputs	1	10	5	15	5	5	10	25
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
<b>TOTAL</b>	<b>2</b>	<b>20</b>	<b>10</b>	<b>30</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>50</b>
<b>G. Total</b>	<b>42</b>	<b>480</b>	<b>235</b>	<b>715</b>	<b>295</b>	<b>190</b>	<b>485</b>	<b>1200</b>

**B) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	15	5	20	10	5	15	35
Resource Conservation Technologies	2	30	10	40	20	10	30	70
Cropping Systems	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0
Site specific nutrient management	0	0	0	0	0	0	0	0
Integrated Farming	2	30	10	40	20	10	30	70

Water management	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Crop Management	1	15	5	20	10	5	15	35
Fodder production	2	30	10	40	20	10	30	70
Production of organic inputs	0	0	0	0	0	0	0	0
Natural farming	2	30	10	40	20	10	30	70
<b>II Horticulture</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>a) Vegetable Crops</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Production of low volume and high value crops	1	15	5	20	10	5	15	35
Off-season vegetables	2	30	10	40	20	10	30	70
Nursery raising	2	30	10	40	20	10	30	70
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	1	15	5	20	10	5	15	35
Natural farming	0	0	0	0	0	0	0	0
<b>b) Fruits</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Training and Pruning	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0
Cultivation of Fruit	2	30	10	40	20	10	30	70
Management of young plants/orchards	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	2	30	10	40	20	10	30	70
Plant propagation techniques	0	0	0	0	0	0	0	0
<b>c) Ornamental Plants</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Nursery Management	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
<b>d) Plantation crops</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
<b>e) Tuber crops</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
<b>f) Spices</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
<b>g) Medicinal and Aromatic Plants</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0
<b>III Soil Health and Fertility Management</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Soil fertility management	2	30	10	40	20	10	30	70
Soil and Water Conservation	2	30	10	40	20	10	30	70
Integrated Nutrient Management	2	30	10	40	20	10	30	70
Production and use of organic inputs	0	0	0	0	0	0	0	0
Management of Problematic soils	2	30	10	40	20	10	30	70
Micro nutrient deficiency in crops	1	15	5	20	10	5	15	35
Nutrient Use Efficiency	0	0	0	0	0	0	0	0
Soil and Water Testing	0	0	0	0	0	0	0	0
<b>IV Livestock Production and Management</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Dairy Management	2	30	10	40	20	10	30	70
Poultry Management	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0
Rabbit Management/goat	0	0	0	0	0	0	0	0
Disease Management	2	30	10	40	20	10	30	70
Feed management	2	30	10	40	20	10	30	70
Production of quality animal products	0	0	0	0	0	0	0	0
<b>V Home Science/Women empowerment</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Household food security by kitchen gardening and nutrition gardening	2	10	30	40	0	10	10	50
Design and development of low/minimum cost diet	2	10	30	40	0	10	10	50
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	1	5	15	20	0	5	5	25
Storage loss minimization techniques	0	0	0	0	0	0	0	0
Value addition	2	10	30	40	0	10	10	50
Income generation activities for empowerment of rural Women	1	5	15	20	0	5	5	25
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
Women and child care	2	10	30	40	0	10	10	50
<b>VI Agril. Engineering</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	1	15	5	20	10	5	15	35
Production of small tools and implements	0	0	0	0	0	0	0	0

Repair and maintenance of farm machinery and implements	2	30	0	30	20	0	20	50
Small scale processing and value addition	0	0	0	0	0	0	0	0
Post Harvest Technology	2	30	10	40	20	10	30	70
<b>VII Plant Protection</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Integrated Pest Management	4	30	10	40	20	10	30	70
Integrated Disease Management	4	30	10	40	20	10	30	70
Bio-control of pests and diseases	3	30	10	40	20	10	30	70
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0
<b>VIII Fisheries</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Integrated fish farming	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0
<b>IX Production of Inputs at site</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Seed Production	2	30	10	40	20	10	30	70
Planting material production	1	15	5	20	10	5	15	35
Bio-agents production	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0
Vermi-compost production	2	30	10	40	20	10	30	70
Organic manures production	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0
<b>X Capacity Building and Group Dynamics</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Leadership development	3	30	10	40	20	10	30	70
Group dynamics	1	15	5	20	10	5	15	35
Formation and Management of SHGs/FPOs etc	2	30	10	40	20	10	30	70
Mobilization of social capital	2	30	10	40	20	10	30	70

Entrepreneurial development of farmers/youths	2	30	10	40	20	10	30	70
WTO and IPR issues	0	0	0	0	0	0	0	0
<b>XI Agro-forestry</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Production technologies	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0
<b>XII Others (Pl. Specify)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL</b>	<b>74</b>	<b>950</b>	<b>440</b>	<b>1390</b>	<b>600</b>	<b>340</b>	<b>940</b>	<b>2330</b>
<b>(B) RURAL YOUTH</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Mushroom Production	2	20	10	30	10	10	20	50
Bee-keeping	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0
Seed production	2	20	10	30	10	10	20	50
Production of organic inputs	0	0	0	0	0	0	0	0
Integrated Farming (Medicinal)	0	0	0	0	0	0	0	0
Planting material production	1	10	5	15	5	5	10	25
Vermi-culture	2	20	10	30	10	10	20	50
Sericulture	0	0	0	0	0	0	0	0
Protected cultivation of vege. crops	1	10	5	15	5	5	10	25
Commercial fruit production	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	2	20	10	30	10	10	20	50
Training and pruning of orchards	0	0	0	0	0	0	0	0
Value addition	2	20	10	30	10	10	20	50
Production of quality animal products	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0

Tailoring and Stitching	2	0	30	30	0	20	20	50
Rural Crafts	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>14</b>	<b>120</b>	<b>90</b>	<b>210</b>	<b>60</b>	<b>80</b>	<b>140</b>	<b>350</b>
<b>(C) Extension Personnel</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Productivity enhancement in field crops	1	10	5	15	5	5	10	25
Integrated Pest Management	1	10	5	15	5	5	10	25
Integrated Nutrient management	1	10	5	15	5	5	10	25
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0
Formation and Management of SHGs	1	10	5	15	5	5	10	25
Group Dynamics and farmers organization	1	10	5	15	5	5	10	25
Information networking among farmers	1	10	5	15	5	5	10	25
Capacity building for ICT application	1	10	5	15	5	5	10	25
Care and maintenance of farm machinery and implements	1	10	5	15	5	5	10	25
WTO and IPR issues	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0
Women and Child care	2	20	10	30	10	10	20	50
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0
Production and use of organic inputs	2	20	10	30	10	10	20	50
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Any other (Pl. Specify)	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>12</b>	<b>120</b>	<b>60</b>	<b>180</b>	<b>60</b>	<b>60</b>	<b>120</b>	<b>300</b>
<b>G. Total</b>	<b>100</b>	<b>1190</b>	<b>590</b>	<b>1780</b>	<b>720</b>	<b>480</b>	<b>1200</b>	<b>2980</b>

Details of training programmes attached in **Annexure -I**

### 3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	25	750	70	820	20	5	25	770	75	845
KisanMela	2	400	100	500	25	5	30	425	105	530
KisanGhasthi	20	2000	300	2300	150	10	160	2150	310	2460
Exhibition	5	500	25	525	20	0	20	520	25	545
Film Show	20	450	50	500	0	0	0	450	50	500
Farmers Seminar	0	0	0	0	0	0	0	0	0	0
Workshop	0	0	0	0	0	0	0	0	0	0
Group meetings	12	250	50	300	12	0	12	262	50	312
Lectures delivered as resource persons	60	3200	600	3800	250	125	375	3450	725	4175
Newspaper coverage	50	0	0	0	0	0	0	0	0	50
Radio talks	10	0	0	0	0	0	0	0	0	10
TV talks	0	0	0	0	0	0	0	0	0	0



Popular articles	10	0	0	0	0	0	0	0	0	10
Extension Literature	22	0	0	0	0	0	0	0	0	24
<b>Advisory Services</b>	30	0	0	0	0	0	0	0	0	30
Scientific visit to farmers field	75	0	0	0	0	0	0	0	0	75
Farmers visit to KVK	60	1200	200	1400	25	0	25	1225	200	1425
Diagnostic visits	50	0	0	0	0	0	0	0	0	50
Exposure visits	25	0	0	0	0	0	0	0	0	25
Ex-trainees Sammelan		0	0	0	0	0	0	0	0	0
Soil health Camp	2	250	20	270	0	0	0	250	20	2
Animal Health Camp	2	50	10	60	0	0	0	50	10	2
Agri mobile clinic	5			0	0	0	0	0	0	5
Soil test campaigns	2	125	25	150	0	0	0	125	25	2
Farm Science Club Conveners meet	12	120	20	140	0	0	0	120	20	12
Self Help Group Conveners meetings	12	250	50	300	0	0	0	250	50	12
Mahila Mandals Conveners meetings	12	10	250	260	0	0	0	10	250	12
Celebration of important days (specify)	50	2500	200	2700	25	0	25	2525	200	2725
Krishi Mohostva	5	250	50	300	0	0	0	250	50	5
Krishi Rath	5	0		0	0	0	0	0	0	5
Pre Kharif workshop	2	250	25	275	5	0	5	255	25	2
Pre Rabi workshop	2	250	50	300	10	0	10	260	50	310
PPVFRA workshop	1	55	10	65	0	0	0	55	10	65
Any Other (Specify)	12	250	5	255	0	0	0	250	5	255
<b>Total</b>	<b>600</b>	<b>13110</b>	<b>2110</b>	<b>15220</b>	<b>542</b>	<b>145</b>	<b>687</b>	<b>13652</b>	<b>2255</b>	<b>14480</b>

### 3.5 Target for Production and supply of Technological products

#### A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
<b>CEREALS</b>			
<b>OILSEEDS</b>			
<b>PULSES</b>			
<b>VEGETABLES</b>			
<b>OTHERS (Specify)</b>			

#### B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
<b>FRUITS</b>			
<b>SPICES</b>			
<b>VEGETABLES</b>	Tomato	Hybrid	30000
<b>FOREST SPECIES</b>			
<b>ORNAMENTAL CROPS</b>			
		<b>Total</b>	

#### C) BIO-PRODUCT

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1	Vermicompost	-	3	300
2				

#### D) LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle				
GOAT				
SHEEP				
POULTRY				
Pig farming				
FISHERIES				

#### 3.6 Literature to be Developed/Published

##### (A) KVK News Letter

Date of start : April 2016  
Number of copies to be published : 4000

##### (B) Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	5
2	Technical reports	8
3	News letters	4 issues
4	Training manual all discipline	2
5	Popular article	8
6	Extension literature	20
	<b>Total</b>	<b>47</b>

##### (C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette, whatsapp group, mobile app, etc.	Title of the product	Number
1	KVK, Hathras	Agricultural problem solving	02

#### 3.7. Success stories/Case studies identified for development as a case.



# Effect of DFI Intervention

Name of KVK : KVK Hathras

Name of Farmer: Hariom Sharma

Address: Village- NaglaGalia, Block Sasni

Mobile Number: 9761181259

Age: 45

Education: 12

Size of Land Holding - 6 Acre

## 1) Before Intervention

Component Description		Benchmark (Baseline Period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	4	46	69000	25000
Field Crop 2	Wheat	4	48	78000	28000
Field Crop 3	Mustard	2	15.0	58000	41200
Hort. Crop 1	Brinjal	2	160	95000	57000
Total				300000	151200

## 2) Status In 2020

Component Description		Period 2020-21				% Increase Over Base Year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop 1	Paddy	4	58	109000	42000	26.08	68.00
Field Crop 2	Wheat	4	61	120000	45000	27.08	60.71
Field Crop 3	Mustard	2	21.0	68000	59000	40.0	43.20
Hort. Crop 1	Brinjal	2	240	146000	88000	50.00	54.38
Livestock 1	Buffalo	3	5600	215000	125000		
Total				658000	359000		137.43

**Brief:** The Farmer Used to Get Annual Income of Rs.151200 from Field, Horticultural Crops and Livestock. He Faced Problems Like Pest And Diseases, Low Yield Variety And Problems in Nutrient Management. With DFI Interventions like Pest Management, High Yielding Varieties and Nutrient Management with dairy farming. He Is Getting Annual Income of Rs. 359000.



Paddy(BeforeDFI) Brinjal and Dairy Farming (AfterDFI)



### Effect of DFI Intervention

Name of KVK: KVK Hathras

Name of Farmer: Sunil Singh

Address: Village: Ruheri, Block: Sasni

Mobile Number: 9627383177

Age: 36

Education: 8

Size of Land Holding (In Acre):1

#### 1) Before Intervention

Component Description		Benchmark (Baseline Period 2016-17)			
Components	Names	Area (Acre)/Number	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)
Field Crop 1	Paddy	1	12	17000	7000
Field Crop 2	Lentil	1	4	16000	10000
Livestock 1	Goat	22	13	77000	56000
Total				110000	73000

#### 2) Status In 2020

Component Description		Period 2020-21				% Increase Over Base Year	
Components	Names	Area (Acre)/No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop 1	Paddy	1	15.5	25000	10900	29.16	55.71
Field Crop 2	Lentil	1	5.5	31000	19000	37.5	90
Livestock 1	Goat	54	33	260000	180000		
Total				316000	209900		187.53

**Brief:** The Farmer get Annual Income of Rs.73,000 From Paddy, Lentil. He Faced Problems Like Pest and Diseases and Low Yield Varieties. With DFI Interventions Like Pest Management and High Yielding Variety and Goat Rearing. He Is Getting Annual Income of Rs. 209900.



Lentil (BeforeDFI)



Goat Rearing (AfterDFI)

#### 3.8 Indicate the specific training need analysis tools/methodology followed for Rural Youth

**Practicing Farmers:** Training need refers to the gap between 'what is' and 'what should be' in terms of trainees' knowledge, skills, attitude and behavior in a given situation and time. Identify the current levels of knowledge, skills and practices existing in the target area/ groups through PRA survey, interview, direct observation, Questionnaire and secondary data.

- a) Identify problems and their needs from targeted village/ area through PRA survey
- b) Collect data through interview, direct observation, questionnaire and secondary data.
- c) Determine design of needs assessment surveys, interview, observation, secondary data
- d) Analyse of data
- e) Feedback through target group opinion

#### **Rural Youth**

- a) Identify problems and their needs from the district through SREP (ASSESSMENT STRATEGIC RESEARCH EXTENSION PLAN)
- b) Collect data through interview, questionnaire
- c) Analyse of data for skill development
- d) Feedback from stakeholder

#### **In-service personnel**

- a) Identified the need of extension personnel through meeting and secondary data.
- b) Feedback from stakeholder

### **3.9 Indicate the methodology for identifying OFTs/FLDs : Attached PRA survey reports**

#### **For OFT :**

- i) PRA
- ii) Problem identified from Matrix based ranking & analysis
- iii) Field level observations
- iv) Farmer group discussions
- v) Others if any

#### **For FLD :**

- i) New variety/technology
- ii) Poor yield at farmer's level
- iii) Existing cropping system
- iv) Others if any

### **3.10 Field activities**

- i. Name of villages identified/adopted with block name (from which year) -
- ii. No. of farm families selected per village:
- iii. No. of PRA conducted:
- iv. No. of technologies taken to the adopted villages
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

### **3.11. Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab:

1. Year of establishment :
2. List of equipment purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1			

### **3. Targets of samples for analysis:**

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	150	200	10	NA
Water	-	-	-	-
Plant	-	-	-	-
<b>Total</b>	150	200	10	NA

#### 4.0 LINKAGES

##### 4.1 Functional linkage with different organizations/department

Sl.No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	Agriculture Deptt.	conducting training programmes and demonstration	
2.	Horticulture Deptt.	conducting training programmes and demonstration	
3.	Soil Conservation Deptt.	conducting training programmes and demonstration	
4.	IFFCO	conducting training programmes and demonstration	
5.	KRIBHKO	conducting training programmes and demonstration	
6.	U.P. State AGRO	conducting training programmes and demonstration	
7.	Plant Protection Deptt.	conducting training programmes and demonstration	
8.	Fisheries Deptt.	conducting training programmes and demonstration	
9.	NFL	conducting training programmes and demonstration	
10	Animal Husbandry Deptt.	conducting training programmes, vaccination and Health camp	

##### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

S. No.	Programme	Nature of linkage	Outcome of linkage
1	Training	As an expert	
2	Meeting of Governing Board	As a member	
3	Farm School	As expert	

##### 5. Utilization of Hostel facilities

S. No.	Programme	No. of days
1		
2		
	<b>Total</b>	

##### 5. Partnership with departments for technology out scaling (proposed) :

Annexure - I

##### Training Programme

##### i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop production										
Jan-24	PF	Integrated Weed Management For Pulse Crop	1	15	5	20	10	5	15	35
May-24	PF	Improved cultivation techniques of urd	1	15	5	20	10	5	15	35
Aug-24	PF	Importance of Integrated farming	1	15	5	20	10	5	15	35
Sept-24.	PF	Improved cultivation techniques of	1	15	5	20	10	5	15	35

		hickpea								
Nov-24	PF	Scientific cultivation technique of Whea	1	15	5	20	10	5	15	35
Dec-24	PF	Cultivation technique of Mustard	1	15	5	20	10	5	15	35
<b>Horticulture</b>										
Feb24	PF	Advance production technology of Cucurbits & okra in Zaid	1	15	5	20	10	5	15	35
June24	PF	Production & storage technology of Kharif onion	1	15	5	20	10	5	15	35
Sept. 24	PF	Scientific cultivation techniques of potato	1	15	5	20	10	5	15	35
<b>Protection</b>										
Jan.-24	PF	Management of insect through Bio pesticides in pulses crop.	2	15	5	20	10	5	15	35
Mar.24	PF	Disease management in cucurbitaceous crop.	2	15	5	20	10	5	15	35
April-24	PF	Important disease and pest of okra and their management.	1	15	5	20	10	5	15	35
May-24	PF	Identification and management of chilly insect.	1	15	5	20	10	5	15	35
June-24	PF	Management of insect pest of vegetables through insecticides and bio-insecticides	2	15	5	20	10	5	15	35
July-24	PF	Integrated disease management in cucurbitaceous crop.	1	15	5	20	10	5	15	35
Sept.- 24	PF	Seed treatment in rabi season crops.	1	15	5	20	10	5	15	35
Nov.- 24	PF	Use of pheromone trap in pulses and vegetables.	2	15	5	20	10	5	15	35
Dec.- 24	PF	Important disease and insects of mustard crop and their management	2	15	5	20	10	5	15	35
<b>Soil Health</b>										
April -24	PF	Importance of Green Manure in Soil Fertility Management	2	15	5	20	10	5	15	35
May -24	PF	Use of Nano Urea and DAP in Paddy crop	1	15	5	20	10	5	15	35
June-24	PF	Importance of Zinc in Paddy crop	1	15	5	20	10	5	15	35
July-24	PF	Importance of Sulphur Boron in Potato and mustard crop	2	15	5	20	10	5	15	35
Aug.-24	PF	Importance of production technique of pulse and oil crop	1	15	5	20	10	5	15	35
Sept.-24	PF	Use of Sulphur in Boron in Mustard crop	1	15	5	20	10	5	15	35
Oct.-24	PF	INM in Vegetable Crop	1	15	5	20	10	5	15	35
Dec.-24	PF	Role and efficiency in rabi crop	1	15	5	20	10	5	15	35
<b>Agriculture Extension (Capacity Building and Group Dynamics)</b>										
Feb.,2024	PF	Capacity building through awareness of govt. schemes	2	15	5	20	10	5	15	35
March, 2024	PF	Need & importance of SHG for income generation	2	15	5	20	10	5	15	35
April,2024	PF	Motivation to farmers for Vermi composting and Nedap	1	15	5	20	10	5	15	35
May, 2024	PF	Reform through diversified agriculture: Sharing successful story to motivate farmers	1	15	5	20	10	5	15	35
June, 2024	PF	Mobile and Web applications in agriculture	2	15	5	20	10	5	15	35
July,2024	PF	Soil composition/ structure by fire of	1	15	5	20	10	5	15	35



		paddy straw in field								
Sept., 2024	PF	Capacity building through awareness of innovative technology	1	15	5	20	10	5	15	35
Oct., 2024	PF	Motivation to IFS model	2	15	5	20	10	5	15	35
Nov., 2024	PF	Farmer producer organization (FPO)	2	15	5	20	10	5	15	35
Dec.,2024	PF	Awareness about safety in agricultural operations	2	15	5	20	10	5	15	35
Dec.,2024	PF	Utilization of information technology for information access	1	15	5	20	10	5	15	35
<b>Agril. Engg.</b>										
Jan. 24	PF	Use of hand hoe for intercultural operation	1	15	5	20	10	5	15	35
March24	PF	Use of sprinkler irrigation system	1	15	5	20	10	5	15	35
	PF	Use of reaper for harvesting wheat crop	2	15	5	20	10	5	15	35
May-24	PF	Use of MB plough for deep ploughing	2	15	5	20	10	5	15	35
June-24	PF	Use of chisel plough deep ploughing	2	15	5	20	10	5	15	35
Aug. 24	PF	Grain storage techniques	1	15	5	20	10	5	15	35
	PF	Use of hand hoe for intercultural operation	1	15	5	20	10	5	15	35
Oct -24	PF	Repair & maintenance of disc harrow & cultivator	1	15	5	20	10	5	15	35
<b>Home Science</b>										
Jan. -24	PF	Preparation of different type of pickles from locally available resources	2	15	5	20	10	5	15	35
Feb. -24	PF	Preparation of tomato sauce and chutney	2	15	5	20	10	5	15	35
April-24	PF	Grain Storage loss minimization technique	1	15	5	20	10	5	15	35
June-24	PF	Value addition technique	1	15	5	20	10	5	15	35
Aug-2023	PF	Women and child care	1	15	5	20	10	5	15	35
Sept. -24	PF	Designing and development for high nutrient efficiency diet	2	15	5	20	10	5	15	35
Nov.-24	PF	Safe grain storage in rice and pulses	2	15	5	20	10	5	15	35
Dec. -24	PF	Preparation of different type of milk products	1	15	5	20	10	5	15	35

**i) Farmers & Farm women (Off Campus)**

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop production										
Jan-24	PF	Integrated Weed Management For Pulse Crop	1	15	5	20	10	5	15	35
May-24	PF	Scientific cultivation technique of Groundnut	1	15	5	20	10	5	15	35
Aug-24	PF	Cultivation technique of Mustard	1	15	5	20	10	5	15	35
Nov-24	PF	Scientific cultivation technique of Wheat	1	15	5	20	10	5	15	35
Horticulture										
Feb24	PF	Management of young plants/orchards	1	15	5	20	10	5	15	35
June24	PF	Production technology of Medicinal & Aromatic crops	1	15	5	20	10	5	15	35



Sept. 24	PF	Nursery management of vegetables crops	1	15	5	20	10	5	15	35
<b>Crop Protection</b>										
Feb.-24	PF	Identification and management of wheat diseases	1	15	5	20	10	5	15	35
Mar.24	PF	Management of pod borer in pea through neem oil and insecticides.	1	15	5	20	10	5	15	35
May-24	PF	Seed treatment with bio-agents and fungicide for Zaid crops.	1	15	5	20	10	5	15	35
July-24	PF	Management of insect pest of vegetables through insecticides and bio-insecticides	1	15	5	20	10	5	15	35
Aug-24		Use of pheromone trap in pulses and vegetables.	1	15	5	20	10	5	15	35
Sept.- 24	PF	IPM practices in brinjal.	1	15	5	20	10	5	15	35
Oct-24	PF	Seed treatment of potato crop.	1	15	5	20	10	5	15	35
Nov.- 24	PF	Seed treatment in rabi season crops.	1	15	5	20	10	5	15	35
Dec.- 24	PF	Important disease and insects of mustard crop and their management	1	15	5	20	10	5	15	35
<b>Agril. Engg.</b>										
March24	PF	Use of paddy seed planter for sowing paddy	1	15	5	20	10	5	15	35
May-24	PF	Use of HDPE pipes in sprinkler irrigation system	1	15	5	20	10	5	15	35
June-24	PF	Field preparation by rotavator for wheat sowing	1	15	5	20	10	5	15	35
Sept 24	PF	Use of sprinkler irrigation system	1	15	5	20	10	5	15	35
Oct -24	PF	Use drip irrigation system	1	15	5	20	10	5	15	35
<b>Home Sc.</b>										
March -24	PF	Making of artificial flowers	1	15	5	20	10	5	15	35
May- 24	PF	Formation & management of SGHs	1	15	5	20	10	5	15	35
July-24	PF	Rural craft work (Rakhi Making)	1	15	5	20	10	5	15	35
Sept. -24	PF	Designing and development for high nutrient efficiency diet	1	15	5	20	10	5	15	35
Oct. -24	PF	Management of kitchen gardening & nutritional gardening	1	15	5	20	10	5	15	35
Nov.-24	PF	Safe grain storage in rice and pulses	1	15	5	20	10	5	15	35
	PF									
<b>Soil health</b>										
Feb.-24	PF	Importance of Green Manure in Soil Health	1	15	5	20	10	5	15	35
March-24	PF	Importance of Green Manure in Soil Health	1	15	5	20	10	5	15	35
June-24	PF	Importance of production technique Vermicompost in soil health	1	15	5	20	10	5	15	35
July-24	PF	Importance of Sulphur Boron in Potato and mustard crop	1	15	5	20	10	5	15	35
Nov.-24	PF	Importance of Green Manure in Soil Health	1	15	5	20	10	5	15	35
Dec.-24	PF	Role and efficiency in rabi crop	1	15	5	20	10	5	15	35
<b>Agriculture Extension (Capacity Building and Group Dynamics)</b>										
Feb, 2024	PF	Importance and need of farmer's field school	1	15	5	20	10	5	15	35
March,	PF	Motivation to crop residue	1	15	5	20	10	5	15	35

2024		management (CRM)								
April,2024	PF	Capacity building through awareness of innovative technology	1	15	5	20	10	5	15	35
May, 2024	PF	Motivation to IFS model	1	15	5	20	10	5	15	35
June, 2024	PF	Farmer producer organization (FPO)	1	15	5	20	10	5	15	35
July,2024	PF	Capacity building of farmers through agriculture information	1	15	5	20	10	5	15	35
Sept., 2024	PF	Motivation to farmers for DFI	1	15	5	20	10	5	15	35
Oct., 2024	PF	Motivation, Formation, and Strengthening of farmers clubs	1	15	5	20	10	5	15	35
Nov., 2024	PF	Awareness about safety in agricultural operations	1	15	5	20	10	5	15	35
Dec.,2024	PF	Utilization of information technology for information access	1	15	5	20	10	5	15	35

ii) Vocational training programmes for Rural Youth

Crop Enterprise	Identified Thrust Area	Training title*	Month	Duration (day s)	No. of Participants			SC/ST participants			G. Total
					M	F	T	M	F	T	
SOIL SCIENCE											
Vermi compost	Manure	Production technology and use of Vermicompost	June-2024	4	6	3	9	4	2	6	15
NADEP	NADEP production	Importance of Production technique of pulse crop	Aug.-2024	4	6	3	9	4	2	6	15
Plant protection											
Mushroom	Income generate	Dhingri mushroom production technology	Oct.-2024	4	8	-	8	2	-	2	10
Mushroom	Income generate	Preparation of different products from mushroom	Dec-2024	4	8	-	8	2	-	2	10
AGRICULTUE EXTENSION											
Farmer's group	Formation of SHG and farmers club	Formation of farmer's group for self-dependent	Aug-2024	4	8	-	8	2	-	2	10

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Durat ion in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
AGRICULTUE EXTENSION										
On Campus										
July.-2024	In-Service	Role and importance of micro nutrients in plant growth and production.	2	18	-	18	7	-	7	25
August-2024	In-Service	Correct method of FYM application	2	18	-	18	7	-	7	25
Oct.- 2024	In-Service	Integrated weed management in Rabi crops.	2	18	-	18	7	-	7	25
PLANT PROTECTION										
Oct.2024	In-Service	Integrated pest management in vegetables	2	20	-	20	5	-	5	25
Nov.2024	In-Service	Important disease and insect management of legume crops	2	20	-	20	5	-	5	25
Jan.2024	In-Service	Management of disease and insect of cereal crops	2	20	-	20	5	-	5	25

SOIL SCIENCE										
May .2024	In-Service	Importance of Nano Urea and DAP in Paddy Crop	1	17	-	17	8	-	8	25
Nov.2024	In-Service	Importance of Bio Fertilizer and Micro Nutrient in Rabi Crops	19	-	19	6	-	6	25	19

**iv) Sponsored programme**

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training programme											

## Annexure II PRA Survey -

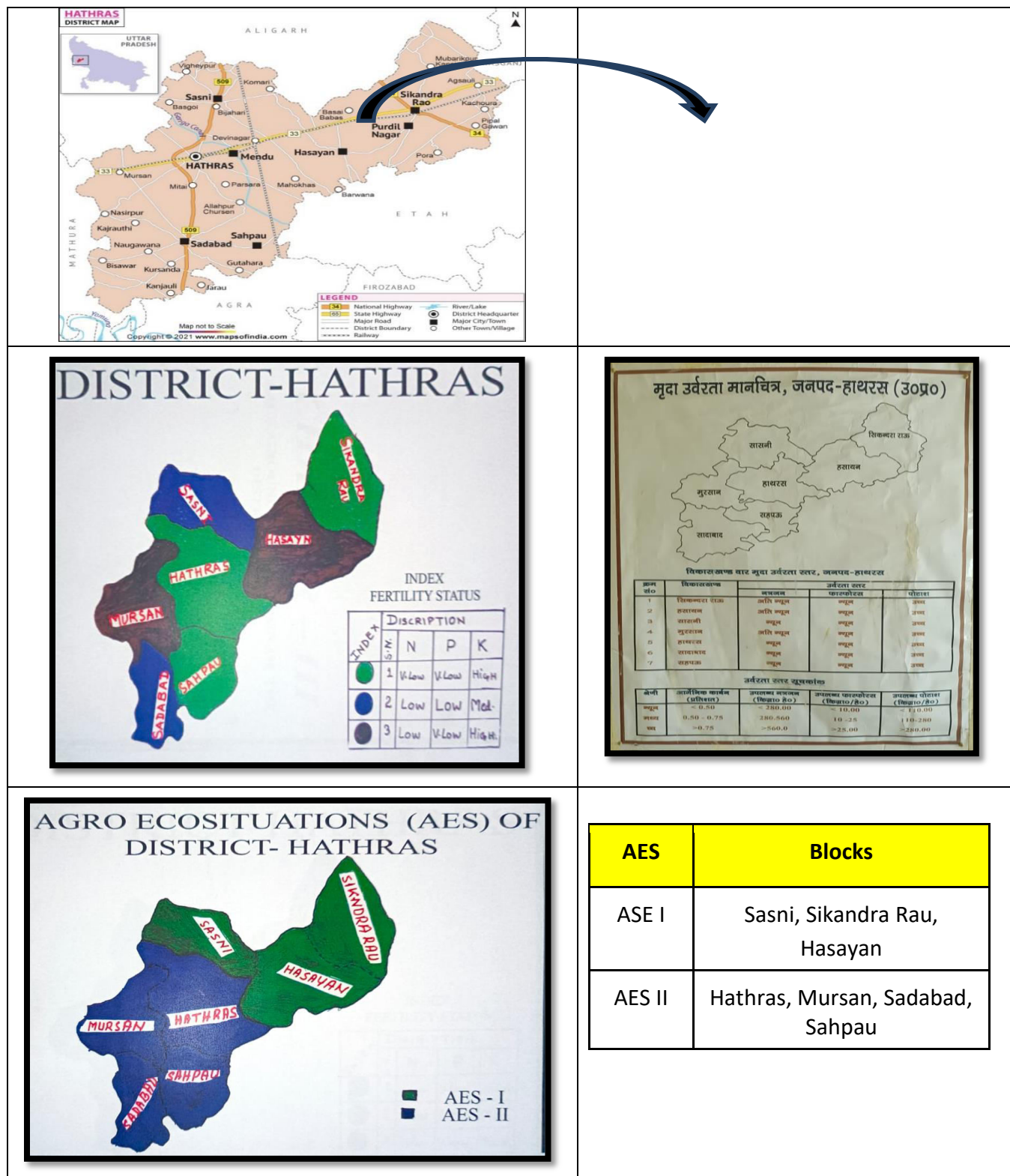
### PRA Survey of the selected villages in the AES I of heHathras districts

(Pichhauti, Bastoi and Bastoi Haveli, Block-Hasayan, District- Hathras)

#### 1- General Information of the district

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**KVK**  
**Rati Ka Nagala Hathras**



**MICRO-FARMING SITUATIONS OF THE DISTRICT**

Particulars	Agro-Ecological situations (AES-I)	Agro-Ecological situations (AES-II)
Soil Type	Sandy loam, Brackish water,	Sandy loam, Brackish water, Poor fertility & Soil depth
Topography	Undulating	Plain
Source of irrigation	Tube Well, Canal	Tube Well, Canal
Kharif crops	Bajra, Paddy	Bajra, Arhar, Maize
Rabi Crops	Wheat, Oil seeds, Potato	Wheat, Oil seeds, Potato
Summer/Zaid	Maize, Moong, Sunflower	Moong/Urd, Sunflower
Vegetables	Tomato, Brinjal, Chilli	Tomato, Cucurbits, Chilli
Fruits	Mango, Gauva, Ber	--
Eucalyptus	--	Eucalyptus, Babul
Inorganic Flower	Rose (Damask), Marry gold	--
Distillation Plan	Rose Distillation Plan	--
Rose flower rate	400/kg	
Drainage	Well drainage	Poor drainage
Existing Farming System	1-Crop production 2-Crop production +Dairy 3-Crop production+ Dairy+ Goatery+ Poultry 4-Crop production +Dairy Horticulture	

### विकासखण्डवार प्रमुख फसलों के क्षेत्रफल (2022)

विकास खण्ड	चावल खरीफ	गेहूँ	जौ	बाजरा	मक्का खरीफ	मक्का जायद	मूँग जायद	मसूर	अरहर	लाही / सरसो	आलू	सब्जियाँ रबी	कपास
1	2	4	3	5	6	7	8	9	10	11	12	13	14
1. सासनी	1898	10664	285	6326	143	34	98	26	896	1627	7669	8823	254
2. हाथरस	4629	12158	267	5773	68	40	158	9	817	1719	4916	6413	31
3. मुरसान	2297	8008	193	5943	36	49	540	0	470	465	9750	10158	221
4. सादाबाद	177	7542	97	6659	43	18	16	5	302	310	15299	14106	207
5. सहपऊ	372	6202	92	5514	57	14	24	9	369	184	8308	8212	87
6. सिकन्दरा राऊ	6688	17060	412	5760	2006	206	446	183	299	1038	874	2098	0
7. हसायन	10798	20136	411	6919	676	42	808	76	603	973	2241	2126	6
योग ग्रामीण	26859	81770	1757	42894	3029	403	2090	308	3756	6316	49057	51936	806

### विकासखण्डवार भूमि उपयोग

विकासखण्ड	कुल प्रतिवेदित	वन	कृष्य बेकार	वर्तमान परती	अन्य परती	ऊसर एवं कृषि के	कृषि के अतिरिक्त	चारागाह	उद्यानों वृक्षों एवं झाड़ियों
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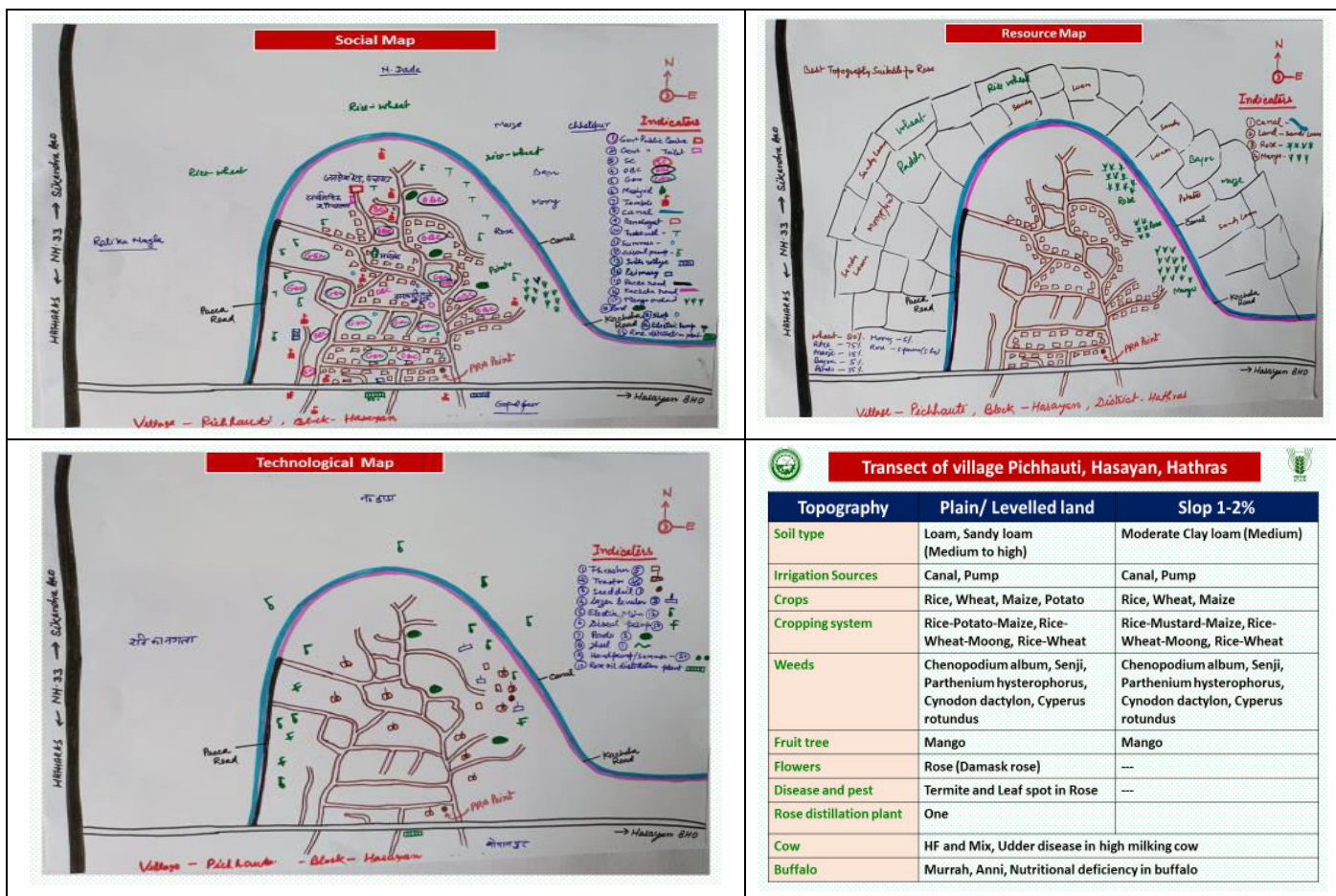


	क्षेत्रफल		भूमि			अयोग्य भूमि	अन्य उपयोग की भूमि		का क्षेत्रफल
1	2	3	4	5	6	7	8	9	10
1. सासनी	27302	182	226	268	321	624	3169	99	115
2. हाथरस	25814	96	154	301	213	231	3700	78	20
3. मुरसान	23169	127	41	99	220	142	2732	57	28
4. सादाबाद	28598	17	135	476	108	110	3090	134	21
5. सहपऊ	17865	20	15	416	52	95	2002	184	18
6. सिकन्दरा राऊ	26302	72	275	531	284	354	2558	161	63
7. हसायन	31105	1281	319	125	348	458	3490	234	93
योग जनपद	180155	1795	1165	2216	1546	2014	20741	947	358

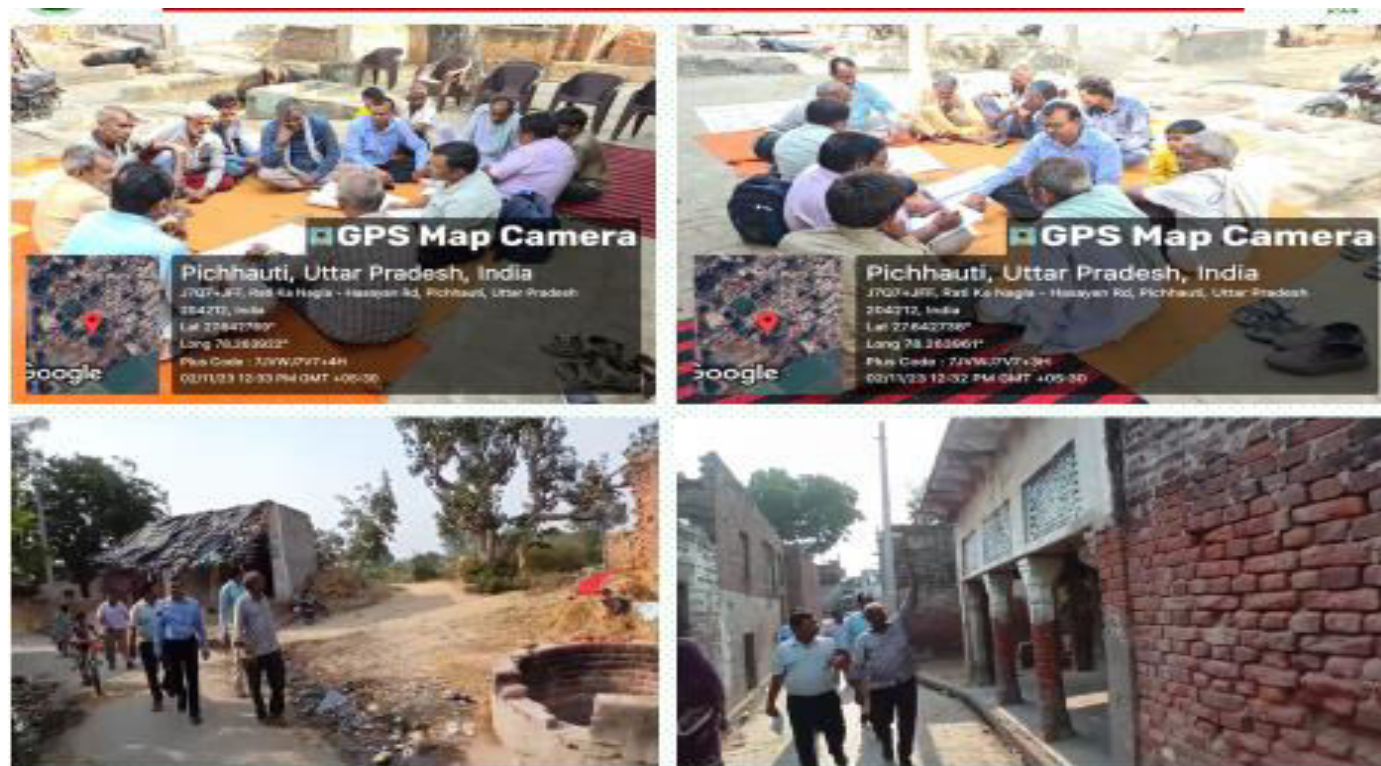
#### 1- PRA survey Pichhauti, HasayanHathras







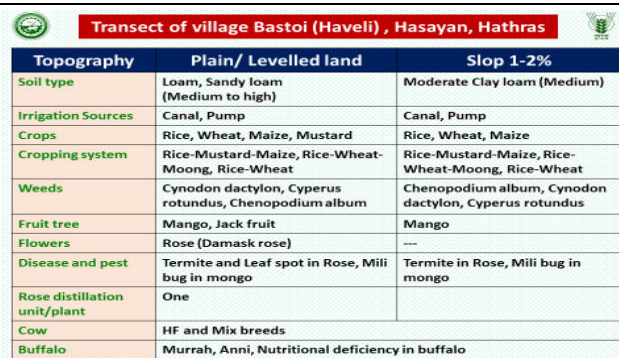
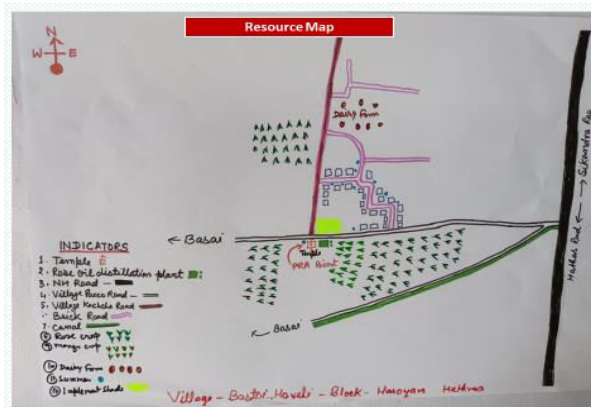
## 2- PRA survey Bastoi, HasayanHathras











Transect of village Bastoi (Haveli) , Hasayan, Hathras		
Topography	Plain/ Levelled land	Slop 1-2%
Soil type	Loam, Sandy loam (Medium to high)	Moderate Clay loam (Medium)
Irrigation Sources	Canal, Pump	Canal, Pump
Crops	Rice, Wheat, Maize, Mustard	Rice, Wheat, Maize
Cropping system	Rice-Mustard-Maize, Rice-Wheat-Moong, Rice-Wheat	Rice-Mustard-Maize, Rice-Wheat-Moong, Rice-Wheat
Weeds	Cynodon dactylon, Cyperus rotundus, Chenopodium album	Chenopodium album, Cynodon dactylon, Cyperus rotundus
Fruit tree	Mango, Jack fruit	Mango
Flowers	Rose (Damask rose)	---
Disease and pest	Termite and Leaf spot in Rose, Mili bug in mongo	Termite in Rose, Mili bug in mongo
Rose distillation unit/plant	One	
Cow	HF and Mix breeds	
Buffalo	Murrah, Anni, Nutritional deficiency in buffalo	

Timeline (detailed account of past happenings)			
General information	Name of the villages		
	Pichhauiti	Bastol	Bastol (Havelli)
Establishment of village	1700	1800	1800
Establishment of temple	1944	1955	1998
Monkey shelter/Attack near village	--	2010	2010
Mango tree	1935	1925	1965
Rose cultivation	1930	1938	1995
Rose oil Distillation Unit	1992	--	1998
Road	2005	1993	1995
Electricity	2014	1985	2008
Chaff cutter	2007	1986	1995
Tractor	1995	2002	2005
Primary School	1985	1956	--
Inter college	2017	2004	--
Seed drill	2011	2017	2017
Thresher	2005	1990	2014
Motor Cycle	2000	1990	1991
Hand pump	1998	1970	1999
Flourmill	2005	1975	--
Bore well/Tube well	1980	1991	1982
Ponds	1820	1910	1825
Canal	1999	1840	1840
Mobile	2007	2006	2008
Car	2005	2008	2010
Park	-	--	2019

Timeline (detailed account of past happenings)			
General information	Name of the villages		
	Pichhauri	Bastoi	Bastoi (Haveli)
Establishment of village	1700	1800	1800
Establishment of temple	1944	1955	1998
Ministry shelter/Attack near village	1935	2010	2010
Mango tree	1935	1925	1965
Rose cultivation	1930	1938	1995
Rose oil Distillation Unit	1992	--	1998
Road	2005	1993	1995
Electricity	2014	1985	2008
Chaff cutter	2007	1986	1995
Tractor	1995	2002	2005
Primary School	1985	1956	--
Inter college	2017	2004	--
Seed drill	2011	2017	2017
Thresher	2005	1990	2014
Motor Cycle	2000	1990	1991
Hand pump	1998	1970	1999
Flourmill	2005	1975	--
Bore well/Tube well	1980	1991	1982
Ponds	1820	1910	1825
Canal	1990	1840	1840
Mobile	2007	2006	2008
Car	2005	2008	2010
Bank	--	--	2019

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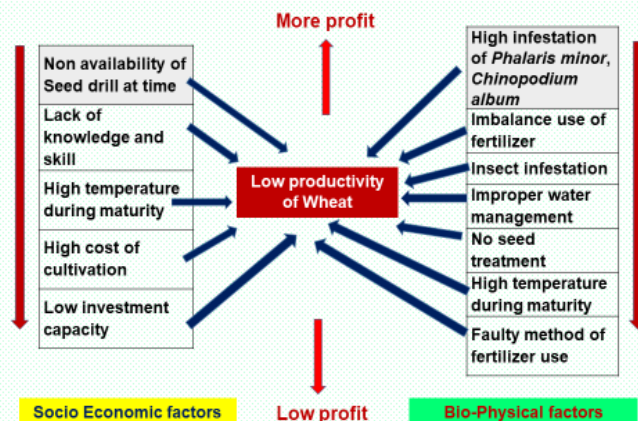
Matrix ranking: Problem Identification										
Problems/ Reasons	Matrix ranking on 1-10 scale									
	I	II	III	IV	V	VI	VII	VIII	IX	X
Low productivity of crops										
Crop loss due to Climate change (frost/drought/ erratic rainfall, rising temp.)	√									
Lack of improved varieties seeds			√							
Non availability of quality seeds								√		
Poor soil fertility			√							
High infestation of weeds		√								
Attack of diseases/insects				√						
Inadequate electricity supply									√	
Lack of crop planning					√					
Non-availability of fertilizers/chemicals in time				√						



### Cause Identification and Strategy planning for Problem- Low productivity of Wheat

Major Cause Identified	Rank	Suggested solution	Strategy
Non availability of Seed drill at time	1	Motivation SD	Demo, Training
High infestation of <i>Phalaris minor</i> , <i>Chinopodium album</i>	2	Management of weeds	OFT
Lack of knowledge and skill	9	Knowledge Upgradation	M Demo, Training
Imbalance use of fertilizer	7	INM	Training
Insect infestation	8	Management of insect	Training
Faulty method of fertilizer use	10	Fertilizer method	Training
Improper water management	7	Water management	Training
No seed treatment	3	Seed treatment	M Demo, Training
High temperature during maturity	4	Climate resilience variety	Demo, Training
High cost of cultivation	6	Low input	Training
Low investment capacity	5	High value var/crop	Training

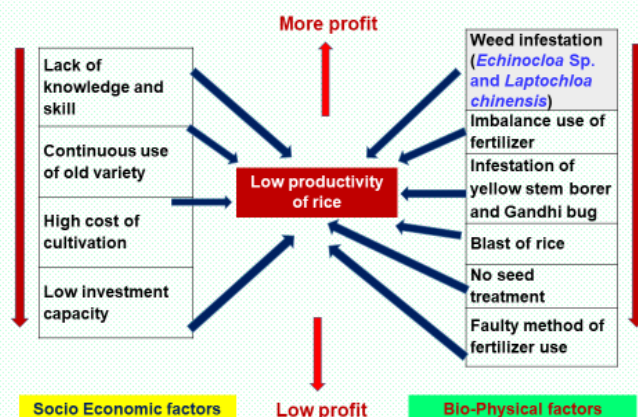
### Problem Cause Diagram of Wheat Crop



### Cause Identification and Strategy planning for Problem- Low productivity of Rice

Major Cause Identified	Rank	Suggested solution	Strategy
Continuous use of old variety	1	Motivation, HYV	Demo, Training
Weed infestation ( <i>Echinochloa Sp.</i> and <i>Laptochloa chinensis</i> )	2	Management of weeds	OFT
Lack of knowledge and skill	10	Knowledge Upgradation	M Demo, Training
Imbalance use of fertilizer	6	INM	Demo, Training
Blast of rice	3	Management of insect	OFT
Faulty method of fertilizer use	9	Soil testing	Training
No seed treatment	7	Seed treatment	M Demo, Training
Infestation of yellow stem borer and Gandhi bug	4	Climate resilience variety	OFT, Training
High cost of cultivation	5	Low input	Training
Low investment capacity	8	High value var/crop	Training

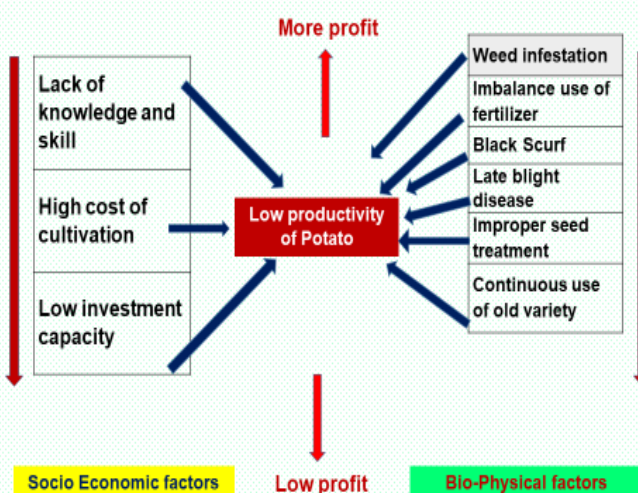
### Problem Cause Diagram of rice Crop



### Cause Identification and Strategy planning for Problem- Low productivity of Potato

Major Cause Identified	Rank	Suggested solution	Strategy
Continuous use of old variety	1	Seed replacement	Training
Weed infestation	2	Management of weeds	Training
Lack of knowledge and skill	10	Knowledge Upgradation	M Demo, Training
Imbalance use of fertilizer	6	INM	Demo, Training
Black Scurf	3	IDM	OFT
Late blight disease	9	IDM	OFT, Training
Improper seed treatment	7	Method of Seed treatment	M Demo, Training
High cost of cultivation	5	Low input	Training
Low investment capacity	8	High value var/crop	Training

### Problem Cause Diagram of potato Crop



# ACTION PLAN OF KVK KASGANJ

(1<sup>st</sup> January 2024 to 31<sup>st</sup> December 2024)

## 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
	Office	FAX		
Krishi Vigyan Kendra, Mohanpura Distt.- Kasganj	-	-	kvkkasganj@gmail.com	-

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

Address	Telephone		E mail	Website
	Office	FAX		
Directorate of Extension, C.S. Azad University of Agriculture and Technology, Kanpur-208002	0512-2549106	0512-2549106	dirextcsau@gmail.com	www.csauk.ac.in

1.2.b. Status of KVK website : No

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : N.A.

1.2.d Status of ICT lab at your KVK : No





### 1.3. Name of the Sr. Scientist & Head with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. K.K. Singh	--	09415937398	kvkkasganj@gmail.com

1.4. Year of sanction (as per MOU) : February 2018



### 1.5. Staff Position (as on 30 September, 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Programme Coordinator	Dr. K. K. Singh	Senior Scientist and Head	Soil Science	37400-67000	161600	09-04-2008	Permanent	Gen	9415937398	kkkasganj@gmail.com	
2	*Subject Matter Specialist	Brij Vikash	Subject Matter Specialist	Animal Science	Level 10	82400	24-03-2008	Permanent	General	9045432191	brijvikas@gmail.com	
3	Subject Matter Specialist	Dr. Pranavir Singh	Subject Matter Specialist	Agronomy	Level -12	117100	16.10.2021	Permanent	General	9450342609	Pvsingh5nov@gmail.com	
4	Subject Matter Specialist	Dr. Prithvi Pal	Subject Matter Specialist	Horticulture	Level 12	107200	19.04.2028	Permanent	SC	9454557520	drprithvipal1970@gmail.com	
5.	Subject Matter Specialist	Vacant	Subject Matter Specialist	-	-	-	-	-	-	-	-	-

6	Subject Matter Specialist	Vacant	Subject Matter Specialist	-	-	-	-	-	-	-	-	-
7	Subject Matter Specialist	Vacant	Subject Matter Specialist	-	-	-	-	-	-	-	-	-
8	Computer Programmer	Vinod Kumar	Programme Assistant Computer	Computer	Level 8	56900	18.05.2007	Permanent	OBC	-	-	-
9	Farm Manager	Vacant	Farm Manager	-	-	-	-	-	-	-	-	-
10	Program Assistant	Vacant	Program Assistant	-	-	-	-	-	-	-	-	-
11	Office Superintendent	Vacant	Assistant	-				-		-	-	
12	Computer Operator/Jr. Stenographer	Vacant	Computer Operator/Jr. Stenographer	-	-	-	-	-	-	-	-	-
13	Jeep Driver		Jeep Driver	-							-	
14	Tractor Driver		Tractor Driver	-							-	
15	Supporting staff	Shri Avdhesh	Supporting staff	-	19900-63200	28400					-	
16	Supporting staff	Shri Ramprakash	Supporting staff		19900-63300	28400						

**1.6. Total land with KVK (in ha) : 9.2 h**

S. No.		Area (ha)
1	Under Buildings ( Under construction)	0.4
2.	Under Demonstration Units	00
3.	Under Crops	8.8
4.	Horticulture	00
5.	Pond	00
6.	Net House	00
7	Others (Specify)	00

**1.7. Infrastructural Development:**

**A) Buildings : Nil**

S. No.	Name building	Source of funding	Stage						Required New	Needs renovation
			Complete	Plinth area (Sq.m)	Expenditure (Rs.)	Incomplete	Starting year	Plinth area (Sq.m)	Status of construction	
1.	Administrative Building	ICAR	-	-	-		2019	550	Constructed	No
2.	Farmers Hostel	-	-	-	-	-	-	-	-	Yes
3.	Staff Quarters (6)	-	-	-	-	-	-	-	-	Yes
4.	Demonstration Units (2)	-	-	-	-	-	-	-	-	Yes
5.	Fencing	-	-	-	-	-	-	-	-	Yes
6.	Rain Water harvesting system	-	-	-	-	-	-	-	-	Yes
7.	Threshing floor	-	-	-	-	-	-	-	-	Yes
8	Farm godown	-	-	-	-	-	-	-	-	Yes

**B) Vehicles: Nil**

Type of vehicle	Year purchase of	Cost (Rs.)	Total kms. Run	Present status	Required replacement
Four wheeler ( Bolero)	2018-19	-	38000	Working	-

**C) Equipments& AV aids : Nil**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status	Required replacement
-	-	-	-	-

**1.8. A). Details of SAC meetings to be conducted in the year :**

Sl. No.		Date
1.	01	-

**2. DETAILS OF DISTRICT**

**2.1 Major farming systems/enterprises (based on the analysis made by the KVK)**

Sl. No	Farming system/enterprise
1	Crop production and Animal Husbandry
2	Crop production, Horticulture and Animal Husbandry

Descript.	Soil type
a)	

### b) Topography

## 2.3 Soil Types

#### 2.4. Area, Production and Productivity of major crops cultivated in the district (2017-18)\*

\*Source: <http://updes.up.nic.in/spiderreports/agricultureReports.jsp>

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

Category	Population	Production	Productivity
<b>Cattle</b>			
Crossbred	10081		
Exotic			
Indigenous	87768		
<b>Buffalo</b>	792690		
<b>Sheep</b>			
Crossbred	472		
Indigenous	6969		
<b>Goats</b>	184495		
<b>Pigs</b>			
Crossbred	544		
Indigenous	9744		
<b>Rabbits</b>			
<b>Poultry</b>			
Hens	78301		
Desi			
<b>Category</b>		<b>Production (Q.)</b>	<b>Productivity</b>
Fish (Reservoir)	169.25 (ha)	2850	

\*Statistical report : <http://updes.up.nic.in/spiderreports/animalsReports.jsp>

## 2.7 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Kasganj		Dukariya ka Nangla	Maize, Tomato, vegetable pea, wheat, mustard, pearl millet and paddy		<ul style="list-style-type: none"> <li>Integrated Pest Management</li> <li>Integrated Nutrient Management</li> <li>Quality seed production</li> <li>Soil Health</li> <li>Proper Management Practices of Animal</li> </ul>
		Tikampur		<ul style="list-style-type: none"> <li>Weed infestation</li> <li>Insect-pest infestation</li> <li>Use of grain as seeds</li> <li>Imbalance use of fertilizers</li> <li>Poor management practices of milch animals</li> <li>Poor Soil health</li> </ul>	
	Kasganj	Athaiya			
		Harnaampur			
		Nangla Peepal			

## 2.8 Priority thrust areas

Sl. No.	Thrust area
1.	Integrated Pest Management
2.	Integrated Nutrient Management
3.	Quality seed production
4.	Promotion of Low cost Improved technology.
5.	Soil Health
6.	Value addition in Fruit and Vegetable Crops
7.	Proper Management Practices of Animal
8.	Animal Nutrition
9.	Productivity enhancement of Milch Animals



### 3. TECHNICAL PROGRAMME

#### A. Details of targeted mandatory activities by KVK

OFT (1)		FLD (2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
06	40	40	180

Training (3)		Extension Activities (4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
100	2240	126	5605

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
200	30000	-	300

Quality seed distribution (q)	No. of saplings distribution (Nos.)	No. of fingerlings distribution (Nos.)	No. of livestock & poultry strains distribution (Nos.)
(10)	(11)	(12)	(13)
200	30000	-	-

#### B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions						Supply of seeds, planting materials etc.
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training extension personnel if any	of for if	Extension activities	
1	Weed Management	Rice	Low yield rice due to weed infestation (Echinochloa spp., Paspalum, Cyperus)	Assessment of efficacy of herbicide	-	-	-	-	Field Visit Field Day Gosthi	Seed, Nano DAP and Pesticides
2	Weed Management	wheat	Low yield wheat due to weed infestation (Phalaris Minor, Chenopodium Album)	Assessment of efficacy of herbicide	-	-	-	-	Field Visit Field Day Gosthi	Nano Urea
3	Natural Farming	Vegetable-pea	Poor soil health and low quality of Vegetable-pea Pod due to high dose of fertilizer (DAP 150 KG, Urea 200 KG per Ha)	Assessment of Soil health and Organic Carbon in Vegetable-pea crop through Prakritik Kheti	-	-	-	-	Field Visit Field Day Gosthi	seeds

4	IPM	Vegetable-pea	Low yield due to Wilt Disease	Assessment of Organic Fungicides (Tricoderma) and Chemical Fungicides Thiram + Carbendazime for control of wilt disease				Field Visit Field Day Gosthi	seeds
05	Disease Management	Cow	Failure to conceive from 3 or more consecutive services	Management of repeat breeding in cattle	-		-	Field Visit Field Day Gosthi	Fretisule bolus (Harbal Drug) and Minerel mixture, Dewormer
06	Disease Management	Got Kid	High incidence of ecto and endo parasitic infestation in goat kid resulting in pre-natal mortality and poor growth performance of kids.	Evaluation of Control measure of Pre-natal mortality in goat kid through Deworming at proper time.				Field Visit Field Day Gosthi	Dewormer
07	IWM	Moong bean	Low Yield	Control of grassy & broad leave weeds				Field Visit Field Day Gosthi	Pendimethalin 30 EC @ 3.3Lit/ha
08	Varietal	Paddy	Low Yield	P.B 17-18				Field Visit Field Day Gosthi	Seed @ 25 kg/ha
09	IWM	Maize	Low Yield	Control of grassy and broad leaves weeds				Field Visit Field Day Gosthi	pendimethalin 30 EC @ 3.3 l/h
15	IWM	Bajra	Low Yield	Control of grassy and broad leaves weeds				Field Visit Field Day Gosthi	pendimethalin 30 EC @ 3.3 l/h
10	IWM	Wheat	Low Yield	Control of Phalaris minor				Field Visit Field Day Gosthi	Sulphosulphuron @33gm/ha
11	Varietal	Wheat	Low Yield	DBW 222				Field Visit Field Day Gosthi	Seed
12	Varietal	Okra	Low Yield	Azad Bhindi 2				Field Visit Field Day Gosthi	Seed
13	Varietal	Pumpkin	Low Yield	VNR 14				Field Visit Field Day Gosthi	Seed
14	Varietal	Bottle Gourd	Low Yield	Sarita				Field Visit Field Day Gosthi	Seed
15	Varietal	Cauliflower	Low Yield	Kasi Kuwari				Field Visit Field Day Gosthi	Seed

16	<b>Varietal</b>	Vegetablepea	<b>Low Yield</b>	Azad Pea 3					Field Visit Field Day Gosthi	Seed
17	<b>Varietal</b>	Tomato	<b>Low Yield</b>	Himsona					Field Visit Field Day Gosthi	Seed
18	<b>Varietal</b>	Oat	<b>Low Yield</b>	JHO 822					Field Visit Field Day Gosthi	Seed
19	<b>Varietal</b>	Berseem	<b>Low Yield</b>	Vardan					Field Visit Field Day Gosthi	Seed
20	<b>Nutrient Manage ment</b>	Buffalo	<b>Low Yield of Milk</b>	Mineral Mixture					Field Visit Field Day Gosthi	<b>Mineral Mixture</b>

### 3.1 Technologies to be assessed and refined

#### A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	02	-	-	-	-	-	-	-	-	02
Integrated Crop Management	-	-	-	-	01	-	-	-	-	01
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	01	-	-	-	-	01
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>02</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>02</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>04</b>

#### A.2. Abstract on the number of technologies refined in respect of crops

Thematic areas	Cereals	Oilseed s	Pulses	Commerci al Crops	Vegetable s	Fruits	Flower	Kitchen garden	Tube r Crop s	TOTAL
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-

Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>										

**A.3. Abstract on the number of technologies assessed in respect of livestock / enterprises**

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management	01							01
Disease of Management				01				01
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
<b>TOTAL</b>	<b>01</b>			<b>01</b>				<b>02</b>

**A.4. Abstract on the number of technologies refined in respect of livestock / enterprises**

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
<b>TOTAL</b>								

## B. Details of On Farm Trial (Based on soil test analysis)

### 1. Crop Production

#### OFT-01

1	Crop/Enterprise	Rice
2	Title of on-farm trial	Assessment of efficacy of herbicide for management of narrow and broad leaf weeds in Rice crop
3	Problem diagnosed	Low yield rice due to weed infestation (Echichloa spp., Pattarchata, Cypres)
4	Farming situation	Irrigated
5	Production system	Rice Wheat cropping System
6	Thematic area	IWM
7	Details of technologies selected for assessment/refinement	
	T <sub>1</sub>	Farmer's Practice (Bispyriback Sodium 10 % SC @ 200-250 ml./ha at 20 DAS)
	T <sub>2</sub>	Bispyriback Sodium 38 % + Chlorimuron Ethyl 25 % + Metsulfuron Methyl 12.5% WG / 100 gm /ha at 25-30 DAS
8	Source of technology	ICAR-DWR, Jabalpur MP
9	No. of farmers	5
10	Critical input / Total Cost	Herbicides / Rs. 5000.00
11	Performance indicators	
	Technical	<ul style="list-style-type: none"> <li>• Weed Infestation %</li> <li>• No. of Plant / sq.mtr</li> <li>• Average Plant Height</li> <li>• Insect and Pest incidence</li> <li>• Grain yield Qt. / ha.</li> </ul>
	Economic	<ul style="list-style-type: none"> <li>• Cost of Cultivation</li> <li>• Profit</li> <li>• BCR</li> </ul>
	Social	Farmers Reaction

#### OFT-02

1	Crop/Enterprise	Wheat
2	Title of on-farm trial	Assessment of efficacy of herbicide for management of narrow and broad leaf weeds in Wheat crop
3	Problem diagnosed	Low yield Wheat due to weed infestation (Phalaris Minor 37%, Chenopodium Album 20% & Gajri 10%)
4	Farming situation	Irrigated
5	Production system	Rice - Wheat Cropping System
6	Thematic area	IWM
7	Details of technologies selected for assessment/refinement	
	T <sub>1</sub>	Farmer's Practice (Sulfosulfuron 75%WG @ 33gm/ha. At 30-35 DAS)
	T <sub>2</sub>	Sulfosulfuron 75%WG and Met Sulfosulfuron Methyl 5% WG 40gm. / ha. Herbicides At 30-35 DAS
8	Source of technology	ICAR-IIWBR, Karnal
9	No. of farmers	5
10	Critical input / Cost	Herbicides / Rs. 4000.00

<b>11</b>	Performance indicators	
	Technical	<ul style="list-style-type: none"> <li>• Weed Infestation %</li> <li>• No. of Plant / sq.mtr</li> <li>• Average Plant Height</li> <li>• Pest incidence</li> <li>• Grain yield Qt. / ha.</li> </ul>
	Economic	<ul style="list-style-type: none"> <li>• Cost of Cultivation</li> <li>• Profit</li> <li>• BCR</li> </ul>
	Social	Farmers Reaction

#### OFT-03

<b>1</b>	Crop/Enterprise	<b>Vegetable-pea</b>
<b>2</b>	Title of on-farm trial	<b>Assessment of Soil health and Organic Carbon in Vegetable-pea crop through Prakritik Kheti</b>
<b>3</b>	Problem diagnosed	<b>Poor soil health and low quality of Vegetable-pea Pod due to high dose of fertilizer (DAP 150 KG, Urea 200 KG per Ha)</b>
<b>4</b>	Farming situation	Irrigated
<b>5</b>	Production system	Summer Maize – Vegetable
<b>6</b>	Thematic area	Natural Farming
<b>7</b>	Details of technologies selected for assessment/refinement	
	T <sub>1</sub>	<b>Azad P 3 (Traditional Farming)</b>
	T <sub>2</sub>	<b>Azad P 3 (Prakritik Kheti) use of Jeevamrit, beejamrit, Ghanjeemrit, Sanjeevak, Das parniy, Copper Chacch</b>
<b>8</b>	Source of technology	HAU, Hisar
<b>9</b>	No. of farmers	5
<b>10</b>	Critical input	<b>Natural Farming (Jeevamrit, beejamrit, Ghanjeemrit, Sanjeevak, Das parniy, Copper Chacch)</b>
<b>11</b>	Performance indicators	
	Technical	<ul style="list-style-type: none"> <li>• Soil Test before and After Crop (OC)</li> <li>• No. pod / plant</li> <li>• No of Grain / pod</li> <li>• Yield</li> </ul>
	Economic	<ul style="list-style-type: none"> <li>• Cost of Cultivation</li> <li>• Profit</li> <li>• BCR</li> </ul>
	Social	Farmers Reaction

#### OFT-04

<b>1</b>	Crop/Enterprise	<b>Vegetable-pea</b>
<b>2</b>	Title of on-farm trial	<b>Management of wilt disease</b>
<b>3</b>	Problem diagnosed	<b>Low yield due to Wilt Disease</b>
<b>4</b>	Farming situation	<b>Irrigated</b>
<b>5</b>	Production system	<b>Spring Maize based</b>
<b>6</b>	Thematic area	<b>IPM</b>
<b>7</b>	Details of technologies selected for assessment/refinement	
	T <sub>1</sub>	Farmers Practice ( Use of Carbendazime Fungicides)
	T <sub>2</sub>	Use of Tricoderma viride / harzianum for Seed and Soil Treatment and foliar spray of Thiram 1gm. + Carbendazime 1gm. (800gm/ha.)
<b>8</b>	Source of technology	NCIPM Faridabad
<b>9</b>	No. of farmers	5
<b>10</b>	Critical input	Tricoderma Biride / Harzianum ,Thiram + Carbendazime

<b>11</b>	Performance indicators	
	Technical	<ul style="list-style-type: none"> <li>• Wilt Incidence</li> <li>• No. of pod / plant</li> <li>• No of Grain / pod</li> <li>• Yield</li> </ul>
	Economic	<ul style="list-style-type: none"> <li>• Cost of Cultivation</li> <li>• Profit</li> <li>• BCR</li> </ul>
	Social	Farmers Reaction

#### OFT-05

<b>Title of OFT</b>	Management of repeat breeding in cattle
<b>Problem identification</b>	Failure to conceive from 3 or more consecutive services
<b>Production system and thematic area</b>	Mixed farming
<b>Farming situation</b>	Reproduction & breeding management
<b>Farmers' Practices</b>	Only use of Concentrate and Fodder
<b>Details of technologies selected for assessment/ refinement.</b>	<b>T1 – Farmers practice</b> ( Only use of Concentrate and Fodder) <b>T2 – Dewormer+ Trace Minerals + GnRH Analogue</b> (100 micro gm 1time or 2 ml/Animal)
<b>Source of Technology</b>	ICAR-IVRI, Izzatnagar, Bareilly
<b>No. of Farmer</b>	05 + 05 (homogenous group of animals)
<b>Cost of critical input for individual animal</b>	Cost of critical input for individual animal
<b>Critical inputs</b>	Dewormer+ Trace Minerals + GnRH Analogue
<b>Performance Indicator</b>	
<b>Technical</b>	i) <b>Onset of estrous period</b> ii) <b>Non-return rate</b> iii) <b>Service period</b> iv) <b>Conception rate</b> v) <b>Settling period</b> vi) <b>Service/ conception</b>
<b>Economic</b>	i) <b>Milk production cost Rs./animals/day</b> ii) <b>Total returns Rs./animal/day</b> iii) <b>Net returns Rs./animal/day</b> iv) <b>BCR</b>
<b>Social</b>	i) <b>Availability &amp; Adoptability of Technology</b> ii) <b>Farmers Reaction</b>

#### OFT-06

<b>Title of OFT</b>	Evaluation of Control measure of Pre-natal mortality in goat kid through Deworming at proper time.
<b>Problem identification</b>	High incidence of ecto and endo parasitic infestation in goat kid resulting in pre-natal mortality and poor growth performance of kids.
<b>Production system and thematic area</b>	Disease Management
<b>Farming situation</b>	House hold requirement
<b>Farmers' Practices</b>	Feed and Fodder

<b>Details of technologies selected for assessment/ refinement.</b>	<b>T<sub>1</sub> -Farmers practice (Neem Leaves)</b> <b>T<sub>2</sub> -Use of different dewormer at proper time (Improved Practice)</b> <b>A- Albomar syrup @ 5.0 ml / Kids at the age of 10 days</b> <b>B- Piperazine @ 8.0 ml/ Kids at the age of 30-35 days</b> <b>C- Nilworm @ 15 mg/Kg, body weight at the age of 60-55 days</b> <b>D- Destodine tablet @ 1 tab./ Kids at the age of 90-95 days</b>
<b>Source of Technology</b>	<b>IVRI, Izzatnagar, Bareilly</b>
<b>No. of Farmer</b>	<b>10</b>
<b>Selection of animals</b>	<b>Select 10 kid 10 days of age</b>
<b>Critical inputs</b>	<b>Dewormer</b>
<b>Performance Indicator</b>	
<b>Technical</b>	<ul style="list-style-type: none"> <li>• <b>Weight of Kid</b></li> <li>• <b>Mortality</b></li> </ul>
<b>Economic</b>	<ul style="list-style-type: none"> <li>• <b>Total returns Rs./animal</b></li> <li>• <b>Net returns Rs./animal</b></li> <li>• <b>BCR</b></li> </ul>
<b>Social</b>	iii) <b>Availability &amp; Adoptability of Technology</b> iv) <b>Farmers Reaction</b>

## 1.2 Frontline Demonstrations

### A. Details of FLDs to be organized (Based on soil test analysis)

S.N.	Crop	Variety	Technology for demonstration	Area (ha)	No. of farmers/ Demon.
1.	Moong bean	Samrat	Control of grassy & broad leave weeds	5	20
2.	Paddy	P.B 17-18	P.B 17-18	4	20
3.	Maize	Hybrid	Control of grassy and broad leaves weeds	5	10
4	Bajra	Hybrid	Control of grassy and broad leaves weeds	5	10
5	Wheat	HD 2967	Control of Phalaris minor	5	20
6.	Wheat	DBW 222	DBW 222	4	20
7.	Okra	Azad Bhindi 2	Azad Bhindi 2	2	10
8	Pumpkin	VNR 14	VNR 14	1	10
9	Bottle Gourd	Sarita	Sarita	2	10
10	Cauliflower	Kasi Kuwari	Kasi Kuwari	1	10
11	Vegetablepea	Azad Pea 3	Azad Pea 3	1	10
12	Tomato	Himsona	Himsona	1	10
13	Oat	JHO 822	JHO 822	2	10
14	Berseem	Verdan	Vardan	2	10
<b>Total</b>				<b>40</b>	<b>180</b>



Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
1.	Moong bean	Samrat	Weed management	Control of grassy & broad leave weeds	Pendimethalin 30 EC @ 3.3Lit/ha	Zaid -2024	2	10	Yield & Economics
2.	Paddy	P.B 17-18	Variety	P.B 17-18	Seed @ 25 kg/ha	Kharif-2024	2	20	Yield & Economics
3.	Maize	Hybrid	IWM	Control of grassy and broad leaves weeds	pendimethalin 30 EC @ 3.3 l/h	Kharif-2024	5	10	Yield & Economics
4.	Bajra	Hybrid	IWM	Control of grassy and broad leaves weeds	pendimethalin 30 EC @ 3.3 l/h	Kharif-2024	5	10	Yield & Economics
5.	Wheat	HD 2967	IWM	Control of Broad and Narrow Leaves Weeds	Sulphosulphuron 75% @32ml/ha / ha.	Rabi 2024	5	20	Yield & Economics
6.	Wheat	DBW 187	Varietal	DBW 187	Seed	Rabi 2024	4	20	Yield & Economics
7.	Okra	Azad Bhindi 2	Varietal	Azad Bhindi 2	Seed	Zaid - 2024	2	10	Yield & Economics
8.	Pumpkin	VNR 14	Varietal	VNR 14	Seed	Zaid - 2024	1	10	Yield & Economics
9.	Bottle Gourd	Sarita	Varietal	Sarita	Seed	Kharif-2024	2	10	Yield & Economics
10.	Cauliflower	Kasi Kuwari	Varietal	Kasi Kuwari	Seed	Rabi 2024	1	10	Yield & Economics
11.	Vegetablepea	Azad Pea 3	Varietal	Azad Pea 3	Seed	Rabi 2024	1	10	Yield & Economics
12.	Tomato	Himsona	Varietal	Himsona	Seed	Rabi 2024	1	10	Yield & Economics
			<b>Total</b>				<b>40</b>	<b>180</b>	

#### Sponsored Demonstration

Sl. No.	Crop	Area (ha)	No. of farmers

#### B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	12	2024	360
2	Farmers Training	12	2024	180
3	Media coverage	12	2024	
4	Training for extension functionaries	03	2024	15

#### C. Details of FLD on Enterprises

##### (i) Farm Implements

Name of the implement	Crop	Season year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators

(ii) **Livestock Enterprises**

S. No.	Name of activity	Objective	Adopted technology	Type of animals	Breed	No. of animals	Critical input	Cost (Rs.)
1	Feeding of Mineral Mixture	Increasing Milk Production	Mineral Mixture 60 gm / day	Buffalo	Murrah	40	Mineral Mixture	20000

**3.3 Training (Including the sponsored and FLD training programmes:**  
**A) ON Campus**

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	01	15	-	15	05	-	05	20
Resource Conservation Technologies								
Cropping Systems	05	75	-	75	25	-	25	100
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management								
Fodder production								
Production of organic inputs								
Total	06	90	-	90	30	-	30	120
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	2	26	04	30	08	02	10	40
Off-season vegetables	01	13	02	15	04	01	05	20
Nursery raising	2	26	04	30	08	02	10	40
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
<b>b) Fruits</b>								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology								
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								

Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
<b>Total</b>	<b>05</b>	<b>65</b>	<b>10</b>	<b>75</b>	<b>20</b>	<b>05</b>	<b>25</b>	<b>100</b>
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	01	15	-	15	05	-	05	20
Soil and Water Conservation	01	15	-	15	05	-	05	20
Integrated Nutrient Management	01	15	-	15	05	-	05	20
Production and use of organic inputs	01	15	-	15	05	-	05	20
Management of Problematic soils	01	15	-	15	05	-	05	20
Micro nutrient deficiency in crops	01	15	-	15	05	-	05	20
Nutrient Use Efficiency	01	15	-	15	05	-	05	20
Soil and Water Testing								
<b>Total</b>	<b>07</b>	<b>105</b>	<b>-</b>	<b>105</b>	<b>35</b>	<b>-</b>	<b>35</b>	<b>140</b>
<b>IV Livestock Production and Management</b>								
Dairy Management	02	40	-	40	-	-	-	40
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management	01	20	-	20	-	-	-	20
Feed management	01	20	-	20	-	-	-	20
Production of quality animal products	01	20	-	20	-	-	-	20
<b>Total</b>	<b>05</b>	<b>100</b>	<b>-</b>	<b>100</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>100</b>
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening								
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition								
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care								
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
<b>VII Plant Protection</b>								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
<b>VIII Fisheries</b>								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
<b>IX Production of Inputs at site</b>								

Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development								
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital	01	15	-	15	05	-	05	20
Entrepreneurial development of farmers/youths	01	15	-	15	05	-	05	20
WTO and IPR issues								
<b>Others (Pl. Specify)-</b> Utilization of information technology for information access	02	30	-	30	10	-	10	40
<b>Total</b>	<b>04</b>	<b>60</b>	<b>-</b>	<b>60</b>	<b>20</b>	<b>-</b>	<b>20</b>	<b>80</b>
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems								
<b>XII Others (Pl. Specify)-</b>								
<b>GRAND TOTAL</b>	<b>27</b>	<b>420</b>	<b>10</b>	<b>430</b>	<b>105</b>	<b>5</b>	<b>110</b>	<b>540</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	01	15	-	15	05	-	05	20
Bee-keeping								
Integrated farming								
Seed production	01	15	-	15	05	-	05	20
Production of organic inputs								
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	01	15	-	15	05	-	05	20
Training and pruning of orchards								
Value addition								
Production of quality animal products								
Dairying	01	15	-	15	05	-	05	20
Sheep and goat rearing	01	15	-	15	05	-	05	20
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								

<b>TOTAL</b>	<b>05</b>	<b>75</b>	<b>0</b>	<b>75</b>	<b>25</b>	<b>0</b>	<b>25</b>	<b>100</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	03	45	0	45	15	0	15	60
Integrated Pest Management								
Integrated Nutrient management								
Rejuvenation of old orchards	01	15		15	05		05	20
Protected cultivation technology	01	15		15	05		05	20
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers	01	15		15	05		05	20
Capacity building for ICT application	01	15		15	05		05	20
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals	02	30		30	10		10	60
Livestock feed and fodder production	01	15		15	05		05	20
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs	01	15		15	05		05	20
Gender mainstreaming through SHGs								
Any other (Pl. Specify) – Market Led Extension								
<b>TOTAL</b>	<b>11</b>	<b>165</b>	<b>0</b>	<b>165</b>	<b>55</b>	<b>0</b>	<b>55</b>	<b>240</b>

## B) OFF Campus

Thematic Area	No. of Courses	No. of Participants			SC/ST			Grand Total
		Others	Male	Female	Total	Male	Female	Total
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	05	75	-	75	25	-	25	100
Resource Conservation Technologies								
Cropping Systems	15	225	0	225	75	0	75	300
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management	01	15	0	15	05	0	05	20
Fodder production								
Production of organic inputs								
<b>Total</b>	<b>21</b>	<b>315</b>	<b>0</b>	<b>315</b>	<b>105</b>	<b>0</b>	<b>105</b>	<b>420</b>
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	06	85	15	100	45	05	50	150
Off-season vegetables	02	30	05	35	10	05	15	50
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
<b>b) Fruits</b>								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								



Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology	02	30	05	35	10	05	15	50
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management technology	02	30	05	35	10	05	15	50
Post harvest technology and value addition								
<b>III Soil Health and Fertility Management</b>	<b>12</b>	<b>280</b>	<b>40</b>	<b>320</b>	<b>110</b>	<b>25</b>	<b>135</b>	<b>460</b>
Soil fertility management	<b>06</b>	<b>90</b>	<b>-</b>	<b>90</b>	<b>30</b>	<b>-</b>	<b>30</b>	<b>120</b>
Soil and Water Conservation	01	15	-	15	05	-	05	20
Integrated Nutrient Management	01	15	-	15	05	-	05	20
Production and use of organic inputs	01	15	-	15	05	-	05	20
Management of Problematic soils	01	15	-	15	05	-	05	20
Micro nutrient deficiency in crops	01	15	-	15	05	-	05	20
Nutrient Use Efficiency	-	-	-	-	-	-	-	-
Soil and Water Testing	01	15	-	15	05	-	05	20
<b>Total</b>	<b>12</b>	<b>180</b>	<b>-</b>	<b>180</b>	<b>60</b>	<b>0</b>	<b>60</b>	<b>240</b>
<b>IV Livestock Production and Management</b>								
Dairy Management	<b>06</b>	<b>90</b>	<b>-</b>	<b>90</b>	<b>30</b>	<b>-</b>	<b>30</b>	<b>120</b>
Poultry Management	01	15	-	15	05	-	05	20
Piggery Management	01	15	-	15	05	-	05	20
Rabbit Management/goat								
Disease Management	01	15	-	15	05	-	05	20
Feed management	01	15	-	15	05	-	05	20
Production of quality animal products								
<b>Total</b>	<b>10</b>	<b>150</b>	<b>0</b>	<b>150</b>	<b>50</b>	<b>0</b>	<b>50</b>	<b>200</b>
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening								
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition								
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care								
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
<b>VII Plant Protection</b>								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
<b>VIII Fisheries</b>								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								

Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
<b>IX Production of Inputs at site</b>								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development								
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital	01	15	-	15	05	-	05	20
Entrepreneurial development of farmers/youths	01	15	-	15	05	-	05	20
WTO and IPR issues								
<b>Others (Pl. Specify)-</b> Utilization of information technology for information access								
<b>Total</b>	<b>02</b>	<b>30</b>	<b>-</b>	<b>30</b>	<b>10</b>	<b>-</b>	<b>10</b>	<b>40</b>
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems								
<b>XII Others (Pl. Specify)-</b>								
<b>GRAND TOTAL</b>	<b>57</b>	<b>955</b>	<b>40</b>	<b>995</b>	<b>335</b>	<b>25</b>	<b>360</b>	<b>1360</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								

Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
<b>TOTAL</b>								
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify) – Market Led Extension								
<b>TOTAL</b>								

**C) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants						
		Others	SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	6	90		90	30		30	120
Resource Conservation Technologies								
Cropping Systems	20	300	0	300	100	0	100	400
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management	01	15	0	15	05	0	05	20
Integrated Crop Management								
Fodder production								
Production of organic inputs								
<b>Total</b>	<b>27</b>	<b>405</b>	<b>0</b>	<b>405</b>	<b>135</b>	<b>0</b>	<b>135</b>	<b>540</b>
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	<b>8</b>	<b>111</b>	<b>19</b>	<b>130</b>	<b>53</b>	<b>7</b>	<b>60</b>	<b>190</b>
Off-season vegetables	3	43	7	50	14	6	20	70
Nursery raising	2	26	04	30	08	02	10	40
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								



<b>b) Fruits</b>								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology	02	30	05	35	10	05	15	50
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management technology	02	30	05	35	10	05	15	50
Post harvest technology and value addition								
<b>Total</b>	<b>17</b>	<b>240</b>	<b>40</b>	<b>280</b>	<b>95</b>	<b>25</b>	<b>120</b>	<b>400</b>
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	7	105		105	35		35	140
Soil and Water Conservation	2	30		30	10		10	40
Integrated Nutrient Management	2	30		30	10		10	40
Production and use of organic inputs	2	30		30	10		10	40
Management of Problematic soils	2	30		30	10		10	40
Micro nutrient deficiency in crops	2	30		30	10		10	40
Nutrient Use Efficiency	2	30		30	10		10	40
Soil and Water Testing	1	15	-	15	5	-	5	20
<b>Total</b>	<b>20</b>	<b>300</b>		<b>300</b>	<b>100</b>		<b>100</b>	<b>400</b>
<b>IV Livestock Production and Management</b>								
Dairy Management	8	130		130	30		30	160
Poultry Management	01	15	-	15	05	-	05	20
Piggery Management	01	15	-	15	05	-	05	20
Rabbit Management/goat								
Disease Management	2	30		30	10		10	40
Feed management	2	30		30	10		10	40
Production of quality animal products	2	30		30	10		10	40
<b>Total</b>	<b>16</b>	<b>250</b>		<b>250</b>	<b>70</b>		<b>70</b>	<b>320</b>
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening								
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								

Storage loss minimization techniques								
Value addition								
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care								
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
<b>VII Plant Protection</b>								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
<b>VIII Fisheries</b>								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
<b>IX Production of Inputs at site</b>								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development								
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital	02	30	-	30	10	-	10	40
Entrepreneurial development of farmers/youths	02	30	-	30	10	-	10	40
WTO and IPR issues								
<b>Others (Pl. Specify)-</b> Utilization of information technology for information access	02	30	-	30	10	-	10	40
<b>Total</b>	<b>06</b>	<b>90</b>	<b>-</b>	<b>90</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>120</b>
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems								
<b>XII Others (Pl. Specify)-</b>								
<b>GRAND TOTAL</b>	<b>84</b>	<b>1375</b>	<b>50</b>	<b>1425</b>	<b>440</b>	<b>30</b>	<b>470</b>	<b>1900</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	01	15	-	15	05	-	05	20
Bee-keeping								
Integrated farming								

Seed production	01	15	-	15	05	-	05	20
Production of organic inputs								
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	01	15	-	15	05	-	05	20
Training and pruning of orchards								
Value addition								
Production of quality animal products								
Dairying	01	15	-	15	05	-	05	20
Sheep and goat rearing	01	15	-	15	05	-	05	20
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
<b>TOTAL</b>	<b>05</b>	<b>75</b>	<b>0</b>	<b>75</b>	<b>25</b>	<b>0</b>	<b>25</b>	<b>100</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	03	45	0	45	15	0	15	60
Integrated Pest Management								
Integrated Nutrient management								
Rejuvenation of old orchards	01	15		15	05		05	20
Protected cultivation technology	01	15		15	05		05	20
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers	01	15		15	05		05	20
Capacity building for ICT application	01	15		15	05		05	20
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals	02	30		30	10		10	60
Livestock feed and fodder production	01	15		15	05		05	20
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs	01	15		15	05		05	20
Gender mainstreaming through SHGs								
Any other (PI. Specify) – Market Led Extension								
<b>TOTAL</b>	<b>11</b>	<b>165</b>	<b>0</b>	<b>165</b>	<b>55</b>	<b>0</b>	<b>55</b>	<b>240</b>
<b>Grand Total of all Trainings</b>	<b>100</b>	<b>1615</b>	<b>50</b>	<b>1665</b>	<b>520</b>	<b>30</b>	<b>550</b>	<b>2240</b>

Details of training programmes attached in **Annexure –I**

### 3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	10	180	20	200	49	01	50	229	21	250
Kisan Mela	01	800	70	870	30	-	30	830	70	900
Kisan Gosthi	10	1000	50	1050	30	-	30	1030	50	1080
Exhibition	02	1000	100	1100	100	0	100	1100	100	1200
Film Show	05	100	50	150	0	0	0	100	50	150
Farmers Seminar										
Workshop	02	-	-	-	-	-	-	-	-	-
Group meetings	05									
Lectures delivered as resource persons	05	75	-	75	05	-	05	80	-	80
Newspaper coverage	08									
Radio talks	03	-	-	-	-	-	-	-	-	-
TV talks	01	-	-	-	-	-	-	-	-	-
Popular articles	02	-	-	-	-	-	-	-	-	-
Extension Literature	04	-	-	-	-	-	-	-	-	-
<b>Advisory Services</b>	12	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	60	480	-	480	-	-	-	480	-	480
Farmers visit to KVK	500	400	100	-	-	-	-	500	-	500
Diagnostic visits	02	30	-	30	-	-	-	30	-	30
Exposure visits	02	100	0	100	0	0	0	100	0	100
Ex-trainees	02	50	0	50	0	0	0	50	0	50
Sammelan										
Soil health Camp	02	200	-	-	10	-	-	210		210
Animal Health Camp	02	100	0	100	0	0	0	100	0	100
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	02	200	-	-	10	-	-	210		210
Farm Science Club										
Conveners meet										
Self Help Group										
Conveners meetings										
Mahila Mandals										
Conveners meetings										
Celebration of important days (specify)	02	30	-	30	-	-	-	30	-	30
Krishi Mohostva										
Krishi Rath	-	-	-	-	-	-	-	-	-	-
Pre Kharif workshop	01	800	70	870	30	-	30	830	70	900
Pre Rabi workshop	01	800	70	870	30	-	30	830	70	900
PPVFRA workshop										
Any Other (Specify)										
PMFBY Sammelan										
Soil Health Cards distribution										
<b>Total</b>	<b>126</b>	<b>5035</b>	<b>390</b>	<b>5425</b>	<b>180</b>		<b>180</b>	<b>5215</b>	<b>390</b>	<b>5605</b>

### 3.5 Target for Production and supply of Technological products SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)	Distributed to the farmers (Nos.)
<b>CEREALS</b>	Wheat	DBW 303	150	
<b>OILSEEDS</b>	Mustard	RH 761	20	
<b>PULSES</b>	Urd	IPU 11-02	30	
<b>VEGETABLES</b>				
<b>OTHERS (Specify)</b>			200	

## PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Distributed to the farmers (Nos.)
<b>FRUITS</b>	Aonla	NA 7	50	
	Papaya	Red Lady, Pusa Nanha	250	
<b>SPICES</b>				
<b>VEGETABLES</b>	Tomato	NS5	4000	
	Brinjal	Pusa Purple Round	3000	
	Chilli	Sunidhi, Azad Chilli 1	6000	
	Cauliflower	Summer King	2500	
	Cabbage	Pusa Drum	2500	
	Broccoli	Plampur Broccoli	500	
	Onion	Beema Super, NS	10000	
<b>FOREST SPECIES</b>				
<b>ORNAMENTAL CROPS</b>	Rose	Calcutta	100	
	Marigold	Pusa Narangi	1000	
	Coleus	Different Colour	100	
		<b>Total</b>	<b>30000</b>	

## BIO-PRODUCTS

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>				
1				
2				

## LIVESTOCK

Sl. No.	Type	Breed	Quantity (Nos)	Unit
Cattle				
GOAT				
SHEEP				
POULTRY				
Pig farming				
FISHERIES				

### 3.6 Literature to be Developed/Published

- (A) **KVK News Letter** : 03  
Date of start : Kharif 2022  
Number of copies to be published : 1500

### (B) Literature developed/published

S.No.	Topic	No.	Name of Journal/literature
1	Research paper by each scientist	02	
2	Technical reports	02	
3	News letters	01	
4	Training manual all discipline	01	
5	Popular article	01	
6	Extension literature	08	
	<b>Total</b>	<b>15</b>	

### (C) Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	VCD		

### 3.7. Success stories/Case studies identified for development as a case. (5 by each KVK) Attached Annexure II

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
  - i) Social economic
  - ii) Bio-Physical
- f. Good Action Photographs

**3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers**

- a) Observation
- b) Focused Group Discussion
- c) Interview

**Rural Youth**

- a) Interview
- b) Group Discussion
- c)
- d)

**In-service personnel**

- a) Group discussion
- b) Interview
- c) Critical Incident Technique

**3.9 Indicate the methodology for identifying OFTs/FLDs**  
**For OFT :**

- i) PRA
- ii) FGDs
- iii) Field level observations
- iv) In-depth interviews
- v) Survey

**For FLD :**

- i) Same as for OFTs

**3.10 Field activities**

- i. Name of villages identified/adopted with block name (from which year) : Tikampura, Peepal Nagala, Athaiya from block Kasganj
- ii. No. of farm families selected per village: 20
- iii. No. of survey/PRA conducted: one in each village : 02
- iv. No. of technologies taken to the adopted villages: 05
- v. Name of the technologies found suitable by the farmers of the adopted villages: Unnat Halna variety of wheat, GT 4 and RT 346 varieties of sesame, RH 749 and 725 varieties of mustard and nutrient management in all the crops
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies :

**3.11. Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab: Nil

1. Year of establishment :N.A.

2. List of equipment's purchase with amount : Nil

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1.	L.G Fridge Double Door with stabilizer (Not Working)		
2.	Jeldhal Digestion set( One Not Working)		
3.	Digital Flame Photometer		
4.	Spectrophotometer		
5.	PH meter		
6.	Physical Balance		
7.	Electric Oven		
8.	Mixer Grinder		
9.	Conductivity meter		
10.	Analytical Balance		
11.	Shaker(One Not Working)		
12.	Hot Plate		
	<b>Total</b>		



3. Targets of samples for analysis: **N.A. New KVK**

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples				
Water				
Plant				
<b>Total</b>				

**4. LINKAGES**

**4.1 Functional linkage with different organizations**

S.No.	Name of organization	Nature of Linkage
1.	Department of Agriculture	Training, Kisan goshthies
2.	Department of Horticulture	Participation in meeting, farmers fair
3.	Department of animal husbandry	Participation in meeting, organizing animal health camp, availability of vaccines.
4.	Regional rural banks	Joint implementation of programmes
5.	Department of soil and water conservation	Training programme, advisory services.
6.	IIPR	Procurement of seed and bio-fertilizer, advisory services.
7.	Department of fisheries	Participation in meeting and gosthi
8.	Department of forestry	Participation in meeting, Training. Procurement of plants.
9.	Women & child development department	Training, Participation in farmers fair & SAC,
10.	IFFCO	Joint programme, training, demonstration

**4.2 Details of linkage with ATMA**

a) Is ATMA implemented in your district : Yes

S. No.	Programme	Nature of linkage
1	Goshthies, Farmers' fairs	Technical support
2		

**4.3 Give details of programmes under National Horticultural Mission**

S. No.	Programme	Nature of linkage
1		
2		No

**4.4 Nature of linkage with National Fisheries Development Board**

S. No.	programmes	Nature of linkage
1		
2		NO

**5. Utilization of hostel facilities :**

S. No.	Programmes	No. of days
1		
2		NO, hostel is not available
3		
4		
5		
	<b>Total</b>	

**6. Convergence with departments :**

**7.1. Details of the programmes being implemented by your KVK in partnership with other institution: Nil**

S. No.	Name of Programme	Main Institution (IARI, DBT, DST, UPICAR, etc.)	Duration	Budget (in lakh)
1	Goshthies, Farmers' fairs and supply of inputs	Department of Agriculture, Horticulture and IFFCO		

**7.2. Brief achievements of above collaborative programmes : Nil**

S. No.	Name of Programme	Salient achievement	Impact of the programme
1			

**8. Achievements (Both Technical and physical) of sponsored programmes (As applicable to your KVK) during the reporting period: Nil**

S. No.	Name of Programme	Detailed Technical Achievements	Physical (infrastructural achievement)
1	TSP Project		
2	ARYA Project		
3	CFLD-NFSM Project		
	i. Kharif season		
	ii. Rabi season		
	iii. Summer season		
4	CSISA Project		
5	NICRA Project		
6	Soil Health Card		
7	Other (please specify)		
	<b>Total</b>		

**8. Feedback of the farmers about the technologies demonstrated and assessed:**

Demonstrations of Unnat Halna and DBW 107 varieties have created demand for these varieties in nearby villages of the KVK.

Farmers have liked very much Gugarat Til 4 variety of sesame

Farmers have liked need based timely information dissemination through wall magazine

**10. Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:**



**Annexure - I**  
**Training Programme**

**i. Farmers & Farm women (On Campus)**

Date	Clientele	Thematic Area	No. of Courses	No. of Participants						Grand Total
				Others			SC/ST			
				Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women										
I Crop Production										
May, 2024	PF	Nursery management in rice	5	15	-	15	05	-	05	20
June, 2024	PF	Scientific cultivation of rice	5	20	-	20	05	-	05	25
July, 2024	PF	Scientific cultivation of Kharif Urd and Moong	5	20	-	20	05	-	05	25
August, 2024	PF	Scientific cultivation of Toria Rai and Mustard	5	20	-	20	05	-	05	25
September, 2024	PF	Scientific cultivation of Chickpea, Fieldpea and Lentil	5	20	-	20	05	-	05	25
October, 2024	PF	Scientific cultivation of Potato	5	20	-	20	05	-	05	25
November, 2024	PF	Scientific cultivation of Wheat	5	20	-	20	05	-	05	25
II Horticulture										
III Soil Health and Fertility Management										
IV Plant Protection										
V Agricultural Extension										
March, 2024	PF	Utilization of information technology for information access	01	15	-	15	05	-	05	20
July,2024	PF	Identification and utilization of sources of agricultural information	01	15	-	15	05	-	05	20
Sep., 2024	PF	Formation of farmers associates for profitable marketing of agriculture products	01	15	-	15	05	-	05	20
December,2024	PF	Utilization of Information technology for marketing of agricultural produces	01	15	-	15	05	-	05	20
	PF	Any other (Pl. Specify)								
VI Animal Husbandry										
January, 2024	PF/FW	Preparation of balanced ration for milch animals	1	15	-	15	05	-	05	20
February, 2024	PF/FW	Domestic treatment of animals	1	15	-	15	05	-	05	20
May, 2024	PF/FW	HS Vaccination to prevent contagious animal diseases	1	15	-	15	05	-	05	20
June, 2024	PF/FW	Control of F.M.D. in farm animals	1	15	-	15	05	-	05	20
July, 2024	PF/FW	Care and management of animals during rainy season	1	15	-	15	05	-	05	20
August, 2024	PF/FW	Animal parasites & their control	1	15	-	15	05	-	05	20
September, 2024	PF/FW	Care and management of newly born calf	1	15	-	15	05	-	05	20
October, 2024	PF/FW	Deworming in calves	1	15	-	15	05	-	05	20
November, 2024	PF/FW	Clean milk production techniques	1	15	-	15	05	-	05	20
TOTAL			25	450	-	450	125	-	125	575

**OFF Campus**

Date	Clientele	Training title*	No. of Courses	No. of Participants						
				Others			SC/ST			Grand Total
				Male	Female	Total	Male	Female	Total	
I Crop Production										
January, 2024	PF	Cultivation tech of Summer Ground Nut	01	15	-	15	05	-	05	20
January, 2024	PF	Cultivation tech of Zaid Hy Maize	01	15	-	15	05	-	05	20
January, 2024	PF	Cultivation tech of Summer Urd and Moog	01	15	-	15	05	-	05	20
January, 2024	PF	Weed Management in Zaid Pulses	01	15	-	15	05	-	05	20
February, 2024	PF	Seed production of Summer Groundnut	01	15	-	15	05	-	05	20
June, 2024	PF	Management of Paddy Nursery	01	15	-	15	05	-	05	20
June, 2024	PF	Chemical Weed management in Kharif Hy Maize	01	15	-	15	05	-	05	20
July 2024	PF	IWM in Hy Rice	01	15	-	15	05	-	05	20
July, 2024	PF	INM in Summer Pulses	01	15	-	15	05	-	05	20
September, 2024	PF	Cultivation Tech of Hy Mustard	01	15	-	15	05	-	05	20
September, 2024	PF	Use of Organic input in Mustard	01	15	-	15	05	-	05	20
October, 2024	PF	IWM in Rabi Pulses	01	15	-	15	05	-	05	20
October, 2024	PF	INM in Wheat	01	15	-	15	05	-	05	20
November, 2024	PF	IWNM in Wheat	01	15	-	15	05	-	05	20
II Horticulture										
III Soil Health and Fertility Management										
IV Plant Protection										
V Agril. Extension										
June, 2022		Utilization of Information technology for marketing of agricultural produces	01	15	-	15	05	-	05	20
December, 2022		Identification and utilization of sources of agricultural information	01	15	-	15	05	-	05	20
VI Animal Husbandry										
January, 2022	PF/FW	Importance of Feeding mineral mixture in farm animals	01	15	-	15	05	-	05	20
March 2022	PF/FW	Application of complete dewormer in cattle	01	15	-	15	05	-	05	20
May, 2022	PF/FW	Care & management of farm animals during summer	01	15	-	15	05	-	05	20
May, 2022	PF/FW	Urea treatment of wheat straw .	01	15	-	15	05	-	05	20
June, 2022	PF/FW	Importance of vaccination in farm animal	01	15	-	15	05	-	05	20
July, 2022	PF/FW	Management of farm animals during Rainy season.	01	15	-	15	05	-	05	20
September 2022	PF/FW	Importance of mineral mixture in animals feeding.	01	15	-	15	05	-	05	20
October, 2022	PF/FW	Importance of Green fodder in farm animals	01	15	-	15	05	-	05	20

November, 2022	PF/FW	Control of animal parasites	01	15	-	15	05	-	05	20
December, 2022	PF/FW	Domestic treatments of farm animals	01	15	-	15	05	-	05	20
<b>TOTAL</b>			<b>21</b>	<b>320</b>	<b>-</b>	<b>320</b>	<b>105</b>	<b>-</b>	<b>105</b>	<b>425</b>

#### Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the programme	the training	No. of course	No. of participants			Number of SC/ST			G. Total
						M	F	T	M	F	T	
a) Sponsored training programme			AS PER DEMAND									
			Total									
b) Sponsored research programme												
			Total									
c) Any special programmes												
			Total									

#### Vocational training programmes for Rural Youth

Crop Enterprise /	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G. Total
					M	F	T	M	F	T	
Goat	Goat Rearing	Goat Rearing	Feb. 2024	21	15	-	15	05	-	05	20
Vegetable pea	Seed Production	Seed production of Vegetablepea	September	21	15	-	15	05	-	05	20
Wheat	Seed production	Seed production of Wheat	October 2022	21	15	-	15	05	-	05	20
		<b>TOTAL</b>		<b>63</b>	<b>45</b>		<b>45</b>	<b>15</b>		<b>15</b>	<b>60</b>

#### Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
January, 2022	EF	Seed production tech of Zaid Pulses and Oil seed	01	15		15	05		05	20
January, 2022	EF	Crop Production in <i>Zaid</i>	01	15		15	05		05	20
February, 2022	EF	Production and use of organic inputs	01	15		15	05		05	20
February, 2022	EF	Green fodder production for summer	01	15		15	05		05	20
April 2022	EF	Soil & Water Conservation	01	15		15	05		05	20
July 2022	EF	Seed production tech of Kharif Urd and Moog	01	15		15	05		05	20
August, 2022	EF	Production and Utilization of audio-visual aids	01	15		15	05		05	20
September, 2022	EF	Seed production tech of Rabi Pulses and Oil seed	01	15		15	05		05	20
October, 2022	EF	Seed production of newly high yielding varieties of Wheat	01	15		15	05		05	20
November, 2022	EF	Integrated Nutrients Management in Rabi Cereals	01	15		15	05		05	20
November, 2022	EF	Integrated Nutrient management wheat	01	15		15	05		05	20
November, 2022	EF	Identification and Utilization of Rural Leadership for Agricultural Extension	01	15		15	05		05	20
<b>TOTAL</b>			<b>12</b>	<b>180</b>		<b>180</b>	<b>60</b>		<b>60</b>	<b>240</b>

# ACTION PLAN OF KVK ETAH

(1<sup>st</sup> January 2024 to 31<sup>st</sup> December 2024)

## 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
Krishi Vigyan Kendra, Awagarh-207301, Distt. Etah, UP	Office	FAX	kvkawagarh@rediffmail.com	http://etah.kvk4.in/
	05745-224338	05745-224338		

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

Address	Telephone		E mail	Website
R.B.S.College, Agra	Office	FAX	rbscagra_2007@rediffmail.com	http://rbscollegeagra.edu.in/
	0562-2520075	0562-2520075		

1.2.b. Status of KVK website : Yes/No; **Yes** Date when the website last updated:

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : 1420

1.2.d Status of ICT lab at your KVK : No

- a) No. of PC units : 9
- b) No. of Printers : 4
- c) Internet connection : Yes/No- **Yes**

### 1.3. Name of the Programme Coordinator with phone & mobile no.

Name	Telephone / Contact		
Dr. Manish Singh	Office	Mobile	Email
	05745-224338	7897441718	<a href="mailto:manishsinghswce@gmail.com">manishsinghswce@gmail.com</a>







1.4. Year of sanction: **1982**

### 1.5. Staff Position (as on 31<sup>st</sup> August, 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Senior Scientist & Head	Dr. Manish Singh	Senior Scientist & Head	Ph.D (Soil & water conservation)	37400-67000	9000	143600	01.02.2020	Permanent	GEN	7897441718		

10	9	8	7	6	5	4	3	2
Farm Manager	P.A. Computer	P.A., Agronomy	Subject Matter Specialist	Subject Matter Specialist	Subject Matter Specialist (Agro.)	Subject Matter Specialist	Subject Matter Specialist	Subject Matter Specialist
Sri. GauravPratap Singh	Sri ArunPratap Singh	Vacant	Smt.Neeraj Singh	Smt.Deepti Singh	Dr. S.K. Singh	Dr. V.Singh	Vacant	Dr. Dinesh Mishra
Farm Manager	P.A. Compute	P.A. (Agro.)	Subject Matter Specialist Home Science)	Subject Matter Specialist Extension)	Subject Matter Specialist (Agro.)	SMS- Soil Sc.	SMS- Horticulture	SMS- Ag.Engg.
M.Sc Ag (Agronomy)	M.B.A.	M.Sc (Food and nutrition)	M.Sc (Food and nutrition)	M.Sc Ag (Extension)	M.Sc Ag (Agronomy)	M.Sc Ag (Soil Sc. & Ag. Chem.)	M.Sc (Ag.Engg.) Ph.D.	
9300-34800	9300-34800	9300-34800	15600-39700	15600-39700	15600-39100	15600-39100	15600- 39100	15600-39100
4200	4200	4800	5400	5400	5400	5400	5400	6600
38700	36500		57800	57800	71100	122900		133500
01.02.2020	22.02.2021		22.02.2021	22.02.2021	01.02.2020	9-7-87		15-3-96
Permanent	Permanent		Permanent	Permanent	Permanent	Permanent		Permanent
GEN	GEN		OBC	GEN	GEN	OBC		GEN
8557083617	8077858523		957319897	8433295917	9536093256	9719501765		9412490890
				deeptisingh324 @gmail.com	Suneel_34@re diffmail.com	-		dinesh_67mishr a@yahoo.co.in
								



11	Assistant	Sri Ankur Rajpoot	Assistant	M.B.A	9300-34800	4200	35400	22.02.2021	Permanent	OBC	7895227474	
12	Stenographer	Sri Sachin Kumar	Stenographer	U.G.	5200-20200	2400	30500	04-02-17	Permanent	OBC	8299204800	
13	Driver	Sri RN Singh	Driver	MA Eco.	5200-20200	4200	50500	13-6-94	Permanent	OBC	9411848633	
14	Driver	Sri Hari Shankar	Driver	8 <sup>th</sup>	5200-20200	2800	41600	1-12-02	Permanent	OBC	9758031068	
15	Supporting staff	Sri Pushpendra Singh	Supporting staff	10 <sup>th</sup>	5200-20200	2800	46800	14-6-94	Permanent	GEN	9719944683	
16	Supporting staff	Sri Rahul Kumar	Supporting staff	10 <sup>th</sup>	5200-20200	1800	19700	01.02.2020	Permanent	OBC	8445470227	

#### 1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.00
2.	Under Demonstration Units	0.94
3.	Under Crops	17.70
4.	Horticulture	0.16
5.	Pond	0.20
6.	Others if any	6.20

#### 1.7. Infrastructural Development:

##### A) Buildings

S. No.	Name of building	Source of funding		Stage					
		ICAR	RKVY	Completion Year	Complete	Expenditure (Rs.)	Starting year	Incomplete	Status of construction
1.	Administrative Building	ICAR		1986					
2.	Farmers Hostel	ICAR		1990					
3.	Staff Quarters (6)	ICAR		1986					
4.	Demonstration Units (2)	ICAR		1990					

5	Fencing		RKVY					
6	Rain Water harvesting syste		-					
7	Threshing floor		RKVY					
8	Farm godown		RKVY					
	Other							
9	Green House	ICAR		2017				
10	Mini Seed Processing Unit	ICAR		2017				
11	IFS Modal	ICAR		2017				
12	ICT Lab	ICAR		2017				
13	Technical Information Center	ICAR		2017				
14	Farmer Women Hostel	ICAR		1990				

## B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on March, 2023	Present status
Motor cycle	1986	ICAR	22000	52000	Irreparable
Motor cycle	1995	ICAR	30000	50000	-do-
Tractor	2010	ICAR	500000	10071	Bad condition
Tractor	2022	ICAR	800000	513	New
Jeep	2017	ICAR	708530	149000	Good condition

## C) Equipments& AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
OHP	1986		Irreparable
Slide Projector	1986		Irreparable
TV &VCD	2003		In use
Camera 1	2006		Irreparable
LCD	2007		In use
Camera 2	2017		In use
LED TV	2017		In use

## 1.8. A). Details of SAC meetings to be conducted in the year

Sl.No.	Date
1. Scientific Advisory Committee	25.05.2023

## 2. DETAILS OF MICRO-FARMING SITUATIONS OF THE DISTRICT

### 2.1 Micro-farming situations

#### a) Characteristics

S.No.	Agro-Ecological situations (AES)	Existing Farming System (Crop+livestock+others)	Major soil types
1	AES 1 (Name	Paddy-Wheat, Bajra/maize-Wheat+Cow/Buffalo	Loam
2	AES 2 (Name)	Fallow-Brinjal/tomato/Cole	Sandy Loam

		crops, Paddy-Wheat/Mustard-Moong +Cow/Buffalo	
3	AES 3 (Name)	Paddy-Barley/Wheat	Sodic Soil

#### b) Land Characteristics

S.No	Agro-Ecological Situation (AES)	Topography
1.	AES-1 (Name)	AES I is having loam soil of average Ph 7.5-8.4 with problem of irrigation water (saline and oily water). Blocks comprising this AES are Jalesar, Nidholi, Aliganj. The soils of this AES low in organic carbon contain.
2.	AES-2 (Name)	AES II is having sandy loam soil of average pH 7.5-8.0 with good quality irrigation water, canal tube wells irrigated. This AES comprised of Awagarh, Sakit, Marhera, Jaithra, Aliganj. The soil of this AES is deficient in major and micronutrients, alkaline in reaction and low organic carbon contain.
3.	AES-3 (Name)	AES III is having Sodic soil, average pH 8.5-10.0 with medium quality of irrigation water, canal tube wells irrigated. In This AES comprised of Awagarh, Nidhouli, Aliganj, Sakit Blocks of the district.

#### c) AES-wise major problems

S.No	Agro-Ecological Situation (AES)	Major problems	Rank
1.	AES-1 (Name)		
2.	AES-2 (Name)		
3.	AES-3 (Name)		

#### 2.2. Area, Production and Productivity of major crops cultivated in the district (2020)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)	Yield gap (q/ha) with respect to demo	Yield gap (q/ha) with respect to potential yield
1	Paddy	32131	47163	26.65	20.65	
2	Wheat	132602	522202	38.43	13.57	
3	Bajra	34580	116979	25.83		
4	Maize	26254	69431	26.80		
5	Urd	930	737	6.66		
6	Moong	3227	1570	7.46		
7	Mustard	6127	28885	20.69	6.81	
8	Groundnut	877	398	9.94		
9	Tobacco	11305	4434.48	54.61		
10	Potato	12015	11767.87	240.80		

Source: District agriculture department.

#### 2.3. Weather data (2022-23)

S. NO.	Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
1	January, 2022	29	15.71	6.26	68.84	44.78
2	Feb	25	22.43	8.86	75.72	44.11
3	March	1	33.97	17.39	46.04	23.00
4	April	2	41.37	22.94	26.3	12.67
5	May	33	41.59	25.78	33.00	16.26
6	June	174	41.27	27.1	41.1	20.27
7	July	179	33.94	24.75	58.20	36.88
8	Aug	250	34.26	25.36	78.48	47.90
9	Sep	228	34.44	24.87	78.74	48.6
10	Oct	124	31.26	20.42	69.46	41.36
11	Nov	0	29.17	14.04	49.20	30.44
12	Dec	0	24.23	8.30	47.42	30.39
1	January, 2023	33	19.84	6.75	66.52	40.62
2	Feb.	0	27.89	11.58	61.86	36.61
3	March	74	31.97	16.26	56.78	30.84
4	April	16	36.74	20.00	38.37	19.5
5	May	114	38.62	22.75	42.42	33.04
6	June	160	39.04	25.24	46.70	27.50
7	July	261	35.09	26.07	70.87	46.42



8	Aug	140	34.80	25.87	68.32	46.09

## 2.4 Production and productivity of livestock, Poultry, Fisheries etc. in the district (2022)

Category	Population	Production	Productivity	Productivity gap
<b>Cattle</b>				
<b>Buffalo</b>	683303	Not available		
<b>Sheep</b>	8443	-do-		
<b>Goats</b>	275632	-do-		
<b>Cattle</b>	181435	-do-		
<i>Crossbred</i>				
<i>Indigenous</i>				
<b>Pigs</b>	32118	-do-		
<b>Poultry</b>				
Hens				
<i>Desi</i>				
Category		Production (q)	Productivity	
Fish (Reservoir)	84.23			

\*Statcal report

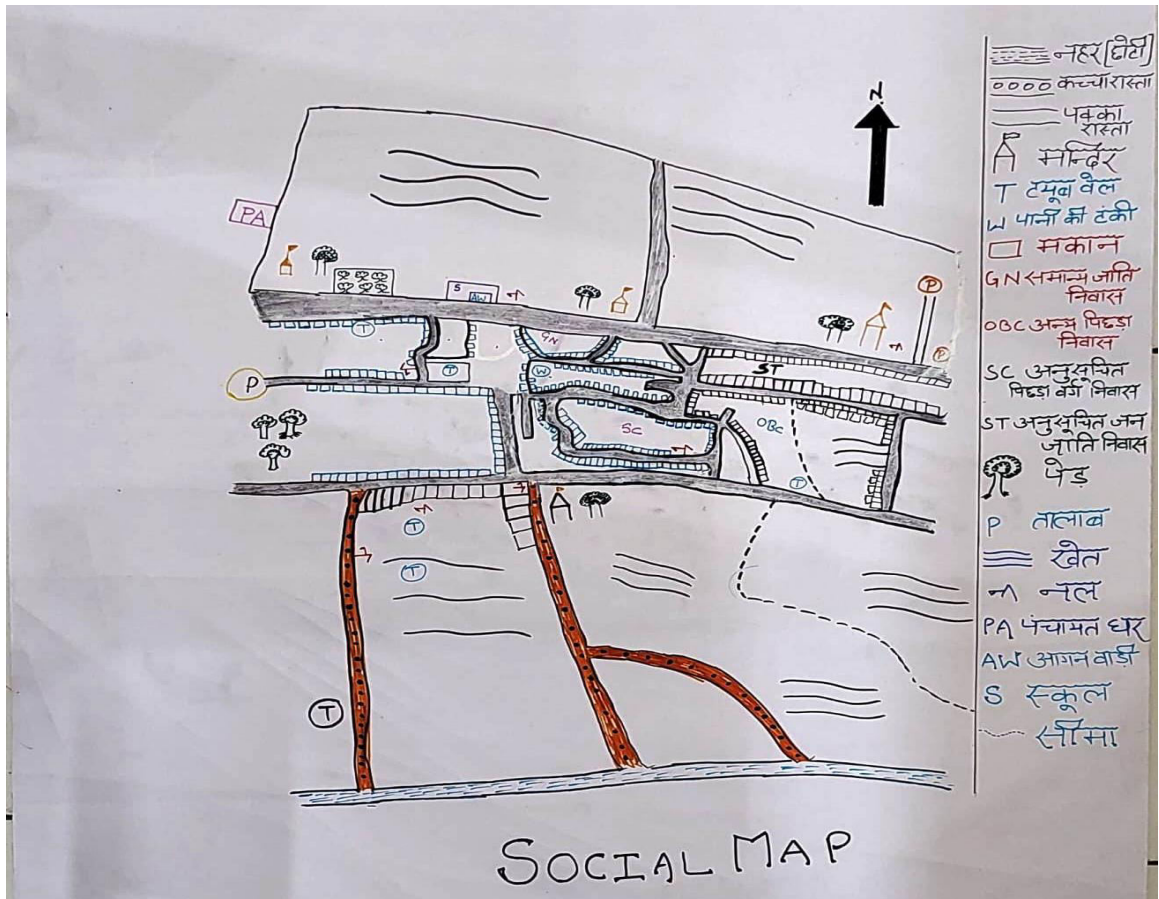
## PRA SURVEY REPORT

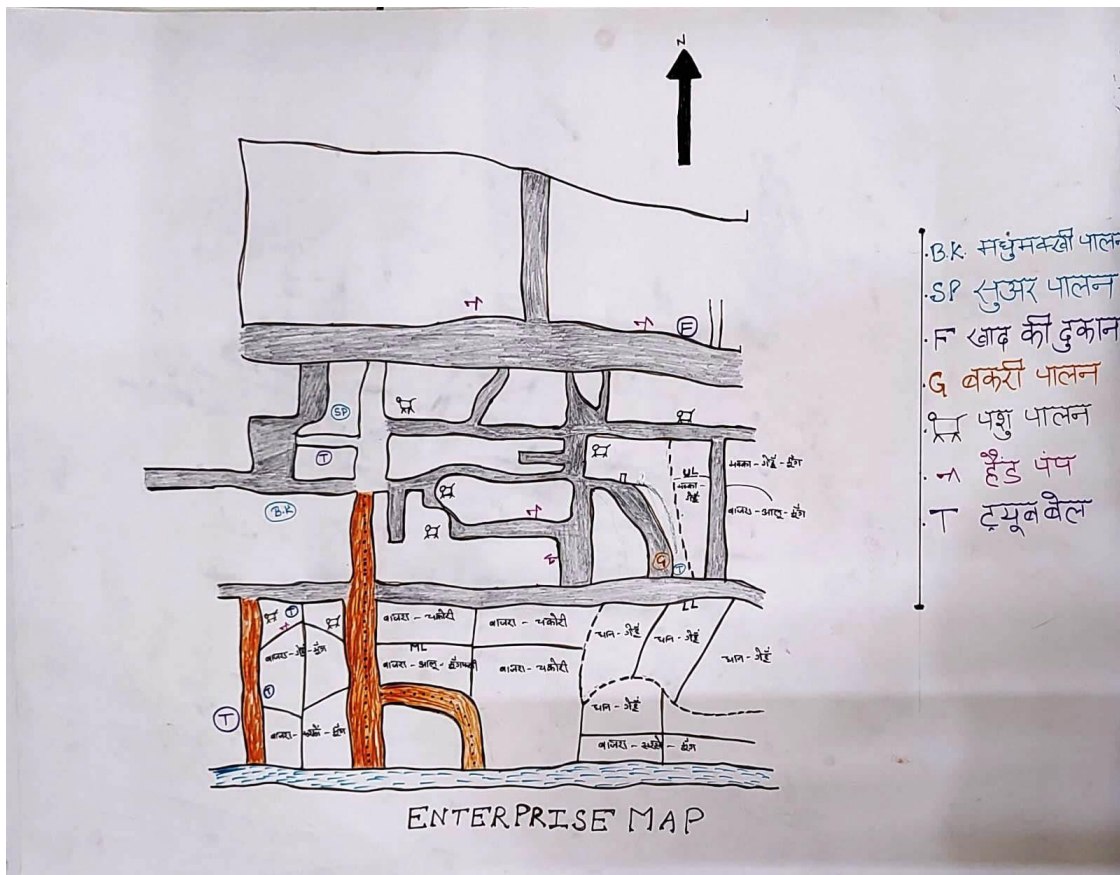
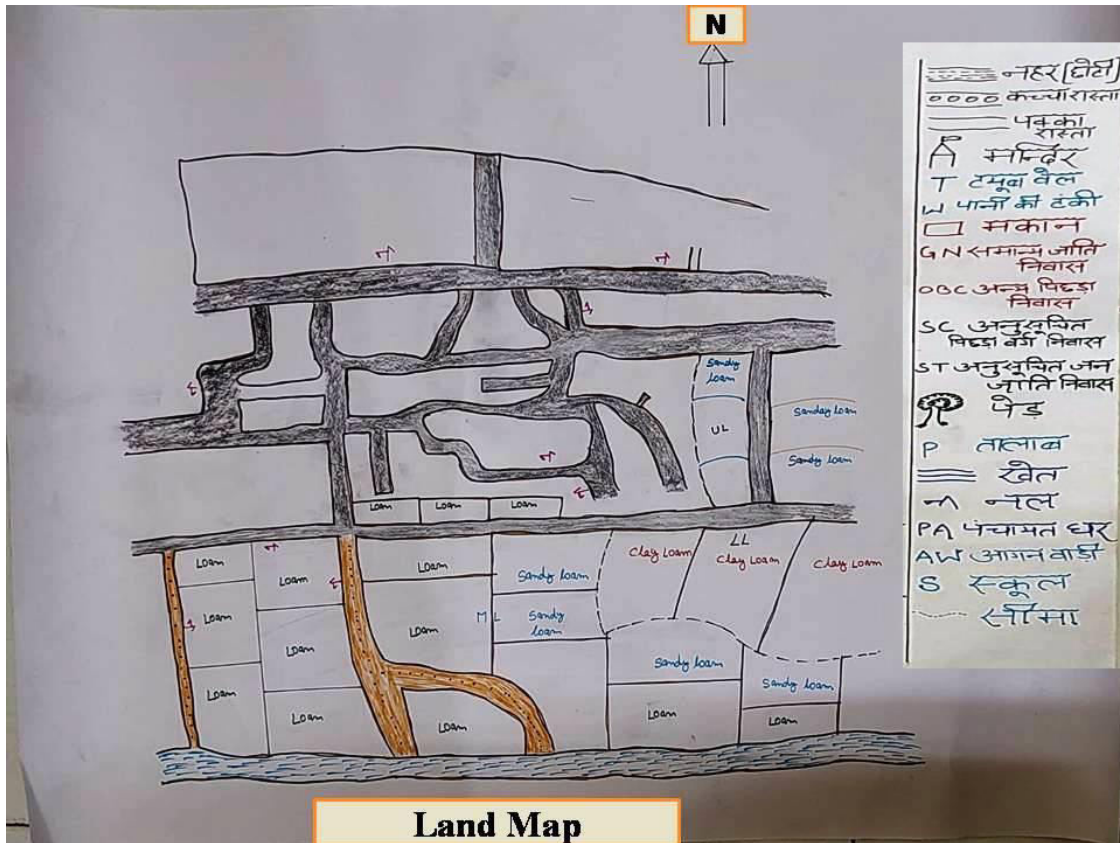
Name of Village – Hinona  
Block- Awagarh, District- Etah

1	Population	6023 ( Male- 3523, Female- 2500)
2	No. of Households	625 (Gen: 135, OBC: 375 , SC 115)
3	Literacy rate (%)	75%
4	Household with major occupation	Farming: 615Govt Job: 10 Dairying: 580 Fisheries: 00 Business: 20 & Beekeeping: 1
5	Education Facilities	
	Aganwadi	01
	Primary school	01
	Secondary School	00
6	Drinking water facility	Well (0), Hand pump (255)
7	Temple	11
8.	Medical Facility	Primary Health Centre (00)
9	Veterinary services	(4 km) (Churthara)
10	Financial services (Banks)	(4 km)
11	Dairy facility	Nearby village (0.5 km)
	farm implements	82
12	Availability of technology/knowledge source	KrishiVigyan Kendra (KVK), Awagarh (12km)
13.	Farm implements	
	Tractor	20
	Tractor-rotavator	05
	Laser leveller	00
	tube wells	22
	Power thresher	10
14	Agriculture Scenario	
	Total geographical area (ha)	480 ha
	Net area sown (ha)	440 ha
	Net Irrigated Area(ha)	440ha
	Major crops-	Paddy- 100 ha., Bajara- 95 ha. Maize- 100 ha., Wheat- 200 ha. Potato- 80 ha., Mustard- 80 ha. Moong- 08 ha. , Groundnut- 08 ha. Chakori- 16 ha., Tomato- 04 ha.. Pea- 04 ha., Chili- 3.6 ha Carrot- 0.4 ha.





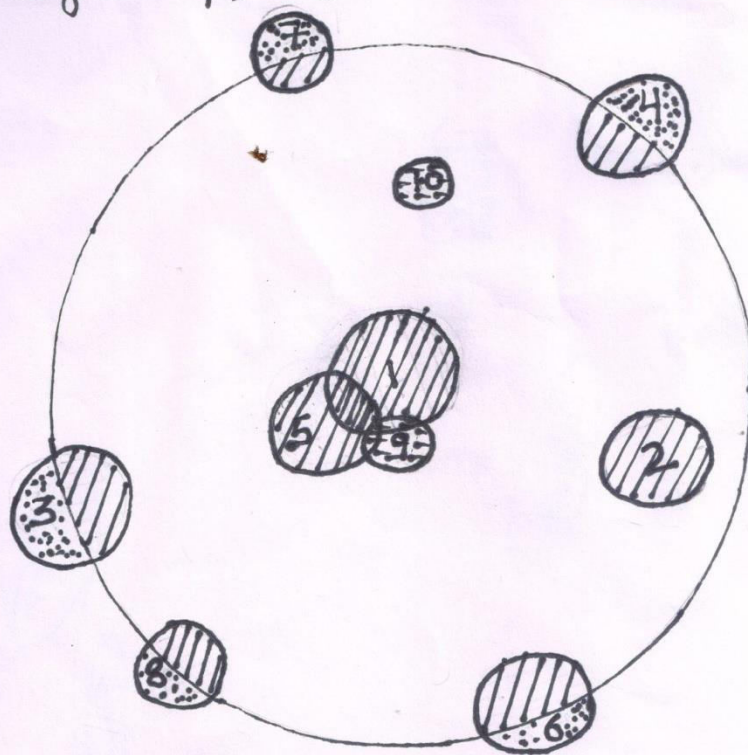






# VENN DIAGRAM

Exploring Crop, vegetable and animal Management

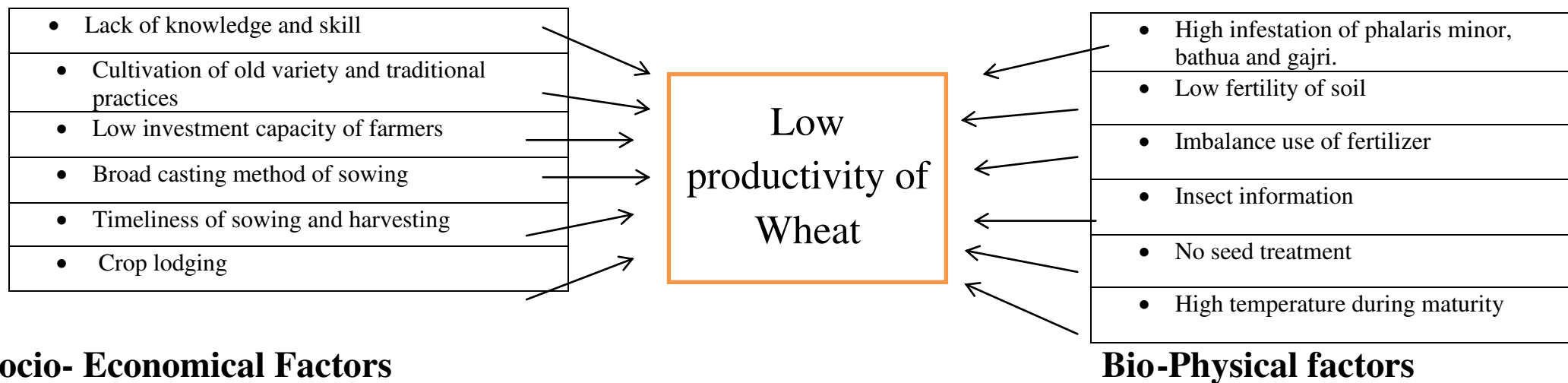


1. Krishi Vigyan Kendra
2. Cooperative Society
3. Private transport
4. U.P. Agriculture Department
5. Krishi Gyan Ganga Magazine
6. Aryavart Grameen Bank
7. Radio Programme
8. Animal Husbandry Department
9. Villager : Raj Kishore Pathak
10. Villager : Veer Pal

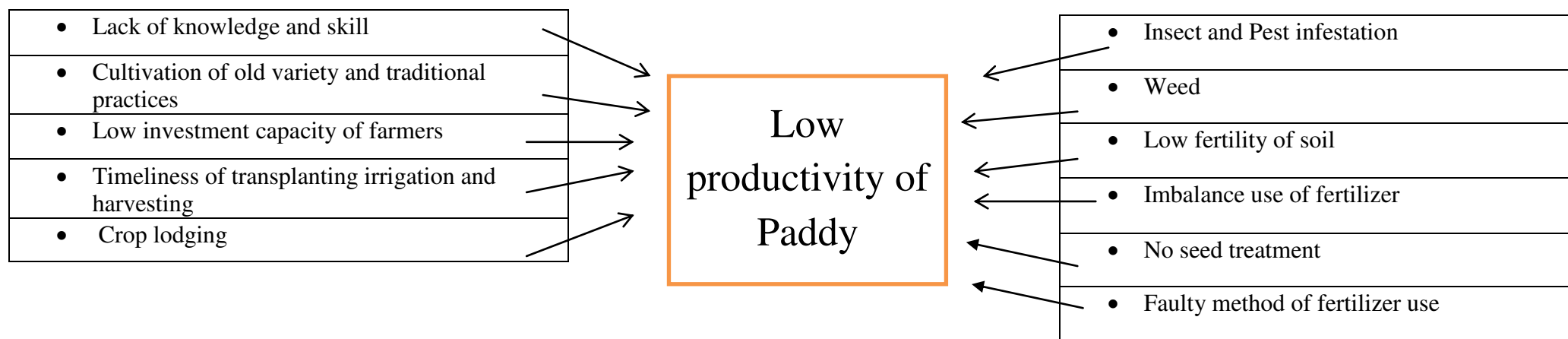
VILLAGE : HINONA  
BLOCK : AWAGARH  
DISTRICT : ETAH



## Problem cause diagram of Wheat crop



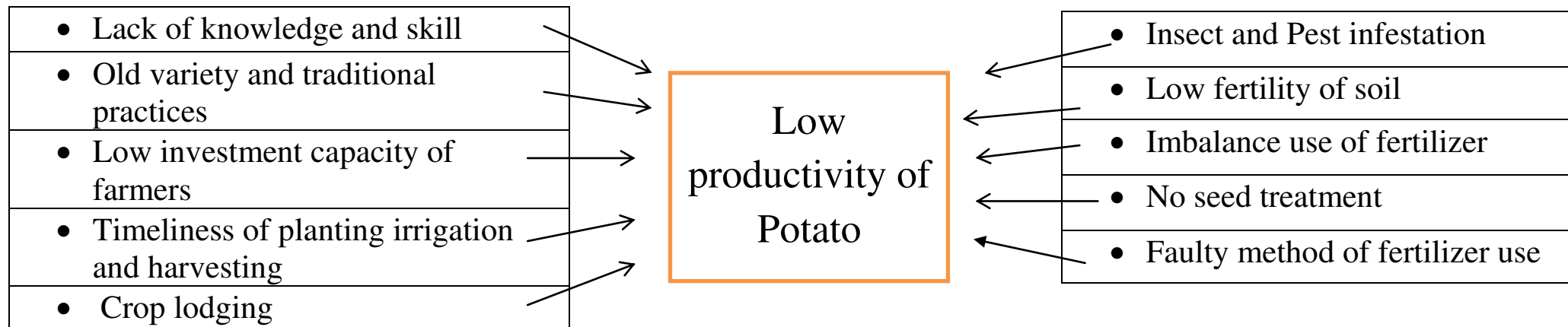
## Problem cause diagram of Paddy crop



## Socio- Economical Factors

## Bio-Physical factors

### Problem cause diagram of Potato crop





## Socio- Economical Factors

## Bio-Physical factors

### Constraints, ranking and possible solution

S No	Problem	Cause	Rank	Possible solution
1.	Low productivity of Wheat	High infestation of Phalaris minor Bathua and gajri	I	OFT, FLD & Training
		Low fertility of soil	II	FLD & Training
		Imbalance use of fertilizer	III	FLD & Training
		Lack of knowledge and skill	IV	Training
		Cultivation of old variety and traditional practices	V	FLD & Training
		Low investment capacity of farmers	VI	Training
		Broadcasting method of sowing	VII	FLD & Training
		Timeliness of sowing irrigation and harvesting	VIII	FLD & Training
		Crop lodging	IX	FLD & Training
		Insect infestation	X	FLD & Training
		No seed treatment	XI	FLD & Training
		High temperature during maturity	XII	Training

S No	Problem	Cause	Rank	Possible solution
2.	Low productivity of Paddy	Insect & Pest infestation	I	OFT, FLD & Training
		Low fertility of soil	II	FLD & Training

		Imbalance use of fertilizer	III	FLD & Training
		Lack of knowledge and skill	IV	FLD & Training
		Cultivation of old variety and traditional practices	V	Training
		Low investment capacity of farmers	VI	FLD & Training
		Broadcasting method of sowing	VII	Training
		Timeliness of sowing irrigation and harvesting	VIII	FLD & Training
		Crop lodging	IX	FLD & Training
		No seed treatment	X	FLD & Training
		Faulty method of fertilizer use	XI	FLD & Training

S No	Problem	Cause	Rank	Possible solution
3.	Low productivity of Potato	Insect & Pest infestation	I	OFT, FLD & Training
		Imbalance use of fertilizer	II	FLD & Training
		Low fertility of soil	III	FLD & Training
		Lack of knowledge and skill	IV	Training
		Old variety and traditional practices	V	FLD & Training
		Low investment capacity of farmers	VI	Training
		Timeliness of planting irrigation and harvesting	VII	FLD & Training
		No seed treatment	VIII	FLD & Training
		Faulty method of fertilizer use	IX	FLD & Training

S No	Problem	Cause	Rank	Possible solution
4.	Mortality of Buffalo Calves	Endo-farasites and improper feeding of colostrums	I	OFT, FLD & Training
		Malnutrition	II	FLD & Training
		Disease	III	FLD & Training
		Timely vaccination	IV	FLD & Training
		Lack of veterinary Doctor availability	V	Training
		Veterinary Hospital at remote distance	VI	Training

S No	Problem	Cause	Rank	Possible solution
5.	Impregnation of Buffalo heifers	Anoestrus	I	OFT, FLD & Training
		Availability of artificial insemination facility of remote distance	II	Training
		Malnutrition	III	FLD & Training
		Disease	IV	FLD & Training
		Breed	V	Training

## Seasonal Agriculture Calendar

Particulars	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Kharif crop						Y	Y					
Ploughing						Y	Y					
Sowing						Y	Y					
Weeding & hoeing							Y	Y	Y			
Harvesting									Y	Y	Y	
Storage										Y	Y	
Livestock					Y	Y	Y	Y	Y			
Cattle & Buffalo					Y	Y	Y	Y	Y			

Particulars	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Rabi crop									Y	Y	Y	
Ploughing									Y	Y	Y	
Sowing									Y	Y	Y	Y
Weeding & hoeing	Y	Y								Y	Y	Y
Harvesting	Y	Y	Y	Y								
Storage			Y		Y	Y						
Livestock	Y	Y								Y	Y	Y
Cattle & Buffalo	Y	Y								Y	Y	Y
Goat and sheep	Y	Y								Y	Y	Y

Particulars	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
Zaid crop		Y	Y									
Ploughing		Y	Y									

Sowing		Y	Y									
Weeding & hoeing			Y	Y								
Harvesting						Y	Y					
Storage							Y	Y				
Livestock			Y	Y	Y							
Cattle & Buffalo			Y	Y	Y							
Goat and sheep			Y	Y	Y							

## 2.5 Details of Operational area / Villages

S.No.	Name of the block	Name of the village	Major crops & enterprises	Existing yield (q/ha, number/year)	Major problem identified	Identified Thrust Areas
1.	Awagarh	Hinona, Nagla Bandha -Block Awagarh,	Paddy, Bajara, Maize, Wheat, Mustard, Potato, Moong, Groundnut, Tomato, Chakori. Pea, Chilli, Carrot		Low productivity of Wheat Low productivity of Paddy Low productivity of Potato Mortality of Buffalo Calves Impregnation of Buffalo heifers	<ul style="list-style-type: none"> <li>• Availability of new improved Variety seeds</li> <li>• Application of balance fertilizer</li> <li>• Application of balance micronutrient</li> <li>• Weed control</li> <li>• Control of insects and decease</li> <li>• Mineral feeding deworming and vaccination</li> <li>• Skill for maintenance operation and repairing of Agricultural machinery</li> <li>• Skill for self-employment Availability of improved agricultural machinery</li> </ul>

**2.6 Top five major priority thrust areas:**

- i.Availability of improved variety seeds
- ii.Weed Management.
- iii.Control of shoot borer and fruit borer
- iv.Technical know-how for maintenance, operation and repairing
- v.Application of balance fertilizer & water management

### 3. TECHNICAL PROGRAMME

#### 3 A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
7	40	42.8, 2 Unit 140 No.	292

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
113	2554	116	4474

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
960	18250		300

#### 3 B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	IPM	Paddy	Low Yield of Paddy	Managemen t of stem borer of paddy				Field day	Insecticide
2	Weed Management	Wheat	Low Yield due to infestation of weeds	Managemen t of paddy				Field day	Herbicide
3	IDM	Potato	Low yield of potato due to infestation of late blight	Managemen t of late blight of potato				Field Day	Fungicide
4	IDM	Paddy	Low Yield of Paddy	Managemen t of falst smut				Field Day	Fundicide
5	Dairy Management	Buffalo	Mortality of buffalo calves due to endo-parasites and improper feeding of colostrums	Effect of dewormer and proper feeding of colostrums In newly born calves				Field Day	Albendazole (tab.)
6	Dairy Management	Buffalo	Anoestrus in buffalo heifers due to micronutrients deficiency and endo parasite infestation	Effect of feeding of mineral mixture and dewormer				Field Day	Librazole kit



7	Vegetable Management	Leafy Vegetables	Fast & Pelage of leafy vegetables	Manageme nt of leafy vegetables through Arka high humidity storage box				Field Day	Arka high humidity storage box
8	INM	Moong	Low Yield due to imbalance nutrients		Use balance fertilizer on the basis of SHC			Field day	Soil Testing Report
9	INM	Paddy-PB-1692	Low Yield due to imbalance nutrients		Use balance fertilizer on the basis of SHC			Field day	Soil Testing Report
10	IPM	Paddy	Low Yield		IPM use in paddy			Field day	Chlorantra niliprocle (0.4%)
11	IPM	Mustard	-do-		IPM use in Mustard			Field Day	Fipronil 5%SC 1lit/ha
12	VE	Wheat	-do-		VE in Wheat			Field Day	Seed
13	VE	Sorghum	-do-		VE in sorghum			Field Day	Seed
14	IPM & VE	Garlic	-do-		IPM & VE in Garlic			Field day	Seed + Sulpher + Blitox
15	VE	Okra	Low Yield		Testing of lalima variety			Field day	seed
16	VE	Fodder Barseem	Low Yield		Testing variety bundle barseem- 3			Field Day	Seed
17	Income generation	Oyster Mushroom	Low income		Oyster Mushroom production			Field Day	Bag, spawn& Formaldehyde
18	Nutritional Management	Nutritional Kitchen Garden	Poor health		Household food security by kitchen garden			Field Day	1 unit of seeds & Seedlings
19	Nutritional Management	Nutritional supplement for growing children	Poor health		No cost nutritional supplement			Field Day	Rostedche ckpea flour, sesame seed &Jaggery
20	Technical know-how about Agricultural Machinery	Agril. Engg.	Less technical know-how about Agricultural Machinery			Repair & maintenanc e of farm machinery & implements	Care and maintenance of farm machinery and implements	Training	-
21	Lowering of ground water level	Recharging of ground water	Lowering of ground water level every year	Assessmen t of roof top water recharge pit				Field Day	20 feet length of 3 inch pvc pipe

22	-do-	-do-	-do-	Assessment of irrigation cum recharge tube well				Field Day	Two pvc T, two pvc elbow & 20 feet length of 4 inch pvc pipe
23	Availability of improved agriculture machinery	Maze sheller	Labour shortage		Shelling of Maize by Manual maize sheller				100 Maze Sheller
24	-do-	Manual wheel hoe	Labour shortage		Weeding of crops by Manual wheel hoe				10 Manual wheel hoe
25	-do-	Conoweeder	Labour shortage		Weeding of paddy by conoweeder				10 Conoweeder
26	-do-	Groundnut decorticator	Labour shortage		Decorticating of Groundnut by Manual groundnut decorticator				10 Groundnut Decorticator
27	-do-	Battery operated knapsack sprayer	Labour shortage		Spraying of insecticides, fungicides, weedicides and plant nutrients				5 Battery operated knapsack sprayer
28	-do-	Fertilizer broadcaster	Labour shortage		Broadcasting of fertilizers by Fertilizer broadcaster				5 Fertilizer broadcaster
29	-do-	CIAE serrated sickle	Working efficiency		Harvesting of crops (wheat & paddy) by serrated sickle				10 CIAE serrated sickle
30	-do-	Super Seeder	Late preparation of seed bed for sowing of wheat after combine harvested paddy field		Sowing of wheat by super seeder			Field Day	Service of Super seeder
31	-do-	Mulcher	burning of crop residue		In-situ crop residue cutting			Field Day	Service of Mulcher

### 3.1 Technologies to be assessed

#### A.1 Abstract on the number of technologies to be assessed in respect of **crops**

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										

Weed Management	1								
Integrated Crop Management									
Integrated Nutrient Management									
Integrated Farming System									
Mushroom cultivation									
Drudgery reduction									
Farm machineries									
Value addition									
Integrated Pest Management	1								
Integrated Disease Management	1				1				
Resource conservation technology									
Small Scale income generating enterprises									
other					2				
<b>TOTAL</b>	<b>3</b>				<b>3</b>				

## A.2. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises	2							
<b>TOTAL</b>	<b>2</b>							

### OFT-1

Particulars	Contents
Crop/Enterprises	Wheat
Title	Management of Weed
Problem diagnosed	Low yield of wheat due to infestation of weeds
Major Cause	Phalaris minor (40%), Bathua (20%) and gajri (10%)
Production System	Rice based
Farmer's Practices	Farmers practices (Application of Sulphosulphuran 75% + Metsulphuron 5% WG@40g/ha at 30-35 DAS)
Details of technology identified for solution	T1- Application of Sulphosulphuran 75% + Metsulphuron 5% WG@40g/ha at 30-35 DAS T2
	T2- Application of cladinofop 9 % + Metribuzin 20% WP@600g/ha at 30-35 DAS
No. of farmers	5
Critical inputs	Herbicide
Source	ICAR-IIWBR, Karnal
Performance indicator:	
(i) Technical	1. No of Tillers per plant (ii) No of Plants per sqm (iii) Weed population (No/m <sup>2</sup> ) (iv) Yield (q/ha)
2. Economic	1. Cost of cultivation (Rs./ha) 2. Net Return (Rs./ha) 3. Cost Benefit Ratio
3. Social	1. Adoption rate 2. Farmer reaction

**OFT-2**

Particulars	Contents
Crop/Enterprises	Paddy
Title	Management of Stem borer of Paddy
Problem diagnosed	Low yield of Paddy
Production System	Rice based
Farmer's Practices	Spray of quinolphos @1.0l/ha chlorantraniliprole (Coragen) 18.5 SC@1ml/3 l water) at emergence of white ear
Details of technology identified for solution	T1- (FP) – (Spray of quinolphos @1.0l/ha chlorantraniliprole (Coragen) 18.5 SC@1ml/3 l water) at emergence of white ear)
	T2- Spraying of flubendiamide 20% WG@125g/ha as foliar application at tillering stage
No. of farmers	5
Critical inputs	Insecticides
Source	TNAU, Coimbtore
Performance indicator:	
1. Technical	1- Population of insect/plant 2- No. of infected plant/sqm 3- Yield (q/ha)
2. Economic	1- Cost of cultivation (Rs./ha) 2. Net Return (Rs./ha) 3. Cost Benefit Ratio
3. Social	1. Adoption rate 2. Farmer reaction

**OFT-3**

Particulars	Contents
Crop/Enterprises	Paddy
Title	Management of false smut
Problem diagnosed	Low yield of Paddy
Major Cause	False smut (> 30% panicle affected)
Production System	Rice based
Farmer's Practices	Application of carbendazim after appearance of disease.
Details of technology identified for solution	T1- Application of carbendazim @1.0kg/ha after appearance of disease
	T2- Two spraying of azoxystrobin (18.2%) SC + difenoconazole (11.4%) SC@500 ml/ha at boot leaf stage and milking stage.
No. of farmers	5
Critical inputs	Fungicide
Source	ICAR-CRRI, Cuttack
Performance indicator:	
(i) Technical	Disease intensity (No./ Plant), yield (q/ha)
(ii) Economic	1. Cost of cultivation (Rs./ha) 2. Net Return (Rs./ha) 3. Cost Benefit Ratio
(ii) Social	1. Adoption rate 2. Farmer reaction

**OFT- 4**

Particulars	Contents
Crop/Enterprises	Potato
Title	Management of late blight of potato
Problem diagnosed	Low yield of potato due to infestation of Late Blight of Potato
Farming Situation	Irrigated
Production System	Maize based
Farmer's Practices	Use of 260:225:37 NPK through Urea, DAP and MOP
Details of technology identified for solution	<p>T1- Spray of Mancozeb @2.5kg/ha as profiletic (2-3 times ) and Redomil Gold (Metalaxyl 4% + Mancozed 64% )@1.25kg/ha, 2-3 times on occurrence of disease)</p> <p>T2- Spray (1-2) of <a href="#">Mencozeb @ 2.5/ha</a> as profiletic and Mancozeb@ 2.0 kg + Dimethomorph@ 1.0kg/ha on occurrence of disease and repetition at 8-10days interval.</p>
No. of farmers	10
Critical inputs	Fungicide
Source	ICAR-CPRI-RS, Modipuram
Cost of Input	Rs. 3000
Performance indicator:	
(i) Technical	1. Tuber Yield (q/ha) 2. Tuber Size (cm) and no. of tubers and total weight/plant 3. Infestation of late blight (%)
(ii) Economic	1. Cost of cultivation (Rs./ha) 2. Net Return (Rs./ha) 3. Cost Benefit Ratio
(iii) Social	1. Adoption rate 2. Farmer reaction

**OFT- 5**

Particulars	Contents
Crop/Enterprises	Buffalo
Title	Effect of dewormer and proper feeding of colostrums in newly born calves.
Problem diagnosed	Mortality of buffalo calved due to endo-parasites and improper feeding of colostrums.
Farmer's Practices	Imbalance feeding
Details of technology identified for solution	<p>T1- Farmer Practice (No use of dewormer and improper feeding of colostrum)</p> <p>T2- Albendazole @1.0 ml per kg body weight given in 4 dose at the time 5, 25, 60 and 90 days and proper feeding of colostrums.</p>
No. of farmers	5
Critical inputs	Albendazole
Source	IVRI, Izzatnagar
Performance indicator:	

(i)	Technical	No. of cure Animal
(ii)	Economic	1. Additional cost of profit 2. C.B. Ratio
(iii)	Social	1. Adoption rate      2. Farmer reaction

#### OFT- 6

Particulars	Contents
Crop/Enterprises	Buffalo
Title	Effect of feeding of mineral mixture and dewormer
Problem diagnosed	Anoestrus in buffalo heifers due to micronutrient deficiency and endo parasite infestation. .
Farmer's Practices	Imbalance feeding
Details of technology identified for solution	T1- Farmer Practice (No use of dewormer)
	T2- Mineral mixture (50 gm /head/day for 120 days) and dewormer (1 <sup>st</sup> and 60 days) Librazole kit
No. of farmers	5
Critical inputs	Librazole Kit
Source	IVRI, Izzatnagar
Performance indicator:	
(iv)      Technical	No. of cure Animal
(v)      Economic	1. Additional cost of profit 2. C.B. Ratio
3.      Social	1. Adoption rate      2. Farmer reaction

#### OFT- 7

Particulars	Contents
Crop/Enterprises	Leafy vegetables.
Title	Management of Leafy vegetables through Arka high humidity storage box.
Problem diagnosed/Cause	Fast & pelage of leafy vegetables.
Details of technology identified for solution	T1- Using wet Jute bag.
	T2- Using Arka high humidity storage box.
No. of farmers	05
Critical inputs	Arka high humidity storage box.
Source	ICAR- IIHR Bangalore
Performance indicator:	
(i)      Technical	Safe storage life of vegetables (days)
(ii)      Economic	C.B. Ratio
(iii)      Social	1. Adoption rate      2. Farmer women reaction

### 3.2 Frontline Demonstrations

#### A. Details of FLDs to be organized -

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demonstration	Parameters identified (Yield related attributes, yield economics and farmers' perception)
1	Paddy	IPM	Management of stem borer	Chlorantraniliprole (0.4%) 4kg/acre	Kharif 2024	10	25	Yield C:B ratio, No. of effected plant/m <sup>2</sup>
2	Sorghum	VE	Promote millets production	CSH- 18 Seed 15kg/ha,	Kharif 2024	3	5	Yield C:B ratio,
3	Wheat	VE	More productivity	DBW- 187 Seed 125 kg	Rabi 2024-25	10	25	Yield C:B ratio, No. of tillers/plant
4	Mustard	IPM	Management of sucking pest	Fipronil 5%SC 1lit/ha	Rabi 2024-25	5	15	Yield C:B ratio
5	Moong	INM	Use of balance fertilizer on the basis of soil health card	Soil Health Card	Summer 2024	0.4	1	Yield C.B. ratio
6	Paddy	INM	Use of balance fertilizer on the basis of soil health card	Soil Health Card	Kharif 2024	0.4	1	Yield C.B. ratio
7	Garlic	ICM	Enhance production & Management of fungal disease	Agri Found Parvati Seed + Sulpher@25kg/h+ Blitox-50 @ 0.5 ml/L water	Rabi-2024	1	5	1-Yield Q/Ha. 2- Size of the Bulb 3- weight of Bulb and no. of cloves in a bulb 4-C:B ratio
8	Okra	ICM	Enhance production & Management of wilt	ArkaAnamikaSeed+Tricoderma	Rabi- 2024	1	10	1.Yield Q/ha. 2.C:B ratio and length of the fruits.
9	Fodder Barseem	Feed and fodder technology	Demonstration of high yielding variety	bundelbarseem – 3 Seed- 25 kg. total Rs. 12500/- approx	Rabi- 2024	1.0	10	Per Square meter cutting weight (kg.) yield/ha. (qt.) B.C. Ratio
10	Mushroom production	Income generation	Oyster Mushroom production	Bag, spawan, Formaldehyde	Rabi- 2024	2 unit	20	1.Yield Q/ha. 2.C:B ratio
11	Nutritional Kitchen Garden	Poor health due to lack of nutritional diet	Household food security	1 unit of different Vegetables Seed & Seedlings	Through out the year	1	10	Yield Profit Nutritional
12	Nutritional Supplement for growing children	Design and development of high Nutrient diet	No cost nutritional supplement (Sattu)	Roasted chick pea flour, Sesame Seed & Jiggery	Kharif	-	05	Nutritional Acceptability
<b>Total</b>						<b>32.8</b>	<b>112</b>	

#### B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	11	Feb, March, June, Sep.	220
2	Farmers Training	11	July, Oct., June	220
3	Media coverage	10		
4	Training for extension functionaries	5		125

### C. Details of FLD on Enterprises

#### (i) Farm Implements

Name of the implement	Technology for demonstration	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Maize Sheller	Shelling of maize	Maize	Kharif, Zaid	100	100 No.	Manual maize Sheller	1. Shelling capacity (kg/hr) 2. Broken kernels (%) 3. Operating cost (Rs./ha)
Manual Wheel hoe	Weeding of crops	Groundnut, Mustard, chickpea, Maize, Arhar etc.	Kharif, Rabi & Zaid	10	10 No.	Manual wheel hoe	1. Capacity (ha/hr) 2. Weeding efficiency (%) 3. Plant damage (%) 4. Operating cost (Rs./ha)
Cono-weeder	Weeding of paddy	Paddy	Kharif	10	2 ha.	Cono-Weeder	1. Capacity (ha/hr) 2. Cost of operation (Rs./ha) 3. Plant damage (%)
Ground nut Decorticator	Decorticating of groundnut	Ground nut	Whole year	10	10 No.	Ground nut Decorticator	1 Capacity(Kg/hr) 2 Broken kernels (%) 3 Operating cost (Rs./kg.)
Battery operated knapsack sprayer	Spraying of different solutions	All crop	Whole year	5	5 No.	Battery operated knapsack sprayer	1 Capacity (ha/hr) 2 Operating cost(Rs/ha)
Fertilizer Broadcaster	Broadcasting of fertilizer	Wheat	Rabi	5	5 No.	Fertilizer broadcaster	1 Capacity ( ha/hr) 2 Operating cast (Rs./hr)
CIAE serrated sickle	Harvesting of crops	Wheat	Rabi	10	10 No.	CIAE serrated sickle	Harvesting capacity (ha/day) Teeth grinding interval (ha) Harvesting cost (Rs./ha)
Super Seeder	Management of paddy residue with timely sowing	Wheat	Rabi	5	4 ha	Service of Super Seeder	1. Yield (qt. /ha) 2. Cost of Cultivation (Rs./ha.) 3. C.B. Ratio.
Mulcher	Management of paddy residue	Paddy	Rabi	5	4 ha	Service of Mulcher	1.Yield (qt. /ha) 2. Cost of cultivation (Rs./ha) 3. C:B ratio

### 3.3 Training (Including the sponsored and FLD training programmes):

#### A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	10	-	10	5	-	5	15
Seed production	1	15	-	15	5	-	5	20
Integrated Crop Management	4	60	-	60	20	-	20	80
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	25	10	35	5	-	5	40
Exotic vegetables like Broccoli	1	10	5	15	5	5	10	25
Export potential vegetables	1	10	-	10	5	-	5	15
Training and Pruning	1	10	-	10	-	-	-	10
e) Tuber crops								
Production and Management technology	2	35	-	35	10	5	15	50
f) Spices								



Production and Management technology	1	15	10	25	5	5	10	35
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	10	-	10	5	-	5	15
Integrated Nutrient Management	1	10	-	10	5	-	5	15
Production and use of organic inputs	1	10	-	10	5	-	5	15
Micro nutrient deficiency in crops	1	10	-	10	5	-	5	15
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	2	-	20	20	-	10	10	30
Design and development of low/minimum cost diet	1	-	10	10	-	05	05	15
Designing and development for high nutrient efficiency diet	1	-	10	10	-	05	05	15
Minimization of nutrient loss in processing	1	-	10	10	-	05	05	15
Storage loss minimization techniques	1	-	10	10	-	05	05	15
Value addition	1	-	10	10	-	05	05	15
Women and child care	3	-	30	30	-	15	15	45
<b>VI Agril. Engineering</b>								
Repair and maintenance of farm machinery and implements	7	180	-	180	48	-	48	228
<b>IX Production of Inputs at site</b>								
Vermi-compost production	1	10	-	10	5	-	5	15
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	1	10	5	15	5	0	5	20
Formation and Management of SHGs/FPOs etc	1	10	5	15	5	0	5	20
Entrepreneurial development of farmers/youths	1	10	5	15	10	0	10	25
<b>TOTAL</b>	<b>39</b>	<b>450</b>	<b>140</b>	<b>590</b>	<b>153</b>	<b>65</b>	<b>218</b>	<b>808</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	1	10	5	15	5	0	5	20
Seed production	1	15	5	20	5	-	5	25
Repair and maintenance of farm machinery and implements	1	30	-	30	8	-	8	38
Nursery Management of Horticulture crops	1	10	-	10	-	-	-	10
Value addition	1	-	20	20	-	5	5	25
<b>TOTAL</b>	<b>5</b>	<b>65</b>	<b>30</b>	<b>95</b>	<b>18</b>	<b>5</b>	<b>23</b>	<b>118</b>
<b>(C) Extension Personnel</b>								
Integrated Pest Management	1	20	-	20	-	-	-	20
Formation and Management of SHGs	1	10	5	15	5	0	5	20
Capacity building for ICT application	1	10	5	15	5	0	5	20
WTO and IPR issues	2	55	-	55	15	-	15	70
Low cost and nutrient efficient diet designing	1	-	20	20	-	10	10	30
Gender mainstreaming through SHGs	1	10	-	10	5	-	5	15
<b>TOTAL</b>	<b>7</b>	<b>105</b>	<b>30</b>	<b>135</b>	<b>30</b>	<b>10</b>	<b>40</b>	<b>175</b>
<b>G. Total</b>	<b>51</b>	<b>620</b>	<b>200</b>	<b>820</b>	<b>201</b>	<b>80</b>	<b>281</b>	<b>1101</b>

## B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	2	30	-	30	10	-	10	40
Nursery management	2	20	-	20	10	-	10	30
Integrated Crop Management	5	70	-	70	20	-	20	90
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	4	45	10	55	13	2	15	70
Export potential vegetables	1	15	-	15	5	-	5	20
Layout and Management of Orchards	2	20	-	20	5	-	5	25
<b>e) Tuber crops</b>								
Production and Management technology	3	35	15	50	15	-	15	65
<b>f) Spices</b>								
Production and Management technology	3	40	10	50	10	-	10	60
<b>III Soil Health and Fertility Management</b>								
Soil and Water Conservation	2	20	-	20	10	-	10	30
Production and use of organic inputs	2	20	-	20	10	-	10	30
Micro nutrient deficiency in crops	1	10	-	10	5	-	5	15
Soil and Water Testing	5	50	-	50	25	-	25	75
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	2	-	40	40	-	10	10	50
Design and development of low/minimum cost diet	3	-	60	60	-	15	15	75
Designing and development for high nutrient efficiency diet	1	-	20	20	-	5	5	25
Minimization of nutrient loss in processing	1	-	20	20	-	5	5	25
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1	-	20	20	-	5	5	25
Value addition	3	-	60	60	-	15	15	75
Location specific drudgery reduction technologies	1	-	20	20	-	5	5	25
Women and child care	1	-	20	20	-	5	5	25
<b>VI Agril. Engineering</b>								
Repair and maintenance of farm machinery and implements	14	420	-	420	98	-	98	518
<b>X Capacity Building and Group Dynamics</b>								
Formation and Management of SHGs(HS)	1	15	0	15	5	0	5	20
Mobilization of social capital	1	15	0	15	0	5	5	20
Entrepreneurial development of farmers/youths (Agro.)	1	10	5	15	5	0	5	20
<b>TOTAL</b>	<b>62</b>	<b>835</b>	<b>300</b>	<b>1135</b>	<b>246</b>	<b>72</b>	<b>318</b>	<b>1453</b>

**C) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	3	40	-	40	15	-	15	55
Seed production	1	15	-	15	5	-	5	20
Nursery management	2	20	-	20	10	-	10	30
Integrated Crop Management	9	130	-	130	40	-	40	170
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	6	70	20	90	18	2	20	110
Exotic vegetables like Broccoli	1	10	5	15	5	5	10	25
Export potential vegetables	2	25	-	25	10	-	10	35
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	3	30	-	30	5	-	5	35
e) Tuber crops								
Production and Management technology	5	70	15	85	25	5	30	115
f) Spices								
Production and Management technology	4	55	20	75	15	5	20	95
III Soil Health and Fertility Management								
Soil fertility management	3	30	-	30	15	-	15	45
Integrated Nutrient Management	1	10	-	10	5	-	5	15
Production and use of organic inputs	3	30	-	30	15	-	15	45
Micro nutrient deficiency in crops	2	20	-	20	10	-	10	30
Soil and Water Testing	5	50	-	50	25	-	25	75
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	4	-	60	60	-	20	20	80
Design and development of low/minimum cost diet	4	-	70	70	-	20	20	90
Designing and development for high nutrient efficiency diet	2	-	30	30	-	10	10	40
Minimization of nutrient loss in processing	2	-	30	30	-	10	10	40
Storage loss minimization techniques	2	-	30	30	-	10	10	40
Value addition	4	-	70	70	-	20	20	90
Location specific drudgery reduction technologies	1	-	20	20	-	5	5	25
Women and child care	4	-	50	50	-	20	20	70
VI Agril. Engineering								
Repair and maintenance of farm machinery and implements	21	600	-	600	146	-	146	746
IX Production of Inputs at site								
Vermi-compost production	1	10	-	10	5	-	5	15
X Capacity Building and Group Dynamics								
Leadership development	1	10	5	15	5	0	5	20
Formation and Management of SHGs	2	25	5	30	10	0	10	40
Mobilization of social capital	1	15	0	15	0	5	5	20
Entrepreneurial development of farmers/youths	2	20	10	30	15	0	15	45
TOTAL	101	1285	440	1725	399	137	536	2261
(B) RURAL YOUTH								
Mushroom Production	1	10	5	15	5	0	5	20
Seed production	1	15	5	20	5	-	5	25
Repair and maintenance of farm machinery and implements	1	30	-	30	8	-	8	38
Nursery Management of Horticulture crops	1	10	-	10	-	-	-	10
Training and pruning of orchards								
Value addition	1	-	20	20	-	5	5	25
TOTAL	5	65	30	95	18	5	23	118
(C) Extension Personnel								
Integrated Pest Management	1	20	-	20	-	-	-	20

Formation and Management of SHGs	1	10	5	15	5	0	5	20
Capacity building for ICT application	1	10	5	15	5	0	5	20
WTO and IPR issues	2	55	-	55	15	-	15	70
Low cost and nutrient efficient diet designing	1	-	20	20	-	10	10	30
Gender mainstreaming through SHGs	1	10	-	10	5	-	5	15
<b>Total</b>	<b>7</b>	<b>105</b>	<b>30</b>	<b>135</b>	<b>30</b>	<b>10</b>	<b>40</b>	<b>175</b>
<b>G. TOTAL</b>	<b>113</b>	<b>1455</b>	<b>500</b>	<b>1955</b>	<b>447</b>	<b>152</b>	<b>599</b>	<b>2554</b>

Details of training programmes attached in **Annexure -I**

### 3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	11	170	30	200	5	2	7	175	32	207
KisanMela	2	800	300	1100	12	2	14	812	302	1114
KisanGhosthi	3	250	70	320	15	-	15	265	70	335
Exhibition	2	100	20	120	5	1	6	105	21	126
Film Show	2	65	35	100	2	2	4	67	37	104
Group meetings	2	50	10	60	-	-	-	50	10	60
Newspaper coverage	24									
Radio talks	3									
TV talks	4									
Popular articles	8									
Extension Literature	4									
<b>Advisory Services</b>	1	100	-	100	-	-	-	100	-	100
Scientific visit to farmers field	20	100	10	110	-	-	-	100	10	110
Farmers visit to KVK	1	15	-	15	-	-	-	15	-	15
Ex-trainees Sammelan	1	50	10	60	5	-	5	55	10	65
Soil test campaigns	2	40	-	40	2	-	2	42	-	42
Farm Science Club	2	40	-	40	2	-	2	42	-	42
Conveners meet										
Self Help Group	2	30	10	40	3	-	3	33	10	43
Conveners meetings										
Celebration of important days (specify)	10	800	200	1000	12	2	14	812	202	1014
Any Other (Farmer Scientist Interaction, Swachhata Mission, Jal Shakti Abhiyan Awareness Camp)	12	848	235	1083	12	2	14	860	237	1097
<b>Total</b>	<b>116</b>	<b>3458</b>	<b>930</b>	<b>4388</b>	<b>75</b>	<b>11</b>	<b>86</b>	<b>3533</b>	<b>941</b>	<b>4474</b>

### 3.5 Target for Production and supply of Technological products

#### A) SEED MATERIALS

0	Crop	Variety	Quantity (qtl.)
<b>CEREALS</b>	Paddy	Pusa-1718, Pusa-1847, Pusa-1692	650.00
	Wheat	DBW-187,DBW-303, KRL-283	275.00
<b>OILSEEDS</b>			
	Mustard	DRMR- 150-35	35.00
<b>PULSES</b>			
		Total	<b>960.00</b>

## B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
<b>FRUITS</b>			
	Papaya	Pant-5	100
	Lemon	Yureka	50
<b>SPICES</b>			
<b>VEGETABLES</b>			
	Cauliflower	Kashi Gobi	2000
	Cabbage	PusaMukta, Kranti	2500
	Tomato	K-25	6000
	Onion	AFLR	150Kg
	Chilli	PJ	2500
	Chilli	PJ-502	3000
	Brinjal	Navkiran	2000
<b>FOREST SPECIES</b>			
<b>ORNAMENTAL CROPS</b>			
	Marrigold	PB	5000
	Crysinthimum	Local	5000
	Holihok	Local	2000
	Verbena perinial		2000
	Gliardia		2500
	Rose		250
	Ashok		1000
	Duranta		500
		<b>Total</b>	

## C) BIO-PRODUCT

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>	<b>E fotida</b>		<b>500</b>	
1			<b>1600</b>	
2				

## D) LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle			22	01
GOAT		Barbari	100	01
SHEEP				
POULTRY		Kari Nirbhik, KadakNath	5000	01
Pig farming				
FISHERIES		Rohu, kathla, Naina		

## 3.6 Literature to be Developed/Published

(A) KVK News Letter :

Date of start :

Number of copies to be published :

**(B) Literature developed/published**

S.No.	Topic	Number
1	Research paper each scientist	6
2	Technical reports	
3	News letters	
4	Training manual all discipline	
5	Popular article	6
6	Extension literature	6
	<b>Total</b>	<b>18</b>

**3.7. Success stories/Case studies identified for development as a case.**

-

- Brief introduction/Background
- Interventions/process
- Output
- Outcomes
- Impact
  - Social economic
  - Bio-Physical
- Good Action Photographs

**3.9 Indicate the methodology for identifying OFTs/FLDs**

**For OFT :**

- PRA
- Problem identified from Matrix based ranking & analysis
- Field level observations
- Farmer group discussions
- Others if any

**For FLD :**

- New variety/technology
- Poor yield at farmers level
- Existing cropping system
- Others if any

**3.10 Field activities**

- Name of villages identified/adopted with block name (from which year) - Sahnuwa, Hinona -Block Awagarh, Himmatpur -Block Nidholi Kalan, Saray Raj Nagar, Block- Jalesar
- No. of farm families selected per village :35**
- No. of survey/PRA conducted :3**
- No. of technologies taken to the adopted villages:5**
- Name of the technologies found suitable by the farmers of the adopted villages:**Line sowing, Use of improved varieties of different crops, Balance use of fertilizers on the basis of soil testing report, Vaccination for FMD, Safe grain storage, Nutritional kitchen gardening,
- Impact (production, income, employment, area/technological– horizontal/vertical)** Increase their crop production and income up to 20-25%.
- Constraints if any in the continued application of these improved technologies

**3.11. Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab:

- Year of establishment : 2005**

## 2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1			

## 3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	300	300	15	2100
Water				
Plant				
<b>Total</b>				

## 4.0 LINKAGES

### 4.1 Functional linkage with different organizations/department

Sl.No.	Name of organization	Nature of Linkage	Outcome of linkage
1.	State Deptt. of Agriculture	Training, Gosthi, Field day, KisanMela	
2.	State Deptt. of Horticulture	Training, Goshi, Field day	
3.	State Deptt. of Fruit Preservation	Training, Gosthi	
4.	State Deptt. of AH	Training, Vaccination & Animal health camp	
5.	UP Seeds Corporation	Training, Gosthi	
6.	ShreyasGramin Bank	Training, Gosthi	
7.	IFFCO, KRIBHCO	Gosthi	

### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

S. No.	Programme	Nature of linkage	Outcome of linkage
1			
2			

## 5. Utilization of Hostel facilities

S. No.	Programme	No. of days
1		
2		
	<b>Total</b>	

## 6. Partnership with departments for technology out scaling (proposed) :

Annexure - I

### Training Programme

#### i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
12-15-03.24	PF	Improved Variety & Balance Fertilizer in Moong	4	20	-	20	-	-	-	20
17-20.06.24	PF	Millets production Technology	4	20	-	20	5	-	5	25
14-17.08.24	PF	Weed control by natural farming in paddy	4	20	-	20	5	-	5	25
17-20.09.24	PF	Plant protection by natural farming in paddy	4	20	-	20	-	-	-	20
08-11.10.24	PF	Scientific cultivation of mustard	4	20	-	20	5	-	5	25
10-13.11.24	PF	Natural farming of Wheat	4	20	-	20	5	-	5	25
Horticulture										
05-06.01.2024	PF	INM in Garlic & Onion	2	15	10	25	5	5	10	35
8-9.02.2024	PF	INMin Potato	2	25	-	25	5	-	5	30
12-12.03.24	PF	Scientific cultivation of baby corn	2	10	-	10	5	-	5	15
9-10.04.24	PF	Machan per kadduvargutasabjiyokikheti	2	25	-	25	5	-	5	30

11-12.06.24	PF	Layout plan for orchard	2	10	-	10	5	-	5	15
25-26.07.24	PF	Weed management in cucurbits	2	10	5	15	5	-	5	20
28-29.10.24	PF	INM in potato crop	2	10	-	10	5	5	10	20
17-18.12.24	PF	cultivation of cole (Cauliflower, cabbage and broccoli) crops	3	10	5	15	5	5	10	25
<b>Agril. Engg.</b>										
19-22.01.2024	PF	Maintenance of tractor battery	4	25	-	25	6	-	6	31
19-22.02.2024	PF	Solar irrigation pump maintenance, repairing and operation	4	25	-	25	6	-	6	31
11-14.03.2024	PF	Operation and maintenance of electric motor pumping set	4	20	-	20	5	-	5	25
01-04.05.2024	PF	Solar electric fencing installation and maintenance	4	30	-	30	10	-	10	40
03-06.06.2024	PF	Operation maintenance and repairing of tube wells	4	20	-	20	7	-	7	27
11-14.09.2024	PF	Solar dryer installation, maintenance and use	2	30	-	30	7	-	7	37
23-26.09.2024	PF	Maintenance of battery operated Knap sack sprayer	2	30	-	30	7	-	7	37
<b>Home Sc.</b>										
18-21.01.2024	FW	Care of Kitchen Garden	4	-	10	10	-	5	5	15
14.02.2024	FW	Value addition locally available vegetable	4	-	10	10	-	5	5	15
12.03.2024	FW	Women and Child care with use of course grain an awareness programme	4	-	10	10	-	5	5	15
16-17.04.2024	FW	Storage of Seed & Grain	2	-	10	10	-	5	5	15
06-09.05.2024	FW	Food processing & value addition	4	-	10	10	-	5	5	15
04-07.06.2024	FW	Design and development of high Nutrient efficient and low cost diet	4	-	10	10	-	5	5	15
11-14.07.2024	FW	Importance of Nutritional kitchen garden	4	-	10	10	-	5	5	15
13-16.11.2024	FW	Designing of calcium Rich diet for pregnant and lactating women	4	-	10	10	-	5	5	15
25-28.12.2024	FW	Benefits of Millets value addition	4	-	10	10	-	5	5	15
<b>Soil health</b>										
05.01.2024	PF	Production and use of organic inputs	1	10	-	10	5	-	5	15
19.02.2024	PF	Integrated Nutrient Management	1	10	-	10	5	-	5	15
23.08.2024	PF	Soil Fertility Management	1	10	-	10	5	-	5	15
20.12.2024	PF	Micro nutrient deficiency in crop.	1	10	-	10	5	-	5	15

#### i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G.
				M	F	T	M	F	T	Total
Crop Production										
09.01.24	PF	Weed control by natural farming in wheat	1	20	-	20	5	-	5	25
02.04.24	PF	Scientific cultivation og Green Gram	1	20	-	20	5	-	5	25
14.05.24	PF	Plant protection in pulse	1	20	-	20	5	-	5	25
20.07.24	PF	Plant protection in paddy	1	20	-	20	5	-	5	25
15.09.24	PF	Plant protection by natural farming in maize	1	20	-	20	5	-	5	25
12.10.24	PF	Use of sulphur in mustard	1	10	-	10	-	-	-	10
10.12.24	PF	Weed management in wheat	1	20	-	20	5	-	5	25
Horticulture										
08.01.24	PF	INM in Cole (Cauliflower, cabbage & broccoli) crops	1	15	5	20	3	2	5	25
11.01.24	PF	Scientific transplanting method of onion	1	15	5	20	-	-	-	20



		seedlings								
20.02.24	PF	IPM in Mango Orchard	1	15	-	15	-	-	-	15
23.02.24	PF	Plant protection in Potato (Blight)	1	10	5	15	5	-	5	20
27.02.24	PF	IPM in Garlic and Onion crops	1	15	5	20	5	-	5	25
22.03.24	PF	Post-harvest management in Potato	1	10	5	15	5	-	5	20
08.04.24	PF	3G Cutting in cucurbits	1	10	-	10	-	-	-	10
09.05.24	PF	Plant production in cucurbits	1	10	5	15	5	-	5	20
27.06.24	PF	Preparation of pits for transplanting of fruits plant	1	5	-	5	5	-	5	10
25.09.24	PF	INM in Garlic	1	10	-	10	5	-	5	15
16.10.24	PF	Scientific cultivation in Cole crops	1	10	-	10	5	-	5	15
12.11.24	PF	Cultivation of baby corn	1	15	-	15	5	-	5	20
20.11.24	PF	Weed management in Potato	1	15	5	20	5	-	5	25
<b>Agril. Engg.</b>										
06-10.01.2024	PF	Maintenance of tractor battery	4	25	-	25	6	-	6	31
10-14.02.2024	PF	Solar irrigation pump maintenance, repairing and operation	4	25	-	25	6	-	6	31
04-07.03.2024	PF	Operation and maintenance of electric motor pumping set	4	20	-	20	5	-	5	25
15-18.04.2024	PF	Solar electric fencing installation and maintenance	4	30	-	30	10	-	10	40
5-8.08.2024	PF	Operation maintenance and repairing of tube wells	4	20	-	20	7	-	7	27
11-14.09.2024	PF	Solar dryer installation, maintenance and operation	4	30	-	30	7	-	7	37
25-28.09.2024	PF	Maintenance of battery operated Knap sack sprayer	4	30	-	30	7	-	7	37
<b>Home Sc.</b>										
08.01.24	PF	INM in Cole (Cauliflower, cabbage & broccoli) crops	1	15	5	20	3	2	5	25
11.01.24	PF	Scientific transplanting method of onion seedlings	1	15	5	20	-	-	-	20
20.02.24	PF	IPM in Mango Orchard	1	15	-	15	-	-	-	15
23.02.24	PF	Plant protection in Potato (Blight)	1	10	5	15	5	-	5	20
27.02.24	PF	IPM in Garlic and Onion crops	1	15	5	20	5	-	5	25
22.03.24	PF	Post-harvest management in Potato	1	10	5	15	5	-	5	20
08.04.24	PF	3G Cutting in cucurbits	1	10	-	10	-	-	-	10
09.05.24	PF	Plant production in cucurbits	1	10	5	15	5	-	5	20
27.06.24	PF	Preparation of pits for transplanting of fruits plant	1	5	-	5	5	-	5	10
25.09.24	PF	INM in Garlic	1	10	-	10	5	-	5	15
16.10.24	PF	Scientific cultivation in Cole crops	1	10	-	10	5	-	5	15
12.11.24	PF	Cultivation of baby corn	1	15	-	15	5	-	5	20
20.11.24	PF	Weed management in Potato	1	15	5	20	5	-	5	25
<b>Plant Protection</b>										
<b>Fisheries</b>										
<b>Soil health</b>										
10.01.24, 25.01.24	PF	Soil Fertility Management	2	20	-	20	10	-	10	30
07.02.24, 21.03.24	PF	Production and use of organic inputs	2	20	-	20	10	-	10	30
12.06.24	PF	Micro nutrient deficiency in crop	1	10	-	10	5	-	5	15
10.04.24, 15.05.24, 17.07.24, 11.09.24, 23.10.24	PF	Soil and water testing	5	50	-	50	25	-	25	75

**ii) Vocational training programmes for Rural Youth**

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Crop production	Income generating	Wheat seed production	Nov.	4	15	5	20	5	-	5	25
Agri. Engg.	Self employment	Solar plant installation, repairing & maintenance	17 to 27 June 2024	10	30	-	30	8	-	8	38
Home Science	Women Empowerment	Value added product from millets	Nov.	4	-	20	20	-	5	5	25
Horticulture	Self employment	Vegetable & Fruits Nursery Management for Rural Youth	March	5	10	-	10	-	-	-	10

**iii) Training programme for extension functionaries**

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										
Crop production	EF	Integrated Pest Management	2	20	-	20	-	-	-	20
Agri. Engg.	EF	Calibration of zero tillage seed drill for wheat sowing in paddy field	2	30	-	30	8	-	8	38
Agri. Engg.	EF	Repair and maintenance of sprayer	2	25	-	25	7	-	7	32
Home Science	EF	Preparation of Nutritious food from locally available grain	2	-	20	20	-	10	10	30
Horticulture	EF	Natural farming of vegetables	2	10	-	10	-	-	-	10
Soil Science	EF	Production and use of organic inputs- Nadap Compost & Vermi Compost.	1	10	-	1	5	-	5	15

==XXX==

# ACTION PLAN OF KVK AGRA

(1<sup>st</sup> January 2024 to 31<sup>st</sup> December 2024)

## 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
KVK Bichpuri, Raja Balwant Singh College, Agra	Office	FAX	kvkagra2002@gmail.com	agra.kvk4.in
	9412373128	8433032225		

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

Address	Telephone		E mail	Website
R.B.S. College, Agra	Office	FAX	rbscagra_2007@rediffmail.com	rbsccollegeagra.edu.in
	-	-		

### 1.2.b. Status of KVK website: Yes/No; Yes

Date when the website last updated: Regularly updated.

### 1.2.c. No. of Visitors (Hits) to your KVK website (as on today) :

### 1.2.d Status of ICT lab at your KVK:









- a) No. of PC units : 8
- b) No. of Printers : 6
- c) Internet connection : Yes





### 1.3. Name of the Programme Coordinator with phone & mobile no.

Name	Telephone / Contact		
Dr Rajendra Singh Chauhan	Office	Mobile	Email
	9412373128	8433032225	kvkagra2002@gmail.com

### 1.4. Year of sanction: 2002

### 1.5. Staff Position (as on 30<sup>th</sup> September, 2023)

S. No	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale as per 7 <sup>th</sup> CPC (Rs.)	Date of joining	Permanent/ Temporary	Category (SC/ST/OBC/Other)	Age	Email Id with Mobile Number	Email Id with Mobile Number	Photo
1.	Sr. Scientist cum Head	Dr. Rajendra Singh Chauhan	Sr. Scientist cum Head	Plant Pathology	143600	01.02.20	Permanent	Other	56	9412373128	<a href="mailto:chauhanraj5985@gmail.com">chauhanraj5985@gmail.com</a>	
2.	Subject Matter Specialist	Dr. Sandeep Singh	SMS	Soil Science	130600	21.07.03	Permanent	OBC	50	<a href="mailto:9675431005">9675431005</a>	<a href="mailto:chaudhrys1973@gmail.com">chaudhrys1973@gmail.com</a>	
3.	Subject Matter Specialist	Sh Dharvendra Singh	SMS	AH & D	61300	01.02.20	Permanent	Other	32	9719959212	<a href="mailto:dhavendrasingh151@gmail.com">dhavendrasingh151@gmail.com</a>	
4.	Subject Matter Specialist	Km. Deepti Singh	SMS	Home Science	57800	22.02.21	Permanent	Other	27	9005190410	<a href="mailto:deeptisingh.kanpur@gmail.com">deeptisingh.kanpur@gmail.com</a>	
5.	Subject Matter Specialist	Sh Shivam Pratap	SMS	Ag. Extension	57800	22.02.21	Permanent	Other	26	8445379279	<a href="mailto:shivamthakur01731@gmail.com">shivamthakur01731@gmail.com</a>	
6.	Subject Matter Specialist	Sh Anupam Dubey	SMS	Horticulture	57800	22.02.21	Permanent	Other	26	7037671669	<a href="mailto:dubeyanupam45@gmail.com">dubeyanupam45@gmail.com</a>	
7.	Subject Matter Specialist	Vacant	SMS	Agronomy	-	-	-	-	-	08.06.2021	08.06.2021	-
8.	Programme Assistant	Sri Ajit Kumar Singh	Computer	-	76200	24.06.04	Permanent	Other	48	9411205795	<a href="mailto:ajitkumarsingh276@gmail.com">ajitkumarsingh276@gmail.com</a>	
9.	Farm Manager	Dr. Kaptan Singh Narwar	Farm Man.	-	71800	05.05.05	Permanent	OBC	55	9411961817		

10.	Programme Assistant	Sh Pawan Kumar	Lab/ Tech.		35400	22.02.21	Permanent	SC	32	9012469676	<a href="mailto:pawanmodipura@gmail.com">pawanmodipura@gmail.com</a>	
11.	Assistant	Shri. Dugendra Pratap Singh	Assistant	-	46200	25.06.16	Permanent	Other	30	8938964961	<a href="mailto:dj.thakur1988@gmail.com">dj.thakur1988@gmail.com</a>	
12.	Steno	Sri. Sandeep Agrawal	Steno	-	56900	01.12.02	Permanent	Other	41	9411205019	<a href="mailto:sandeepkvk2003@gmail.com">sandeepkvk2003@gmail.com</a>	
13.	Jeep Driver	Sh Ravi Solanki	Driver Tractor	-	23800	01.02.20	Permanent	OBC	27	9808047084	-	
14.	Tractor Driver cum Mechanic	Sh Jaipal Singh	Driver Jeep		23800	01.02.20	Permanent	OBC	28	9149288066	-	
15.	Supporting Staff	Sri. Chetram	S. staff	-	46800	14.06.94	Permanent	Other	57	8954174517	-	
16.	Supporting Staff	Sri Sanju Kumar	S. staff	-	41600	13.02.96	Permanent	Other	51	9639534542	-	

#### 1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	0.140
2.	Under Demonstration Units	0.600
3.	Under Crops	9.120
4.	Horticulture	6.490
5.	Pond	0.500
6.	Others if any	3.650

#### 1.7. Infrastructural Development:

##### A) Buildings:

S. No.	Name of building	Source of funding		Stage					
		ICAR	RKVY	Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR		July 2005	600	26,12,107.00	-	-	-
2.	Farmers Hostel	-	RKVY	Sanctioned	-	1,77,48,000.00	2022	320	Under Process
3.	Staff Quarters (6)	ICAR		Sept. 2007	400	23,92,906.00	-	-	-
4.	Demonstration Units (2)	ICAR		Sept. 2007	One	7,32,482.00	-	-	-
5.	Seed Processing building	RBS College, Agra		Sept. 2007	244	8,64,998.00	-	-	-
6.	Fencing	ICAR		Sept. 2007		8,31,847.00	-	-	-
7.	Rain Water harvesting system								
8.	Threshing floor	ICAR		Dec. 2006	-	100000.00	-	-	-
9.	Farm godown	ICAR			150	-	-	-	-
10.	Open Stage 15X26 feet for Gosthis	ICAR		Sept. 2019	390sqf	20,000.00	-	-	-

##### B) Vehicles

Type of vehicle	Year of purchase	Source (ICAR/RKVY)	Cost (Rs.)	Total kms. run as on March, 2023	Present status
Bolero jeep	2016	ICAR	8,98,000.00	134283	New Good
Tractor	2006	ICAR	4,99,966.61	4544 hours	2006 model bad condition
Motor cycle	2012	ICAR	60000.00	9040	Good

**C) Equipments & AV aids**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
LCD	2007	90,000.00	Good
Photo State Machine	2007	54075.00	Replacement / Need Heavy repairing
Video camera	2012	25,000.00	Good
Camera	2012	10,000.00	Good
PA System	2012	50,000.00	Good
Soil Testing Kit	2017	170000.00	Good
Multure	2018	156000.00	Transferred to KVK Varanasi as per ICAR-ATARI, Kanpur
Happy Seeder	2018	151000.00	
Paddy Straw Chopper	2018	52520.00	
Zero seed cum Fer. Drill [3]	2018	99000.00	
Rev. MB Plough	2018	117600.00	
Rotavator [2]	2019	193000.00	

**1.8. A). Details of SAC meetings to be conducted in the year**

Sl. No.	Date
1. Scientific Advisory Committee	As per Year Planner 2023-24

**2. DETAILS OF MICRO-FARMING SITUATIONS OF THE DISTRICT**
**2.1 Micro-farming situations**
**a) Characteristics**

S. No.	Agro-Ecological situations (AES)	Existing Farming System (Crop+ livestock+ others)	Major soil types
1.	AES-1 (Alluvial Plains)	Agriculture+ Horticulture+ Animal Husbandry + Fisheries	Sandy loam, loam, clayey loam
2.	AES-2 (Ravines)	Agriculture+ Horticulture+ Animal Husbandry + Fisheries	Sandy loam, clayey loam
3.	AES-3 (Structural Hills)	Agriculture+ Horticulture+ Animal Husbandry	Loam and Rocky of various colors
4.	AES-4 (Structural Valley)	Agriculture+ Horticulture+ Animal Husbandry + Fisheries	Loam and Rocky of various colors

**b) Land Characteristics**

S. No.	Agro-Ecological Situation (AES)	Topography	Drainage
1.	AES-1 (Alluvial Plains)	Blocks comprising this AES are Akola, Achnera, Fatehpur Sikari and Kheragarh. The soils of this AES are alkaline in reaction and low in organic carbon content.	Dendritic Type – Mainly constituted of Yamuna and its tributaries viz. Utangan or Gambhir and Khari. Chambal is another important perennial tributary of Yamuna.
2.	AES-2 (Ravines)	This AES comprised of Etmadpur, Khandauli, Barauli Ahir, Shamshabad, Bichpuri, Saiyan & Fatehabad Blocks. The soil of this AES is deficient in major and micronutrients, alkaline in reaction and low organic carbon content.	
3.	AES-3 (Structural Hills)	Is having sandy-to-sandy loam with soil erosion affected, average pH 8 with medium quality of irrigation water, canal tube wells irrigated. In some areas the underground water is salt affected. This AES comprised of Bah, Jetpurkala, Pinahat and Jagner Blocks of the district.	
4.	AES-4 (Structural Valley)	Is having sandy-to-sandy loam with soil erosion affected, average pH 8 with medium quality of irrigation water, canal tube wells irrigated. In some areas the underground water is salt affected. This AES comprised of Bah, Jetpurkala, Pinahat and Jagner Blocks of the district.	

**c) AES-wise major problems**

S. No.	Agro-Ecological Situation (AES)	Major problems	Rank
1.	AES-1 (Alluvial Plains)	Is having sandy loam soil of average Ph 8 with problem of irrigation water (saline and oily water).	I
2.	AES-2 (Ravines)	Is having sandy loam soil of average ph 8 with medium quality to saline and oily irrigation water, canal tube wells irrigated.	II
3.	AES-3 (Structural Hills)	Is having sandy-to-sandy loam with soil erosion affected, average pH 8 with medium quality of irrigation water, canal tube wells irrigated. In some areas the underground water is salt affected. This AES comprised of Bah, Jetpurkala, Pinahat and Jagner Blocks of the district.	III
4.	AES-4 (Structural Valley)	Is having sandy-to-sandy loam with soil erosion affected, average pH 8 with medium quality of irrigation water, canal tube wells irrigated. In some areas the underground water is salt affected. This AES comprised of Bah, Jetpurkala, Pinahat and Jagner Blocks of the district.	IV

## 2.2. Area, Production and Productivity of major crops cultivated in the district (2023)

S. No	Crop	Area (ha)	Production (MT)	Productivity (Qt/ha)	Yield gap (q/ha) with respect to demo	Yield gap (q/ha) with respect to potential yield
1	Paddy	5215	112590	42.25	-	8.32
2	Wheat	140427	5199640	37.03	13.53	10.50
3	Barley	7058	232750	32.98	5.20	17.57
4	Jwar	103	1010	9.74	-	-
5	Bajra	115736	2046640	16.68	10.41	8.85
6	Maize	129	2220	17.21	-	-
7	Urd	179	1140	6.37	-	-
8	Moong	255	1700	6.67	1.38	8.33
9	Lentil	581	10500	18.07	-	-
10	Chick pea	1281	23790	18.57	2.43	2.58
11	Pea	82	1840	22.46	-	-
12	Arhar	827	5750	6.95	1.52	13.05
13	Mustard	52639	916480	21.88	0.37	5.12
14	Til	1885	3730	1.98	0.67	6.02
15	Potato	66303	14851040	263.77	86.23	85.23
16	Cotton	370	990	2.67	-	-

Source: DAMU, KVK, Agra

## 2.3. Weather data (2023)

Year	Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2023	January	34.10	25.40	2.60	93	27
	February	0.00	35.30	6.10	60	15
	March	23.95	35.50	13.30	87	12
	April	0.00	43.00	15.60	79	7
	May	34.60	44.90	15.90	86	5
	June	162.10	42.90	17.80	90	11
	July	70.75	41.10	21.30	93	34
	August	157.08	40.80	23.30	90	39
	September	88.70	38.90	21.70	89	21
	October	1.80	39.00	16.80	78	15
	November	11.64	34.10	10.00	88	19
	December	0.50	27.70	7.80	85	19

## 2.4 Production and productivity of livestock, Poultry, Fisheries etc. in the district (2022)

Category	Population	Production	Productivity	Productivity gap
<b>Cattle</b>	282788	-	-	-
Crossbred	-	-	-	-
Indigenous	-	-	-	-
<b>Buffalo</b>	1066798	-	-	-
<b>Sheep</b>	18578	-	-	-
Crossbred	-	-	-	-
Indigenous	-	-	-	-
<b>Goats</b>	176937	-	-	-
<b>Pigs</b>	14029	-	-	-
Crossbred	-	-	-	-
Indigenous	-	-	-	-
<b>Poultry</b>	32255	-	-	-
Hens	-	-	-	-
Ducks	-	-	-	-
<b>Category</b>		<b>Production (q)</b>	<b>Productivity</b>	
<b>Fish</b>	359 ha	-	-	-

\*Statistical report



## 2.5 Details of Operational area / Villages

S. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.		Achenera/Bichpuri/Bah/Baroli Ahir	Sahaj, Goliama, Hasela, Madhepura, Jarar, Sakatpur, Gadhi Chandan, Noorpur, Pali Sadar	Bajra, Wheat, Mustard, Potato, Til, Paddy, Vegetables & dairy	Low yield of crops and Vegetables. Problem of weeds in Wheat, Mustard & Bajra. Attack of insect pest on Crops & vegetable. Non-availability of good Seeds Low milk yield from dairy animals Adulteration in fertilizers. Seed production of Wheat & Mustard. Nursery raising of Vegetables. Anoestrous in Buffaloes. Mortality in Buffalo calves and goats Non-availability of good Seeds Low milk yield from dairy animals Adulteration in fertilizers. Seed production of Wheat & Mustard Nursery raising of Vegetables. Anoestrous in Buffaloes. Mortality in Buffalo calves and goats. Unemployment.	Use balanced dose of Fertilizers in crops & vegetables on the basis of soil testing. Control of weeds in wheat, Mustard & Bajra. Plant protection in crops & vegetables. Supply of good seeds through seed village scheme. Feeding and management of dairy animals. Provide knowledge about adulteration in fertilizers. Provide knowledge About seed production and seed processing through KVK. Provide knowledge About developing good/ off season nursery of vegetables. Control of anoestrous in Buffaloes. Control of parasites in Buffalo calves and goats Supply of good seeds through seed village scheme. Feeding and management of dairy animals. Provide knowledge about adulteration in fertilizers. Provide knowledge about seed production and seed processing through KVK. Provide knowledge about developing good/ off-season nursery of vegetables. Control of anoestrous in Buffaloes. Control of parasites in Buffaloes calves and goats Employment through sewing, cultivation of flowers, preparation of vermi compost.

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S. No	Taluk	Name of the block	Name of the village	Major crops	Major problem identified	Identified Thrust Areas
2.		Kheragarh/Fathepur Sikri	Kachhpura Gorau, Aurangpur, Bagha, Bagha Soniga, Sarsa	Bajra, Wheat, Mustard, Potato, Til & dairy	Low yield of crops and vegetables. Problem of weeds in Wheat, Mustard & Bajra. Attack of insect pest on crops & vegetables. Non-availability of good seeds. Low milk yield from dairy animals. Adulteration in fertilizers. Seed production of Wheat & Mustard. Nursery raising of vegetables. Anoestrous in Buffaloes. Mortality in Buffalo calves and goats.	Use balanced dose of fertilizers in crops & vegetables on the basis of soil testing. Control of weeds in Wheat, Mustard & Bajra. Plant protection in crops & vegetables. Supply of good seed through seed village scheme. Feeding and management of dairy animals. Provide knowledge about adulteration in fertilizers. Provide knowledge about seed production and seed processing through KVK. Provide knowledge about developing good/ off-season nursery of vegetables. Control of anoestrous in Buffaloes. Control of parasites in Buffalo, calves and goats

## 2.6 Top five major priority thrust areas:

- Enhancing productivity of horticultural crops through crop diversification and integrated nutrient and insect-pest management in vegetable, fruit and ornamental crops.
- Introduction and popularization of HYV of cereal crops, oilseeds, pulses and quality seed production.
- Scientific livestock management with appropriate feeding, breeding and health management practices.
- Improvement of soil health through organic input like green manuring, vermi-compost and bio-fertilizers etc.
- Empowerment of form women's and ruler use through value addition of vegetables, fruits and other Enterprises.
- Capacity building of farmer, farm women & rural youth through vocational training for taking up of income generation activities through SHG & FPO.

### 3. TECHNICAL PROGRAMME

#### 3 A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
13	100	18.20 ha + 50 ha CFLD =68.20ha + 100 Animals	360

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
100	2147	200	5000

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (Nos)	Soil Samples
(5)	(6)	(7)	(8)
200	20000	-	1000

#### 3 B. Abstract of interventions to be undertaken

Abstract of interventions to be undertaken				Interventions					
S. No.	Thrust area	Crop/ Enterprise	Identified Problem	Title of OFT if any	Title of FLD if any	Title Training any of if	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1									
2									
3									
4									
5									
6									
7									
8									

#### 3.1 Technologies to be assessed

##### A.1 Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables/ Spices	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	1	1	-	-	1	-	1	-		4
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management										
Integrated Disease Management									1	1
Resource conservation technology									1	1
Small Scale income generating enterprises									1	1
<b>TOTAL</b>										<b>7</b>

##### A.2 Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management	1							1
Disease of Management	1			1				2
Value Addition								
Production and Management		1						1
Feed and Fodder								
<b>TOTAL</b>								<b>4</b>

#### B. Details of On Farm Trial (at least 3-4 OFTs shall be composite in nature)



### Nutritional Management

#### OFT-1 Agronomy & Soil Science

1	Crop/Enterprise	<b>Wheat</b>	
2	Title	To evaluate the yield performance of Wheat by using balanced dose of fertilizers. (Soil testing based fertilizer).	
3	Methodology adopted for Problem identification	PRA/Survey	
4	Problem diagnosed/defined	Low yield of Wheat due to use of unbalanced dose of fertilizers.	
5	Details of technologies selected for assessment/ refinement	<b>Fertilizer management</b> T <sub>1</sub> : Use NPK@ 100:46:0 Kg/ha T <sub>2</sub> : Use of @120:60:60 +12.50 kg Zn (33%)+10 Kg Sulphur 90% WDG+ Bio-fertilizer	
6	Source of technology	ICAR-IIWBR, Karnal	
7	Number of replications/farmers	4	
8	Production system	Bajra – Wheat	
9	Thematic area	Nutritional Management	
10	Critical Input	(Urea -210 Kg, DAP-130 Kg, by farmer) MOP -100 Kg, Zinc-(33%)-12.5 Kg , S- 20 Kg+ Bio-fertilizer	
11	Performance of the Technology with performance indicators	<b>Technical</b>	Yield Q/ha Increase/decrease in yield over farmers practice
		<b>Economic</b>	Benefit Cost Ratio, Yield in Q/ha Net Profit /ha
12	Cost of each Intervention	<b>MOP</b>	Rs. 3500/-
		<b>Zinc</b>	Rs. 1500/-
		<b>Sulphur</b>	Rs. 1000/-
		<b>Bio-fertilizer</b>	Rs. 500/-
	<b>Total Cost of OFT</b>		<b>Rs. 6500/-</b>

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#### OFT-2 Agronomy & Soil Science

1	Crop/Enterprise	<b>Mustard</b>	
2	Title	To evaluate the yield performance of Mustard by using balanced dose of fertilizers. (Soil testing based fertilizer).	
3	Methodology adopted for Problem identification	PRA/Survey	
4	Problem diagnosed/defined	Low yield of Mustard due to use of unbalanced dose of fertilizers.	
5	Details of technologies selected for assessment/ refinement	<b>Fertilizer management</b> T <sub>1</sub> : Use NPK@ 64:46:0 Kg/ha T <sub>2</sub> : Use of @100:60:40+12.50 kg Zn (33%)+20 Kg Sulphur/ha 90% WDG+10 Kg Boron/ha	
6	Source of technology	ICAR-DRMR, Sear, Bharatpur	
7	Number of replications/farmers	4	
8	Production system	Bajra – Wheat	
9	Thematic area	Nutritional Management	
10	Critical Input	(166 Kg Urea , 130 Kg- DAP- by farmer), 67 Kg MOP, 12 Kg S (WDG)+ Zn (33%) 12.50 Kg, Borax- 10 Kg	
11	Performance of the Technology with performance indicators	<b>Technical</b>	Yield Q/ha Increase/decrease in yield over farmers practice
		<b>Economic</b>	Benefit Cost Ratio, Yield in Q/ha Net Profit /ha
12	Cost of each Intervention	<b>MOP</b>	Rs. 2200/-
		<b>Zinc</b>	Rs. 1500/-
		<b>Sulphur</b>	Rs. 1500/-
		<b>Boron</b>	Rs. 2000/-
	<b>Total Cost of OFT</b>		<b>Rs. 7200/-</b>

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### Disease & Nutritional Management

#### OFT-3 (Horticulture and Soil Science)

1	Crop/Enterprise	Potato
2	Major Problem/Title of on-farm trial	Degradation of Potato quality due to common scab disease.
3	Methodology adopted for Problem identification	PRA/Survey
4	Major cause/Problem diagnosed	Use of Kufri Bahar (3797) and survival of <i>Streptomyces scabies</i> in soil.
5	Farming situation	Fallow
6	Name of intervention	Change of variety and use of gypsum & Boron.
7	Production system and thematic Area	Disease & Micronutrient Management.
8	Details of technologies selected for assessment	<b>Area (a): Varietal</b> T <sub>1</sub> : Use of old variety T <sub>2</sub> : Use of Kufri Sangam/Kufri Ganga (By Farmer) <b>Area (b): Disease management</b> T <sub>1</sub> : Use of fungicide (Chemically) for seed treatment. T <sub>2</sub> : Use of Trichoderma for seed treatment @2% solution. <b>Area (c): Nutrient management</b> T <sub>1</sub> : No use of micronutrients T <sub>2</sub> : Use of B, Zn (33%) & Sulphur
8	Source of technology	ICAR-CPRI, Shimla
9	No. of farmers	4 (1 ha)
10	Critical input	Seed by farmers, B @ 12 Kg/ha, Zn (33%) @ 12.5 Kg/ha & Sulphur @ 12 Kg/ha (90% WDG) Trichoderma powder
11	Performance indicators	<b>Technical:</b> i) No of tuber/plant. ii) Size of tubers <b>Economic:</b> i) Yield per hectare. ii) B:C ratio Net profit/ha <b>Social:</b> i) Acceptability ii) Availability
12	Cost of intervention	<b>Boron</b> Rs.: 2160/- <b>Zn</b> Rs.: 1500/- <b>Sulphur</b> Rs.: 1500/- <b>Tricoderma:</b> Rs.: 500/-
	Total Cost of OFT	<b>Rs.: 5660/-</b>

### Insect & Pest Management

#### OFT-4 Horticulture

1	Crop / Enterprise	Cauliflower
2	Major Problem / Title of On- Farm Trail	Degradation of Cauliflower quality due to Diamond Back Moth (DBM).
3	Methodology adopted for problem identification	PRA/Survey
4	Major cause / Problem diagnosed	Poor to control of Diamond Back Moth (DMB) by he use of Fipronil 5% SC insecticide.
5	Farming situation	Fallow
6	Name of intervention	Use of Spinosad 45 % SC @ 0.5ml/litre
7	Production system and thematic Area	IPM
8	Details of technologies selected for assessment	T <sub>1</sub> : Fipronil 5% SC@1ml/liter solution T <sub>2</sub> : Use of Spinosad 45 % SC @ 0.5ml/litre
9	Source of technology	CSAUA&T, Kanpur
10	Number of farmers	04*1ha
11	Size of Plots	4 x 2500 m <sup>2</sup>
12	Critical input	Spinosad 45 % SC @ 0.5ml/litre – 250ml
13	Performance indicators	<b>Economic:</b> Fruit weight (gm), Size of Curd. <b>Technical:</b> Yield per hec. & B:C Ratio <b>Social:</b> Acceptability & Availability
14	Cost of each Intervention	Rs. 4290/-
	Total Cost of OFT	<b>4290/-</b>

**OFT-5 Horticulture**

1	Crop / Enterprise	Brinjal
2	Major Problem / Title of On- Farm Trail	Low yield in Brinjal due to shoot and fruit borer pests.
3	Methodology adopted for problem identification	PRA
4	Major cause / Problem diagnosed	Low yield due to local variety and shoot and fruit borer pests.
5	Farming situation	Mustard – Okra, Potato – Okra
6	Name of intervention	Change in Insecticide
7	Production system and thematic Area	Insect & Pest Management
8	Details of technologies selected for assessment	T <sub>1</sub> : Use of Carbosulfan 25 EC @ 2ml/Lts. T <sub>2</sub> : Use insecticide Emamectin Benzoate 5% SG@0.4ml/lit.
9	Source of technology	ICAR-IARI, New delhi & SHUATS, Prayagraj
10	Number of farmers	05
11	Size of Plots	0.50 ha (1000*5)
12	Critical input	Emamectin Benzoate 5% SG @200gm / ha
13	Observation	<b>Economic:</b> Number of fruits per plant., Size of fruits., Plant height. <b>Technical:</b> Yield per ha., Net profit & B:C ratio <b>Social:</b> Acceptability & Availability
14	Cost of each Intervention	Rs. 500/-
15	Total Cost of OFT	Rs. 500/-

**Nutrition Management****OFT-6 Animal Husbandry & Dairying**

C-10 Animal Husbandry & Dairying								
S. No.	Particulars	Contents						
1	Title	Assessment of efficacy of protein and micronutrients-based supplement on body weight of goats.						
2	Problem diagnosed	<b>Low body weight gain in goat</b>						
3	Probable cause	Nutritional imbalance, ration deficient in macro and micronutrients						
4	Goat farming situation	Stall fed (Rearing of goat under poor feeding management condition resulting in lower body weight gain of goat)						
5	Details of technology identified for solution	T <sub>1</sub> . F.P (Lack of protein and micro nutrient in ration) T <sub>2</sub> . <b>Recommended practice (Essential amino acids-based protein and micronutrient supplement @ ml/day/goat)</b>						
6	No. of farmers	10						
7	No. of Replications	10						
8	Trial period	90 days						
9	Critical inputs	Essential amino acid-based protein and micro nutrient @ 10 ml/day/goat						
10	Source of technology	<b>ICAR- CIRG, Makhdoom mathura</b>						
11	Total cost	<b>Rs. 4200.00</b>						
12	Observation to be Recorded	<table><tr><td>Technical observation</td><td>1- Average daily weight gain 2- FCR 3- TDMI</td></tr><tr><td>Economic observation</td><td>1- Benefit cost ratio</td></tr><tr><td>Social observation</td><td>1- Feasibility of Technology 2- Acceptability</td></tr></table>	Technical observation	1- Average daily weight gain 2- FCR 3- TDMI	Economic observation	1- Benefit cost ratio	Social observation	1- Feasibility of Technology 2- Acceptability
Technical observation	1- Average daily weight gain 2- FCR 3- TDMI							
Economic observation	1- Benefit cost ratio							
Social observation	1- Feasibility of Technology 2- Acceptability							

**Infertility & Nutritional Management****OFT- 7 Animal Husbandry & Dairying**

S. No.	Particulars	Contents
1	Title	Management of infertility in Buffaloes.
2	Problem diagnosed	Anestrus Repeat breeding.
3	Possible cause	Deficiency of micronutrients
4	Livestock Farming Situation	Stall fed
5	Details of technology identified for solution	T <sub>1</sub> : Farmer's Practice: Use of common salt T <sub>2</sub> : Subcutaneous administration of 1% solution of <b>Ivermectin @ 0.2mg/kg</b> , repeated after 3 weeks + <b>Area specific Mineral Mixture @50gram/day</b>
6	No. of farmers	10 Buffaloes
7	Replications	10 + 10
8	Source of technology	ANDUT, Ayodhya and IVRI, Bareilly
9	Total Cost	<b>Rs. 3000.00</b>
10	Observation to be recorded	<ol style="list-style-type: none"> <li>Service period</li> <li>Service per conception</li> <li>Non- return rate</li> <li>Conception rate</li> <li>Observable general Health</li> </ol>
12	Reaction of farmers	Final recommendation for micro level situation Constraints identified & feedback for research

**OFT-8 Animal Husbandry & Dairying**

S. No.	Enterprises	Cattle (Age group – 4 to 6 year)	
1	Title	Management of repeat breeding in dairy animals	
2	Major Problems	Higher incidences of repeat breeding	
3	Major cause	Nutritional deficiency and hormonal imbalance	
4	Name of intervention	T <sub>1</sub> - Farmers Practice (use of choker and common salt) T <sub>2</sub> - <b>Deworming + Use of Feed supplement (mineral mixture) @ 50 gm/day/animal for 3 months + hormonal Treatment if needed</b>	
5	No. of farmers	10	
6	No. of Replications	10	
7	Thematic area	<b>Reproduction and breeding management</b>	
8	Cost Input	Rs- 10000.00	
9	Source of technology	<b>ICAR- IVRI, Izatnagar</b>	
10	Critical Input	Mineral Mixture, deworming & hormonal treatment as per need	
11	Performance indicator	Technical	1- Non return rate 2- Calving to conception interval 3- Conception Rate
		Economic	2- Benefit cost ratio
		Social	Adoptability

**Employment generation**
**OFT -9 Animal Husbandry & Dairying**

1	Enterprise	<b>Back Yard Poultry Farming.</b>	
2	Title	Assessment & Promotion of Higher Genetic germ plasm for Production Potential of Poultry Birds.	
3	Problem diagnosed	Low yield performance of Poultry.	
4	Farming situation	Poultry Enterprises.	
5	Technology assessed	Performance of developed Strain of Poultry.	
6	Production system and thematic Area	Back Yard Poultry Farming-Poultry Management.	
7	Details of technologies selected for assessment	T <sub>1</sub> : Farmers Practice-Un-recognized non-descript locally available Strain. T <sub>2</sub> : Performance of developed Strain of Poultry.	
8	Source of technology	ICAR- Central Avian Research Institute.	
9	No. of farmers	10	
10	Critical input	Poultry Bird	
11	Performance indicators	Technical:	a. Maturity b. Eggs Production. c. Body Weight (Six Month Age)
		Economic:	a. Total input cost b. Total output cost. c. B:C ratio.
		Social:	a. Acceptability b. Availability

**Nutritional Security**
**OFT- 10 Home Science**

1	Thematic Area	<b>Nutritional Security</b>	
2	Problem diagnosed	Low Nutritional status and Malnutrition of Farm women.	
3	Methodology adopted for Problem identification	PRA/Survey	
4	Title of OFT	Assessment of the effective supplementation of mix Wheat flour for improvement of nutritional status of Farm Women.	
5	Details of technologies selected for assessment/ refinement	T <sub>1</sub> : Farmer Practice: Wheat flour only (Protein 12.2gm/100gm, Iron 4.9 mg/100 gm) T <sub>2</sub> : Recommended practice: Wheat flour (75%)+ Gram Flour (20%) + Sorghum Flour (5%) for 90 days ((Protein 17.04gm/100gm, Iron -10.87 mg/100 gm)	
6	Source of Technology	NIN, Hyderabad	
7	No of beneficiaries	10	
8	Critical Input	Gram Flour(80 gm/day) + Sorghum Flour (20 gram/day)	
9	Expenditure	Rs. 1000/ trial	
10	Performance of the Technology with performance indicators	Technical:	Energy Adequacy (Height, Weight, BMI) Perceived rate of exertion (Brog's 10 point scale) Haemoglobin level
		Social:	Availability & Adoption of technology
11	Cost of intervention	<b>Gram flour &amp; Sorghum flour</b>	Rs.: 5000/-
12	Total cost of inputs (Cost)		<b>Rs.: 5000/-</b>

**OFT-11 Home Science**

1	<b>Crop/Enterprise</b>	<b>Food Security</b>
2	<b>Title of on-farm trial</b>	Improvement of health status of 15 to 18 years girls through Value added products of Jaggery.
3	<b>Methodology adopted for Problem identification</b>	PRA/Survey
4	<b>Problem diagnosed</b>	Low nutritional status of 15 to 18 year's girls.
5	<b>Details of technologies selected for assessment/ refinement</b>	T <sub>1</sub> : Normal Practice (only intake of Jaggery) T <sub>2</sub> : Value added products of Jaggery with locally available food stuffs (Til, Bajra etc.)
6	<b>Source of technology</b>	NIN, Hyderabad
7	<b>No of beneficiaries</b>	10
8	<b>Critical Input</b>	Jaggery per girl for 3kg per month for 3 months
9	<b>Performance of the Technology with performance indicators</b>	<b>Technical:</b> Energy Adequacy (Height, Weight, BMI) Perceived rate of exertion (Brog's 10 point scale) Haemoglobin level
10		<b>Social:</b> i) Availability & Adoption of technology
11		<b>Jaggery:</b> Rs.: 5000/-
12	<b>Total cost of inputs (Cost)</b>	<b>Rs.: 5000/-</b>

**OFT-12 Ag Extension**

1	<b>Crop/Enterprise</b>	<b>Marketing Led Extension</b>
2	<b>Title of on-farm trial</b>	Assessment of Market led Extension through branding & packaging of Wheat.
3	<b>Problem diagnosed</b>	Lack of knowledge about Market Led Extension. Lack of knowledge about branding & Packaging.
4	<b>Details of technologies selected for assessment/ refinement</b>	Market Led Extension
6	<b>Source of technology</b>	APEDA
7	<b>No of beneficiaries/replications</b>	10
8	<b>Critical Input</b>	Printed Literature/Manual, Packing bags
9	<b>Performance of the Technology with performance indicators</b>	Knowledge before & after. Extend of problem solving. Constraints by farmers during Agro-Advisory services.
10	<b>Cost of intervention</b>	Rs.: 6000/-
11	<b>Total cost of inputs (Cost)</b>	<b>Rs.: 6000/-</b>

**OFT-13 Ag Extension**

1	<b>Crop/Enterprise</b>	<b>ICT</b>
2	<b>Title of on-farm trial</b>	Assessment of the effectiveness of different source of agro Advisory services provided to the farmers of the Agra District.
3	<b>Methodology adopted for Problem identification</b>	PRA/Survey
4	<b>Problem diagnosed</b>	Different source of Agro Advisory service are not giving better impact for solving the problems.
5		
6	<b>Details of technologies selected for assessment/ refinement</b>	T <sub>1</sub> : Farmers generally get advice through neighbouring farmers. T <sub>2</sub> : Farmers receiving Agro-Advisory through GKMS
7	<b>Source of technology</b>	IMD, Pune
8	<b>No of beneficiaries/replications</b>	100
9	<b>Critical Input</b>	Printed Literature/Manual
10	<b>Performance of the Technology with performance indicators</b>	Knowledge before & after., Extend of problem solving. Constraints by farmers during Agro-Advisory services.
11	<b>Cost of intervention</b>	Rs.: 2500/-
12	<b>Total cost of inputs (Cost)</b>	<b>Rs.: 2500/-</b>

**3.2 Frontline Demonstrations**  
**A. Details of FLDs to be organized:**

S. No.	Crop	Thematic area	Tech for Demonstration	Critical inputs/ha (Cost for total FLD)	Season & year	Area (ha)	No. of farmers/ Name	Parameters identified (Yield related attributes, yield economics and farmers' perception)
1.	Bajra	Varietal	Varietal	Seed Variety PUSA 605/PUSA 415/PUSA Composite 701, PUSA 23 5 Kg/ha Rs. 4000.00 <b>Total-Rs-4000.00</b>	Kharif 2024	4.00	16	No. of plant/m <sup>2</sup> No. of tillers /Plant Grain yield-Q/ha B C ratio
2.	Barley	Varietal	DWRB 137, DWRB 160	Seed-200 Kg Rs 8500.00 <b>Total-Rs- 8500.00</b>	Rabi 2024-2025	2.00	8	No. of ears/plant Grain yield-Q/ha B C ratio
3.	Wheat	Varietal Timely sown	Varietal- DBW 187	Seed-600Kg. Rs. 27000.00 <b>Total- Rs- 27000.00</b>	Rabi 2024-2025	5.00	20	No. of plant/m <sup>2</sup> No. of tillers /plant Grain yield-Q/ha B C ratio
4.	Wheat	INM	Balance Fertilizer	Urea - 140 Kg + SSP by farmer Rs. 10500.00 MOP-268 Kg Rs. 4000.00 Zinc (33%)-50 Kg Rs. 4050.00 Sulphur- 48 Kg Rs. 4050.00 <b>Total- Rs-18550.00</b>	Rabi 2024-2025	4.00	16	No. of plants/m <sup>2</sup> No. of tillers/plant Grain yield-Q/ha Benefit cost ratio
5.	Chilli	Varietal	Variety- Pusa Sadabhar	Seed- 1.5 Kg Rs. 2500/ <b>Total- 2500/-</b>	Kharif 2024	1.00	4	Yield Q/ha.Benefit cost ratio.
6.	Potato	Varietal	Variety- Kufri Surya	Seed- 6 Q Rs- 3250/Q <b>Total-19500/-</b>	Rabi 2024-25	0.20	6	Yield Q/ha.Benefit cost ratio
7.	Demonstration of social media for dissemination of Wheat production technology in farming community	ICT	Use of social media	Latest Agricultural Technology provided through social media.	2024	-	30	1. Need & time based information 2. Applicability of the Social media 3. Impact of Technology
8.	Farmers work efficiency through FPO	ICT	"Group Dynamics"	Group approach (selected villages)	2024	-	One FPO/ 100	No. of technology adopted, work efficiency, saving time Net increase in annual income
				<b>Total</b>		<b>16.20</b>	<b>200</b>	

**Sponsored Demonstration: As per demand**

Crop	Area (ha)	No. of farmers

**B. Extension and Training activities under FLDs**

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	8	Jan, March, April, Sept., Oct.	750
2	Farmers Training	10	Jan, March, April, Sept., Oct.	250
3	Media coverage	20	Jan, March, April, Sept., Oct.	-
4	Training for extension functionaries	6	Jan, March, April, Sept., Oct.	300

**C. Details of FLD on Enterprises**

**(i) Nutritional Security: Nutri- Kitchen Garden**

Thematic Area	Food and Nutritional Security
Problem diagnosed	Malnutrition due to lack of vegetables in daily routine diet
Title	Round year production / availability of seasonal vegetables through nutritional garden for food and nutritional security.
Farmers Practice	Irregular cultivation and improper management
Technology to be demonstrated	Round year production (Rabi, Kharif & Zaid) / availability of seasonal vegetables (Green leafy, Fruits, Beans, Root & Tubers) through proper layout, provide good quality seed and planting materials
Critical Input	Vegetables Seed and Seedlings
Expenditure	Rs. 200X30 per demonstration Total Cost: 6000/-
Parameter observation	<b>Technical :</b> i) Availability of vegetables gram/ day ii) Requirements fulfilled (%) <b>Economic:</b> i) Cost of cultivation ii) B:C Ratio <b>Social :</b> i) Feedback of the farmers
Cost of Demonstration	<b>Total Cost: 6000/-</b>

## (ii) Farm Implements:

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
-	-	-	-	-	-	-

## (ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of Calves/Goats/ Cow/ Buffalo/ Area	Critical inputs	Performance parameters / indicators
<b>Deworming of Buffalo Calves</b>	Murrah/ Non decriptive Buffalo/ Cow/Goat	100	100	Wormicide: Rs.5000.00 <b>Total-Rs. 5000.00</b>	1. Mortality percentage 2. Body weight of calves after 9 months
<b>Oat</b>	Feed And Fodder Technology	10	One ha	Variety : Kent / As Per availability Seed Req 100 kg <b>Total Cost: Rs. 6000/-</b>	1. Production of green fodder 2. Yield / ha 3. No. of Cutting
<b>Berseem</b>	Feed And Fodder Technology	10	One ha	Variety : (Bundel Berseem-3, JB-5, HFB-600,BL-180) Seed: Req 25 kg <b>Total Cost: Rs.12500.00</b>	1. Production of green fodder 2. Yield / ha 3. No. of Cutting
<b>Napier Grass</b>	Hybrid	10	100 Root slips /Farmer	Napier Root ( <b>From KVK</b> )	1. Production of green fodder (Yield q/ha).

## 3.3 Training (Including the sponsored and FLD training programmes):

## 3.3 TRAINING (INCLUDING THE SPONSORED AND FLD TRAINING PROGRAMMES):

## A) ON Campus

Thematic area (May be specific to any given KVK)	ON CAMPUS									
	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	0	0	0	0	0	0	0	0	0	0
Resource Conservation Technologies	1	25		25	5		5	30	0	30
Cropping Systems	0	0		0	0		0	0	0	0
Crop Diversification	1	20		20	5		5	25	0	25
Integrated Farming				0			0	0	0	0
Micro Irrigation/irrigation				0			0	0	0	0
Seed production	0	0		0	0		0	0	0	0
Nursery management	0	0		0	0		0	0	0	0
Integrated Crop Management	1	25		25	5		5	30	0	30
Soil & water conservatioin	0	0		0	0		0	0	0	0
Integrated nutrient management	0	0		0	0		0	0	0	0
Production of organic inputs		0		0			0	0	0	0
Others	1	25	0	25	10	0	10	35	0	35
Total	4	95	0	95	25	0	25	120	0	120
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops	0	0	0	0	0	0	0	0	0	0
Off-season vegetables				0			0	0	0	0
Nursery raising	1	30		30	5		5	35	0	35
Exotic vegetables	0	0		0	0		0	0	0	0
Export potential vegetables				0			0	0	0	0
Grading and standardization				0			0	0	0	0
Protective cultivation				0			0	0	0	0
Others				0			0	0	0	0
Total (a)	1	30	0	30	5	0	5	35	0	35
b) Fruits										
Training and Pruning				0			0	0	0	0
Layout and Management of Orchards	1	30		30	5		5	35	0	35
Cultivation of Fruit				0			0	0	0	0
Management of young plants/orchards				0			0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0		0	0	0	0



Export potential fruits				0			0	0	0	0
Micro irrigation systems of orchards				0			0	0	0	0
Plant propagation techniques				0			0	0	0	0
Others				0			0	0	0	0
<b>Total (b)</b>	<b>1</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>35</b>	<b>0</b>	<b>35</b>
<b>c) Ornamental Plants</b>										
Nursery Management	1	30		30	5		5	35	0	35
Management of potted plants				0			0	0	0	0
Export potential of ornamental plants				0			0	0	0	0
Propagation techniques of Ornamental Plants				0			0	0	0	0
Others				0			0	0	0	0
<b>Total ( c)</b>	<b>1</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>35</b>	<b>0</b>	<b>35</b>
<b>d) Plantation crops</b>										
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others				0			0	0	0	0
<b>Total (d)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>e) Tuber crops</b>										
Production and Management technology	1	30		30	5		5	35	0	35
Processing and value addition				0			0	0	0	0
Others				0			0	0	0	0
<b>Total (e)</b>	<b>1</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>35</b>	<b>0</b>	<b>35</b>
<b>f) Spices</b>										
Production and Management technology	1	30		30	5		5	35	0	35
Processing and value addition				0			0	0	0	0
Others				0			0	0	0	0
<b>Total (f)</b>	<b>1</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>35</b>	<b>0</b>	<b>35</b>
<b>g) Medicinal and Aromatic Plants</b>										
Nursery management	0	0		0			0	0	0	0
Production and management technology				0			0	0	0	0
Post harvest technology and value addition				0			0	0	0	0
Others				0			0	0	0	0
<b>Total (g)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GT (a-g)</b>	<b>5</b>	<b>150</b>	<b>0</b>	<b>150</b>	<b>25</b>	<b>0</b>	<b>25</b>	<b>175</b>	<b>0</b>	<b>175</b>
<b>III Soil Health and Fertility Mangmt.</b>										
Soil fertility management	1	25		25	5		5	30	0	30
Integrated water management	0	0		0	0		0	0	0	0
Integrated Nutrient Management	0	0	0	0	0		0	0	0	0
Production and use of organic inputs	0	0	0	0	0		0	0	0	0
Management of Problematic soils				0	0		0	0	0	0
Micro nutrient deficiency in crops	0	0		0	0		0	0	0	0
Nutrient Use Efficiency				0			0	0	0	0
Balance use of fertilizers	0	0		0	0		0	0	0	0
Soil and Water Testing	1	25		25	10		10	35	0	35
Others	2	50		50	15		15	65	0	65
<b>Total</b>	<b>4</b>	<b>100</b>	<b>0</b>	<b>100</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>130</b>	<b>0</b>	<b>130</b>
<b>IV Livestock Production and Mangmt.</b>										
Dairy Management	0	0		0	0		0	0	0	0
Poultry Management	1	30		30	5		5	35	0	35
Piggery Management	0	0		0	0		0	0	0	0
Rabbit Management				0			0	0	0	0
Animal Nutrition Management				0			0	0	0	0
Disease Management	0	0		0	0		0	0	0	0
Feed & fodder technology	2	55		55	10		10	65	0	65
Production of quality animal products				0			0	0	0	0
Others	2	50		50	15		15	65	0	65
<b>Total</b>	<b>5</b>	<b>135</b>	<b>0</b>	<b>135</b>	<b>30</b>	<b>0</b>	<b>30</b>	<b>165</b>	<b>0</b>	<b>165</b>
<b>V Home Science/Women empowerment</b>										
Household food security by kitchen gardening and nutrition gardening	2	0	30	30		9	9	0	39	39
Design and development of low/minimum cost diet	1		15	15		5	5	0	20	20
Designing and development for high nutrient efficiency diet				0			0	0	0	0
Minimization of nutrient loss in processing				0			0	0	0	0
Processing and cooking	1		15	15		5	5	0	20	20
Gender mainstreaming through SHGs				0			0	0	0	0



Storage loss minimization techniques				0			0	0	0	0
Value addition	2	0	35	35	0	10	10	0	45	45
Women empowerment				0			0	0	0	0
Location specific drudgery reduction technologies				0			0	0	0	0
Rural Crafts	0		0	0		0	0	0	0	0
Women and child care	0		0	0		0	0	0	0	0
Others	1		15	15		0	0	0	15	15
<b>Total</b>	<b>7</b>	<b>0</b>	<b>110</b>	<b>110</b>	<b>0</b>	<b>29</b>	<b>29</b>	<b>0</b>	<b>139</b>	<b>139</b>
<b>VI Agril. Engineering</b>										
Farm Machinery and its maintenance				0			0	0	0	0
Installation and maintenance of micro irrigation systems				0			0	0	0	0
Use of Plastics in farming practices				0			0	0	0	0
Production of small tools and implements				0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0	0	0	0
Small scale processing and value addition				0			0	0	0	0
Post Harvest Technology				0			0	0	0	0
Others				0			0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>VII Plant Protection</b>										
Integrated Pest Management				0			0	0	0	0
Integrated Disease Management				0			0	0	0	0
Bio-control of pests and diseases				0			0	0	0	0
Production of bio control agents and bio pesticides				0			0	0	0	0
Others				0			0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>VIII Fisheries</b>										
Integrated fish farming				0			0	0	0	0
Carp breeding and hatchery management	0			0			0	0	0	0
Carp fry and fingerling rearing	0			0			0	0	0	0
Composite fish culture				0			0	0	0	0
Hatchery management and culture of freshwater prawn				0			0	0	0	0
Breeding and culture of ornamental fishes				0			0	0	0	0
Portable plastic carp hatchery				0			0	0	0	0
Pen culture of fish and prawn				0			0	0	0	0
Shrimp farming				0			0	0	0	0
Edible oyster farming				0			0	0	0	0
Pearl culture				0			0	0	0	0
Fish processing and value addition				0			0	0	0	0
Others				0			0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IX Production of Inputs at site</b>										
Seed Production				0			0	0	0	0
Planting material production				0			0	0	0	0
Bio-agents production				0			0	0	0	0
Bio-pesticides production				0			0	0	0	0
Bio-fertilizer production				0			0	0	0	0
Vermi-compost production				0			0	0	0	0
Organic manures production				0			0	0	0	0
Production of fry and fingerlings				0			0	0	0	0
Production of Bee-colonies and wax sheets				0			0	0	0	0
Small tools and implements				0			0	0	0	0
Production of livestock feed and fodder				0			0	0	0	0
Production of Fish feed				0			0	0	0	0
Mushroom Production				0			0	0	0	0
Apiculture				0			0	0	0	0
Others				0			0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>X Capacity Building and Group Dynamics</b>										
Leadership development	0	0		0	0		0	0	0	0
Group dynamics	0	0		0	0		0	0	0	0
Formation and Management of SHGs	2	35	5	40	10		10	45	5	50
Mobilization of social capital	1	0		0	0	0	0	0	0	0

Entrepreneurial development of farmers/youths	1	15		15	4		4	19	0	19
WTO and IPR issues	0			0			0	0	0	0
Others	1	15		15	3		3	18	0	18
<b>Total</b>	<b>5</b>	<b>65</b>	<b>5</b>	<b>70</b>	<b>17</b>	<b>0</b>	<b>17</b>	<b>82</b>	<b>5</b>	<b>87</b>
<b>XI Agro-forestry</b>										
Production technologies				0			0	0	0	0
Nursery management				0			0	0	0	0
Integrated Farming Systems				0			0	0	0	0
Others				0			0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GRAND TOTAL</b>	<b>30</b>	<b>545</b>	<b>115</b>	<b>660</b>	<b>127</b>	<b>29</b>	<b>156</b>	<b>672</b>	<b>144</b>	<b>816</b>

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## B) Off Campus

Thematic area (May be specific to any given KVK)	OFF CAMPUS									
	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
I Crop Production										
Weed Management	1	15	0	15	10	0	10	25	0	25
Resource Conservation Technologies	0			0	0		0	0	0	0
Cropping Systems	2	30		30	0		0	30	0	30
Crop Diversification	0	0		0	0		0	0	0	0
Integrated Farming	1	15		15	5		5	20	0	20
Micro Irrigation/irrigation				0			0	0	0	0
Seed production	1	15		15	5		5	20	0	20
Nursery management	0	0		0	0		0	0	0	0
Integrated Crop Management	1	15		15	5		5	20	0	20
Soil & water conservation				0			0	0	0	0
Integrated nutrient management	4	55		55	30		30	85	0	85
Production of organic inputs				0			0	0	0	0
Others	0	0		0	0		0	0	0	0
Total	10	145	0	145	55	0	55	200	0	200
II Horticulture										
a) Vegetable Crops										
Production of low value and high value crops	1	15		15	5		5	20	0	20
Off-season vegetables				0			0	0	0	0
Nursery raising	2	37		37	7		7	44	0	44
Exotic vegetables	1	20		20	0		0	20	0	20
Export potential vegetables				0			0	0	0	0
Grading and standardization				0			0	0	0	0
Protective cultivation	0			0	0		0	0	0	0
Others	1	15		15	5		5	20	0	20
Total (a)	2	87	0	87	17	0	17	104	0	104
b) Fruits										
Training and Pruning	0	0		0	0		0	0	0	0
Layout and Management of Orchards				0			0	0	0	0
Cultivation of Fruit				0			0	0	0	0
Management of young plants/orchards				0			0	0	0	0
Rejuvenation of old orchards	1	15		15	5		5	20	0	20
Export potential fruits				0			0	0	0	0
Micro irrigation systems of orchards				0			0	0	0	0
Plant propagation techniques				0			0	0	0	0
Others	0	0		0	0		0	0	0	0
Total (b)	1	15	0	15	5	0	5	20	0	20
c) Ornamental Plants										
Nursery Management	0	0		0	0		0	0	0	0
Management of potted plants				0			0	0	0	0
Export potential of ornamental plants				0			0	0	0	0
Propagation techniques of Ornamental Plants				0			0	0	0	0
Others	1	15		15	4		4	19	0	19
Total ( c)	1	15	0	15	4	0	4	19	0	19
d) Plantation crops										
Production and Management technology				0			0	0	0	0
Processing and value addition	0	0		0	0		0	0	0	0
Others				0			0	0	0	0

Total (d)	0	0	0	0	0	0	0	0	0	0
<b>e) Tuber crops</b>										
Production and Management technology				0			0	0	0	0
Processing and value addition				0			0	0	0	0
Others				0			0	0	0	0
Total (e)	0	0	0	0	0	0	0	0	0	0
<b>f) Spices</b>										
Production and Management technology	1	20		20	0		0	20	0	20
Processing and value addition				0			0	0	0	0
Others	2	30		30			0	30	0	30
Total (f)	3	50	0	50	0	0	0	50	0	50
<b>g) Medicinal and Aromatic Plants</b>										
Nursery management	0	0		0	0		0	0	0	0
Production and management technology				0			0	0	0	0
Post harvest technology and value addition				0			0	0	0	0
Others				0			0	0	0	0
Total (g)	0	0	0	0	0	0	0	0	0	0
<b>GT (a-g)</b>	<b>7</b>	<b>167</b>	<b>0</b>	<b>167</b>	<b>26</b>	<b>0</b>	<b>26</b>	<b>193</b>	<b>0</b>	<b>193</b>
<b>III Soil Health and Fertility Mangmt.</b>										
Soil fertility management	1	10		10	5		5	15	0	15
Integrated water management	1	15		15	5		5	20	0	20
Integrated Nutrient Management	1	15		15	10		10	25	0	25
Production and use of organic inputs	0	0		0	0		0	0	0	0
Management of Problematic soils	1	15		15	10		10	25	0	25
Micro nutrient deficiency in crops	1	15		15	5		5	20	0	20
Nutrient Use Efficiency	1	15		15	5		5	20	0	20
Balance use of fertilizers	0	0		0	0		0	0	0	0
Soil and Water Testing	1	15		15	5		5	20	0	20
Others	2	30		30	10		10	40	0	40
<b>Total</b>	<b>9</b>	<b>130</b>	<b>0</b>	<b>130</b>	<b>55</b>	<b>0</b>	<b>55</b>	<b>185</b>	<b>0</b>	<b>185</b>
<b>IV Livestock Production and Mangmt.</b>										
Dairy Management	3	50	5	55	9		9	59	5	64
Poultry Management	1	22	5	27	4		4	26	5	31
Piggery Management				0			0	0	0	0
Rabbit Management				0			0	0	0	0
Animal Nutrition Management	1	15	5	20	5	0	5	20	5	25
Disease Management	2	37		37	7	0	7	44	0	44
Feed & fodder technology	3	60	10	70	8		8	68	10	78
Production of quality animal products				0			0	0	0	0
Others	2	35		35	8		8	43	0	43
<b>Total</b>	<b>12</b>	<b>219</b>	<b>25</b>	<b>244</b>	<b>41</b>	<b>0</b>	<b>41</b>	<b>260</b>	<b>25</b>	<b>285</b>
<b>V Home Science/Women empowerment</b>										
Household food security by kitchen gardening and nutrition gardening	3	0	45	45	0	14	14	0	59	59
Design and development of low/minimum cost diet	0		0	0			0	0	0	0
Designing and development for high nutrient efficiency diet	1		15	15		5	5	0	20	20
Minimization of nutrient loss in processing				0			0	0	0	0
Processing and cooking	0		0	0			0	0	0	0
Gender mainstreaming through SHGs				0			0	0	0	0
Storage loss minimization techniques				0			0	0	0	0
Value addition	1		15	15		5	5	0	20	20
Women empowerment	2		30	30		0	0	0	30	30
Location specific drudgery reduction technologies				0			0	0	0	0
Rural Crafts	1		20	20			0	0	20	20
Women and child care	3		45	45		15	15	0	60	60
Others	1		15	15		4	4	0	19	19
<b>Total</b>	<b>12</b>	<b>0</b>	<b>185</b>	<b>185</b>	<b>0</b>	<b>43</b>	<b>43</b>	<b>0</b>	<b>228</b>	<b>228</b>
<b>VI Agril. Engineering</b>										
Farm Machinery and its maintenance				0			0	0	0	0
Installation and maintenance of micro irrigation systems				0			0	0	0	0
Use of Plastics in farming practices				0			0	0	0	0
Production of small tools and implements				0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0	0	0	0

Small scale processing and value addition				0			0	0	0	0
Post Harvest Technology				0			0	0	0	0
Others				0			0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>VII Plant Protection</b>										
Integrated Pest Management				0			0	0	0	0
Integrated Disease Management				0			0	0	0	0
Bio-control of pests and diseases				0			0	0	0	0
Production of bio control agents and bio pesticides				0			0	0	0	0
Others				0			0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>VIII Fisheries</b>										
Integrated fish farming				0			0	0	0	0
Carp breeding and hatchery management				0			0	0	0	0
Carp fry and fingerling rearing				0			0	0	0	0
Composite fish culture				0			0	0	0	0
Hatchery management and culture of freshwater prawn				0			0	0	0	0
Breeding and culture of ornamental fishes				0			0	0	0	0
Portable plastic carp hatchery				0			0	0	0	0
Pen culture of fish and prawn				0			0	0	0	0
Shrimp farming				0			0	0	0	0
Edible oyster farming				0			0	0	0	0
Pearl culture				0			0	0	0	0
Fish processing and value addition				0			0	0	0	0
Others				0			0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IX Production of Inputs at site</b>										
Seed Production				0			0	0	0	0
Planting material production				0			0	0	0	0
Bio-agents production				0			0	0	0	0
Bio-pesticides production				0			0	0	0	0
Bio-fertilizer production				0			0	0	0	0
Vermi-compost production				0			0	0	0	0
Organic manures production				0			0	0	0	0
Production of fry and fingerlings				0			0	0	0	0
Production of Bee-colonies and wax sheets				0			0	0	0	0
Small tools and implements				0			0	0	0	0
Production of livestock feed and fodder				0			0	0	0	0
Production of Fish feed				0			0	0	0	0
Mushroom Production				0			0	0	0	0
Apiculture				0			0	0	0	0
Others				0			0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>X Capacity Building and Group Dynamics</b>										
Leadership development	1	15		15	4		4	19	0	19
Group dynamics	1	15		15	4		4	19	0	19
Formation and Management of SHGs	2	35	5	40	11		11	46	5	51
Mobilization of social capital	2	30		30	9		9	39	0	39
Entrepreneurial development of farmers/youths	0	0		0	0		0	0	0	0
WTO and IPR issues	0	0		0	0		0	0	0	0
Others	6	90		90	22		22	112	0	112
<b>Total</b>	<b>12</b>	<b>185</b>	<b>5</b>	<b>190</b>	<b>50</b>	<b>0</b>	<b>50</b>	<b>235</b>	<b>5</b>	<b>240</b>
<b>XI Agro-forestry</b>										
Production technologies				0			0	0	0	0
Nursery management				0			0	0	0	0
Integrated Farming Systems				0			0	0	0	0
Others				0			0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GRAND TOTAL</b>	<b>59</b>	<b>846</b>	<b>165</b>	<b>1011</b>	<b>227</b>	<b>43</b>	<b>270</b>	<b>1073</b>	<b>208</b>	<b>1281</b>



**C) ON + Off Campus**

Thematic area (May be specific to any given KVK)	No. of courses	ON+OFF CAMPUS								
		Participants								
		Others			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>I Crop Production</b>										
Weed Management	1	15	0	15	10	0	10	25	0	25
Resource Conservation Technologies	1	25	0	25	5	0	5	30	0	30
Cropping Systems	2	30	0	30	0	0	0	30	0	30
Crop Diversification	1	20	0	20	5	0	5	25	0	25
Integrated Farming	1	15	0	15	5	0	5	20	0	20
Micro Irrigation/irrigation	0	0	0	0	0	0	0	0	0	0
Seed production	1	15	0	15	5	0	5	20	0	20
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	2	40	0	40	10	0	10	50	0	50
Soil & water conservation	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	4	55	0	55	30	0	30	85	0	85
Production of organic inputs	0	0	0	0	0	0	0	0	0	0
Others	1	25	0	25	10	0	10	35	0	35
<b>Total</b>	<b>14</b>	<b>240</b>	<b>0</b>	<b>240</b>	<b>80</b>	<b>0</b>	<b>80</b>	<b>320</b>	<b>0</b>	<b>320</b>
<b>II Horticulture</b>										
<b>a) Vegetable Crops</b>										
Production of low value and high value crops	1	15	0	15	5	0	5	20	0	20
Off-season vegetables	0	0	0	0	0	0	0	0	0	0
Nursery raising	3	67	0	67	12	0	12	79	0	79
Exotic vegetables	1	20	0	20	0	0	0	20	0	20
Export potential vegetables	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0
Protective cultivation	0	0	0	0	0	0	0	0	0	0
Others	1	15	0	15	5	0	5	20	0	20
<b>Total (a)</b>	<b>6</b>	<b>117</b>	<b>0</b>	<b>117</b>	<b>22</b>	<b>0</b>	<b>22</b>	<b>139</b>	<b>0</b>	<b>139</b>
<b>b) Fruits</b>										
Training and Pruning	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	1	30	0	30	5	0	5	35	0	35
Cultivation of Fruit	0	0	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	1	15	0	15	5	0	5	20	0	20
Export potential fruits	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0
<b>Total (b)</b>	<b>2</b>	<b>45</b>	<b>0</b>	<b>45</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>55</b>	<b>0</b>	<b>55</b>
<b>c) Ornamental Plants</b>										
Nursery Management	1	30	0	30	5	0	5	35	0	35
Management of potted plants	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0
Others	1	15	0	15	4	0	4	19	0	19
<b>Total (c)</b>	<b>2</b>	<b>45</b>	<b>0</b>	<b>45</b>	<b>9</b>	<b>0</b>	<b>9</b>	<b>54</b>	<b>0</b>	<b>54</b>
<b>d) Plantation crops</b>										
Production and Management technology	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0

Total (d)	0	0	0	0	0	0	0	0	0	0
<b>e) Tuber crops</b>										
Production and Management technology	1	30	0	30	5	0	5	35	0	35
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0
Total (e)	1	30	0	30	5	0	5	35	0	35
<b>f) Spices</b>										
Production and Management technology	2	50	0	50	5	0	5	55	0	55
Processing and value addition	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0
Total (f)	2	50	0	50	5	0	5	55	0	55
<b>g) Medicinal and Aromatic Plants</b>										
Nursery management	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0
Total (g)	0	0	0	0	0	0	0	0	0	0
<b>GT (a-g)</b>	<b>13</b>	<b>287</b>	<b>0</b>	<b>287</b>	<b>51</b>	<b>0</b>	<b>51</b>	<b>338</b>	<b>0</b>	<b>338</b>
<b>III Soil Health and Fertility Mangmt.</b>										
Soil fertility management	2	35	0	35	10	0	10	45	0	45
Integrated water management	1	15	0	15	5	0	5	20	0	20
Integrated Nutrient Management	1	15	0	15	10	0	10	25	0	25
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	1	15	0	15	10	0	10	25	0	25
Micro nutrient deficiency in crops	1	15	0	15	5	0	5	20	0	20
Nutrient Use Efficiency	1	15	0	15	5	0	5	20	0	20
Balance use of fertilizers	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	2	40	0	40	15	0	15	55	0	55
Others	4	80	0	80	25	0	25	105	0	105
<b>Total</b>	<b>13</b>	<b>230</b>	<b>0</b>	<b>230</b>	<b>85</b>	<b>0</b>	<b>85</b>	<b>315</b>	<b>0</b>	<b>315</b>
<b>IV Livestock Production and Mangmt.</b>										
Dairy Management	3	50	5	55	9	0	9	59	5	64
Poultry Management	2	52	5	57	9	0	9	61	5	66
Piggery Management	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0
Animal Nutrition Management	1	15	5	20	5	0	5	20	5	25
Disease Management	2	37	0	37	7	0	7	44	0	44
Feed & fodder technology	5	115	10	125	18	0	18	133	10	143
Production of quality animal products	0	0	0	0	0	0	0	0	0	0
Others	4	85	0	85	23	0	23	108	0	108
<b>Total</b>	<b>17</b>	<b>354</b>	<b>25</b>	<b>379</b>	<b>71</b>	<b>0</b>	<b>71</b>	<b>425</b>	<b>25</b>	<b>450</b>
<b>V Home Science/Women empowerment</b>										
Household food security by kitchen gardening and nutrition gardening	5	0	75	75	0	23	23	0	98	98
Design and development of low/minimum cost diet	1	0	15	15	0	5	5	0	20	20
Designing and development for high nutrient efficiency diet	1	0	15	15	0	5	5	0	20	20
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0
Processing and cooking	1	0	15	15	0	5	5	0	20	20
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0
Value addition	3	0	50	50	0	15	15	0	65	65

Women empowerment	0	0	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0
Women and child care	3	0	45	45	0	15	15	0	60	60
Others	2	0	30	30	0	4	4	0	34	34
<b>Total</b>	<b>16</b>	<b>0</b>	<b>245</b>	<b>245</b>	<b>0</b>	<b>72</b>	<b>72</b>	<b>0</b>	<b>317</b>	<b>317</b>
<b>VI Agril. Engineering</b>										
Farm Machinery and its maintenance	0	0	0	0	0	0	0	0	0	0
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>VII Plant Protection</b>										
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>VIII Fisheries</b>										
Integrated fish farming	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IX Production of Inputs at site</b>										
Seed Production	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0

Production of Fish feed	0	0	0	0	0	0	0	0	0	0
Mushroom Production	0	0	0	0	0	0	0	0	0	0
Apiculture	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>X Capacity Building and Group Dynamics</b>										
Leadership development	1	15	0	15	4	0	4	19	0	19
Group dynamics	1	15	0	15	4	0	4	19	0	19
Formation and Management of SHGs	4	70	10	80	21	0	21	91	10	101
Mobilization of social capital	3	30	0	30	9	0	9	39	0	39
Entrepreneurial development of farmers/youths	1	15	0	15	4	0	4	19	0	19
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0
Others	7	105	0	105	25	0	25	130	0	130
<b>Total</b>	<b>17</b>	<b>250</b>	<b>10</b>	<b>260</b>	<b>67</b>	<b>0</b>	<b>67</b>	<b>317</b>	<b>10</b>	<b>327</b>
<b>XI Agro-forestry</b>										
Production technologies	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>GRAND TOTAL</b>	<b>100</b>	<b>1391</b>	<b>330</b>	<b>1721</b>	<b>354</b>	<b>72</b>	<b>426</b>	<b>1795</b>	<b>402</b>	<b>2147</b>

#### D) Rural Youths

Area of Training	No. of courses	Participants								
		Others			SC/ST			Grand Total		
		M	F	T	M	F	T	M	F	Total
Seed production	4	57		57	20		20	77	0	77
Dairying	1	20		20	5		5	25	0	25
Other	3	45		45	15		15	60	0	60
<b>TOTAL</b>	<b>8</b>	<b>122</b>	<b>0</b>	<b>122</b>	<b>40</b>	<b>0</b>	<b>40</b>	<b>162</b>	<b>0</b>	<b>162</b>

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#### E) Extension Functionaries: As per Demand

Area of Training	No. of courses	ON CAMPUS								
		Participants			Grand Total					
		M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	0	0		0			0	0	0	0
Integrated Pest Management	0			0			0	0	0	0
Integrated Nutrient management	0			0			0	0	0	0
Rejuvenation of old orchards	0			0			0	0	0	0
Protected cultivation technology	0			0			0	0	0	0
Production and use of organic inputs	0			0			0	0	0	0
Care & maintenance of farm machinery & implements	0			0			0	0	0	0
Gender mainstreaming through SHGs	0			0			0	0	0	0
Formation and Management of SHGs	0			0			0	0	0	0
Women and Child care	0			0			0	0	0	0
Low cost and nutrient efficient diet designing	0			0			0	0	0	0
Group Dynamics and farmers organization	0			0			0	0	0	0
Information networking among farmers	0			0			0	0	0	0
Capacity building for ICT application	0			0			0	0	0	0
Management in farm animals	0			0			0	0	0	0
Livestock feed and fodder production	0			0			0	0	0	0
Household food security	0			0			0	0	0	0
Other	9	145	50	195	5		5	150	50	200
<b>TOTAL</b>	<b>9</b>	<b>145</b>	<b>50</b>	<b>195</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>150</b>	<b>50</b>	<b>200</b>



# DETAILS OF TRAINING PROGRAMMES

Annexure I

## i) Farmers & Farm women

### I. CROP PRODUCTION

			CROP PRODUCTION								
Month/Date		Clientele	Title of the training programme	Duration (Days)	Venue (Off/ On Campus )	Number of participants			Number of SC/ST		
						M	F	Total	M	F	Total
February	12-16	PF	Cultivation, varieties, seed treatment and fertilizer management in Zaid crops.	5	On	25	-	25	5	-	5
March	21-23	PF	Cultivation of new varieties Moong and Urd and use of liquid fertilizers NPK, ZSB and PSB.	3	On	20	-	20	5	-	5
June	4-7	PF	Cultivation of Kharif crops - new hybrid varieties with use of balanced fertilizer sulphur & zinc.	4	On	25	-	25	5	-	5
October	3-7	PF	Cultivation, harvesting, threshing and storage of Rabi cereal crops.	5	On	25	-	25	10	-	10
January	2	PF	Weed control in timely sown Wheat.	1	Off	15	-	15	10	-	10
February	12	PF	Varities, seed treatment and fertilizer management in Zaid Bajra.	1	Off	15	-	15	5	-	5
March	3	PF	Harvesting, threshing and storage of Barley and Wheat.	1	Off	15	-	15	5	-	5
July	10	PF	New varieties, seed treatment and fertilizer management for Bajra	1	Off	10	-	10	10	-	10
September	10	PF	Cultivation of Mustard use of balanced fertilizers with Sulphur and Zn.	1	Off	15	-	15	5	-	5
October	20	PF	New release varieties & seed treatment in Wheat and Barley.	1	Off	15	-	15	5	-	5
November	12	PF	New release varieties & seed treatment in Wheat.	1	Off	15	-	15	10	-	10
December	10	PF	New varieties of Wheat & seed treatment in late sown condition.	1	Off	15	-	15	5	-	5

### HORTICULTURE

Months/ Date		Clientele	Title of the training programme	Duration (Days)	Venue (Off/ On)	Number of participants			Number of SC/ST		
						M	F	Total	M	F	Total
January	16-20	PF	Nursery raising and production technology of vegetable crops.	5	On	30	-	30	5	-	5
May	17-20	PF	Layout and Planting of fruit orchard Ber, Bel & Guava & rejuvenation of old orchard.	4		30	-	30	5	-	5
July	2- 4	PF	Production technology and processing of spices like Turmeric, Coriander, Chili and fenugreek.	4	On	30	-	30	5	-	5
October	5 –10	PF	Cultivation of Potato, seed treatment, weed management, irrigation, insect and disease Management, grading packaging and storage.	5	On	30	-	30	5	-	5
October	25-29	PF	Nursery Management of ornamental plants its Management.	5	On	30	-	30	5	-	5
February	12	PF	Cultivation of Bhindi in Zaid season.	1	Off	15	-	15	5	-	5
March	5	PF	Fertilizer and weed management in cucurbitaceous crop.	1	Off	15	-	15	5	-	5
May	22	PF	Rejuvenation of old Ber and Guava orchards.	1	Off	15	-	15	5	-	5
June	5	PF	Early Nursery raising of crop Chili, Capsicum and Brinjal.	1	Off	15	-	15	5	-	5
September	6	PF	Early Nursery raising of vegetable crop-Cauliflower, Broccoli, Tomato and Cabbage.	1	Off	22	-	22	2	-	2
October	17	PF	Transplanting spacing, fertilizer and weed management of Cabbage, Broccoli and Tomato.	1	Off	20	-	20	-	-	-
November	19	PF	Cultivation of Sonf and Coriander for seed production.	1	Off	20	-	20	-	-	-
December	23	PF	Cultivation of Gladiolus.	1	Off	15	-	15	4	-	4

### II. SOIL SCIENCE

Month/Date		Clientele	Title of the training programme	Duration (Days)	Venue (Off/ On Campus)	Number of participants			Number of SC/ST		
						M	F	Total	M	F	Total
July	5-9	PF	Natural Farming techniques, compost preparation, waste decomposer, vermi-culture.	5	On	25	-	25	5	-	5
April	3-5	PF	Soil sampling techniques and its collection and green manuring.	3	On	25	-	25	10	-	10
October	5-9		Use of fertilizers and liquid fertilizers its benefits with	5	On	30	-	30	5	-	5

			<b>reference to Nano DAP &amp; Urea.</b>								
May	10-14	PF	<b>Soil sampling techniques, use of gypsum and dencha for soil health improvement.</b>	5	On	25	-	25	5	-	5
January	3	PF	Use of liquid fertilizers and benefits.	1	Off	10	-	10	5	-	5
February	10	PF	Compost preparation by Vermin-culture.	1	Off	15	-	15	5	-	5
May	12	PF	Soil sampling techniques and its collection.	1	Off	15	-	15	5	-	5
June	10	PF	Cultivation of Dhencha for green manuring.	1	Off	15	-	15	10	-	10
July	15	PF	Techniques of water harvesting.	1	Off	15	-	15	5	-	5
August	20	PF	Training on soil and water conservation.								
September	12	PF	Use of sulphur in Mustard in dry land condition.	1	Off	15	-	15	10	-	10
November	20	PF	Use of zinc sulphate in Wheat under saline water conditions.	1	Off	15	-	15	5	-	5
December	12	PF	Use of balance fertilizers in late sown Wheat	1	Off	15	-	15	5	-	5

### III. LIVESTOCK PRODUCTION

Month/Date		Clientele	Title of the training programme	Duration (Days)	Venue (Off/ On Campus)	Number of participants			Number of SC/ST		
						M	F	Total	M	F	Total
January	6-10	PF/PW	Feeding management of dairy animals, cold caused diseases in pet animals and their prevention.	5	On	25	-	25	5	-	5
March	7-10	PF/PW	Scientific goat rearing techniques.	4	On	25	-	25	10	-	10
July	10-14	PF/PW	Fish farming and management.	5	On	25	-	25	5	-	5
September	10-14	PF/PW	Poultry production under integrated cropping system.	5	On	30	-	30	5	-	5
October	3-6	PF/PW	Green fodder production technology	4	On	30	-	30	5	-	5
January	8	PF	Care and management of Pet Animals.	1	Off	20	05	25	3	-	3
February	10	PF	How to prepare a balance ration for pet animals	1	Off	15	-	15	5	-	5
March	15	PF	Green Fodder Production Technology.	1	Off	20	05	25	3	-	3
Apr	1	PF	Balance Feeding of milch animals	1	Off	20	-	20	3	-	3
May	25	PF	Scientific Dairy Farming.	1	Off	15	-	15	3	-	3
June	10	PF	Management of milch and pregnant animals.	1	Off	20	05	25	3	-	3
July	2	PF	Disease management in dairy animals	1	Off	15	-	15	3	-	3
August	12	PF	Scientific Goat and Sheep Farming	1	Off	15	05	20	3	-	3
September	2	PF	Green Fodder Production Technology.	1	Off	20	-	20	2	-	2
October	15	PF	Poultry Management.	1	Off	22	10	32	4	-	4
November	11	PF	Integrated Farming System.	1	Off	15	05	20	3	-	3
December	2	PF	Fish farming Control disease Technology.	1	Off	22	-	22	4	-	4

### IV. AGRICULTURE EXTENSION

Month/ Date		Cientele	Title of the training Programme	Durat. (Days)	Venue On/Off Campus	Number of participant			No. of SC/ST		
						M	F	Total	M	F	Total
January	4-7	PF	Use of information Communication Technologies (ICT) tools in agriculture.	5	On	20	-	20	5	-	5
March	9-13	PF	Entrepreneurship development in youth and Farmers.	4	On	15	-	15	4	-	4
May	7-11	PF	Efficient marketing of agril produce &reduce post-harvest losses.	5	On	15	-	15	3	-	3
October	8-11	PF	Establishment and strengthening of Farmers club	4	On	20	-	20	5	-	5
November	6-10	PF	Formation and management of SHG/FPO	5	On	15	05	20	5	-	5
January	10	PF	Leader ship development for SHG/Farmer club	1	OFF	15	-	15	5	-	5
February	14	PF	Use of ICT in agricultural & Rural development	1	OFF	15	-	15	4	-	4
March	7	PF	Importance of Agri. Drone and Nano Urea .	1	OFF	15	-	15	3	-	3
April	12	PF	Marketing strategies for Rabi crop.	1	OFF	15	-	15	4	-	4
May	14	PF	Use of mass media for information on improved agro techniques.	1	OFF	15	-	15	5	-	5
June	7	PF	Training programme on importance of millets.	1	OFF	15	-	15	4	-	4
July	10	PF	Training methods & management.	1	OFF	15	-	15	3	-	3
August	13	PF	Formation and management of SHG/FPO.	1	OFF	20	05	25	6	-	6
September	6	PF	Role of Group Approach in agriculture.	1	OFF	15	-	15	4	-	4
October	10	PF	Value addition.	1	OFF	15	-	15	3	-	3
November	12	PF	Care & maintenance of farm machinery & implements.	1	OFF	15	-	15	4	-	4
December	10	PF	Recent agricultural technologies and its profitability.	1	OFF	15	-	15	5	-	5



## V. HOME SCIENCE

Month/ Date		Clientele	Title of the training programme	Durat. (Days)	Venue (Off/ On Campus)	Number of participants			Number of SC/ST		
						M	F	Total	M	F	Total
January	3-7	FW	Preparation of value added products (jam/pickles/sauces)	4	On	-	20	20	-	5	5
February	4-6	FW	Layout & Management of Nutritional –garden.	3	On	-	15	15	-	4	4
March	21-24	FW	Planning and preparation of papad	4	On	-	15	15	-	5	5
April	20-23	FW/RV	Production & Management in Vermi-compost for income generation.	4	On	-	15	15	0	0	0
July	25-27	FW	Preparation of value added products (pickles/jam)	3	On	-	15	15	-	5	5
September	25-28	FW	Preparation of low and high cost nutritious diet	4	On	-	15	15	-	5	5
October	10-12	FW	Layout & Management of Nutritional –garden	3	On	-	15	15	-	5	5
February	20	FW	Layout & Management of Nutritional –garden	1	Off	-	15	15	-	5	5
April	10	FW	Self Care of women and child	1	Off	-	15	15	-	5	5
May	25	FW	Balance diet for pregnancy of lactating women	1	Off	-	15	15	-	5	5
June	20	FY	Preparation of value added products(pickles/jam)	1	Off	-	15	15	-	5	5
August	20	FW	Use of Milk & preparation of milk Products.	1	Off	-	15	15	-	5	5
September	4	FW	Layout & Management of Nutritional –garden	1	Off	-	15	15	-	4	4
October	25	RY	Layout & Management of Nutritional –garden.	1	Off	-	15	15	-	5	5
November	10	RW/RV	Fabric Printining ,Tie and dye	1	Off	-	15	15	-	4	5
December	10	FW	Balance diet for pregnancy of lactating women	1	Off	-	15	15	-	5	4

## Annexure II

### Vocational training programmes for Rural Youth

Crop Enterprise	Identified Thrust area	Training title	Duration (Days)	No. of Participants			SC/ST participants		
				M	F	Total	M	F	Total
Crop Production	Seed Production	Mustard seed production techniques	4 (Sept15-18)	15	-	15	-	5	5
Soil Science	Soil Sampling	Method of Soil Sampling & its testing	4 (May-15-18)	15	-	15	5	-	5
Crop Production	Seed Production	Wheat seed production techniques	4 (Oct-15-18)	15	-	15	5	-	5
Livestock Production	Parabadi Sahayak/NGO Ext Worker etc.	Clean milk production and its importance	4 (Mar. 4-7 Mar.)	20	-	20	5	-	5
Agriculture Extension	NGO workers/FPO	Farmer producer organization and its importance	4 (Sept15-18)	15	-	15	-	5	5
Agriculture Extension	Agriculture based small scale industries	Entrepreneurship development of farm youth (Agricultural based small scale industries)	4 (May-15-18)	15	-	15	5	-	5
Horticulture	Seed Production	Cultivation of Potato for seed production	4	15	-	15	5	-	5
		Varieties, seed treatment, sowing method, fertilizer use and irrigation	(Oct.4-5)						
		Removal of green plant and plant protection	(Jan.- 19)						
		Harvesting, grading and storage	(Feb. -1)						
Horticulture	Condiments	Seed production of Coriander and Sonf	(Sept19-20) 2	12	-	12	5	-	5
Home Science	Kitchen Garden	Layout & Management of Nutritional Kitchen–garden.	(Feb.- 10-13) 4	-	12	12	-	3	3

### Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration (Days)	Number of participants			Number of SC/ST		
				M	F	Total	M	F	Total
Jan & Feb	Kisan Sahayak	IPM in crops	1	15	-	15	-	-	-
Feb.	Kisan Sahayak	Productivity enhancement of field crops	1	20	-	20	-	-	-
Feb.	Parabadi Sahayak/NGO Ext Worker etc.	Clean milk production and its importance	3	20	-	20	5	-	5
May/June	Kisan Sahayak	Soil Testing	1	20	-	20	-	-	-
Sept.	Staff of Dept. of Horticulture	Seed production of Potato.	2	20	-	20	-	-	-
Oct.	Kisan Sahayak	INM in crops	2	15	-	15	-	-	-
Oct.	Kisan Sahayak	Recent agricultural technologies and its profitability.	1	15	-	15	-	-	-
Nov/Dec	Kisan Sahayak	Use of ICT in agricultural & Rural development	1	20	-	20	-	-	-
September	Aganwadi Worker	Layout & Management of Nutritional Kitchen-garden.	2	-	50	50	-	10	10

### Annexure III

#### Details of the Skill/Training Programme of 32 Hours duration and above duration in 2022

Crop Production		
1.	Name of the scheme/ Programme	Seed production techniques in different Cereal/Oil Seed crops
2.	Sub Component having provision of skill/training to farmers/farm women/rural youths	Selection of Varieties/Seed treatment/ Sowing methods Placement of fertilizers on soil testing bases Different pesticides/ weedicides Use of liquid fertilizers Control of insects/pests
3.	Duration of training	Four days
4.	Target groups Rural youths/farmers and farm women	Rural youths/farmers /Students of M.Sc. Ag (Agronomy)
5.	Place of training	Two days at selected villages and two days at KVK
6.	Agency who conducts trg. Programme	KVK, Bichpuri, Agra
7.	Cost per trainees	As per sanction by the Director, ATARI
8.	Weather training programme is continuous or discrete manner Spread over Whole crop season)	Continuous
9.	Weather any certificate is issued after completion of training programme If Yes, agency which issues certificate	As per demand
10.	Weather training programme is linked with employment or placement of trainees	Yes Employment/Placement
11.	Target	25

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Horticulture		
1.	Name of the scheme/ Programme	Early Nursery raising of vegetables in low tunnels poly houses/pro tray
2.	Sub Component having provision of skill/training to farmers/rural youths	Quality seed of vegetables/ Vegetable seed and soil treatment Nursery raising at raised seed beds Construction of poly house and low tunnels poly house
3.	Duration of training	Four days
4.	Target groups Rural youths/farmers and farm women	Rural youths/farmers Students B.Sc./ M.Sc. Ag
5.	Place of training	Two days at selected villages and two days at KVK
6.	Agency who conducts trg. Programme	KVK, Bichpuri, Agra
7.	Cost per trainees	As per sanction by the ZPD
8.	Weather training programme is continuous or discrete manner (Spread over Whole crop season)	Continuous
9.	Weather any certificate is issued after completion of training programme If Yes, agency which issues certificate	As per demand
10.	Weather training programme is linked with employment or placement of trainees	Yes Employment/Placement
11.	Target	25

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<b>Soil Science</b>		
1.	Name of the scheme/ Programme	<b>Soil sample testing and methods of analysis for macro and micronutrients</b>
2.	Sub Component having provision of skill/training to farmers/farm women/rural youths	Techniques of collection of samples/ Preparation of samples Knowledge of Soil testing kit/ Analysis of macro-nutrients Analysis of micro-nutrients
3.	Duration of training	Four days
4.	Target groups Rural youths/farmers and farm women	Rural youths/ Students of B.Sc.Ag./M.Sc. Ag (Soil Science)
5.	Place of training	Two days at selected villages and two days at KVK
6.	Agency who conducts trg. Programme	KVK, Bichpuri, Agra
7.	Cost per trainees	As per sanction by the Director, ATARI
8.	Weather training programme is continuous or discrete manner (Spread over Whole crop season)	Continuous
9.	Weather any certificate is issued after completion of training programme If Yes, agency which issues certificate	As per demand
10.	Weather training programme is linked with employment or placement of trainees	Yes Employment/Placement
11.	Target	25

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<b>Animal Science and Dairying</b>		
1.	Name of the scheme/ Programme	Back yard poultry production
2.	Sub Component having provision of skill/training to farmers/farm women/rural youths	Knowledge about indigenous varieties Poultry feed production and management Vaccination and other diseases management Broiler production Marketing of broiler and eggs.
3.	Duration of training	Four days
4.	Target groups Rural youths/farmers and farm women	Rural youths/farmers Students of B.Sc. Ag./ M.Sc. Ag
5.	Place of training	Two days at selected villages and two days at KVK
6.	Agency who conducts trg. Programme	KVK, Bichpuri, Agra
7.	Cost per trainees	As per sanction by the Director, ATARI
8.	Weather training programme is continuous or discrete manner (Spread over Whole crop season)	Continuous
9.	Weather any certificate is issued after completion of training programme If Yes, agency which issues certificate	As per demand
10.	Weather training programme is linked with employment or placement of trainees	Employment/Placement
11.	Target	25

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<b>Agriculture Extension</b>		
1.	Name of the scheme/ Programme	Entrepreneurship development of farm youth (Agricultural based small scale industries)
2.	Sub Component having provision of skill/training to farmers/farm women/rural youths	1. Entrepreneur: Meaning, definition etc. 2. Concept of entrepreneurship. 3. Characteristics of Indian Agricultural Processing and Export Industry. 4. SWOT analysis. 5. Government schemes and incentives. 6. Market survey. Communication Skills. Writing Skill.
3.	Duration of training	Four days
4.	Target groups Rural youths/farmers and farm women	Rural youths/farmers /Students of M.Sc. Ag
5.	Place of training	At KVK
6.	Agency who conducts trg. Programme	KVK, Bichpuri, Agra
7.	Cost per trainees	As per sanction by the Director, ATARI
8.	Weather training programme is continuous or discrete manner (Spread over Whole crop season)	Continuous
9.	Weather any certificate is issued after completion of training programme If Yes, agency which issues certificate	As per demand
10.	Weather training programme is linked with employment or placement of trainees	Yes Self Employment/Placement
11.	Target	25

### 3.4 Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	8									
Kisan Mela	1									
Kisan Ghosthi	2									
Exhibition	0									
Film Show	0									
Farmers Seminar	1									
Workshop	0									
Group meetings	2									
Lectures delivered as resource persons	8									
Newspaper coverage	24									
Radio talks	5									
TV talks	5									
Popular articles	4									
Extension Literature	5									
<b>Advisory Services</b>	<b>100</b>									
Scientific visit to farmers field	12									
Farmers visit to KVK	-									
Diagnostic visits	-									
Exposure visits	-									
Ex-trainees Sammelan	2									
Soil health Camp	2									
Animal Health Camp	2									
Agri mobile clinic	-									
Soil test campaigns	2									
Farm Science Club Conveners meet	-									
Self Help Group Conveners meetings	-									
Mahila Mandals Conveners meetings	-									
Celebration of important days (specify)	4									
Krishi Mohostva	-									
Krishi Rath	-									
Pre Kharif workshop	1									
Pre Rabi workshop	1									
PPVFRA workshop	-									
Any Other (Specify)	-									
<b>Total</b>	<b>200</b>									

### 3.5 Target for Production and supply of Technological products

#### A) SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
<b>CEREALS</b>	Wheat	HD 222	<b>200</b>
<b>OILSEEDS</b>	Mustard	DRMR 150-35	<b>50</b>
<b>PULSES</b>			
<b>VEGETABLES</b>			
<b>OTHERS (Specify)</b>	Marigold	Pusa Narangi	<b>1 Kg</b>

#### B) PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
<b>SPICES</b>			
<b>VEGETABLES</b>	Brinjal	Hybrid	<b>3500</b>
	Cauliflower	Hybrid	<b>3000</b>
	Tomato	Hybrid	<b>4000</b>
	Cabbage	Hybrid	<b>3000</b>
	Onion	Hybrid	<b>4000</b>
	Chilli	Hybrid	<b>3000</b>
<b>ORNAMENTAL CROP</b>			
<b>Flower</b>	Marigold	Pusa Narangi	<b>20000</b>
		<b>Total</b>	<b>40500</b>



### C) BIO-PRODUCT

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>	-	-	-	-
1	Vermicompost	-	-	10000

### D) LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle				
GOAT				
SHEEP				
POULTRY				

### 3.6 Literature to be Developed/Published

- (A) **KVK News Letter**  
 Date of start : From October 2022 (Online) to April 2023  
 Number of copies to be published : 7 Issues

### (B) Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	2
2	Technical reports	8
3	News letters	2
4	Training manual all discipline	1
5	Popular article	4
6	Extension literature	5
	<b>Total</b>	<b>22</b>

### (C) Details of Electronic Media to be Produced: As per requirement

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette, whatsapp group, mobile app, etc.	Title of the product	Number
1	What's app group	What's app group	23

### 3.7. Success stories/Case studies identified for development as a case. -

- Brief introduction/Background
- Interventions/process
- Output
- Outcomes
- Impact
  - Social economic
  - Bio-Physical
- Good Action Photographs

### 3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers

- a)  
**Rural Youth**

- a)  
**In-service personnel**

### 3.9 Indicate the methodology for identifying OFTs/FLDs

For OFT :

- PRA
- Problem identified from Matrix based ranking & analysis
- Field level observations
- Farmer group discussions
- Others if any

For FLD :

- New variety/technology
- Poor yield at farmers level
- Existing cropping system
- Others if any

### 3.10 Field activities

- Name of villages identified/adopted with block name (from which year) -
- No. of farm families selected per village :
- No. of PRA conducted :
- No. of technologies taken to the adopted villages:
- Name of the technologies found suitable by the farmers of the adopted villages:

- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

### 3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab:

1. Year of establishment : 2012

2. List of equipments purchase with amount:

S. No.	Lab Equipment	Quantity	Cost of Instruments
1.	Rotary Shaker	01	28778.00
2.	Hot Plate	02	6998.00
3.	Digital Balance	01	6760.00
4.	Augur 75mm	02	3740.00
5.	Augur 100 mm	02	5740.00
6.	Automatic Digestion System	One Unit	258300.00
7.	KeepplusMicre Digestion System		
8.	Acid Neutralizer Scuber for digestion system Model		
9.	Shimazadu Analytical Balance	01	50660.00
10.	Remi Model R8C	01	12535.00
11.	Remi R88 Optical	01	4712.00
12.	Navyug Model no NU101	01	18084.00
13.	Navyug Model no NU127	01	1575.00
14.	Systronic type 306	01	14568.75
15.	Systronic type 117	01	113575.00
16.	Systronic type 361	01	13650.00
17.	Systronic type 128	01	39375.00
18.	Soil Testing Kit	02	160000.00

### 3. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	1000	750	15	-
Water	-	-	-	-
Plant	-	-	-	-
<b>Total</b>	<b>1000</b>	<b>750</b>	<b>15</b>	<b>-</b>

## 4.0 LINKAGES

### 4.1 Functional linkage with different organizations/department:

S. No.	Name of organization	Nature of Linkage	Outcome of linkage
1	Deptt. of Agriculture	Joint diagnostic survey and implementation participation, meeting, field days, Kisan Mela.	
2	Deptt. of AH/PCDF	Training, Vet Facilities, Participation in meeting, field days, Kisan Mela and programme implementation.	
3	Deptt. of Horticulture	Training participation in meeting, field days, Kisan mela and programme implementation.	
4	Deptt. Of Fisheries	Training participation in meeting, field days, Kisan mela and programme implementation.	
5	Bank	Participation in training meeting, Kisan Mela & Credit support.	
6	SAUS and ICAR Institute & ICAR-ATARI, ICAR-DRMR, CARI, IVRI etc	Technical support, Seed, Sapling SAC	
7	Agro Service Centre	Participation in training, Kisan mela, Agriculture implements.	
8	U.P. DASP, Lucknow	Participation in training meeting, Kisan Mela & Training, motivation, awareness.	
9	IFFCO/KRIBHCO	Establishment mini nursery & on farm orchard establishment.	
10	Deptt. Of Ag. & Cooperation, Ministry of Agriculture, Govt. of India	Different program as per the letter issued.	
11	CIMAP, Lucknow	Cultivation of aromatic plant under Aroma village programme.	
12	IMD	DAMU and Agro-Advisory Services	
13	NSC, Agra	Seed program, Seed Purchase, Kisan Mela, SA	
14	ICAR-DRMR, Bharatpur	Seed Program, Seed Purchasing, SAC Meeting	

### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No Yes

### 5. Utilization of Hostel facilities N/A

## ACTION PLAN OF KVK MATHURA

(1<sup>st</sup> January 2024 to 31<sup>st</sup> December 2024)

### 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail	Website
	Office	FAX		
Krishi Vigyan Kendra Veterinary University Campus, Mathura-281001	-	-	mathurakvk@gmail.com	mathura.kvk4.in

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

Address	Telephone		E mail	Website
	Office	FAX		
U.P.Pt. Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidhyalaya Evam Go- Anusandhan Sansthan, Mathura- 281001	0565-2470199	0565-2404819	duvasuvc@gmail.com	www.upvetuniv.edu.in

1.2.b. Status of KVK website : mathura.kvk4.in

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) :

1.2.d Status of ICT lab at your KVK : Yes  
 a) No. of PC units: 09  
 b) No. of Printers: 08  
 c) Internet Connection: Yes

#### 1.3. Name of the Sr. Scientist & Head with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Y.K.Sharma, In-charge	-	9412559945	mathurakvk@gmail.com

1.4. Year of sanction (as per MOU): 1984

### 1.5. Staff Position (as on 16<sup>th</sup> Oct., 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Grade Pay	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)	Mobile No.	Email id	Please attach recent photograph
1	Subject Matter Specialist	Dr. Y.K.Sharma	SMS/Incharge	Agri (Extn.)	79800-211500	8000/-	124200/-	28.11.2001	Permanent	Gen.	9412559945	dryksharmakvk@gmail.com	
2	Subject Matter Specialist	Dr.Braj Mohan	SMS	Horticulture	56100-177500	5400/-	77700/-	13.10.2011	Permanent	SC	8439305626	braj.meerut@gmail.com	
3	Subject Matter Specialist	Dr.Ravindra Kr. Rajput	SMS	Soil Science	56100-177500	5400/-	77700/-	17.10.2011	Permanent	OBC	8868871549	ravindrakumarrajput@rediffmail.com	
4	Programme Assistant	Govind Kumar	Programme Assistant (Comp.)	Computer	47600-151100	4800/-	76500/-	26.09.2001	Permanent	Gen.	9412470363	govindkvk@gmail.com	
5	Programme Assistant	Nandram	Farm Manager	Agronomy	35400-112400	4200/-	44900/-	29.01.2015	Permanent	OBC	9412336766	nr.rajput65@gmail.com	

6	Stenographer	Anil Kr. Kulshreshtha	Jr. steno/Computer Operator	-	35400-112400	4200/-	52000/-	20.03.2003	Permanent	SC	9457027005	klpnkm100@gmail.com	
7	Driver	Munna Alias Sarvesh	Tractor Driver	-	35400-112400	4200/-	49000/-	07.12.1992	Permanent	OBC	05652471237	-	
8	Supporting Staff	Smt. Savitri Sharma	Attendant	-	18000-56900	1800/-	20300/-	07.12.2019	Permanent	Gen.	9897025216	-	
9	Supporting Staff	Chandra Prakash Sharma	Attendant	-	18000-56900	1800/-	19700/-	26.03.2020	Permanent	Gen.	7302943911	-	
10	4 <sup>th</sup> Class Employee against Driver	Smt. Seema Devi	Against Driver	-	18000-56900	1800/-	18000/-		Permanent	SC		-	

**1.6. Total land with KVK (in ha) :**

S. No.	Item	Area (ha)
1	Under Buildings	1
2.	Under Demonstration Units	-
3.	Under Crops	15
4.	Horticulture	-
5.	Pond	-
6.	Agro forestry	2
	<b>Total</b>	<b>18</b>

**1.7. Infrastructural Development:**
**A) Buildings**

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	15.8.09	550 sqm.	59,72,000	-	550	completed
2.	Farmers Hostel (Old)	ICAR	1989	425 sqm.	-	-	-	Abandoned
3.	Staff Quarters (11)	ICAR	1997	620 sqm.	-	-	-	Repairable
4.	Demonstration Units (4)	ICAR						
	i. Vermi-compost		2006-07	180 m <sup>3</sup>	3900	-	-	completed
	ii. NADEP		2010-11	225 m <sup>3</sup>	3000	-	-	completed
	iii. Napier Grass		2010-11	1 acre	-	-	-	completed
	iv. Guinea Grass		2010-11	0.5 acre	-	-	-	completed
5	Fencing (Farm)	ICAR	2006-07	1400 meter	5,96,000	-	-	completed
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	ICAR	2006-07	800 Sqm.	2,43,000	-	-	completed
8	Farm godown	-	-	-	-	-	-	-
	<b>Other</b>							
9	Tube well	ICAR	2006-07	-	1,30,000	-	-	Working

10	Irrigation channel (Pipe line)	ICAR	2006-07	1540 Sqm.	9,26,000	-	-	completed
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**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep (Bolero)	2013-14	637166/-	88000 Km.	Good
Tractor (Mahindra)	2009-10	500000/-	4625 hrs.	Good
Motor Cycle (Hero Honda)	2011-12	59991/-	49025 Km.	Good

**C) Equipments & AV aids**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
LCD Projector	2006-07	93,675.75	Not Working
Video Camera	2006-07	19,799.00	Not Working
Still Camera	2010-11	8,995.00	Working
Scanner	2010-11	4,988.00	Not Working
Generator	2010-11	72,500.00	Not Working
Biometric Machine	2015-16	18,777.00	Working
Laptop	2016-17	48,000.00	Working
Photocopier	2016-17	80,000.00	Not Working
Still Camera	2016-17	12,995.00	Working
Desktop computers (09 Nos.)	2016-17	4,35,882.00	Working
AC (06 Nos.)	2016-17	2,63,350.00	Working
TV (02 Nos.)	2016-17	93,750.00	Working
Water Cooler-150 lt.	2016-17	56,000.00	Not Working
Kent RO 25 lt.	2016-17	29,875.00	Not Working

**1.8. A). Details of SAC meetings to be conducted in the year**

Sl.No.	Scientific Advisory Committee	Date
1.	Scientific Advisory Committee	Dec., 2023

**2. DETAILS OF MICRO-FARMING SITUATIONS OF THE DISTRICT****2.1 Micro-farming situations****a) Characteristics**

S. No.	Agro-Ecological situations (AES)	Existing Farming System (Crop + livestock + others)	Major soil types
1	<b>AES 1</b> This AES forms the north eastern part of the district and bounded on the north & east by district Aligarh and on the west by river Yamuna. It has an area of 858.6 Sq. km with 253 inhabited villages. This AES is mainly irrigated by Gang canal	The main crops of this AES are Paddy, Bajra, Til, Jawar, Mustard, Wheat, Barley and vegetable crops. Floriculture and some fruit crops are also grown. Cattles and buffalo are also reared by farming community along with crop cultivation.  (Crop husbandry + Dairy + Vegetable cultivation)	The soils of this AES are loam, sandy loam and are generally fertile. Some parts in this AES are low lying where paddy is cultivated in Kharif.



	and quality of water is suitable for irrigation except few parts where saline water is available. <b>(Naujheel, Mant, Raya &amp; Baldev Blocks)</b>		
2	<b>AES 2</b> This AES forms the Southwest parts of the district, which is bounded by district Bharatpur (Raj.) on the West and Agra on the South. The total area of this AES is around 1059.3 Sq.km. with over 300 inhabited villages and six towns. <b>(Mathura, Farah, Chaumuha Blocks)</b>	The main crops of this AES are Bajra, Jawar, Mustard, Barley & Wheat. Cattles and buffalo are also reared by farming community along with crop cultivation.  (Crop husbandry + Dairy + Goatry)	The soils of this AES are generally loam, sandy loam but not too fertile because of salinity & alkalinity. The quality of water is also varies and do not suitable for irrigation due to high concentration of salt. Some part of this AES are also affected with the spillover of oil from refinery in drainage.
3	<b>AES 3</b> This AES forms the Northwest part of the district and is bounded on the North by Faridabad (Haryana) district and the Yamuna on the East and by district Bhagalpur (Raj.) on the West. It has an area of around 1052.60 Sq.km with over 150 in habited villages and 4 towns. The AES is semi waterlogged specially the areas in Chhata & Nandgaun. <b>(Chhata, Goverdhan &amp; Nandgaon Blocks)</b>	Main crops of this AES are Sugarcane, Jawar, Paddy, Wheat & Mustard. Cattles and buffalo are also reared by farming community along with crop cultivation.  (Crop husbandry + Dairy + Vegetable cultivation)	The soils are loam, sandy loam with some patches of Usar soils. The quality of water for irrigation is not good.

#### b) Land Characteristics

S.No	Agro-Ecological Situation (AES)	Topography	Drainage
1.	<b>AES-1</b> (Naujheel, Mant, Raya & Baldev Blocks)	The soils of this AES are loam, sandy loam and are generally fertile. Some parts in this AES are low lying where Paddy is cultivated in Kharif. This AES is mainly irrigated by Gang canal and quality of water is suitable for irrigation except few parts where saline water is available.	Some parts in this AES are low lying hence conditions like waterlog prevailed during rains. Drainage is a problem in some part of the AES.
2.	<b>AES-2</b> (Mathura, Farah, Chaumuha Blocks)	The soils of this AES are generally loam, sandy loam but not too fertile because of salinity & alkalinity. The quality of water is also varies and do not suitable for irrigation due to high concentration of salt. Some part of this AES are also affected with the spillover of oil from refinery in drainage.	The drainage is not a major problem in this AES but being availability of poor quality water hampers the growth of crops.
3.	<b>AES-3</b> (Chhata, Goverdhan & Nandgaon Blocks)	The AES is semi waterlogged specially the areas in Chhata & Nandgaun. The soils are loam, sandy loam with some patches of Usar soils. The quality of water for irrigation is not good.	Drainage is a major and serious problem in this AES. Many time if there is heavy rain or untimely rain during Rabi damage the crop completely.

## c) AES-wise major problems

S.No	Agro-Ecological Situation (AES)	Major problems	Rank
1.	<b>AES-1</b> The soils of this AES are loam, sandy loam and are generally fertile. Some parts in this AES are low lying where Paddy is cultivated in Kharif. This AES is mainly irrigated by Gang canal and quality of water is suitable for irrigation except few parts where saline water is available. The main crops of this AES are Paddy, Bajra, Til, Jawar, Mustard, Wheat, Barley and vegetable crops. Floriculture and some fruit crops are also grown. <b>(Naujheel, Mant, Raya &amp; Baldev Blocks)</b>	Salinity in soil and irrigation water in some part of this AES	III
2.	<b>AES-2</b> The soils of this AES are generally loam, sandy loam but not too fertile because of salinity & alkalinity. The quality of water is also varies and do not suitable for irrigation due to high concentration of salt. Some part of this AES are also affected with the spillover of oil from refinery in drainage and hence Bajra, Jawar, Mustard, Barley & Wheat. <b>(Mathura, Farah, Chaumuha Blocks)</b>	The soils in this AES are not too fertile because of salinity & alkalinity.  The quality of water is also varies and do not suitable for irrigation due to high concentration of salt.  Some part of this AES are also affected with the spillover of oil from refinery in drainage	II
3.	<b>AES-3</b> The AES is semi waterlogged specially the areas in Chhata & Nandgaun. The soils are loam, sandy loam with some patches of Usar soils. The quality of water for irrigation is not good. Main crops of this AES are Sugarcane, Jawar, Paddy, Wheat & Mustard.  <b>(Chhata, Goverdhan &amp; Nandgaon)</b>	The AES is semi water logged with some patches of Usar soil with poor quality of irrigation water.	I

## 2.2. Area, Production and Productivity of major crops cultivated in the district (2020)

S. No	Crop	Area (ha)	Production (q.)	Productivity (q./ha.)	Yield gap (q/ha) with respect to demo	Yield gap (q/ha) with respect to potential yield
<b>A</b>	<b>Field crops including oilseeds &amp; pulses</b>					
<b>(I)</b>	<b>Kharif (2020)</b>					
1	Paddy	46667	83536	18.11	24	26
2	Bajra	37665	64576	17.18	8	10
3	Maize	109	336	30.82	-	15
4	Jawar (Sorghum)	24	24	10.06	-	10
5	Arhar (Pigeon pea)	1533	9550	7.46	-	5
6	Cotton	9975	149625	15.00	5	8
	<b>Oil seeds</b>					
8	Til (Sesame)	339	38.00	1.13	5	6.5
	<b>Total (I)</b>	<b>96312</b>	<b>307685</b>	<b>99.76</b>	<b>-</b>	<b>-</b>
	<b>Rabi (2020-21)</b>					
<b>(II)</b>	<b>Cereals</b>					
1	Wheat	200421	7044800	35.15	12	15
2	Barley	3865	124990	32.34	10	12
3	Gram	29	550	18.97	5	7
4	Pea	1	23	23	-	-
	<b>Oilseed</b>					
1	Mustard	45267	887690	19.61	9	10
	<b>Total (II)</b>	<b>249583</b>	<b>8058053</b>	<b>129.07</b>		
<b>(III)</b>	<b>Zaid (2020)</b>					
1	Moong	2600	5000	5.40	4	7
2	Urd	116	58	5.01	4	7
	<b>Total (III)</b>	<b>2716</b>	<b>5058</b>	<b>10.41</b>	<b>-</b>	<b>-</b>
	<b>Grand Total A (I+II+III)</b>	<b>348611</b>	<b>8370796</b>	<b>239.24</b>	<b>-</b>	<b>-</b>
<b>B.</b>	<b>Vegetables</b>	11834	-	-	-	-
	<b>Total (B)</b>	<b>11834</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>G. Total (A+B)</b>	<b>360445</b>	<b>8370796</b>	<b>239.24</b>	<b>-</b>	<b>-</b>

## 2.3. Weather data (2022-23)

Year	Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
2022						
	Jan.	26.0	19.20	7.50	64.20	
	Feb.	39.5	19.50	8.00	55.60	
	March	15.6	25.20	12.00	58.50	
	April	55.1	38.07	21.3	29.3	
	May	21.6	41.37	25.35	28.32	
	June	11.5	40.57	28.40	36.23	

	July	85.0	25.20	12.00	38.00	
	Aug.	26.0	19.20	7.50	64.20	
	Sep.	39.5	19.50	8.00	55.60	
	Oct	85.0	25.20	12.00	38.00	
	Nov.	11.5	40.57	28.40	36.23	
	Dec.	0	19.50	8.00	55.60	
<b>2023</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
	Jan.	26.0	19.20	7.50	64.20	
	Feb.	39.5	19.50	8.00	55.60	
	March	15.6	25.20	12.00	58.50	
	April	55.1	38.07	21.3	29.30	
	May	21.6	41.37	25.35	28.32	
	June	15.6	25.20	12.00	58.50	
	July	20.6	40.37	26.10	25.25	
	Aug.	54.1	38.09	21.35	29.40	
	Sep.	15.6	25.20	12.00	58.50	
	Oct.	0	32.00	20.23	25.21	
<b>Total</b>		<b>680</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

#### 2.4 Production and productivity of livestock, Poultry, Fisheries etc. in the district (2022)

Category	Population	Production	Productivity	Productivity gap
Cattle	214236	65.725	3 lt/day	1.5
Buffalo	790792	340.893	5 lt/day	2.5
Sheep	53596	-	-	-
Goats	64681	9.16	-	-
Pigs	24637	-	-	-
Crossbred	53532	-	-	-
Indigenous	160704	-	-	-
Rabbits	-	-	-	-
Poultry	50419	37.138	-	-
Hens				-
Desi	-	-	-	-
Category		Production (Q.)	Productivity	Productivity gap
Fish (Reservoir)		-	-	-

#### 2.5 Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Existing yield (q/ha, number/year)	Major problem identified	Identified Thrust Areas
--------	-------------------	---------------------	---------------------------	------------------------------------	--------------------------	-------------------------

Mahavan	Baldeo	Bandi Cheoli Amirpur N. Asha Daghenta N. Vidhi Rawal Jarara	Bajra Potato Jawar Wheat Berseem Til Mustard Veg. Barley AH	17.18 350 10.06 35.15 - 1.13 19.61 - 32.34 -	Weeds in crops Low productivity of Cereals, Oilseeds & Fodder Pest & disease in crops	Weed management, Balance use of fertilizers Use of micronutrient & liquid fertilizers Introduction of new HYV Pest & Disease management
	Raya	Karav Sihora N. Teja	Paddy Jawar Wheat Berseem Til Mustard Barley AH	30 15 38 - 2.15 21 27 -	Weeds in crops Low productivity of Cereals, Oilseeds & Fodder Pest & disease in crops	Weed management, Balance use of fertilizers Use of micronutrient & liquid fertilizers Introduction of new HYV Pest & Disease management
	Farah	Jhandipur Hathiyoli N. Chandrabhan	Bajra Potato Jawar Wheat Berseem Til Mustard Veg. Barley AH	20 362 12.5 38 - 3.2 22 - 28 -	Weeds in crops Low productivity of Cereals, Oilseeds & Fodder Pest & disease in crops	Weed management, Balance use of fertilizers Use of micronutrient & liquid fertilizers Introduction of new HYV Pest & Disease management
Mathura	Mathura	Bati Jachonda	Paddy Bajra Potato Jawar Wheat Berseem Til Mustard Barley & AH	31 20 360 15 45 - 2.5 20 28 -	Weeds in crops Low productivity of Cereals, Oilseeds & Fodder Pest & disease in crops	Weed management, Balance use of fertilizers Use of micronutrient & liquid fertilizers Introduction of new HYV Pest & Disease management
Chhata	Chaumuhan	Bharatia	Bajra Jawar Wheat Berseem Til Mustard Barley & AH	20 15 42 - 2.3 22 30 -	Weeds in crops Low productivity of Cereals, Oilseeds & Fodder Pest & disease in crops	Weed management, Balance use of fertilizers Use of micronutrient & liquid fertilizers Introduction of new HYV Pest & Disease management
Chhata	Chhata	Khanpur Bhadawal	Paddy Wheat	35 42	Burning of Paddy straw and low productivity	Weed management, Balance use of fertilizers Use of micronutrient & liquid fertilizers Introduction of new HYV Pest & Disease management and Crop Residue Management

## 2.6 Top five major priority thrust areas:

- Improving productivity of oil seeds crops.
- Weed management in crops
- Promotion of IPNM & balance use of fertilizer
- Promotion of IPM technology
- Development of the technologies for the use of brackish water

### 3. TECHNICAL PROGRAMME

#### 2. A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
12	60	100	250

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
100	2000	462	10000

Seed Production (Qtl.)	Planting material production (Nos.)	Fish seed prod. (Nos)	Soil Samples analyzed (Nos.)	Development of Soil Health Cards (Nos.)
(5)	(6)	(7)	(8)	(9)
200	20000	-	1000-1200	3000

Quality seed distributed (q)	No. of saplings distributed (Nos.)	No. of fingerlings distributed (Nos.)	No. of livestock & poultry strains distributed (Nos.)
(10)	(11)	(12)	(13)
200	20000	-	-

#### 3. B. Abstract of interventions to be undertaken

S. No	Thrust area	Crop/Enterprises	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Pest management	Paddy	Low yield of Paddy due to heavy infestation of stem borer	Assessment of efficacy of Coragen and Cartap Hydrachloride	-	Managemen t of stem borer in Paddy	Management of stem borer in Paddy	Field day	Insecticide
2	Varietal Assessment	Paddy	Low yield of Paddy due to cultivation of old varieties	Assessment of newly released Paddy variety PB-1847	-	Scientific cultivation of scented Paddy	Scientific cultivation of scented Paddy	Field day	Seed of PB-1847

3	Varietal Assessment	Wheat	Low yield of wheat due to cultivation of old variety	Introduction of new wheat variety HD-3385	-	Scientific cultivation of Wheat	Scientific cultivation of Wheat	Field day	Seed of new Wheat variety HD-3385
4	Soil Health Management (IPNM)	Paddy	Low yield of Paddy due to cultivation of old variety	Assessment of newly released Paddy variety CS-60 tolerant for salinity	-	Scientific cultivation of salt tolerant variety Paddy	Scientific cultivation of salt tolerant variety Paddy	Field day	Seed of CS-60
5	Soil Health Management (IPNM)	Wheat	Low yield of Wheat due to cultivation of old variety	Assessment of newly released Wheat variety KRL-283 tolerant for salinity	-	Scientific cultivation of salt tolerant variety Wheat	Scientific cultivation of salt tolerant variety Wheat	Field day	Seed of KRL-283
6	Vegetable production	Okra	Low yield of Okra due to mosaic	Evaluation of mosaic resistant & HYV of Okra Kashi Shristi in Kharif	-	Importance of HYV of Okra	Scientific cultivation of Okra	Field day	Seed of Kashi Shristi
7	Vegetable production	Bottle Gourd in Kharif	Low yield of Bottle gourd due to use of traditional varieties	Assessment of new HYV of Bottle gourd Pusa Hybrid 3	-	Promotion Of Pusa Hybrid 3 variety of Bottle Gourd	Yield enhancement	Field day	Seed of Pusa Hybrid 3
8	Vegetable production	Cauliflower	Poor quality & low productivity of Cauliflower	Performance of Pusa Hybrid 102 variety of Cauliflower in Rabi	-	Importance of HYV	Importance of HYV	Field Day	Seed of Pusa Hybrid 102 Variety
9	Vegetable production	Cabbage	Low yield & poor keeping quality	Assessment of HYV Pusa Hybrid 82 of Cabbage in Rabi	-	Scientific cultivation of Cabbage	Scientific cultivation of Cabbage	Field Day	Seed of Pusa Hybrid 82 variety of Cabbage
10	Varietal assessment cum insect management	Paddy	Low yield of Paddy due to traditional variety and attack of stem borer	Assessment of new variety PB-1847 and efficacy of Coragen & Cartap Hydrachloride	-	Control of stem borer	Management of stem borer	Field Day	Seed + insecticide
11	Vegetable production	Potato	Low yield of Potato due to old variety & attack of late blight	Assessment of new variety Kufri Pukhraj and efficacy of Azoxystrobin 11 % +Tebuconazole 18.3 w/w sc @ 1 ml/lt.	-	Management of late blight in Potato	Management of late blight in Potato	Field day	Azoxystrobin 11 % +Tebuconazole 18.3 w/w sc @ 1 ml/lt.



12	Vegetable production	Cauliflower	Browning and whiptail in cauliflower	Use of balance fertilizer in Cauliflower	-	Fertilizer management in cauliflower	Fertilizer management in cauliflower	Field day	Boron & Sulphure
S. No	Thrust area	Crop/Enterprises	Identified Problem	Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
13	Productivity enhancement	Bajra Poiner 86M90	Low production of Bajra due to cultivation of old variety	-	Performance of hybrid variety of Bajra	Scientific cultivation of hybrid Bajra	Scientific cultivation of hybrid Bajra	Field day	Seed of Bajra new variety Poiner 86M90
14	Productivity enhancement	Paddy PB-1692	Low productivity of Paddy due to cultivation of old variety	-	Performance of hybrid variety of Paddy	Scientific cultivation of hybrid Paddy	Scientific cultivation of hybrid Paddy	Field day	Seed of Paddy variety PB 1692
15	Productivity enhancement	Okra Pusa Bhindi 5	Low yield of Okra due to Mosaic	-	Performance of new mosaic resistant okra variety	Scientific cultivation of Okra	Scientific cultivation of Okra	Field day	Seed of Okra Pusa Bhindi 5
16	Productivity enhancement	Onion NHRDF Red 4	Low productivity of Onion due to cultivation of old variety	-	Performance of new onion variety	Scientific cultivation of onion	Scientific cultivation of onion	Field day	Seed of onion NHRDF Red 4
17	Soil Health Management	Paddy PB 1509	Low productivity of Paddy due imbalance use of fertilizer	-	Balance use of fertilizer	Scientific cultivation of Paddy	Scientific cultivation of Paddy	Field day	Liquid NPK
18	Soil Health Management	Wheat HD-3086	Low productivity of Wheat due imbalance use of fertilizer	-	Balance use of fertilizer	Scientific cultivation of Wheat	Scientific cultivation of Wheat	Field day	Liquid NPK
20	Varietal Evaluation	Wheat HD-3086	Low productivity of Wheat due to cultivation of old variety	-	Performance of new HYV of Wheat HD-3086	Scientific cultivation of Wheat	Scientific cultivation of Wheat	Field day	Seed of Wheat variety HD-3086

### 3.1 Technologies to be assessed

A.1 Abstract on the number of technologies to be assessed in respect of **crops**

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietals Evaluation	1	-	-	-	-	-	-	-	-	1
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	1	-	-	-	-	-	-	-	-	1
Integrated Crop Management	2	1	-	-	1	-	-	-	-	4
Integrated Nutrient Management	2	-	-	-	1	-	-	-	-	3
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	2	-	-	-	-	-	-	-	-	2
Post harvest technology	2	-	-	-	-	-	-	-	-	2
Farm machineries	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	1	-	-	-	-	1
Integrated Pest Management	-	-	-	-	1	-	-	-	-	1
Integrated Disease Management	2	-	-	1	-	-	-	-	-	3
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>12</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>18</b>

## A.2. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of breed	-	-	-	-	-	-	-	-
Nutritional management	-	-	-	-	-	-	-	-
Disease management	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-
Production management	-	-	-	-	-	-	-	-
Feed & Fodder	-	-	-	-	-	-	-	-

Small scale income generating enterprises	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-

## B. Details of On Farm Trials to be conducted during Kharif 2024

### OFT-1 Thematic Area-Insect and Pest management in Paddy

Particulars	Contents
<b>Title</b>	Assessment of Coragen and Cartap Hydrachloride to manage stem borer in Paddy
<b>Problem diagnosed</b>	Low yield of Paddy due to heavy infestation of stem borer
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1:</b> Use of Cypermethrin and Chloropyriphos ( <b>Farmers Practice</b> ) <b>T2:</b> Coragen @ 60 ml per acre + Cartap 50 % @ 100 gm per acre
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Coragen @ 60 ml per acre + Cartap 50 % @ 100 gm per acre
<b>Production system</b>	Moong-Paddy, Fellow-Paddy
<b>Source of technology</b>	PAU, Ludhiana
<b>Total Cost</b>	3000.00
<b>Observation to be recorded</b>	Control of stem borer per sqm and yield
<b>Reaction of the farmers</b>	Acceptability

### OFT-2 Thematic Area-Varietal Evaluation (Paddy) (Kharif -2024)

Particulars	Contents
<b>Title</b>	Assessment of newly released Paddy variety PB-1847
<b>Problem diagnosed</b>	Low yield of Paddy due to cultivation of old varieties viz PB-1509, 1121
<b>Micro farming situation</b>	Irrigated
<b>Details of technology</b>	<b>T1:</b> Cultivation of PB-1509, 1121 ( <b>Farmers Practice</b> )

<b>identified for solution</b>	<b>T2:</b> Introduction of newly released Paddy variety PB-1847
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Seed of PB-1847 (Year of release: 2021)
<b>Production system</b>	Bajra-Wheat Jawar-Wheat
<b>Source of technology</b>	CSSRI, Karnal
<b>Total Cost</b>	3000.00
<b>Observation to be recorded</b>	Yield q/ha
<b>Reaction of the farmers</b>	Acceptability

### OFT-3 Thematic Area-Varietal Evaluation (Rabi 2024-25)

Particulars	Contents
<b>Title</b>	Assessment of newly released Wheat variety HD-3385
<b>Problem diagnosed</b>	Low yield of Wheat due to cultivation of old varieties viz PBW-505, PBW-550
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1:</b> Cultivation of PBW-505, PBW-550 ( <b>Farmers Practice</b> ) <b>T2:</b> Introduction of newly released Wheat variety HD-3385
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Seed of HD-3385 (Year of release: 2022)
<b>Production system</b>	Bajra-Wheat Jawar-Wheat
<b>Source of technology</b>	IARI, New Delhi
<b>Total Cost</b>	4000.00
<b>Observation to be recorded</b>	Yield q/ha
<b>Reaction of the farmers</b>	Acceptability

### OFT-4 Thematic Area-Varietal Evaluation (Kharif -2024)-Soil Science

Particulars	Contents
<b>Title</b>	Assessment of newly released Paddy variety CSR-60 suitable for saline soil.
<b>Problem diagnosed</b>	Low yield of Paddy due to cultivation of traditional varieties viz PB-1509, 1121
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1:</b> Cultivation of PB-1509, 1121 ( <b>Farmers Practice</b> ) <b>T2:</b> Introduction of newly released Paddy variety CSR-60 tolerant against salinity
<b>No. of farmers</b>	5
<b>Replications</b>	2

<b>Critical inputs</b>	Seed of CSR-60 (Year of release: 2019)
<b>Production system</b>	Bajra-Wheat    Jawar-Wheat
<b>Source of technology</b>	CSSRI, Karnal / Lucknow
<b>Total Cost</b>	3000.00
<b>Observation to be recorded</b>	Yield q/ha
<b>Reaction of the farmers</b>	Acceptability

### OFT-5 Thematic Area-Varietal Evaluation (Rabi 2024-25)-Soil Science

Particulars	Contents
<b>Title</b>	Assessment of newly released Wheat variety KRL-283
<b>Problem diagnosed</b>	Low yield of Wheat due to cultivation of old varieties viz PBW-505, PBW-343
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1:</b> Cultivation of PBW-505, PBW-343 ( <b>Farmers Practice</b> ) <b>T2:</b> Introduction of newly released Wheat variety KRL-283
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Seed of KRL-283(Year of release: 2018)
<b>Production system</b>	Bajra-Wheat    Jawar-Wheat
<b>Source of technology</b>	CSSRI, Karnal
<b>Total Cost</b>	4000.00
<b>Observation to be recorded</b>	Yield q/ha
<b>Reaction of the farmers</b>	Acceptability

### OFT-6 Varietal Evaluation (Kharif 2024)

Particulars	Contents
<b>Title</b>	Assessment of mosaic resistant and high yielding variety of Okra-Kashi Shristi-F1 hybrid in Kharif
<b>Problem diagnosed</b>	Low yield of Okra due to high infestation of yellow vein mosaic virus
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1:</b> NS-862 ( <b>Farmers Practice</b> ) <b>T2:</b> Seed of Kashi Shristi-F1 hybrid variety resistant to YVMV and OLCV

<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Seed of Kashi Shristi-F1 hybrid (Year of released: 2019)
<b>Production system</b>	Potato-Okra
<b>Source of technology</b>	IIVR, Varanasi
<b>Total Cost</b>	5000.00
<b>Observation to be recorded</b>	No. of infested plants per sqm, Fruits yield / ha.
<b>Reaction of the farmers</b>	Affordability, Acceptability & Availability

### OFT-7 Varietal Evaluation (Kharif-2024)

Particulars	Contents
<b>Title</b>	Assessment of high yielding variety of Bottle Gourd in Kharif season
<b>Problem diagnosed</b>	Low yield and poor quality
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1:</b> Alok (Sri ram seed) ( <b>Farmers Practice</b> ) <b>T2:</b> Seed of Pusa hybrid 3
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Seed of Pusa hybrid 3 Variety (Year of released: 2021)
<b>Production system</b>	Wheat-Bottle Gourd
<b>Source of technology</b>	IARI, Pusa, New Delhi
<b>Total Cost</b>	5000.00
<b>Observation to be recorded</b>	Yield q/ha. B/C ratio
<b>Reaction of the farmers</b>	Affordability, Acceptability & Availability

### OFT-8 Varietal Evaluation (Rabi 2024-25)

Particulars	Contents
<b>Title</b>	Assessment of Pusa hybrid 102 variety of Cauliflower in Rabi
<b>Problem diagnosed</b>	Poor quality & Low productivity of Cauliflower
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1:</b> Safeda-Bejo hybrid seed ( <b>Farmers Practice</b> ) <b>T2:</b> Seed of Pusa hybrid 102 Variety of Cauliflower
<b>No. of farmers</b>	5

<b>Replications</b>	2
<b>Critical inputs</b>	Seed of Pusa hybrid 102 Variety (Year of released: 2022)
<b>Production system</b>	Cauliflower -Wheat
<b>Source of technology</b>	IARI, Pusa, New Delhi
<b>Total Cost</b>	5000.00
<b>Observation to be recorded</b>	Yield q./ha, B/C Ratio
<b>Reaction of the farmers</b>	Affordability, Acceptability & Availability

### OFT-9 Varietal Evaluation (Rabi 2024-25)

Particulars	Contents
<b>Title</b>	Assessment of high yielding variety of Cabbage in Rabi season in cropping system
<b>Problem diagnosed</b>	Low yield and poor keeping quality
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1:</b> Golden Acre ( <b>Farmers Practice</b> ) <b>T2:</b> Seed of Pusa Hybrid 82
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Seed of Pusa Hybrid 82 Variety (Year of released: 2021)
<b>Production system</b>	Wheat-Bajra-Onion
<b>Source of technology</b>	IARI, Pusa, New Delhi
<b>Total Cost</b>	3000.00
<b>Observation to be recorded</b>	Yield q/ha., B/C ratio
<b>Reaction of the farmers</b>	Affordability, Acceptability & Availability

### COMPOSIT ON FARM TESTINGS

#### OFT-1 Varietal Evaluation and insect management (Kharif 2024)

Particulars	Contents
<b>Title</b>	Assessment of yield of new Paddy variety PB-1847 and management of stem



	borer
<b>Problem diagnosed</b>	Yield is highly affected due to cultivation of traditional variety and severe attack of stem borer
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1: PB-1509 (Farmers Practice)</b> <b>T2: PB-1847</b>
	<b>T1: Use of Cypermethrin+Chloropyriphos (Farmers Practice)</b> <b>T2: Use of Coragen @ 60 ml/acre and Cartep Hydrachloride 50 % @ 100 gm/acre</b>
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Seed+ Coragen and Cartep Hydrachloride 50 %
<b>Production system</b>	Fellow+Paddy+Wheat
<b>Source of technology</b>	CSSRI, Karnal
<b>Total Cost</b>	8000.00
<b>Observation to be recorded</b>	Yield q/ha., Control of stem borer per sqm. & BC ratio
<b>Reaction of the farmers</b>	Affordability, Acceptability & Availability

**OFT-2 Yield and Quality of Potato is affected due to cultivation of traditional variety and attack of Late blight (Rabi 2024-25)**

Particulars	Contents
<b>Title</b>	Poor quality and yield due to use of traditional variety and attack of Late blight
<b>Problem diagnosed</b>	Poor quality and attack of Late blight
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1: Use of Kufri Bahar (3797) (Farmers Practice)</b> <b>T2: Use of Kufri Surya or Kufri Pukhraj</b>
	<b>T1: Use of Mencozeb 75 % WP@ 2 gm/Lt. (Farmers Practice)</b> <b>T2: Azoxystrobin 11% +Tebuconazole 18.3% W/W SC @ 1 ml/Lt.</b>
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Azoxystrobin 11% +Tebuconazole 18.3% W/W SL @ 1 ml/Lt.
<b>Production system</b>	Moong+Bajra+Potato
<b>Source of technology</b>	CPRI, Shimla
<b>Total Cost</b>	8000.00
<b>Observation to be recorded</b>	Yield q/ha., Control of late blight, % increase in yield
<b>Reaction of the farmers</b>	Affordability, Acceptability & Availability

**OFT-3 Yield and quality of cauliflower is affected due to use of old variety and imbalance use of fertilizer (Rabi 2024-25)**

Particulars	Contents
<b>Title</b>	Poor quality and yield of cauliflower due to use of old variety and imbalance use of fertilizer
<b>Problem diagnosed</b>	Yield is highly affected due to cultivation of traditional variety and imbalance use of fertilizer
<b>Micro farming situation</b>	Irrigated
<b>Details of technology identified for solution</b>	<b>T1:</b> Safeda-Bijo (Hybrid) ( <b>Farmers Practice</b> ) <b>T2:</b> Pusa hybrid 102
	<b>T1:</b> No use of Boron and Molybdenum ( <b>Farmers Practice</b> ) <b>T2:</b> Use of Boron and Molybdenum with recommended dose of NPK
<b>No. of farmers</b>	5
<b>Replications</b>	2
<b>Critical inputs</b>	Seed+ Boron and Molybdenum
<b>Production system</b>	Moong+Bajra+Cauliflower
<b>Source of technology</b>	IARI, PUSA, New Delhi
<b>Total Cost</b>	8000.00
<b>Observation to be recorded</b>	Yield q/ha., Control of buttoning and whiptail & BC ratio
<b>Reaction of the farmers</b>	Affordability, Acceptability & Availability

### 3.2 Frontline Demonstrations

#### A. Details of FLDs to be organized-

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmer/ Demon	Parameters identified
1	Bajra	Poioneer 86M90	Productivity enhancement	New variety Poioneer 86M90	Seed	Kharif 2024	15	35	Yield q./ha.
2	Paddy	PB 1692	Productivity enhancement	Performance of Paddy variety PB 1692	Seed	Kharif 2024	15	40	Yield q./ha.
3	Okra	Pusa Bhindi-5	Productivity enhancement	Pusa Bhindi-5	Seed	Kharif 2024	10	25	Yield q./ha.
4	Onion	NHRDF Red-4	Productivity enhancement	NHRDF Red-4	Seed	Rabi 2024-25	10	25	Yield q./ha.
5	Paddy	PB-1509	Soil health management	Supplementation of nitrogen by using Nano liquid urea in paddy crop	Nano urea	Kharif 2024	10	25	Yield
6	Wheat	HD-3086	Soil health management	Supplementation of nitrogen by using Nano liquid urea in Wheat crop	Nano urea	Rabi 2024-25	10	25	Yield
7	Mustard	RH-725	Productivity enhancement	Performance of Mustard variety RH-725	Seed+ Bio-fertilizer	Rabi 2024-25	15	45	Yield q./ha.
8	Wheat	HD-3086	Varietal evaluation	Performance of newly released Wheat variety HD-3086	Seed	Rabi 2024-25	15	30	Yield q./ha.
					<b>Total</b>		<b>100</b>	<b>250</b>	<b>-</b>

#### B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	3	Aug, Jan & Feb	150
2	Farmers Training	4	May, Sep & Oct.	80
3	Media coverage	-	-	-
4	Training for extension functionaries	3	May, Sep & Oct.	45

### C. Details of FLD on Enterprises

#### (i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators

#### (ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
Livestock production and management					
Livestock production and management					

### 3.3 Training (Including the sponsored and FLD training programmes):

#### ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	32	0	32	8	0	8	40
Resource Conservation Technologies	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0
Integrated Farming	2	32	0	32	8	0	8	40
Water management	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0
Nursery management of Paddy	2	32	0	32	8	0	8	40
Integrated Crop Management	2	32	0	32	8	0	8	40
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
Total	8	128	0	128	32	0	32	160
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	0	0	0	0	0	0	0	0
Off-season vegetables	1	15	2	17	3	0	3	20
Nursery raising	1	16	4	20	3	2	5	25
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization	1	16	4	20	3	2	5	25
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0
b) Fruits	0	0	0	0	0	0	0	0
Training and Pruning	1	14	2	16	3	1	4	20
Layout and Management of Orchards	1	16	0	16	4	0	4	20
Cultivation of Fruit	0	0	0	0	0	0	0	0

Management of young plants/orchards	1	10	3	13	5	2	7	20
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0
Plant propagation techniques	1	14	2	16	3	1	4	20
<b>c) Ornamental Plants</b>	0	0	0	0	0	0	0	0
Nursery Management	1	20	2	22	3	0	3	25
Management of potted plants	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
<b>d) Plantation crops</b>	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
<b>e) Tuber crops</b>	0	0	0	0	0	0	0	0
Production and Management technology	1	15	2	17	5	3	8	25
Processing and value addition	0	0	0	0	0	0	0	0
<b>f) Spices</b>	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
<b>g) Medicinal and Aromatic Plants</b>	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0
<b>Total</b>	<b>9</b>	<b>136</b>	<b>21</b>	<b>157</b>	<b>32</b>	<b>11</b>	<b>43</b>	<b>200</b>
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	13	2	15	4	1	5	20
Soil and Water Conservation	1	13	2	15	4	1	5	20
Integrated Nutrient Management	1	13	2	15	4	1	5	20
Production and use of organic inputs	1	13	2	15	4	1	5	20
Management of Problematic soils	1	13	2	15	4	1	5	20
Micro nutrient deficiency in crops	1	13	2	15	4	1	5	20
Nutrient Use Efficiency	1	13	2	15	4	1	5	20
Soil and Water Testing	1	13	2	15	4	1	5	20
<b>Total</b>	<b>8</b>	<b>104</b>	<b>16</b>	<b>120</b>	<b>32</b>	<b>8</b>	<b>40</b>	<b>160</b>
<b>IV Livestock Production and Management</b>								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management								
Feed management								
Production of quality animal products								
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	4	11	15	1	4	5	20
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	1	0	15	15	0	5	5	20
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	1	4	11	15	1	4	5	20
Storage loss minimization techniques	1	4	11	15	1	4	5	20
Value addition	1	0	15	15	0	5	5	20
Income generation activities for empowerment of rural Women	1	0	15	15	0	5	5	20
Location specific drudgery reduction technologies	1	0	15	15	0	5	5	20
Rural Crafts	1	0	15	15	0	5	5	20
Women and child care	1	0	15	15	0	5	5	20
Processing & cooking	1	0	15	15	0	5	5	20
<b>Total</b>	<b>10</b>	<b>12</b>	<b>138</b>	<b>150</b>	<b>3</b>	<b>47</b>	<b>50</b>	<b>200</b>
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
<b>VII Plant Protection</b>								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
<b>VIII Fisheries</b>								
Integrated fish farming								

Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
<b>IX Production of Inputs at site</b>								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development								
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital								
Entrepreneurial development of farmers/youths								
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems								
<b>TOTAL</b>	<b>35</b>	<b>380</b>	<b>175</b>	<b>555</b>	<b>99</b>	<b>66</b>	<b>165</b>	<b>720</b>
<b>B) RURAL YOUTH</b>								
Mushroom Production	0	0	0	0	0	0	0	0
Bee-keeping	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0
Seed production	1	8		8	2		2	10
Production of organic inputs	0	0	0	0	0	0	0	0
Integrated Farming (Medicinal)	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0
Vermi-culture	1	8		8	2		2	10
Sericulture	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	1	8		8	2		2	10
Training and pruning of orchards	0	0	0	0	0	0	0	0
Value addition	1	8		8	2		2	10
Production of quality animal products	0	0	0	0	0	0	0	0
Dairying	1	8		8	2		2	10
Sheep and goat rearing	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0



Post Harvest Technology	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>5</b>	<b>40</b>	<b>0</b>	<b>40</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>50</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	1	20		20	5	0	5	25
Integrated Pest Management	0	0	0	0	0	0	0	0
Integrated Nutrient management	1	20	0	20	5	0	5	25
Rejuvenation of old orchards	1	20	0	20	5	0	5	25
Protected cultivation technology	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
Management in farm animals	1	20	0	20	5	0	5	25
Livestock feed and fodder production	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0
Women and Child care	1	0	20	20	0	5	5	25
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Any other (Pl. Specify)	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>5</b>	<b>80</b>	<b>20</b>	<b>100</b>	<b>20</b>	<b>5</b>	<b>25</b>	<b>125</b>
<b>G. Total</b>	<b>45</b>	<b>500</b>	<b>195</b>	<b>695</b>	<b>129</b>	<b>71</b>	<b>200</b>	<b>895</b>

#### A) OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	16	0	16	4	0	4	20
Resource Conservation Technologies	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0
Integrated Farming	2	32	0	32	8	0	8	40
Water management	3	48	0	48	12	0	12	60
Seed production	0	0	0	0	0	0	0	0
Nursery management	1	16	0	16	4	0	4	20
Integrated Crop Management	3	48	0	48	12	0	12	60
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
Total	10	160	0	160	40	0	40	200
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	0	0	0	0	0	0	0	0
Off-season vegetables	1	15	2	17	3	0	3	20
Nursery raising	1	16	4	20	3	2	5	25
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization	1	16	4	20	3	2	5	25
Protective cultivation (Green Houses, Shade Net etc.)	1	20	2	22	3	0	3	25
b) Fruits	0	0	0	0	0	0	0	0
Training and Pruning	1	14	2	16	3	1	4	20

Layout and Management of Orchards	1	16	0	16	4	0	4	20
Cultivation of Fruit	1	18	2	20	4	1	5	25
Management of young plants/orchards	1	10	3	13	5	2	7	20
Rejuvenation of old orchards	1	17	1	18	7	0	7	25
Export potential fruits	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	1	15	4	19	1	0	1	20
Plant propagation techniques	1	16	2	18	5	2	7	25
<b>c) Ornamental Plants</b>	0	0	0	0	0	0	0	0
Nursery Management	1	20	2	22	3	0	3	25
Management of potted plants	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
<b>d) Plantation crops</b>	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
<b>e) Tuber crops</b>	0	0	0	0	0	0	0	0
Production and Management technology	1	15	2	17	5	3	8	25
Processing and value addition	0	0	0	0	0	0	0	0
<b>f) Spices</b>	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
<b>g) Medicinal and Aromatic Plants</b>	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0
<b>Total</b>	<b>13</b>	<b>208</b>	<b>30</b>	<b>238</b>	<b>49</b>	<b>13</b>	<b>62</b>	<b>300</b>
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	13	2	15	4	1	5	20
Soil and Water Conservation	1	13	2	15	4	1	5	20
Integrated Nutrient Management	1	13	2	15	4	1	5	20
Production and use of organic inputs	1	13	2	15	4	1	5	20
Management of Problematic soils	1	13	2	15	4	1	5	20
Micro nutrient deficiency in crops	1	13	2	15	4	1	5	20
Nutrient Use Efficiency	1	13	2	15	4	1	5	20
Soil and Water Testing	1	13	2	15	4	1	5	20
<b>Total</b>	<b>8</b>	<b>104</b>	<b>16</b>	<b>120</b>	<b>32</b>	<b>8</b>	<b>40</b>	<b>160</b>
<b>IV Livestock Production and Management</b>								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management /goat								
Disease Management								
Feed management								
Production of quality animal products								
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	4	11	15	1	4	5	20
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	1	0	15	15	0	5	5	20
Minimization of nutrient loss in processing	1		15	15	0	5	5	20
Gender mainstreaming through SHGs	1	4	11	15	1	4	5	20
Storage loss minimization techniques	1	4	11	15	1	4	5	20
Value addition	1		15	15	0	5	5	20
Income generation activities for empowerment of rural Women	1	0	15	15	0	5	5	20
Location specific drudgery reduction technologies	1	0	15	15	0	5	5	20
Rural Crafts	1	0	15	15	0	5	5	20
Women and child care	1	0	15	15	0	5	5	20
Processing & cooking	1	0	15	15	0	5	5	20
<b>Total</b>	<b>11</b>	<b>0</b>	<b>153</b>	<b>165</b>	<b>3</b>	<b>52</b>	<b>55</b>	<b>220</b>
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								

Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
<b>VII Plant Protection</b>								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
<b>VIII Fisheries</b>								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
<b>IX Production of Inputs at site</b>								
Seed Production								
Planting material production (Horti.)								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production (Horti.)								
Organic manures production (A.S.)								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								

<b>X Capacity Building and Group Dynamics</b>								
Leadership development	3	52	0	52	8	0	8	60
Group dynamics	1	18	0	18	2	0	2	20
Formation and Management of SHGs(HS)	3	52	0	52	8	0	8	60
Mobilization of social capital	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths (Agro.)	3	52	0	52	8	0	8	60
WTO and IPR issues	0	0	0	0	0	0	0	0
<b>Total</b>	<b>10</b>	<b>174</b>	<b>0</b>	<b>174</b>	<b>26</b>	<b>0</b>	<b>26</b>	<b>200</b>
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>52</b>	<b>646</b>	<b>199</b>	<b>857</b>	<b>150</b>	<b>73</b>	<b>223</b>	<b>1080</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
<b>TOTAL</b>								
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	1	20	0	20	5	0	5	25
Integrated Pest Management	0	0	0	0	0	0	0	0
Integrated Nutrient management	1	20	0	20	5	0	5	25
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Protected cultivation technology	1	20	0	20	5	0	5	25
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0
Livestock feed and fodder production	1	20	0	20	5	0	5	25
Household food security	1	0	20	20	0	5	5	25
Women and Child care	0	0	0	0	0	0	0	0

Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Any other (Pl. Specify)	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>5</b>	<b>80</b>	<b>20</b>	<b>100</b>	<b>20</b>	<b>5</b>	<b>25</b>	<b>125</b>
<b>G Total</b>	<b>57</b>	<b>726</b>	<b>219</b>	<b>957</b>	<b>170</b>	<b>78</b>	<b>248</b>	<b>1205</b>

**C) Consolidated table (ON and OFF Campus)**

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	3	48	0	48	12	0	12	60
Resource Conservation Technologies	0	0	0	0	0	0	0	0
Cropping Systems	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0
Integrated Farming	4	64	0	64	16	0	16	80
Water management	3	48	0	48	12	0	12	60
Seed production	0	0	0	0	0	0	0	0
Nursery management	3	48	0	48	12	0	12	60
Integrated Crop Management	5	80	0	80	20	0	20	100
Fodder production	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0
Total	18	288	0	288	72	0	72	360
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	0	0	0	0	0	0	0	0
Off-season vegetables	2	30	4	34	6	0	6	40
Nursery raising	2	32	8	40	6	4	10	50
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0
Grading and standardization	2	32	8	40	6	4	10	50
Protective cultivation (Green Houses, Shade Net etc.)	1	20	2	22	3	0	3	25
b) Fruits								
Training and Pruning	2	28	4	32	6	2	8	40
Layout and Management of Orchards	2	32	0	32	8	0	8	40
Cultivation of Fruit	1	18	2	20	4	1	5	25
Management of young plants/orchards	2	20	6	26	10	4	14	40
Rejuvenation of old orchards	1	17	1	18	7	0	7	25
Export potential fruits	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	2	31	6	37	6	2	8	45
Plant propagation techniques	2	30	4	34	8	3	11	45
c) Ornamental Plants								
Nursery Management	1	20	2	22	3	0	3	25
Management of potted plants	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
d) Plantation crops								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
e) Tuber crops								
Production and Management technology	2	30	4	34	10	6	16	50
Processing and value addition	0	0	0	0	0	0	0	0
f) Spices								
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants								
Nursery management	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0

Post harvest technology and value addition	0	0	0	0	0	0	0	0
<b>Total</b>	<b>22</b>	<b>340</b>	<b>51</b>	<b>391</b>	<b>83</b>	<b>26</b>	<b>109</b>	<b>500</b>
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	2	26	4	30	8	2	10	40
Soil and Water Conservation	2	26	4	30	8	2	10	40
Integrated Nutrient Management	2	26	4	30	8	2	10	40
Production and use of organic inputs	2	26	4	30	8	2	10	40
Management of Problematic soils	2	26	4	30	8	2	10	40
Micro nutrient deficiency in crops	2	26	4	30	8	2	10	40
Nutrient Use Efficiency	2	26	4	30	8	2	10	40
Soil and Water Testing	2	26	4	30	8	2	10	40
<b>Total</b>	<b>16</b>	<b>208</b>	<b>32</b>	<b>240</b>	<b>64</b>	<b>16</b>	<b>80</b>	<b>320</b>
<b>IV Livestock Production and Management</b>								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management								
Feed management								
Production of quality animal products								
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	2	8	22	30	2	8	10	40
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	2	0	30	30	0	10	10	40
Minimization of nutrient loss in processing	1	0	15	15	0	5	5	20
Gender mainstreaming through SHGs	2	8	22	30	2	8	10	40
Storage loss minimization techniques	2	8	22	30	2	8	10	40
Value addition	2	0	30	30	0	10	10	40
Income generation activities for empowerment of rural Women	2	0	30	30	0	10	10	40
Location specific drudgery reduction technologies	2	0	30	30	0	10	10	40
Rural Crafts	2	0	30	30	0	10	10	40
Women and child care	2	0	30	30	0	10	10	40
Processing & Cooking	2	0	30	30	0	10	10	40
<b>TOTAL</b>	<b>21</b>	<b>24</b>	<b>291</b>	<b>315</b>	<b>6</b>	<b>99</b>	<b>105</b>	<b>420</b>
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	3	52	0	52	8	0	8	60
Group dynamics	1	18	0	18	2	0	2	20
Formation and Management of SHGs(HS)	3	52	0	52	8	0	8	60
Mobilization of social capital	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths (Agro.)	3	52	0	52	8	0	8	60
WTO and IPR issues	0	0	0	0	0	0	0	0
<b>Total</b>	<b>10</b>	<b>174</b>	<b>0</b>	<b>174</b>	<b>26</b>	<b>0</b>	<b>26</b>	<b>200</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	0	0	0	0	0	0	0	0
Bee-keeping	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0
Seed production	1	8	0	8	2	0	2	10
Production of organic inputs	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0
Vermi-culture	1	8	0	8	2	0	2	10
Sericulture	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	1	8	0	8	2	0	2	10
Training and pruning of orchards	0	0	0	0	0	0	0	0
Value addition	1	8	0	8	2	0	2	10
Production of quality animal products	0	0	0	0	0	0	0	0
Dairying	1	8	0	8	2	0	2	10
Sheep and goat rearing	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0

Shrimp farming	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>5</b>	<b>40</b>	<b>0</b>	<b>40</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>50</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	2	40	0	40	10	0	10	50
Integrated Pest Management	0	0	0	0	0	0	0	0
Integrated Nutrient management	2	40	0	40	10	0	10	50
Rejuvenation of old orchards	1	20	0	20	5	0	5	25
Protected cultivation technology	1	20	0	20	5	0	5	25
Formation and Management of SHGs	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0
Management in farm animals	2	40	0	40	10	0	10	50
Livestock feed and fodder production	0	0	0	0	0	0	0	0
Household food security	1	0	20	20	0	5	5	25
Women and Child care	1	0	20	20	0	5	5	25
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0
Any other (Pl. Specify)	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>10</b>	<b>160</b>	<b>40</b>	<b>200</b>	<b>40</b>	<b>10</b>	<b>50</b>	<b>250</b>
<b>G. Total</b>	<b>102</b>	<b>1234</b>	<b>414</b>	<b>1648</b>	<b>301</b>	<b>151</b>	<b>452</b>	<b>2100</b>



### 3.4. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	6	285	25	310	22	-	22	307	25	332
Kisan Mela	1	410	40	450	25	-	25	435	40	475
Kisan Ghosthi	5	400	50	450	50	-	50	450	50	500
Exhibition	1	1200	150	1350	80	-	80	1280	150	1430
Film Show	-	-	-	-	-	-	-	-	-	-
Farmers Seminar	-	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-
Group meetings	20	200	20	220	20	-	20	220	20	240
Lectures delivered as resource persons	50	-	-	-	-	-	-	-	-	50
Newspaper coverage	50	-	-	-	-	-	-	-	-	50
Radio talks	15	-	-	-	-	-	-	-	-	15
TV talks	6	-	-	-	-	-	-	-	-	6
Popular articles										
Extension Literature	8	-	-	-	-	-	-	-	-	8
<b>Advisory Services</b>										
Scientific visit to farmers field	50	50	10	60	20	-	20	70	10	80
Farmers visit to KVK	200	200	-	200	40	-	40	240	-	240
Diagnostic visits	20	20	-	20	5	-	5	25	-	25
Exposure visits										
Ex-trainees Sammelan										
Soil health Camp	1	200	50	250	-	-	-	200	50	250
Animal Health Camp	1	70	25	95	1	-	1	71	25	96
Agri mobile clinic										
Soil test campaigns	2	150	-	150	20	-	20	170	-	170
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)	4	400	100	500	50	-	50	450	100	550
Krishi Mohostva	-	-	-	-	-	-	-	-	-	-
Krishi Rath	-	-	-	-	-	-	-	-	-	-
Pre Kharif workshop	1	100	25	125	10	-	10	110	25	135
Pre Rabi workshop	1	100	25	125	10	-	10	110	25	135
PPVFRA workshop	-	-	-	-	-	-	-	-	-	-
Any Other (Specify)	-	-	-	-	-	-	-	-	-	-
PMFBY Sammelan	-	-	-	-	-	-	-	-	-	-
Soil Health Cards Distribution	-	2500	500	3000	-	-	-	2500	500	3000
Jal Shakti Mission	10	1265	212	1487	190	-	190	1455	212	1667

CRM	10	1410	240	1650	180	-	180	1590	240	1830
<b>Total</b>	<b>462</b>	<b>8960</b>	<b>1472</b>	<b>10442</b>	<b>723</b>	<b>-</b>	<b>723</b>	<b>9683</b>	<b>1472</b>	<b>11284</b>

### 3.5 Target for Production and supply of Technological products SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (q.)
<b>CEREALS</b>	Wheat	HD-3086	300
<b>OILSEEDS</b>	Til	Tarun	10
<b>PULSES</b>			
<b>VEGETABLES</b>			
<b>OTHERS (Specify)</b>			

### PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
<b>FRUITS</b>	Papaya	Pusa Dwarf	500
	Guava	Lalit	500
	Aonla	N-7	500
	Ber	Umran	500
	Bel	-	500
<b>SPICES</b>			
<b>VEGETABLES</b>	Brinjal	Nav Kiran	4000
	Tomato	Pusa Rohini	4000
	Cauliflower	PSKBT-25	4000
	Cabbage	KGMR-1	4000
	Chilli	Pusa Jwala	4000
<b>FOREST SPECIES</b>	Moringa	PKM-2	1000
<b>ORNAMENTAL CROPS</b>	Marigold	Pusa Narangi	3000
		<b>Total</b>	<b>26500</b>

### Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>				
1	Vermi-compost			1000 Kg.
2	NADEP			1500 Kg.

**LIVESTOCK**

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle				
GOAT				
SHEEP				
POULTRY				
Pig farming				
FISHERIES				

**2.6. Literature to be Developed/Published****(A) KVK News Letter (Month wise calendar of important activities)**

Date of start : 1<sup>st</sup> of every month (12 issued)  
 Number of copies to be published : 100 per issue

**(B) Literature developed/published**

S.No.	Topic	Number
1	Research paper each scientist	-
2	Technical reports	40
3	News letters	4
4	Training manual all discipline	6
5	Popular article	10
6	Extension literature	4000
	<b>Total</b>	<b>4060</b>

**(C) Details of Electronic Media to be Produced**

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	CD	For reports and actions plans and other technical reports	10

**3.7. Success stories/Case studies identified for development as a case. - 1**

- a. Brief introduction
- b. Interventions
- c. Output
- d. Outcomes
- e. Impact
  - i) Social economic
  - ii) Bio-Physical
- f. Good Action Photographs

### 3.8 Indicate the specific training need analysis tools/methodology followed for

#### Practicing Farmers

- a) PRA
- b) Training on scientific cultivation of different crops.
- c) Moisture conservation
- d) Training on Integrated Pest Management in different crops.

#### Rural Youth

- a) PRA, Identification of leadership qualities, group discussion their past back grounds, caste qualification and their interest.
- b) Seed production technique of cereals & oilseeds.
- c) Seed production technique of vegetables crops.
- d) Soil Health management.
- e) Dairy management.

#### In-service personnel

- a) By making schedule of preferences, attitude and as per the need of the district.
- b) Training on skill development.
- c) Training on change in their attitude.

### 3.9 Indicate the methodology for identifying OFTs/FLDs

#### For OFT :

- i) PRA
- ii) Problem identified from Matrix
- iii) Field level observations
- iv) Farmer group discussions
- v) Others if any

#### For FLD :

- i) New variety/technology
- ii) Poor yield at farmers level
- iii) Existing cropping system
- iv) Others if any

### 3.10 Field activities

- i. Name of villages identified/adopted with block name (from which year) :
- ii. No. of farm families selected per village
- iii. No. of survey/PRA conducted :
- iv. No. of technologies taken to the adopted villages
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

### 3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Working  
 1. Year of establishment : 2005-06

#### 2. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	Spectrophotometer	01	44000.00
2	Flame photometer	01	48000.00
3	pH meter	01	11400.00
4	Conductivity bridge	01	16000.00
5	Chemical balance	01	49500.00
6	Water distillation still	01	49000.00
7	Kjeldahl digestion& distillation	02	56400.00
8	Shaker	02	23600.00
9	Refrigerator	01	17500.00
10	Oven	01	15000.00
11	Hot plate	01	24600.00
12	Grinder	01	29000.00
13	Physical balance	01	9400.00
14	Chemicals & glass ware	-	250000.00
15	Others (P-city items)	-	20000.00
16	Water distillation unit	01	14500.00
17	Mini Soil Lab (Yr. 2016-17)	01	90300.00
<b>Total</b>		<b>-</b>	<b>677900.00</b>

#### 3.Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	1000	1200	-	7000
Water	50	45	-	-
Plant	-	-	-	-
<b>Total</b>	<b>1050</b>	<b>1245</b>	<b>-</b>	<b>7000</b>

### 4.0 LINKAGES

#### 4.1 Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1	Deptt. of Agriculture, Govt. of U.P.	Training, Meeting & Other advisory services
2	Deptt. of Horticulture, Govt. of U.P.	Training, Meeting & Other advisory services
3	Soil conservation	Training
4	Cooperative	Gosthi & Training
5	IFFCO	Gosthi & Training
6	KRIBHCO	Gosthi & Training
7	U.P.Agro	Training
8	NIRPHAD (NGO)	Training & Gosthi
9	Banks	Training, Meeting
10	CIRG	Meeting & Training

#### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district

Yes/No

Yes

S. No.	Programme	Nature of linkage
1	Training	Resource Person
2	Demonstration	Technical
3	Interaction	Technical

#### 4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Training	Resource Person
2		

#### 4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		
2		

#### 5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1		
2		
	Total	

#### 6.0 Convergence with departments :

#### 7.1 Details of the programmes being implemented by your KVK in partnership with other institution

S. No.	Name of Programme	Main Institution (IARI, DBT, DST, UPCAR, etc.)	Duration	Budget (in lakh)
1	Breeder seed production of Wheat	IARI New Delhi	Since 2014 to till date	-

#### 7.2 Brief achievements of above collaborative programmes

S. No.	Name of Programme	Salient achievement	Impact of the programme
1	Breeder seed production of Wheat	Supplementation of produced seed to IARI Hub for National seed requirement	The produced seed is made available to farmers/University/agencies for further multiplication

#### 8. Achievements (Both Technical and physical) of sponsored programmes (As applicable to your KVK) during the reporting period (Jan-Dec.,2022)

S. No.	Name of Programme	Detailed Technical Achievements	Physical (infrastructural achievement)
1	TSP Project		
2	ARYA Project		
3	CFLD-NFSM Project		
	i. Kharif season		
	ii. Rabi season		
	iii. Summer season		
4	CSISA Project		
5	NICRA Project		
6	Soil Health Card		
7	CRM		
8	Other (please specify)		
	Total		

#### 7.0 Feedback of the farmers about the technologies demonstrated and assessed :

#### 8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:

## Training Programme

## i) Farmers &amp; Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
21.01.24	PF	Integrated disease management in Mustard	1	16	-	16	4	-	4	20
16.03.24	PF	Scientific cultivation of Moong	1	16	-	16	4	-	4	20
04.06.24	PF	Nursery management of paddy	1	16	-	16	4	-	4	20
06.07. 24	PF	Weed management in paddy	1	16	-	16	4	-	4	20
23.08. 24	PF	IPNM in Paddy	1	16	-	16	4	-	4	20
25.09. 24	PF	Scientific cultivation of Mustard	1	16	-	16	4	-	4	20
15.10. 24	PF	Importance of thinning in Mustard	1	16	-	16	4	-	4	20
03.12. 24	PF	Weed management of Rabi crops	1	16	-	16	4	-	4	20
Horticulture										
18.02. 24	PF	Protective cultivation technologies (Green Houses, Shade Net etc.)	1	17	1	18	7	-	7	25
22.03. 24	PF	Scientific cultivation of cucurbits	1	10	3	13	5	2	7	20
14.04. 24	PF	Rejuvenation of old orchards	1	17	1	18	7	-	7	25
18.06. 24	PF	Layout and Management of Orchards	1	16	-	16	4	-	4	20
24.07. 24	PF	Nursery raising	1	16	4	20	3	2	5	25
08.09. 24	PF	Production and Management technology of tuber crops	1	15	2	17	5	3	8	25
20.11. 24	PF	Grading and standardization of Veg.	1	16	4	20	3	2	5	25
14.12. 24	PF	Off season veg. cultivation	1	15	2	17	3	-	3	20
Home Science										
19.01.24	PF	Rural Crafts	1		15	15		5	5	20
22.02.24	PF	Women and child care	1		15	15		5	5	20
12.03.24	PF	Processing & cooking	1		15	15		5	5	20
09.04.24	PF	Household food security by kitchen gardening and nutrition gardening	1	4	11	15	1	4	5	20
16.06.24	PF	Designing and development for high nutrient efficiency diet	1		15	15		5	5	20
23.08.24	PF	Gender mainstreaming through SHGs	1		15	15		5	5	20
16.09.24	PF	Storage loss minimization techniques	1	4	11	15	1	4	5	20
01.10.24	PF	Value addition	1	4	11	15	1	4	5	20
19.11.24	PF	Income generation activities for empowerment of rural Women	1		15	15		5	5	20
06.12.24	PF	Location specific drudgery reduction technologies	1		15	15		5	5	20
Soil Health Management										
29.01.24	PF	Nutrient Use Efficiency	1	13	2	15	4	1	5	20
19.04.24	PF	Soil and Water Testing	1	13	2	15	4	1	5	20
02.05.24	PF	Soil and Water Conservation	1	13	2	15	4	1	5	20
19.06.24	PF	Soil fertility management	1	13	2	15	4	1	5	20
06.07.24	PF	Production and use of organic inputs	1	13	2	15	4	1	5	20
12.08.24	PF	Integrated Nutrient Management	1	13	2	15	4	1	5	20
13.10.24	PF	Micro nutrient deficiency in crops	1	13	2	15	4	1	5	20
20.11.24	PF	Management of Problematic soils	1	13	2	15	4	1	5	20

## i) Farmers &amp; Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
03.01.24	PF	Irrigation management in Wheat & Rabi crop	1	15	-	15	5	-	5	20
07.03.24	PF	Scientific cultivation of Moong	1	15	-	15	5	-	5	20
16.04.24	PF	Productivity enhancement of field crops	1	15	-	15	5	-	5	20
12.05.24	PF	Scientific cultivation of cotton	1	15	-	15	5	-	5	20
27.06.24	PF	Scientific cultivation of paddy	1	15	-	15	5	-	5	20
03.07.24	PF	Integrated crop management in Paddy, Bajra &	1	15	-	15	5	-	5	20



		Cotton								
15.09.24	PF	Integrated crop management of Mustard	1	18	-	18	2	-	2	20
15.10.24	PF	Integrated crop management of Wheat	1	15	-	15	5	-	5	20
10.11.24	PF	Weed management in Mustard	1	15	-	15	5	-	5	20
<b>Horticulture</b>										
06.01.24	PF	Management of potted plants	1	11	6	17	6	2	8	25
08.02.24	PF	Nursery management	1	16	4	20	3	2	5	25
10.03.24	PF	Grading and standardization of vegetables	1	16	4	20	3	2	5	25
07.04.24	PF	Raising of Veg. Nursery	1	15	2	17	3	-	3	20
05.05.24	PF	Layout & management of Orchards	1	15	2	17	3	-	3	20
20.05.24	PF	Protective cultivation of Veg.	1	15	2	17	3	-	3	20
16.07.24	PF	Cultivation of Fruit	1	18	2	20	4	1	5	25
29.08.24	PF	Management of young plants/orchards	1	10	3	13	5	2	7	20
22.09.24	PF	Production and Management technology of tuber crops	1	15	2	17	5	3	8	25
18.10.24	PF	Nursery Management of Rabi Veg.	1	20	2	22	3	-	3	25
29.11.24	PF	Micro irrigation systems of orchards	1	16	2	18	5	2	7	25
10.12.24	PF	Off season veg. cultivation	1	15	2	17	3	-	3	20
26.12.24	PF	Off season veg.	1	16	2	18	5	2	7	25

<b>Home Science</b>										
07.01.24	PF	Location specific drudgery reduction technologies	1		15	15		5	5	20
09.02.24	PF	Rural Crafts	1		15	15		5	5	20
12.03.24	PF	Women and child care	1		15	15		5	5	20
02.04.24	PF	Household food security by kitchen gardening and nutrition gardening	1	4	11	15	1	4	5	20
11.06.24	PF	Designing and development for high nutrient efficiency diet	1		15	15		5	5	20
14.07.24	PF	Minimization of nutrient loss in processing	1		15	15		5	5	20
18.09.24	PF	Gender mainstreaming through SHGs	1		15	15		5	5	20
23.10.24	PF	Storage loss minimization techniques	1	4	11	15	1	4	5	20
10.11.24	PF	Processing & cooking	1		15	15		5	5	20
27.11.24	PF	Value addition	1	4	11	15	1	4	5	20
30.12.24	PF	Income generation activities for empowerment of rural Women	1		15	15		5	5	20
<b>Soil Science</b>										
21.02.24	PF	Nutrient Use Efficiency	1	13	2	15	4	1	5	20
08.03.24	PF	Soil and Water Testing	2	26	4	30	8	2	10	40
20.04.24	PF	Soil fertility management	1	13	2	15	4	1	5	20
18.05.24	PF	Soil and Water Conservation	1	13	2	15	4	1	5	20
22.06.24	PF	Integrated Nutrient Management	1	13	2	15	4	1	5	20
23.08.24	PF	Production and use of organic inputs	1	13	2	15	4	1	5	20
07.09.24	PF	Management of Problematic soils	1	13	2	15	4	1	5	20
13.12.24	PF	Micro nutrient deficiency in crops	1	13	2	15	4	1	5	20

## ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Crop science	Seed production	Scientific seed production technology	June	5	8	-	8	2	-	2	10
Vermin culture	Vermi composting	Preparation of Vermi compost	July	5	8	-	8	2	-	2	10
Veg. crops	Nursery management	Scientific technology of nursery raising of veg. crops	May	5	8	-	8	2	-	2	10
Dairying	Management of farm	Scientific management of Dairy	May	5	8	-	8	2	-	2	10

	animals for Dairying										
Home Science	Value addition	Scientific process of paneer making	Oct.	5	8	-	8	2	-	2	10

### iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
16.05.24	Employees of A.H.Deptt.	Management of Farm Animals	1	40	-	40	10	-	10	50
22.06.24	Anganbari Workers	Household food security	1	-	20	20	-	5	5	25
12.04.24	Kisan Sahayak	Productivity enhancement of field crops	1	40	-	40	10	-	10	50
19.07.24										
02.07.24	Kisan Sahayak	Integrated nutrient management	1	40	-	40	10	-	10	50
11.08.24	Employees of Hort. Deptt.	Rejuvenation of old orchards	1	20	-	20	5	-	5	25
09.09.24	Anganbari Workers	Women & child care	1	-	20	20	-	5	5	25
23.10.24	Employees of Hort. Deptt.	Productive cultivation technology	1	20	-	20	5	-	5	25

## **ACTION PLAN FOR SOIL TESTING & SOIL HEALTH CARD**

**Year: 2024 (Jan. 2024 to Dec., 2024)**

Sl.No.	Activity	Numbers
1	No. of Soil sample to be tested	1000
2	No. of Soil health cards to be distributed	3000
3	No. of villages to be covered	4
<b>Activities to be conducted</b>		
1	Trainings to be conducted	19
2	Promotion of liquid fertilizer	2
3	Celebration of soil health day	1
4	Soil health awareness camp	2
5	Mobilization of students for collecting soil samples	2
6	Analyzing fertilizer use and reduction in cost of cultivation	1

## **ACTION PLAN FOR INTEGRATED FARMING SYSTEM (IFS) MODEL**

**Year: 2024 (Jan. 2024 to Dec., 2024)**

Modules/Models	Details of module/model	% of total area
Cropping systems	Pearl millet-Potato-Cucurbits Pearl millet-mustard/wheat-Green Gram/cotton Tomato/Brinjal/Chilli-Mustard-Cotton/Black Gram Paddy/Sorghum-Cauliflower/Cabbage-Jowar Fodder Paddy-Wheat-Green Gram/Cotton Pearl millet-Wheat/Potato-Green gram/fodder Fallow-Mustard/Potato-Green Gram/Fodder	55
Dairy	8 Heifers of Sahiwal	15
Backyard Poultry	Chebro bird (20 nos.)	1
Agri-Horti System	Guava, Aonla, Ber, Bael, Papaya, intercropped with vegetables	15
Development of Orchard	Citrus	5
Vermi-compost & NADEP Unit	Recycling of wastes and also for sale	2
Agro-forestry	Multipurpose trees viz. Sesum, Neem, Papri, Jamun, Arjun	5
Mushroom	Cultivation of button mushroom	1
Beekeeping	08 Boxes	1
<b>Total</b>		<b>100</b>

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