# DETAILS OF ACTION PLAN OF KVK BAHRAICH-I

## (January to December, 2022)

### 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, Bahraich** | 05252 236650 | 05252 236650 | kvkbahraich@gmail.com | www.bahraich.kvk4.in |

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

| Address | Telephone | | E mail | Website |
|---|---|---|---|---|
| | Office | FAX | | |
| Acharya N.D. University of Ag. & Tech. Kumarganj, Ayodhya, U.P. 224229 | 05270-262097, 262726 | 05270-262097 | vc_nduat2010@yahoo.co.in | www.nduat.ac.in |

1.2.b. Status of KVK website : Working

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

1.2.d Status of ICT lab at your KVK : NA

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

| Name | Telephone / Contact | | |
|---|---|---|---|
| | Office | Mobile | Email |
| Dr. M.P. Singh | 05252 236650 | 9415172725 | mpsingh.nduat@gmail.com |

**1.4. Year of sanction:** 20.03.1984 (vide Letter No. F-21(99) /84- KVK/Ext, dt. 20.03.84)

**1.5. Staff Position (as on September 2020)**

| S. No | Sanctioned post | Name of the incumbent | Design-ation | Discip-line | Pay Scale (Rs.) | Present basic (Rs.) | Date of joining | Perman-ent /Temp-orary | Category (SC/ST/ OBC/ Gen.) | Mobile no. | Age | Email id |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Sr. Scientist / Head | Dr.M.P. Singh | Officer Incharge | Soil Science | 37400-67000 | 77000.0 | 20.09.2019 | Permanent | Gen. | 9415172725 | 62 | mpsingh.nduat@gmail.com |
| 2 | SMS | Dr. V.P. Singh | SMS | Horticulture | 37400-67000 | 71590.00 | 18.11.1987 | Permanent | Gen. | 9415006080 | 60 | - |
| 3 | SMS | Dr R.K.Pandey | SMS | Plant Protectio | 15600-39100 | 37410.00 | 02.07.2002 | Permanent | Gen. | 8795885292 | 58 | - |
| 4 | SMS | Dr. Shailendra Singh | SMS | Agronomy | 15600-39100 | 35840.00 | 29.09.2018 | Permanent | Gen. | 9628928533 | 45 | Shailoo1975@gmail.com |
| 5 | SMS | Mrs. Renu Arya | SMS | Home Science | 15600-39100 | 25080.00 | 27.07.2013 | Permanent | SC | 9415046343 | 37 | renupau@gmail.com |
| 6 | SMS | Vacant | SMS | - | - | - | - | - | - | - | - | - |
| 7 | SMS | Vacant | SMS | - | - | - | - | - | - | - | - | - |
| 8 | Computer Programmer | Er Rajeev Kumar | PA | Computer Sc. & Engg. | 9300-34800 | 42300.00 | 16.07.2013 | Permanent | SC | 9458889326 | 37 | rajeev.eca@gmail. |
| 9 | Prog. Assist. | Vacant | PA | - | - | - | - | - | - | - | - | - |
| 10 | Farm Manage | Vacant | Farm Manager | - | - | - | - | - | - | - | - | - |
| 11 | Accountant | Sri A.K. Pandey | OS / Accountant | Commerce | 9300-34800 | 50500.00 | 09.01.2007 | Permanent | Gen. | 9453377354 | 53 | - |
| 12 | Stenographer | Sri Sanjay Pandey | Jr. Steno/Comp. | Biology | 5200-20200 | 38600.00 | 09.04.2008 | Permanent | Gen. | 9044463907 | 48 | sanjaykvk72@gmail.com |
| 13 | Driver | Sri Mohd Siraj | Driver | - | 5200-20200 | 15840.00 | 30.11.1988 | Permanent | Gen. | 9450397810 | 56 | - |
| 14 | Driver | Sri Rajesh Pratap Singh | Driver | - | 5200-20200 | 15360.00 | 19.07.1995 | Permanent | Gen. | 9452125804 | 46 | - |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **15** | Supporting staff | Sri Chandra Prakash | Attendent | - | 5200-20200 | 11610.00 | 01.04.1994 | Permanent | OBC | 9984830348 | 56 | - |
| **16** | Supporting st | Vacant | Attendent | - | - | - | - | - | - | - | - | - |

**1.6. Total land with KVK (in ha) : 13.60**

| S. No. | Item | Area (ha) |
|---|---|---|
| 1 | Area under crops | 6.72 |
| 2. | Area under Horticulture | 1.28 |
| 3. | Area under ponds | 2.00 |
| 4. | Administrative Building & others | 3.60 |
| | **Total** | **13.60** |

**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 | 1988 | 550 | | | | - |
| 2. | Farmers Hostel | ICAR | - | 300 | - | - | | Incomplete not Hand Over |
| 3. | Staff Quarters (6) | ICAR | 2008 | 3400 | - | - | | Complete But Require for Maintenance |
| 4. | Demonstration Units (2) | ICAR | 2008 | 1000 | - | - | | |
| 5 | Fencing | ICAR | 2008 | 3200 | - | - | | |
| 6 | Rain Water harvesting system | ICAR | - | - | - | - | | - |
| 7 | Threshing floor | ICAR | 2008 | 400 | - | - | | |
| 8 | Farm godown | ICAR | - | 300 | - | - | | Complete |
| 9 | Tube well | ICAR | 2008-09 | - | - | - | - | Complete |
| 10 | Other | | | | | | | |

**B) Vehicles**

| Type of vehicle | Year of purchase | Cost (Rs.) | Total kms. Run | Present status |
|---|---|---|---|---|
| Jeep Bolero | 19.09.06 | 495265 | 245000 | In working Condition |
| Tractor | 18.08.90 | 140523 | - | working Condition (very old) and need to replacement |
| Motor Cycle (Rajdoot) | 13.03.89 | - | - | Out of order and need to replacement |

**C) Equipments & AV aids**

| Name of the equipment | Year of purchase | Cost (Rs.) | Present status |
|---|---|---|---|
| Computer (Samtel) | 04.10.99 | 32380 | Out of order |
| Computer (Seimens) | 23.01.2000 | 59117 | Out of order |
| Computer (HP Compaq) | 23.03.2007 | 34496 | Working & need to replacement |
| Printers (Black & White 80E) | 23.01.2007 | 9071 | Working But need to replacement |
| Printers (HP Laserjet 1020) | 30.03.2007 | 6082 | Working |
| LCD Projector | 30.03.2007 | 96182 | Working |
| Camera | 22.04.2003 | 62875 | Working |
| UPS | 04.11. 1999 | 1250 | Out of order But need to replacement |
| UPS 800VA APC Make | 30.03.2007 | 7500 | Out of order But need to replacement |
| Duplicate Machine | 22.04.2003 | - | Out of order |
| Lawn Mover | 19.08.1991 | 3500 | Out of order But need to replacement |
| Type Writer (Hindi) | 16.10.1987 | - | Not Working |
| Type Writer (English) | 16.10.1987 | - | Not Working |
| Fax 737 MC | 30.03.2004 | 15660 | Not Working and need to replacement |
| Generator 2.5 KV | 28.03.2004 | 29400 | Working (life completed & need to replacement) |
| Paddy Transplanters | 05.11.1993 | 2000 | Out of order |
| Seed Cum Transplanters | 30.09.1986 | 13680 | Out of order |
| Raised bed planter | 19.06.2002 | - | Out of order |
| Raised bed planter | 19.06.2002 | - | Out of order |
| Hand vinnoing fan | 03.11.1990 | 750 | Working but need to replacement |
| Diesel Pump set (5H.P.) | 29.09.1986 | - | Out of order but need to replacement |
| Wheat Thresher | 26.09.1986 | - | Out of order |
| Tulman balance | 26.09.1986 | - | Out of order |
| Paddy Thresher | 26.09.1986 | - | Out of order |
| Diesel Pump set (8 H.P.) | 26.05.1993 | - | Out of order |
| Crompton Motor (7.5 H.P) | - | 17600 | Working |
| Digital Camera Kodak | 10.05.2008 | 17500 | Working |

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

| Sl.No. | Date |
|---|---|
| 1. Scientific Advisory Committee | (19 January 2022) |

## 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 :**<br>1. Paddy-Wheat /Lentil<br>2. Paddy/Maize/Wheat/Lentil<br>3. Paddy/Maize/Pigeon pea/lentil/Mustard<br>4. Ground Nut-Lentil<br>5. Sesamum-wheat |
| 2 | **Agriculture + Animal Husbandry (As above)**<br>1. Dairy<br>2. Dairy/Poultry or Both<br>3. Fish Farming + Dairy |
| 3 | **Horticulture :**<br>1. Tomato/ Pea/ Cauliflower/Chilli/ Brinjal/ Onion +Ginger/ Turmeric/Pointed gourd/ Bitter gourd<br>2. Banana- Wheat, Banana-Potato<br>3. Mango + Turmeric, Mango + Zinger<br>4. Mango + Elephant foot Yam |
| 4 | **Agriculture + Horticulture:**<br>1. Paddy/Maize + Pigeon Pea-Wheat / Vegetable/ Mustard<br>2. Paddy-Wheat/ Lentil-Maize/ Urd/ Mentha |

### 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 | **4th North Agro-Climate Zone** | **Area :** | **441820 Ha.** |
| | | **Tehsils :** | 2: Kaisarganj and Bahraich Sadar |
| | | **Blocks :** | 08-Kaisarganj, Huzoorpur, Payagpur, Visesharganj, Chittaura, Fakharpur, Jarwal, and Tejwapur. |
| | | **Climate :** | District's annual rainfall is nearly to national average rainfall of 1200mm. District receives 990 mm annual rainfall during the year. Temperature ranges $5^0$ C in winter to $45^0$ C in summer. |
| | | **Soil :** | The soil of Bahraich is new, generally deep except few pockets in the tarai belt. In general, three types of soil exist. Sandy in the belt of Ghagra river. Sandy-loam in the middle, and Loam in few pockets. Soil is poorly managed and deficient in nutrients such as zinc, sulphur and boron etc. It lacks in organic matter and generally has slightly higher $P^H$ value. |
| 2 | **District Profile Data** | | |
| | Area | | 5,21,903 |
| | Population | | 20,90,843 |
| | | Male | 11,35,543 |
| | | Female | 9,55,300 |
| | Ratio of male to female | | 54:46 |
| | Population density | | 392 Person/Sqm Km |
| | Rural population | | 19,00,479 |
| | Urban population | | 1,90,364 |
| | Literacy (Total) | | 5,40,069 |
| | | Male | 4,33,163 |
| | | Female | 1,06,906 |
| | No. of farmers | | 6,64,124 |
| | Agricultural labourers | | 1,35,693 |
| | Net cultivated area | | 3,50,979 |
| | Net irrigated area | | 63,677 Ha |
| | Total irrigated area | | 67,131 Ha |
| | Total production (cereal) | | 7,59,885 MT |
| | Annual rainfall | | 992 MM |
| | No. of villages | | 1369 |
| | No. of villages covered by K.V.K. so far | | 270 |

**(b) Topography**

<table>
<tr><th>S. No.</th><th>Agro ecological situation</th><th>Characteristics</th></tr>
<tr><td>AES-1.</td><td>Tarai Sandy-loam</td><td>The belt lies beneath Nepal border, High humidity and rainfall are prevalent. Rainfed crop are generally grown. The yield of the crop is very poor. Soil is deficient in many of the nutrients. Crop production, Vegetable production, Fodder production, and dairy management are main occupation of the farmers as given in the following table :
<table>
<tr><th>Crop</th><th>Fodder</th><th>Vegetable</th><th>Dairy</th></tr>
<tr><td>Paddy</td><td>Jowar</td><td>Tomato</td><td>Cow jercy</td></tr>
<tr><td>Wheat</td><td>Chari</td><td>Brinjal</td><td>Buffalo Murrah</td></tr>
<tr><td>Arhar</td><td>Barseem</td><td>Colecrops</td><td>Poultry- improved</td></tr>
<tr><td>Maize</td><td></td><td>Onion</td><td>Goatry- barbery</td></tr>
</table></td></tr>
<tr><td>AES-2</td><td>Tarai Clay-loam</td><td>The area under this situation is mainly rainfed It covers Kaiserganj block of the distt. Farmers grow almost all types of crop which are grown in AES-1 but productivity is slightly higher. People rear desi breed of cow, buffalo, goat and poultry and piggery in few of the pockets.
<table>
<tr><th>Crop</th><th>Vegetable</th><th>Fodder</th><th>Dairy</th></tr>
<tr><td>Paddy</td><td>Tomato</td><td>Bajra</td><td>Cow Jercy/Desi</td></tr>
<tr><td>Wheat</td><td>Potato</td><td>Jowar</td><td>Buffalo Murrah/Desi</td></tr>
<tr><td>Arhar</td><td>Cauliflower</td><td>Chari</td><td>Goatry-barbery/Desi</td></tr>
</table></td></tr>
<tr><td>AES-3</td><td>Plain Sandy-loam</td><td>Major portion of the area falls under this category the soil is light textured Crop are grown with limited resource condition. Major portion is under Nawabganj between the Doab of Rapti and Ghaghra river. From agricultural point of view, following crops are grown and other enterprises are pratctised :
<table>
<tr><th>Crop</th><th>Fodder</th><th>Vegetable</th><th>Dairy</th></tr>
<tr><td>Paddy</td><td>Jowar</td><td>Tomato</td><td>Cow Jercy/Desi</td></tr>
<tr><td>Wheat</td><td>Chari</td><td>Brinjal</td><td>Buffalo Murrah/Desi</td></tr>
<tr><td>Arhar</td><td>Berseem</td><td>Potato</td><td>Goat- improved/Desi</td></tr>
<tr><td>Gram</td><td></td><td>Cabbage</td><td></td></tr>
<tr><td>Pea</td><td></td><td>Cauliflower</td><td></td></tr>
<tr><td>Toria</td><td></td><td></td><td></td></tr>
<tr><td>Lentil</td><td></td><td>Ladies finger</td><td></td></tr>
</table>
Some other enterprises are also practiced such as black smithy, carpentry, chatai making, weaving, etc. High yielding variety of above crop are needed to be introduced.</td></tr>
<tr><td>AES-4</td><td>Plain Sandy-loam (flood prone)</td><td>Major area under this situation falls in the block Fakharpur and along the belt of Ghaghra river in the block of Fakharpur, Kaiserganj and Jarwal. Most of the area is sensitive to flood and sometimes is submerged two to three times in a season. Crops are damaged due to prolonged water logging. Farmers raise mixed crops of Paddy, Maize, Sunhemp because thes crops are highly risk prone. Productivity is very low. Farmers harvest as per mercy of nature. Some new variety of rice under flood situation are needed to be introduced. There is very high scope for Parwal and hybrid tomato crop cultivation.</td></tr>
<tr><td>AES-5</td><td>Plain Sandy-loam (irrigated)</td><td>Major area of plain lies in the block Chitaura, Tejwapur, Fakharpur, Kaisarganj and some area in Jarwal. This is important area, irrigation facilities are plenty, almost all crops are grown but productivity is poor. Soil is deficient in micro-nutrients. Milk yield is low. Improved breeds of animal and high yielding varieties are needed to be introduced in this situation.</td></tr>
<tr><td>AES-6</td><td>Plain Sandy-loam (rainfed)</td><td>The situation is found in some part of Chitaura, Area is needed introduction of rainfed improved crops. Some area is highly degraded and looks like a ravine land which needs development through soil conservation work, biological as well as mechanical measures. Introduction of high yielding varieties of cereal, vegetable and fruit are needed to be emphasized.</td></tr>
</table>

### 2.3 Soil Types

| S. No | Soil type | Characteristics | Area in ha |
|---|---|---|---|
| 1 | Tarai Sandy-loam (rain fed) | High humidity and rainfall are prevalent. Rainfed crops are generally grown. Soil is deficient in many nutrients. | 120037 |
| 2 | Tarai Clay-loam (rain fed) | The area under this situation is mainly rainfed. Farmers grow all types of crops in AES-1, but productivity is slightly higher. People rear Deshi breed of cows, buffaloes, goat, poultry and piggery. | 130475 |
| 3 | Plain Sandy-loam (rain fed) | Soil is light textured.. Cross are grown with limited resource condition. Major portion falls under Nawabganj between the Doab of Rapti and Ghaghra. | 123272 |
| 4 | Plain Sandy-loam (flood prone) | Mejor area under this situation falls in blocks Sheopur, Fakharpur, Kaiserganj, & Jarwal along with the river belt of Ghaghra river. In the block of Fakharpur, Kaiserganj and Jarwal, most of the area is sensitive to flood and some times submerged two or three times in a season. Crops are damaged due to prolonged water logging. Farmer raised mixed crops of Paddy, Maize, Sunhemp, because these crops are highly risk prone, productivity is very low. There is vast potential for production of pointed gourd and Hybrid Tomato. | 32365 |
| 5 | Plain Sandy-loam (irrigated) | Major area of plain lies in block Chittaura, Tejwapur, Fakherpur & Kaiserganj. This is important area. Irrigation facilities are plenty. Almost all crops or grown but productivity poor, milk yield. Soil is deficient in micro nutrients. | 35671 |
| | | | **441820** |

### 2.4. Area, Production and Productivity of major crops cultivated in the district (2020-21)

| S. No | Crop | Area (ha) | Production (MT.) | Productivity (Qt./ha) |
|---|---|---|---|---|
| 1 | Rice | 158577 | 313297 | 20.75 |
| 2 | Maize | 8992 | 103700 | 11.53 |
| 3 | Urd | 1030 | 7030 | 6.82 |
| 4 | Moong | 50 | 2110 | 4.22 |
| 5 | Pigeon pea | 4437 | 38416 | 8.65 |
| 6 | Ground nut | 2200 | 16500 | 7.50 |
| 7 | Sesamum | 510 | 1071 | 2.10 |
| 8 | Wheat | 157487 | 409455 | 28.5 |
| 9 | Chick pea | 280 | 2562 | 9.15 |
| 10 | Lentil | 50510 | 338417 | 6.70 |
| 11 | Pea (Round) | 1608 | 19457 | 12.10 |
| 12 | Toria | 7170 | 75285 | 10.50 |
| 13 | Sugar cane | 906850 | 454875960 | 1.60 |
| 14 | Potato | 2280 | 524400 | 230.00 |
| 15 | Turmeric | 670 | 24857 | 37.10 |

**Source: District agriculture department.**

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

| Category | Population | Production | Productivity |
|---|---|---|---|
| **Cattle** | | | |
| Crossbred | 3185 | 19110 lit. | 6 lit/day |
| Indigenous | 468449 | 936898 lit. | 2 lit/day |
| **Buffalo** | 296972 | 55024 lit. | 4 lit/day |
| **Sheep** | 13756 | 2751.2 kg. | 0.2000 kg. |
| Crossbred | 1910 | 573.0 kg. | 0.3000 kg. |
| Indigenous | 11846 | 11.84 kg. | 1000 gm. |
| **Goats** | 438552 | 6578.78 lit. | 0.150 lit. |
| **Pigs** | 43458 | 13637.4 kg. | 0.30 kg. |
| *Crossbred* | 4710 | 1884 kg. | 0.40 kg. |
| *Indigenous* | 38748 | 8687 kg. | 0.25 kg. |
| **Poultry** | | | |
| Hens | 208279 | 208279 kg. | 1.0 kg. |
| **Ducks** | 13152 | 1352 | 1.0 kg. |
| **Category** | | Production (Q.) | Productivity |
| Fish (Reservoir) | 744.23 | 161.00 | 0.216 |

*Statistical report

**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 |
|---|---|---|---|---|---|
| | Tejwapur | Agnupurwa, Bokaha, Mirjapur | Pegion pea, Maize Rice, Wheat, Mentha, Brinjal, cucurbits and vegetable pea Tomato, Chilli, etc | Low productivity of pigeoan pea, rice, Wheat, vegetables banana.<br>-due to poor crop management, light soil, infestation of insects and pests, imbalance use of fertilizers. | **Seed production :**<br>Pigeaon pea, Rice, Wheat, Lentil<br>**Vegetable production :** green pea, Tomato, Chilli, Brinjal<br>**Aromatic plant production :** Mentha<br>**Fruit:** Banana |
| | Chittaura | Sisai Haider, Ahraura | Wheat, Maize, Toria, Tomato, Brinjal, Chilli Garlic, Pegion pea, Banana | Low productivity of Wheat & Maize<br>-due to use of old & local varieties<br>-due to attack of insect pest & disease<br>-Low yield of Toria due to old & local varieties, and no used sulphur.<br>Low yield of pulses.<br>-due to old & local varieties -due to attack of insect and disease<br>-due to no use of sulphur | **Seed production :** rice, Wheat, maize, Toria & Pigeon pea<br>**Vegetable production :**<br>Tomato, Brinjal<br>**Spice production :** Chilli,<br>Garlic<br>**Fruit production :**<br>Banana etc. |
| | Payagpur | Kakraha Mohmmodpur and Trikoliya | Cereals : Rice, Wheat, Maize<br>Cash crop : Sugarcane<br>Vegetables : Tomato, Brinjal<br>Spices : Ginger, Turmeric Chilli | Low productivity of cereals due to old and local varieties<br>Low productivity of vegetable & spices<br>-due to use of old & local varieties<br>-due to attack of insect & pests<br>-Imbalance use of fertilizers | **Seed Production :**<br>Wheat-rice & Sugarcane |
| | Fakharpur | Kandausa, Amwa Tetarpur | Wheat, Maize, Toria, Tomato, Brinjal, Chilli Garlic, Pegion pea, Banana | Low productivity of Wheat & Maize<br>-due to use of old & local varieties<br>-due to attack of insect pest & disease<br>-Low yield of Toria due to old & local varieties, and no used sulphur.<br>Low yield of pulses.<br>-due to old & local varieties -due to attack of insect and disease<br>-due to no use of sulphur | **Seed production :** rice, Wheat, maize, Toria & Pigeon pea<br>**Vegetable production :**<br>Tomato, Brinjal<br>**Spice production :** Chilli,<br>Garlic<br>**Fruit production :**<br>Banana etc. |
| | Kaiserganj | Noorpur, Mohli | Cereals : Wheat , Rice, Maize<br>Pulses : Lentil and Pigeon pea<br>Oil seeds : Toria<br>Vegetables : Cowli flower, Tomato, Brinjal<br>Cash crop : Sugarcane , Potato<br>Poultry, Bee keeping, Dairy, Fruit & vegetable preservation. | Low productivity of cereals due to use of old and local varieties,<br>Low productivity of pulses & oilseeds due to use of old and local varieties<br>-attack of insect & pest<br>-No use of sulphur in oil seed and pulses.<br>Low productivity of poultry<br>-due to old breed.<br>-attack of disease.<br>-imbalance feeding<br>Low productivity of Dairy<br>due to indigenous breeds<br>-imbalance feeding.<br>-attack of disease.<br>-sterilety.<br>Low productivity of vegetables:<br>due to old & local varieties attack of insect & disease<br>Low productivity & Banana due to attack insect & old varieties. | **Seed production :** Wheat,<br>Rice<br>**Cereals production :** Rice, Wheat, Maize<br>**Vegetable production :** cole crops, Tomato, onion, Brinjal, Potato, green pea, etc.<br>**Animal Science :** Poultry<br>Dairy<br>**Fruit production and preservation :** Guava,<br>Litchi, Banana<br>**Income generation activities for rural women**:<br>Nutritional garden. |

**2.8 Priority thrust areas**

| Sl. No. | Thrust Area | |
|---|---|---|
| 1. | **Seed production** | Oil Seeds:Narendra Agati Rai-4, Groundnut : Amber and Til: T-78<br>Pulses:Pigeon Pea : NA-1,2 Lentil: NL-1,2 Urdbean: NU-1,2, Green Gram: NM-1<br>Cereals: Paddy:NDR-97, NDR-359, Maize: Hybrid shaktiman-1,Wheat:NDW-1012, 1014, PBW-343<br>Vegetables: Chilli, Tomato, cole crops, Okra, Onion, Ginger, Turmeric, Garlic ,cucurbits, Musk melon, Water melon etc.<br>Fruits: Guava, Banana, Litchi, Mango, papaya and karonda, etc.<br>Agro-forestry: Teak, Seesam, poplar, eucalyptous, soobabool etc. |
| 2 | **Transfer of Technology** | - Zero tillage and raised bed planting techniques.<br>- Raising techniques of fruits and agro-forestry plants.<br>- Raising technique of vegetable saplings.<br>- Storage techniques of food grain..<br>- Organicfarming by producing organic manure such as NADEP, CPP & Vermi Compost<br>- IPM Techniques for the control of pest and disease in crops and fruit trees |
| 3 | **Animal Science** | To conduct trainig programmes on fodder production, Balance feed preparation technique, etc. |
| 4 | **Home Science** | Health and hygiene, establishment of domestic viable production unit of fruit and vegetable preservation by value addition., garment design and local resource utilization making valuable product. |
| 5 | **Plant Protection** | To create Awareness among the farmers regarding Echo-friendly pest management by conducting on Farm Trials, Resul Demonstrations, On campus/Off Campus training for safer use of pesticide and integrated pest 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 |
| 10 | 50 | 24.02 | 72 |

| Training | | Extension Activities | |
|---|---|---|---|
| (3) | | (4) | |
| Number of Courses | Number of Participants | Number of activities | Number of participants |
| 100 | 2245 | 345 | 6361 |

| Seed Production (Qtl.) | Planting material (Nos.) | Fish seed prod. (Nos) | Soil Samples |
|---|---|---|---|
| (5) | (6) | (7) | (8) |
| 250 | 65000 | - | 500 |

**Details of CFLD under NFSM Programme**

| Crop | Area (ha) | No. of farmers |
|---|---|---|
| Pigeon pea | 10.00 | 25 |
| Lentil | 10.00 | 25 |
| Mustard | 20.00 | 50 |
| Sesamum | 10.0 | 25 |
| Blackgram | 10.0 | 25 |
| | **60.00** | **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 | Transfer of Technology | Wheat | Low productivity of Wheat due to prolonged high moisture in the field | Validation of Zero-tillage seed cum fertidrill for wheat in paddy-wheat cropping system | - | - | - | - | - |
| 2 | IPM techniques of control of white grub and termite | Ground nut | Low productivity of Ground nut due to attack of white grub and termite | Management of white grub and termite in ground nut. | - | - | - | - | - |
| 3 | Spice production | Ginger | Low productivity of ginger due to attack of rhizome rot disease | Productivity enhancement in Ginger | - | - | - | - | - |
| 4 | Vegetable production | Hybrid Tomato | Low productivity of Hybrid Tomato due to imbalance use of fertilizers | Nutritional management in Hybrid Tomato | - | - | - | - | - |
| 5 | IPM techniques for control fruit and shoot borer | Brinjal | Low productivity of Brinjal due to attack of shoot and fruit borer | Control of shoot and fruit borer in Brinjal | - | - | - | - | - |
| 6 | Seed production of oil seeds | Sesamum | Low productivity of Sesamum due to use of old & local varieties and no use of sulphur | - | Response of different components on the yield of Sesamum | Production techniques of sesamum | Production techniques of sesamum | Field day | Seed of improved variety T-78 |
| 7 | Seed production of oil seeds | Toria | Low productivity of Toria due to use of old & local varieties and no use of sulphur | - | Response of different components on the yield of Toria | Production techniques of Toria | Production techniques of Toria | Field day | Seed of improved variety PT-507 + Gypsum |
| 8 | Seed production of Pulses | Pigeon pea | Low productivity of Pigeon pea due to use of old & local varieties and attack of disease | - | To demonstrate the impact of components on the yield of improved and local varieties | Pigeon pea, seed production techniques | Pigeon pea, seed production techniques | Field day | Seed of improved variety NA-1, Trichoderma + carbandazim |
| 9 | Seed production of Pulses | Lentil | Low productivity of Lentil due to use of old & local varieties and no use of sulphur | - | To demonstrate the impact of components on the yield of improved and local varieties | Seed production techniques of Lentil | Seed production techniques of Lentil | Field day | Seed of improved variety NL-1, + Gypsum |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 10 | Spice production | Ginger | Low productivity due to use of old & local variety | - | To demonstrate the impact of improved variety of Ginger (Barua sager) | Ginger production techniques | - | - | Seed of improved variety of Ginger Barua sager |
| 11 | Hybrid vegetable production | Tomato (Hybrid) | Low yield of Tomato due to local and old (composite) varieties | - | To demonstrate the impact of improved variety of Hybrid Tomato (Rupali) | Hybrid Tomato production techniques | - | - | Seedling of Hybrid Tomato variety Rupali |
| 12 | Seed production and IPM in cereals | Paddy, Maize Wheat | Low productivity due to use of local and old varieties | - | - | Paddy, Wheat, Maize seed production techniques | Seed production techniques of Wheat and Paddy | Exposure visit | - |
| 13 | Vegetable production | Tomato, okra, Bitter gourd, Pointed gourd | Low yield due to use of local & old varieties | - | - | Hybrid Tomato production techniques, okra production techniques, Bittergourd production techniques, | Stalking in Hybrid Tomato production techniques for pointed gourd & bitter gourd | Exhibitions, Exposure visit | Seedlings of vegetables |
| 14 | Spices production Medicinal & spice production | Ginger Chilli Turmeric Garlic Mentha | Low yield due to used local and old varieties | - | - | Ginger production techniques Chilli production techniques | - | Exhibitions | - |
| 15 | Fruit production | Papaya Banana Mango Aonla Gwava Papaya | Low yield due to use of local and old varieties | - | - | Papaya production techniques Banana production techniques | Rejuvenation of old orchards of Mango, Banana production techniques | Exhibitions | - |
| 16 | Ground nut | Paddy Rice Maize | Attack of insect & pest in food grains | - | - | Techniques of food grain storage | Techniques of food grain storage | Exhibitions farmers fair | - |
| 17 | Drudgery reduction | Cereals | Drudgery reduction in Farm women | - | - | Drudgery reduction techniques | Drudgery reduction techniques | Exhibitions Farmers fair | - |
| 18 | Income generation activities | Fruit & vegetable preser-vation | No skill of fruit & vegetable preservation | - | - | Fruit and vegetable preser-vation techniques | Marketing of preserved products | Farmers fair Exhibitions | - |
| 19 | Agro forestry & fruit plants | Teak Jatropha Semal Bamboo Aonla Mango | Unavailability of good seedlings | - | - | Nursery raising techniques of agro forestry & fruit trees | - | Exhibition farmers fair | Seedlings of plants |
| 20 | IPM in vegetable, cereals, fruits, pulses, oilseeds | Vegetables cereals crops | Low productivity due to attack of disease & pests in cereals, vegetable | - | - | IPM techniques in cereals, vegetable, pulses, oilseeds & fruits | IPM techniques for cereals, pulses, oilseeds, vegetable, fruits | Exhibition | - |

### 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 | 1 | - | - | - | - | - | - | - | - | 1 |
| Seed / Plant production | - | - | - | - | - | - | - | - | - | - |
| Weed Management | - | - | 1 | - | - | - | - | - | - | 1 |
| Integrated Crop Management | - | - | - | 1 | 1 | 1 | - | - | - | 3 |
| Integrated Nutrient Management | - | - | - | - | - | - | - | - | - | - |
| Integrated Farming System | - | - | - | - | - | - | - | - | - | - |
| Mushroom cultivation | - | - | - | - | - | - | - | - | - | - |
| Drudgery reduction | 1 | - | - | - | - | - | - | - | - | 1 |
| Farm machineries | - | - | - | - | - | - | - | - | - | - |
| Value addition | - | - | - | - | - | - | - | - | - | - |
| Integrated Pest Management | - | - | 2 | - | - | - | - | - | - | 2 |
| Integrated Disease Management | - | - | - | - | - | - | - | - | - | - |
| Resource conservation technology | - | - | - | - | - | - | - | - | - | - |
| Small Scale income generating enterprises | - | - | - | - | - | - | - | - | - | - |
| **TOTAL** | 02 | - | 3 | 1 | 1 | 1 | - | - | - | 08 |

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

| Thematic areas | Cereals | Oilseeds | Pulses | Commercial Crops | Vegetables | Fruits | Flower | Kitchen garden | Tuber Crops | 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 | - | - | - | - | - | - | - | - | - | - |
| **TOTAL** | - | - | - | - | - | - | - | - | - | - |

**A.3. 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 | - | - | - | - | - | - | - | - |
| **TOTAL** | - | - | - | - | - | - | - | - |

**A.4. Abstract on the number of technologies to be 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 | - | - | - | - | - | - | - | - |
| **TOTAL** | - | - | - | - | - | - | - | - |

# B. Details of On Farm Trial

## OFT-1

| | | | |
|---|---|---|---|
| 1. | **Crop** | **:** | **Blackgram** |
| 2. | Title | : | **Integrated weed management in *Kharif* Blackgram** |
| 3. | Problem diagnosed | : | Being a short-stature crop, it faces severe weed competition during the early crop growth stages. |
| 4. | Farming Situation | : | Irrigated |
| 5. | Production system<br>Thematic area | : | Urd-Wheat<br>Weed management |
| 6. | Farmers practice (T1) | : | Manual weeding occasionally |
| 7. | Details of technology selected for assessment | | |
| | Technology (T-2) | : | (Pendimethalin 30EC followed by Imazethapyr 2EC) @ 1.0 kg a.i /ha . Pendimethalin at 2 DAS, Imazethapyr 16-20 DAS. |
| 8. | Source of Technology | : | Department of Agronomy, NDUAT, Kumarganj, Faizabad |
| 9. | No. of farmers | : | 5 |
| 10. | Critical input | : | Seed + herbicide |
| | Plot Size | : | 0.2 X 5 = 1.0 ha |
| 11. Performance of technology with performance indicators | | | |
| | (i)Technical observation | : | ➢ Plant population per $m^2$<br>➢ Seed yield (q/ha) |
| | (ii) Economic indicator | : | ➢ Cost of cultivation (Rs /ha)<br>➢ Gross return (Rs/ha)<br>➢ Net return Rs/ha<br>➢ Benefit : Cost ratio |
| | (iii) Social | | ➢ Acceptability of technology<br>➢ Flexibility of technology |

## OFT-2

| | | | |
|---|---|---|---|
| 1. | **Crop** | **:** | **Sugarcane + Lentil** |
| 2. | Title | : | **Intercropping in sugarcane with lentil for enhanced profitability** |
| 3. | Problem diagnosed | : | Low income from sugarcane is mono crop cultivation |
| 4. | Farming Situation | : | Irrigated |
| 5. | Production system<br>Thematic area | :<br>: | Paddy (Short duration) - sugarcane + lentil<br>Cropping system |
| 6. | Farmers practice (T-1) | : | Farmers generally raised sole crop of sugarcane |
| 7. | Details of technology selected for assessment | | |
| | Technology (T-2) | : | Intercropping of lentil in autumn planted sugarcane |
| 8. | Source of Technology | : | IISR, Lucknow |
| 9. | No. of farmers | : | 5 |
| 10. | Critical input | : | Lentil seed |
| | Plot Size | : | 0.2 X 5 = 1.0 ha |
| 11. Performance of technology with performance indicators | | | |
| | (i)Technical observation | : | ➢ Plant population $m^2$<br>➢ Pods / plant<br>➢ Seed yield (q/ha) |
| | (ii) Economic indicator | : | ➢ Cost of cultivation (Rs /ha)<br>➢ Gross return (Rs/ha)<br>➢ Net return (Rs/ha)<br>➢ Benefit : Cost ratio |
| | (iii) Social | : | ➢ Acceptability of technology<br>➢ Flexibility of technology |

# OFT-3

| | | | |
|---|---|---|---|
| 1. | Crop | : | Wheat |
| 2. | Title | : | **Validation of newly released variety of wheat** |
| 3. | Problem diagnosed | : | Farmers unable to harvest potential yield due to improper selection of wheat variety in available agro climatic situation |
| 4. | Farming Situation | : | Irrigated |
| 5. | Cropping system<br>Thematic area | : | Rice-wheat,<br>replacement of quality seed |
| 6. | Farmers Practice (T-1) | : | HUW 234, old varieties, Broadcasting |
| 7. | Details of technology selected for intervention | | |
| | Recommended Technology (T-2) | : | NW 5054/HDCSW-18<br>Latest improved quality seed & line sowing (use seed drill & ferti drill ) |
| 8. | Source of Technology | : | NDUAT, Faizabad |
| 9. | No. of farmers | : | 05 |
| 10 | Critical inputs | : | Improved quality Seed |
| | Area | : | 0.2 X 5 = 1.0 ha |
| 11. | Performance indicators: | | |
| | (i) Technical: | : | Effective tillers/$m^2$<br>Grains/ spike<br>Test weight (g)<br>Grain and straw yield (q/ha) |
| | (ii) Economics | : | Cost of cultivation (Rs /ha)<br>Gross return (Rs/ha)<br>Net return (Rs/ha)<br>Benefit : Cost ratio |
| | (iii) Social | : | Acceptability of technology<br>Flexibility of technology |

# OFT-4

| | | | |
|---|---|---|---|
| 1. | Crop | : | Rice |
| 2. | Title | : | **Validation of newly released variety of Rice** |
| 3. | Problem diagnosed | : | Farmers unable to harvest potential yield due to improper selection of Rice variety in available agro climatic situation |
| 4. | Farming Situation | : | Irrigated |
| 5. | Cropping system<br>Thematic area | : | Rice-wheat,<br>replacement of quality seed |
| 6. | Farmers Practice (T-1) | : | Sarju-52, old varieties |
| 7. | Details of technology selected for intervention | | |
| | Recommended Technology (T-2) | : | NDR-3112/ NDR- 2065<br>Latest improved quality seed & line sowing |
| 8. | Source of Technology | : | NDUAT, Faizabad |
| 9. | No. of farmers | : | 05 |
| 10 | Critical inputs | : | Improved quality Seed |
| | Area | : | 0.2 X 5 = 1.0 ha |
| 11. | Performance indicators: | | |
| | (i) Technical: | : | Effective tillers/$m^2$<br>Grains/ Panicle<br>Test weight (g)<br>Grain and straw yield (q/ha) |
| | (ii) Economics | : | Cost of cultivation (Rs /ha)<br>Gross return (Rs/ha)<br>Net return (Rs/ha)<br>Benefit : Cost ratio |
| | (iii) Social | : | Acceptability of technology<br>Flexibility of technology |

# OFT-5

| | | | |
|---|---|---|---|
| 1. | **Crop** | **:** | **Pigeon pea** |
| 2. | Title | : | **Assessment of IPM technology against Gram pod borer(*Helicoverpa armigera Hub.*) in Pigeon pea.** |
| 3. | Problem diagnosed | : | Pod borer in Pigeon pea reduces the grain yield by 20-25%. |
| 4. | Farming Situation | : | Sandy –loam, Irrigated |
| 5. | Thematic area | : | Integrated Pest Management |
| 6. | Farmers Practice | : | **$T_1$** : Indiscriminate use of insecticide ( Dimethoate 35 EC 3ml/ litre of water) 2- 3 times |
| 7. | Details of technology selected for intervention | : | **$T_2$ :** IPM strategies<br>1. Use of Pheromone traps with Heli lure @15 /ha<br>2. Application of neem based products containing 1500 ppm@ 3 liter/ha at 50% flowering (ETL) |
| 8. | Source of Technology | : | Department of Entomology<br>NDUAT, Kumarganj, Faizabad |
| 9. | No. of farmers | : | 5 |
| 10. | Criticle input | : | Insecticide and Pheromone traps |
| 11. | Performance indicators: | | |
| | (i) Technical: | : | ➢ Infested pods / yield loss due to pod borer<br>➢ Branches / plant<br>➢ Yield (q/ha) |
| | (ii) Economic | : | ➢ Cost of cultivation (Rs /ha)<br>➢ Net income (Rs /ha)<br>➢ B:C ratio |
| | (ii) Social : | : | ➢ Availability of seeds, bio pesticides<br>➢ Divisibility of technology<br>➢ Flexibility of technology |

# OFT- 6

| | | | |
|---|---|---|---|
| 1. | **Crop** | **:** | **Chick pea** |
| 2. | Title | : | **Assessment of IPM technology against Gram pod borer (*Helicoverpa armigera Hub.*) in Chick pea.** |
| 3. | Problem diagnosed | : | Pod borer in chick pea reduces the grain yield by 20-25%. |
| 4. | Farming Situation | : | Sandy –loam, Irrigated |
| 5. | Thematic area | : | Integrated Pest Management |
| 6. | Farmers Practice | : | **$T_1$ :** : Indiscriminate use of insecticide ( Dimethoate 35 EC 3ml/ liter of water) 2- 3 times. |
| 7. | Details of technology selected for intervention | : | **$T_2$ :** IPM strategies<br>1. Line sowing + Coriander (10:1)<br>2. Use of Pheromone traps with specific lure @15 /ha<br>3. Application of neem based products containing 1500 ppm@ 3 litter/ha at 50% flowering (ETL) |
| 8. | Source of Technology | : | Department of Entomology<br>NDUAT, Kumarganj, Faizabad |
| 9. | No. of farmers | : | 5 |
| 10. | Criticle input | : | Insecticide and Pheromone traps |
| 11. | Performance indicators: | | |
| | (i) Technical: | : | ➢ Infested pods / yield loss due to pod borer<br>➢ Branches / plant<br>➢ Yield (q/ha) |
| | (ii) Economic | : | ➢ Cost of cultivation (Rs /ha)<br>➢ Net income (Rs /ha)<br>➢ B:C ratio |
| | (ii) Social : | : | ➢ Availability of seeds, bio pesticides<br>➢ Divisibility of technology<br>➢ Flexibility of technology |

# OFT- 7

| | | | |
|---|---|---|---|
| **1.** | **Crop/ Enterprise** | **:** | Plant Protection |
| **2.** | **Title** | **:** | Comparative performance of different technologies for control of insects/pest of rice during storage |
| **3.** | **Problem diagnosed** | **:** | 10-20 percent loses in rice due to unawareness of storage technology was observed in Bahraich district |
| **4.** | **Farming Situation** | **:** | Farmers village. |
| **5.** | **Thematic area** | **:** | IPM |
| **6.** | **Farmers Practices** | **:** | **$T_1$ :** Without Fabric treatment with high Moisture |
| **7.** | **Details of technology selected for intervention**<br>**Recommended Technology** | **:** | **$T_2$ :**<br>i) Fabric treatment with Malathian 50%EC of 2% solution<br>ii) Grain treatment with neem leaf powder @ 2gm/kg grain blow 30% Moisture |
| **8.** | **Source of Technology** | **:** | Department of Seed Science & Technology,NDUAT, Kumarganj, Ayodhya |
| **9.** | **No. of farm women's** | **:** | 05 |
| **10.** | **Criticle Input** | **:** | Gunny Bag+ Melathian + Neem Leaf Powder |
| **11.** | **Performance indicators:** | | |
| | **(i) Technical:** | **:**<br>**:** | ➢ Percent loss<br>➢ Percent moisture<br>➢ No. of healthy & infested grain |
| | **(ii) Economic** | **:** | ➢ Net income<br>➢ B:C ratio |
| | **(ii) Social :** | **:** | ➢ Availability of Grain, bio pesticides<br>➢ Divisibility of technology<br>➢ Flexibility of technology |

# OFT-8

| | | | |
|---|---|---|---|
| **1.** | **Crop** | : | Mustard |
| **2.** | **Title** | : | **Assessment of Technology through soil testing based sulphur and Born management in mustard** |
| **3.** | **Problem diagnosed** | : | Low productivity of mustard due to deficiency of sulphur & born |
| **4.** | **Farming Situation** | : | Semi Irrigated |
| **5.** | **Cropping system**<br>**Thematic area** | : | |
| **6.** | **Farmers Practice** | : | **$T_1$ :** 80Kg N+ 20 Kg P/ha |
| **7.** | **Details of technology selected for intervention**<br>**Recommended Technology** | : | **$T_2$ :** N:P:K:S:B on the basis of Soil testing |
| **8.** | **Source of Technology** | : | ANDUAT, Ayodhya |
| **9.** | **No. of farmers** | : | 05 |
| **10** | **Critical inputs** | : | Sulphur & Born |
| | **Plot size** | : | 0.2 X 5 = 1.0 ha |
| **11.** | **Performance indicators:** | | |
| | **(i) Technical:** | : | Yield (q/ha) |
| | **(ii) Economics** | : | ➢ Additional return over operational cost (Rs/Ha)<br>➢ Return against rupees investment |
| | **(iii) Social** | : | ➢ Acceptability of technology<br>➢ Compatibility with existing system<br>➢ Flexibility of technology |

# OFT-9

| | | | |
|---|---|---|---|
| **1.** | **Crop/ Enterprise** | **:** | **Home Science** |
| **2.** | **Title** | **:** | Assessment of fruits and vegetables preservation technology for increasing income of farm women. |
| **3.** | **Problem diagnosed** | **:** | To study the low income of women involved in fruit selling due to post harvest losses of fruits and vegetables. |
| **4.** | **Source of Technology** | **:** | College of Home Science, ANDUAT, Kumarganj, Ayodhya |
| **5.** | **Farmers Practice** | | **T-1-** Farm women used traditional method for pickle making like use of oils and salt. |
| **6.** | **Details of technology selected for intervention Recommended Technology** | **:** | **T-2-** Adoption of preservation technology (Less oil + Sodium Benzoate + Vinegar) |
| **8.** | **Thematic area** | **:** | Income generation |
| **9.** | **No. of Trail** | **:** | 5 |
| **10** | **Critical input** | | Seasonal and local vegetables |
| | **Estimated cost** | | 3000/- |
| **11.** | **Performance indicators:** | | |
| | **(ii) Economic** | **:** | ➢ Total Cost<br>➢ Net Income (Rs)<br>➢ B:C ratio |
| | **(ii) Social :** | **:** | ➢ Acceptability of Farmers<br>➢ Feasibility of technology |

# OFT-10

| | | | |
|---|---|---|---|
| **1.** | **Crop/ Enterprise** | **:** | **Home Science** |
| **2.** | **Title** | **:** | Assessment value addition of pulses (Badi) for health improvement and income generation of farm women. |
| **3.** | **Problem diagnosed** | **:** | Indigenous Value added product from pluses are prepared by women at household level. |
| **4.** | **Source of Technology** | **:** | College of Home Science, ANDUAT, Kumarganj, Ayodhya |
| **5.** | **Farmers Practice** | | **T-1** Farm women used Traditional method like urd dal + Aish guard bari |
| **6.** | **Details of technology selected for intervention Recommended Technology** | **:** | **T-2-** preparation of badi –(a) Moong + Urd dal<br>(b) Panchratan dal |
| **8.** | **Thematic area** | **:** | Value addition |
| **9.** | **No. of Trail** | **:** | 5 |
| **10** | **Critical input** | | Moong Dal, urd Dal and Panchratan dal |
| | **Estimated cost** | | 2500/- |
| **11.** | **Performance indicators:** | | |
| | **(ii) Economic** | **:** | ➢ Total Cost<br>➢ Net Income (Rs)<br>➢ B: C ratio |
| | **(ii) Social :** | **:** | ➢ Acceptability of Farmers<br>➢ Feasibility of technology |

### 3.2 Frontline Demonstrations

A. Details of FLDs to be organized –

| S. No. | Crop | Variety | Thematic area | Technology for demonstration | Critical inputs | Season and year | Area (ha) | No. of farmers/ demon. | Parameters identified |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Rice | NDR-2065 | ICM | SRI | Seed | Kharif 2022 | 4.0 | 10 | Yield in q/ha |
| 2 | Rice | NDR-2064 | Varietal | Drum Seeder | Seed | Kharif 2022 | 4.0 | 10 | Yield in q/ha |
| 3 | Maize | Hyd. Pusa Aageti-2 | ICM | Ridge bed sowing | Seed | Zaid 2022 | 6.0 | 15 | Yield in q/ha |
| 4 | Wheat | HD-3271 | RCT | Happy Seed dril | Seed | Rabi-2022-23 | 10.0 | 25 | Yield in q/ha |
| 5 | Banana | G-9 | Water Conservation | Drip Irrigation based Banana cultivation | Sapling | Kharif 2022 | 2.0 | 05 | Yield in q/ha |
| 6 | Different seasional vegetables & fruits | - | Nutritional garden | Improve the nutrition and socio economic status of rural family. | Seed & Saplings | Kharif, 2022 | 0.4 | 10 | Yield of green vegetable & fruits |
| 7 | Different seasional vegetables & fruits | - | Nutritional garden | Improve the nutrition and socio economic status of rural family. | Seed & Saplings | Rabi-2022-23 | 0.4 | 10 | Yield of green vegetable & fruits |
| | | | | | **Total** | | **24.8** | **80.0** | |

**Details of CFLD under NFSM Programme**

| Crop | Area (ha) | No. of farmers |
|---|---|---|
| Pigeon pea (NA-2) | 10.00 | 25 |
| Lentil (PL-9) | 10.00 | 25 |
| Mustard (Pusha Mustard -31) | 20.00 | 50 |
| Sesamum (RT-346) | 10.0 | 25 |
| Blackgram (PU-31)/Shekhar-2 | 10.0 | 25 |
| **Total** | **60.00** | **150** |

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

| S. No. | Activity | No. of activities | Month | Number of participants |
|---|---|---|---|---|
| 1 | Field days | 05 | September & March | 250 |
| 2 | Farmers Training | 25 | May-June, Sep.–Octo., Jan. – Feb. | 600 |
| 3 | Media coverage | 10 | April-March | 150 |
| 4 | Training for extension functionaries | 05 | May-June, Sep.-Octo., Jan.– Feb. | 100 |

**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 |
|---|---|---|---|---|---|---|
| Zerotill cum Ferti seed drill | Wheat & Lentil | Rabi-2022-23 | 25 | 10 | Seed | Grain Yield |
| - | - | - | - | - | - | - |

**(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):

### 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 | 02 | 25 | 05 | 30 | 08 | 02 | 10 | 40 |
| Resource Conservation Technologies | 02 | 28 | 0 | 28 | 12 | 0 | 12 | 40 |
| Cropping Systems | 02 | 25 | 05 | 30 | 08 | 02 | 10 | 40 |
| Crop Diversification | 02 | 28 | 0 | 28 | 12 | 0 | 12 | 40 |
| Integrated Farming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Seed production | 02 | 28 | 0 | 28 | 12 | 0 | 12 | 40 |
| Nursery management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Crop Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fodder production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of organic inputs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **10** | **134** | **10** | **144** | **52** | **04** | **56** | **200** |
| **II Horticulture** | | | | | | | | |
| **a) Vegetable Crops** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of low volume and high value crops | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Off-season vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery raising | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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.) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **b) Fruits** | | | | | | | | |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plant propagation techniques | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **c) Ornamental Plants** | | | | | | | | |
| 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 |
| **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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| **Total** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **III Soil Health and Fertility Management** | | | | | | | | |
| Soil fertility management | 02 | 28 | 0 | 08 | 12 | 0 | 12 | 40 |
| Soil and Water Conservation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Nutrient Management | 03 | 41 | 0 | 41 | 19 | 0 | 19 | 30 |
| Production and use of organic inputs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Management of Problematic soils | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Micro nutrient deficiency in crops | 01 | 13 | 02 | 15 | 04 | 01 | 05 | 20 |
| Nutrient Use Efficiency | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Soil and Water Testing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **6** | **82** | **2** | **64** | **35** | **1** | **36** | **90** |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **IV Livestock Production and Management** | | | | | | | | |
| Dairy Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Feed management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of quality animal products | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **V Home Science/Women empowerment** | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | 02 | 0 | 29 | 29 | 0 | 11 | 11 | 40 |
| Design and development of low/minimum cost diet | 01 | 0 | 12 | 12 | 0 | 08 | 08 | 20 |
| 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 | 06 | 0 | 80 | 80 | 0 | 40 | 40 | 120 |
| Value addition | 04 | 0 | 65 | 65 | 0 | 20 | 20 | 85 |
| 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 |
| **Total** | **13** | **0** | **186** | **186** | **0** | **79** | **79** | **265** |
| **VI Agril. Engineering** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| **Total** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **VII Plant Protection** | | | | | | | | |
| Integrated Pest Management | 02 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| Integrated Disease Management | 02 | 24 | 0 | 24 | 16 | 0 | 16 | 40 |
| Bio-control of pests and diseases | 02 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| Production of bio control agents and bio pesticides | 01 | 05 | 0 | 05 | 15 | 0 | 15 | 20 |
| **Total** | **07** | **89** | **0** | **89** | **51** | **0** | **51** | **140** |
| **VIII Fisheries** | | | | | | | | |
| 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 |
| **IX Production of Inputs at site** | | | | | | | | |
| Seed Production | 02 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| Planting material production | 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 | 01 | 13 | 02 | 15 | 04 | 01 | 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 |
| **Total** | **03** | **43** | **2** | **45** | **14** | **1** | **15** | **60** |
| **X Capacity Building and Group Dynamics** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mobilization of social capital | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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 |
| **XI Agro-forestry** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| **XII Others (Pl. Specify)** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **TOTAL** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **(B) RURAL YOUTH** | | | | | | | | |
| Mushroom Production | 02 | 14 | 06 | 20 | 08 | 02 | 10 | 30 |
| Bee-keeping | 01 | 12 | 02 | 14 | 04 | 02 | 06 | 20 |
| Integrated farming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Seed production | 03 | 56 | 0 | 56 | 19 | 0 | 19 | 75 |
| Production of organic inputs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Farming (Medicinal) | 01 | 18 | 02 | 20 | 04 | 01 | 05 | 25 |
| 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 | 01 | 12 | 02 | 14 | 04 | 02 | 06 | 20 |
| Repair and maintenance of farm machinery and implements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery Management of Horticulture crops | 01 | 04 | 0 | 04 | 01 | 0 | 01 | 05 |
| Training and pruning of orchards | 01 | 10 | 02 | 12 | 02 | 01 | 03 | 15 |
| Value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of quality animal products | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dairying | 02 | 24 | 04 | 28 | 08 | 04 | 12 | 40 |
| Sheep and goat rearing | 01 | 13 | 02 | 15 | 04 | 01 | 05 | 20 |
| Quail farming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Piggery | 01 | 12 | 02 | 14 | 04 | 02 | 06 | 20 |
| Rabbit farming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Poultry production | 02 | 24 | 04 | 28 | 08 | 04 | 12 | 40 |
| 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 |
| **TOTAL** | **16** | **199** | **26** | **225** | **66** | **19** | **85** | **310** |
| **(C) Extension Personnel** | | | | | | | | |
| Productivity enhancement in field crops | 02 | 37 | 0 | 37 | 13 | 0 | 13 | 50 |
| Integrated Pest Management | 01 | 10 | 02 | 12 | 02 | 01 | 03 | 15 |
| Integrated Nutrient management | 03 | 53 | 02 | 55 | 17 | 03 | 20 | 75 |
| Rejuvenation of old orchards | 01 | 10 | 02 | 12 | 02 | 01 | 03 | 15 |
| 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 | 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 | 01 | 0 | 18 | 18 | 0 | 07 | 07 | 25 |
| Low cost and nutrient efficient diet designing | 01 | 0 | 16 | 16 | 0 | 09 | 09 | 25 |
| 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 |
| **TOTAL** | **09** | **110** | **40** | **150** | **34** | **21** | **55** | **205** |
| **G. Total** | **64** | **657** | **266** | **903** | **252** | **125** | **377** | **1270** |

**B) 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 | 01 | 19 | 0 | 19 | 06 | 0 | 06 | 25 |
| Resource Conservation Technologies | 02 | 33 | 0 | 33 | 17 | 0 | 17 | 50 |
| Cropping Systems | 02 | 35 | 0 | 35 | 15 | 0 | 15 | 50 |
| Crop Diversification | 01 | 20 | 0 | 20 | 05 | 0 | 05 | 25 |
| Integrated Farming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Seed production | 03 | 56 | 0 | 56 | 19 | 0 | 19 | 75 |
| Nursery management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Crop Management | 02 | 36 | 0 | 36 | 14 | 0 | 14 | 50 |
| Fodder production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of organic inputs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **11** | **199** | **0** | **199** | **76** | **0** | **76** | **275** |
| **II Horticulture** | | | | | | | | |
| **a) Vegetable Crops** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of low volume and high value crops | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Off-season vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery raising | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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.) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **b) Fruits** | | | | | | | | |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plant propagation techniques | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **c) Ornamental Plants** | | | | | | | | |
| 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 |
| **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** | 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 |
| **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 |
| **Total** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **III Soil Health and Fertility Management** | | | | | | | | |
| Soil fertility management | 02 | 35 | 0 | 35 | 15 | 0 | 15 | 50 |
| Soil and Water Conservation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Nutrient Management | 01 | 19 | 0 | 19 | 06 | 0 | 06 | 25 |
| Production and use of organic inputs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Management of Problematic soils | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Micro nutrient deficiency in crops | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nutrient Use Efficiency | 01 | 16 | 0 | 16 | 09 | 0 | 09 | 25 |
| Soil and Water Testing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **4** | **70** | **0** | **70** | **30** | **0** | **30** | **100** |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **IV Livestock Production and Management** | | | | | | | | |
| Dairy Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Feed management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of quality animal products | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **V Home Science/Women empowerment** | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | 02 | 0 | 25 | 25 | 0 | 15 | 15 | 40 |
| Design and development of low/minimum cost diet | 03 | 0 | 35 | 35 | 0 | 25 | 25 | 60 |
| 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 | 03 | 0 | 60 | 60 | 0 | 20 | 20 | 80 |
| Value addition | 01 | 0 | 14 | 14 | 0 | 06 | 06 | 20 |
| Income generation activities for empowerment of rural Women | 01 | 0 | 13 | 13 | 0 | 07 | 07 | 20 |
| Location specific drudgery reduction technologies | 03 | 0 | 45 | 45 | 0 | 25 | 25 | 70 |
| Rural Crafts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Women and child care | 05 | 0 | 30 | 30 | 0 | 25 | 25 | 75 |
| **Total** | **18** | **0** | **222** | **222** | **0** | **123** | **123** | **365** |
| **VI Agril. Engineering** | | | | | | | | |
| 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 |
| **VII Plant Protection** | | | | | | | | |
| Integrated Pest Management | 02 | 35 | 0 | 35 | 15 | 0 | 15 | 50 |
| Integrated Disease Management | 01 | 16 | 0 | 16 | 09 | 0 | 09 | 25 |
| Bio-control of pests and diseases | 02 | 35 | 0 | 35 | 15 | 0 | 15 | 50 |
| Production of bio control agents and bio pesti. | 02 | 35 | 0 | 35 | 15 | 0 | 15 | 50 |
| **Total** | **7** | **121** | **0** | **121** | **54** | **0** | **54** | **175** |
| **VIII Fisheries** | | | | | | | | |
| 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 |
| **IX Production of Inputs at site** | | | | | | | | |
| Seed Production | 01 | 12 | 02 | 14 | 04 | 02 | 06 | 20 |
| 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 | 01 | 12 | 02 | 14 | 04 | 02 | 06 | 20 |
| Vermi-compost production (Horti.) | 01 | 12 | 02 | 14 | 04 | 02 | 06 | 20 |
| 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 |
| **Total** | **3** | **36** | **6** | **42** | **12** | **6** | **18** | **60** |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **X Capacity Building and Group Dynamics** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mobilization of social capital | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| **XI Agro-forestry** | | | | | | | | |
| Production technologies | 01 | 18 | 02 | 20 | 04 | 01 | 05 | 25 |
| Nursery management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Farming Systems (Agro) | 01 | 12 | 02 | 14 | 04 | 02 | 06 | 20 |
| **XII Others (Pl. Specify)** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **TOTAL** | **02** | **30** | **04** | **34** | **08** | **03** | **11** | **45** |
| **G. TOTAL** | **45** | **456** | **232** | **688** | **180** | **132** | **312** | **1020** |

**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 | 04 | 55 | 05 | 60 | 15 | 05 | 20 | 80 |
| Resource Conservation Technologies | 04 | 61 | 0 | 61 | 29 | 0 | 29 | 90 |
| Cropping Systems | 05 | 75 | 15 | 90 | 30 | 05 | 35 | 125 |
| Crop Diversification | 03 | 48 | 0 | 48 | 17 | 0 | 17 | 65 |
| Integrated Farming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Water management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Seed production | 03 | 42 | 0 | 42 | 08 | 0 | 18 | 60 |
| Nursery management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Crop Management | 02 | 36 | 0 | 36 | 14 | 0 | 14 | 50 |
| Fodder production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of organic inputs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **21** | **333** | **10** | **343** | **128** | **4** | **132** | **475** |
| **II Horticulture** | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | |
| Production of low volume and high value crops | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Off-season vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery raising | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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.) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **b) Fruits** | | | | | | | | |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plant propagation techniques | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **c) Ornamental Plants** | | | | | | | | |
| 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 |
| **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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Processing and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **f) Spices** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production and Management technology | | | | | | | | |
| 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 |
| **Total** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **III Soil Health and Fertility Management** | | | | | | | | |
| Soil fertility management | 04 | 60 | 0 | 60 | 20 | 0 | 20 | 80 |
| Soil and Water Conservation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Nutrient Management | 04 | 60 | 0 | 60 | 20 | 0 | 20 | 80 |
| Production and use of organic inputs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Management of Problematic soils | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Micro nutrient deficiency in crops | 01 | 13 | 02 | 15 | 04 | 01 | 05 | 20 |
| Nutrient Use Efficiency | 01 | 16 | 0 | 16 | 09 | 0 | 09 | 20 |
| Soil and Water Testing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **10** | **149** | **2** | **151** | **53** | **1** | **54** | **200** |
| **IV Livestock Production and Management** | | | | | | | | |
| Dairy Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Feed management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of quality animal products | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **V Home Science/Women empowerment** | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | 04 | 0 | 50 | 50 | 0 | 10 | 10 | 60 |
| Design and development of low/minimum cost diet | 04 | 0 | 40 | 40 | 0 | 20 | 20 | 60 |
| 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 | 10 | 0 | 100 | 100 | 0 | 50 | 50 | 150 |
| Value addition | 05 | 0 | 75 | 75 | 0 | 25 | 25 | 100 |
| Income generation activities for empowerment of rural Women | 01 | 0 | 13 | 13 | 0 | 07 | 07 | 20 |
| Location specific drudgery reduction technologies | 03 | 0 | 45 | 45 | 0 | 15 | 15 | 60 |
| Rural Crafts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Women and child care | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **22** | **0** | **373** | **373** | **0** | **152** | **152** | **525** |
| **VI Agril. Engineering** | | | | | | | | |
| 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 |
| **VII Plant Protection** | | | | | | | | |
| Integrated Pest Management | 04 | 65 | 0 | 65 | 25 | 0 | 25 | 90 |
| Integrated Disease Management | 02 | 40 | 0 | 40 | 25 | 0 | 25 | 65 |
| Bio-control of pests and diseases | 03 | 40 | 0 | 40 | 30 | 0 | 30 | 70 |
| Production of bio control agents and bio pesticides | 02 | 35 | 0 | 35 | 15 | 0 | 15 | 50 |
| **Total** | **11** | **180** | **0** | **180** | **95** | **0** | **95** | **275** |
| **VIII Fisheries** | | | | | | | | |
| 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 |
| **IX Production of Inputs at site** | | | | | | | | |
| Seed Production | 03 | 42 | 02 | 44 | 14 | 02 | 16 | 60 |
| Planting material production | 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 | 01 | 12 | 02 | 14 | 04 | 02 | 06 | 20 |
| Vermi-compost production | 02 | 25 | 04 | 29 | 08 | 03 | 11 | 40 |
| 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 |
| **Total** | **6** | **79** | **8** | **87** | **26** | **7** | **33** | **120** |
| **X Capacity Building and Group Dynamics** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mobilization of social capital | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| **XI Agro-forestry** | | | | | | | | |
| Production technologies | 02 | 30 | 04 | 34 | 08 | 03 | 11 | 45 |
| Nursery management | 02 | 30 | 04 | 34 | 08 | 03 | 11 | 45 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Integrated Farming Systems | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sponsored training | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **TOTAL** | **04** | **60** | **8** | **68** | **16** | **6** | **22** | **90** |
| **(B) RURAL YOUTH** | | | | | | | | |
| Mushroom Production | 02 | 14 | 06 | 20 | 08 | 02 | 10 | 30 |
| Bee-keeping | 01 | 12 | 02 | 14 | 04 | 02 | 06 | 20 |
| Integrated farming | 01 | 12 | 02 | 14 | 04 | 02 | 06 | 20 |
| Seed production | 03 | 56 | 0 | 56 | 19 | 0 | 19 | 75 |
| Production of organic inputs | 03 | 56 | 0 | 56 | 19 | 0 | 19 | 75 |
| Planting material production | 01 | 18 | 02 | 20 | 04 | 01 | 05 | 25 |
| Vermi-culture | 03 | 56 | 0 | 56 | 19 | 0 | 19 | 75 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Training and pruning of orchards | 01 | 04 | 0 | 04 | 01 | 0 | 01 | 05 |
| Value addition | 01 | 10 | 02 | 12 | 02 | 01 | 03 | 15 |
| 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 | 1 | 10 | 02 | 12 | 02 | 01 | 03 | 15 |
| Tailoring and Stitching | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rural Crafts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL | **17** | **248** | **16** | **264** | **82** | **9** | **91** | **355** |
| (C) Extension Personnel | | | | | | | | |
| Productivity enhancement in field crops | 02 | 37 | 0 | 37 | 13 | 0 | 13 | 50 |
| Integrated Pest Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Nutrient management | 03 | 53 | 02 | 55 | 17 | 03 | 20 | 75 |
| Rejuvenation of old orchards | 01 | 10 | 02 | 12 | 02 | 01 | 03 | 15 |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Livestock feed and fodder production | 01 | 10 | 02 | 12 | 02 | 01 | 03 | 15 |
| Household food security | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Women and Child care | 01 | 0 | 18 | 18 | 0 | 07 | 07 | 25 |
| Low cost and nutrient efficient diet designing | 01 | 0 | 16 | 16 | 0 | 09 | 09 | 25 |
| 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 |
| **TOTAL** | **9** | **110** | **40** | **150** | **34** | **21** | **55** | **205** |
| **G. Total** | **100** | **1159** | **457** | **1616** | **434** | **200** | **634** | **2245** |

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 | 05 | 160 | 40 | 200 | 40 | 10 | 50 | 200 | 50 | 250 |
| Kisan Mela | 02 | 350 | 100 | 450 | 35 | 15 | 50 | 385 | 115 | 500 |
| Kisan Ghosthi | 02 | 325 | 80 | 405 | 30 | 15 | 45 | 355 | 95 | 450 |
| Exhibition | 02 | 350 | 100 | 450 | 35 | 15 | 50 | 385 | 115 | 500 |
| Farmers Seminar | 01 | 180 | 20 | 200 | 40 | 10 | 50 | 220 | 30 | 250 |
| Workshop | 01 | 200 | 30 | 230 | 50 | 10 | 60 | 250 | 40 | 290 |
| Group meetings | 06 | 220 | 40 | 260 | 25 | 15 | 40 | 245 | 55 | 300 |
| Lectures delivered as resource persons | 05 | 200 | 25 | 225 | 20 | 05 | 25 | 220 | 30 | 250 |
| Newspaper coverage | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 |
| Radio talks | 06 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 06 |
| TV talks | 03 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 03 |
| Popular articles | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 |
| Extension Literature | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Advisory Services | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 850 |
| Scientific visit to farmers field | 60 | 800 | 100 | 900 | 0 | 0 | 0 | 0 | 0 | 900 |
| Farmers visit to KVK | 125 | 450 | 50 | 500 | 0 | 0 | 0 | 0 | 0 | 500 |
| Diagnostic visits | 10 | 130 | 20 | 150 | 0 | 0 | 0 | 0 | 0 | 150 |
| Exposure visits | 05 | 160 | 40 | 200 | 20 | 05 | 25 | 180 | 45 | 225 |
| Ex-trainees Sammelan | 05 | 75 | 25 | 100 | 22 | 03 | 25 | 97 | 28 | 125 |
| Soil health Camp | 02 | 80 | 20 | 100 | 0 | 0 | 0 | 0 | 0 | 100 |
| Animal Health Camp | 02 | 70 | 20 | 90 | 08 | 02 | 10 | 78 | 22 | 100 |
| Agri mobile clinic | 05 | 70 | 20 | 90 | 08 | 02 | 10 | 78 | 22 | 100 |
| Soil test campaigns | 02 | 90 | 10 | 100 | 0 | 0 | 0 | 0 | 0 | 100 |
| Mahila Mandals Conveners meetings | 01 | 0 | 20 | 20 | 0 | 05 | 05 | 0 | 25 | 25 |
| Celebration of important days (specify) | 05 | 115 | 25 | 140 | 08 | 02 | 10 | 140 | 10 | 150 |
| Krishi Mohostva | 01 | 75 | 15 | 90 | 07 | 03 | 10 | 82 | 18 | 100 |
| Krishi Rath | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pre Kharif workshop | 01 | 30 | 10 | 40 | 08 | 02 | 10 | 38 | 12 | 50 |
| Pre Rabi workshop | 01 | 28 | 15 | 43 | 05 | 02 | 07 | 33 | 17 | 50 |
| PPVFRA workshop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Any Other (Specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **345** | **4158** | **825** | **4983** | **361** | **121** | **482** | **2986** | **729** | **6361** |

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

**SEED MATERIALS**

| S. No. | Area (Ha) | Crop | Variety | Quantity (qtl.) |
|---|---|---|---|---|
| Kharif | 3.2 | Paddy | NDR-3112 | 110.0 |
| | 2.0 | Pigeon pea | NA-2 | 24.0 |
| | 0.8 | Sesamum | Shekhar | 5.0 |
| | 0.8 | Urd | Shekhar-2 | 6.0 |
| Rabi | 2.0 | Lentil | NDL-1 | 15.0 |
| | 2.8 | Wheat | HD-2967 | 100.0 |
| **Total** | **11.6** | | | **250.0** |

**PLANTING MATERIALS**

| S. No. | Crop | Variety | Quantity (Nos.) |
|---|---|---|---|
| **FRUITS** | | | |
| | Papaya | Pusa Dwarf/ Magesty/ Redlady | 5000 |
| **SPICES** | - | - | 0 |
| **VEGETABLES** | - | - | 0 |
| | Tomato | Hybrid | 15000 |
| | Brinjal | Hybrid | 20000 |
| | Chilli | Hybrid | 20000 |
| **FOREST SPECIES** | | | 0 |
| | - | - | 0 |
| **ORNAMENTAL CROPS** | | | 0 |
| | Marigold | Pusa Basanti/ Narangi | 5000 |
| | | **Total** | **65000** |

**Bio-products**

| Sl. No. | Product Name | Species | Quantity | |
|---|---|---|---|---|
| | | | No | (kg) |
| **BIO PESTICIDES** | | | | |
| 1 | Vermi Compost | - | - | 100 |
| 2 | Azolla | | | 100 |

**LIVESTOCK**

| Sl. No. | Type | Breed | Quantity | |
|---|---|---|---|---|
| | | | (Nos) | Unit |
| Cattle | - | - | - | - |
| GOAT | - | - | - | - |
| POULTRY | - | - | - | - |
| FISHERIES | - | - | - | - |

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

**(A) KVK News Letter**

Date of start : 01/01/2022

Number of copies to be published : 50/Quarterly

**(B) Literature developed/published**

| S.No. | Topic | Number |
|---|---|---|
| 1 | Research paper each scientist | 01 |
| 2 | Technical reports | 10 |
| 3 | News letters | 01 |
| 4 | Training manual all discipline | 06 |
| 5 | Popular article | 10 |
| 6 | Extension literature | 08 |
| | **Total** | **36** |

**(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. -**

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) Lecture/ demonstration methods

b) Group Discussion

c) Overhead Projector

**Rural Youth**

a) Lecture/ demonstration methods

b) Group Discussion

c) Overhead Projector

**In-service personnel**

a) Lecture/ demonstration methods

b) Group Discussion

c) Overhead Projector

**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) -
Sisai Haider-Block Tejwapur

ii. No. of farm families selected per village : 250

iii. No. of survey/PRA conducted :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: RCT, SRI, Drum Seeder, INM, ICM,

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 :** NA

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

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

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

| Details | No. of Samples | No. of Farmers | No. of Villages | Amount to be realized |
|---|---|---|---|---|
| Soil Samples | - | - | - | - |
| Water | - | - | - | - |
| Plant | - | - | - | - |
| **Total** | | | | |

**4.0 LINKAGES**

**4.1 Functional linkage with different organizations**

| Sl.No. | Name of organization | Nature of Linkage |
|---|---|---|
| 1. | Department of Agricuture | Technical Linkage |
| 2. | Department of Horticulture | Technical Linkage |
| 3. | Department of Sericuture | Technical Linkage |
| 4. | Department of Animal Husbandry | Technical Linkage |
| 5. | Department of Fishries | Technical Linkage |
| 6. | Department of Education | Technical Linkage |
| 7. | Nationalised BANKs & RRBs | Technical Linkage |
| 8. | NABARD | Technical Linkage |
| 9. | Department of Sugar Cane & Co-oprative | Technical Linkage |
| 10. | IFFCO, KRIBHCO, NSC& NGOs working with farmers and other community in Bahraich District | Technical Linkage |

**4.2 Details of linkage with ATMA**

**a)** Is ATMA implemented in your district : No (Due to financial setup of SAU)

| S. No. | Programme | Nature of linkage |
|---|---|---|
| 1 | - | - |

**4.3 Give details of programmes under National Horticultural Mission:** NA (Due to financial setup of SAU)

| S. No. | Programme | Nature of linkage |
|---|---|---|
| 1 | - | - |
| 2 | - | - |

**4.4 Nature of linkage with National Fisheries Development Board :** NA (Due to financial setup of SAU)

| S. No. | Programme | Nature of linkage |
|---|---|---|
| **1** | - | - |
| **2** | - | - |

**5.0 Utilization of hostel facilities :** NA (Not Completed and Handover)

| S. No. | Programme | No. of days |
|---|---|---|
| **1** | - | - |
| **2** | - | - |
| | **Total** | |

**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 :**

**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** | | | | | | | | | | |
| May | PF | Seed production of dhaincha | 1 | 11 | - | 11 | 04 | - | 04 | 15 |
| May | PF | Integrated nutrient management in rice | 1 | 12 | - | 12 | 03 | - | 03 | 15 |
| June | PF | Intercropping of pulses with maize | 1 | 13 | - | 13 | 02 | - | 02 | 15 |
| July | PF | Brown manuring in rice | 1 | 11 | - | 11 | 04 | - | 04 | 15 |
| September | PF | Intercropping of lentil with sugarcane | 1 | 12 | - | 12 | 03 | - | 03 | 15 |
| September | PF | Use of sulphur in oilseeds crops | 1 | 13 | - | 13 | 02 | - | 02 | 15 |
| November | PF | Zero till cultivation in wheat | 1 | 11 | - | 11 | 04 | - | 04 | 15 |
| February | PF | Bio fertilizer management practices in zaid pulses | 1 | 12 | - | 12 | 03 | - | 03 | 15 |
| **Horticulture** | | | | | | | | | | |
| April | PF | Production techniques of Banana | 02 | 13 | 02 | 15 | 04 | 01 | 05 | 20 |
| April | PF | Production techniques of Gauva | 02 | 13 | 02 | 15 | 04 | 01 | 05 | 20 |
| May | PF | Layout & management of Mango Orchard | 02 | 18 | 02 | 20 | 04 | 01 | 05 | 25 |
| June | PF | Production techniques of Teak & Poplar | 02 | 12 | 02 | 14 | 04 | 02 | 06 | 20 |
| July | PF | Plant propagation techniques of Mango & Gauva | 02 | 12 | 03 | 15 | 03 | 02 | 05 | 20 |
| August | PF | Nursary raising techniques of Tomato, Brinjal,Chilli etc | 02 | 12 | 03 | 15 | 03 | 02 | 05 | 20 |
| September | PF | Production & management techniques of Potato | 02 | 13 | 02 | 15 | 04 | 01 | 05 | 20 |
| September | PF | Production techniques of Tomato & Chilli | 02 | 12 | 03 | 15 | 03 | 02 | 05 | 20 |
| October | PF | Management of newely planted orchard | 02 | 08 | 02 | 20 | 04 | 01 | 05 | 25 |
| October | PF | Production techniques of Coriander & Garlic | 02 | 12 | - | 12 | 08 | - | 08 | 20 |
| November | PF | Training & pruning of Mango & Guava | 02 | 15 | 03 | 18 | 05 | 02 | 07 | 25 |
| December | PF | Rejuvenation of old Mango Orchard | 02 | 13 | 02 | 15 | 04 | 01 | 05 | 20 |
| January | PF | Grading of Tomato & Brinjal | 02 | 15 | 03 | 18 | 05 | 02 | 07 | 25 |
| February | PF | Production & management techniques of Mentha | 02 | 13 | 02 | 15 | 04 | 01 | 05 | 20 |
| March | PF | Production techniques of Mango & Gauva with Agro Forestry | 02 | 18 | 02 | 20 | 04 | 01 | 05 | 25 |
| **Home Sc.** | | | | | | | | | | |
| September | PF | Scientific techniques of grain storage | 1 | - | 80 | 80 | - | 40 | 40 | 120 |
| June | PF | Preservation techniques of Mango and Karonda | 3 | - | 25 | 25 | - | 15 | 15 | 40 |
| June | PF | Importance of balanced diet & prevention of Anemia in young girls | 1 | - | 13 | 13 | - | 07 | 07 | 20 |
| October | PF | Preservation techniques of Aonla | 2 | - | 15 | 15 | - | 05 | 05 | 20 |
| October | PF | Prevention of malnutrition among children by suplementation of low cost nutrient food | 1 | - | 12 | 12 | - | 08 | 08 | 20 |
| February | PF | Prepration methods of Mathari with palak and Menthi | 2 | - | 15 | 15 | - | 10 | 10 | 25 |
| March | PF | Importance & awareness of nutritional garden | 1 | - | 29 | 29 | - | 11 | 11 | 40 |
| **Plan protection** | | | | | | | | | | |
| June | PF | IPM in Paddy | 01 | 14 | - | 14 | 06 | - | 06 | 20 |
| June | PF | IPM in Paddy | 02 | 30 | - | 30 | 10 | - | 10 | 40 |
| September | PF | IPM in Mango | 02 | 24 | - | 24 | 16 | - | 16 | 40 |
| October | PF | IPM in check pea and mustard | 01 | 18 | - | 18 | 07 | - | 07 | 25 |
| February | PF | Bio control methods of pest & disease in sugarcane | 01 | 19 | - | 19 | 06 | - | 06 | 25 |
| **Soil Health** | | | | | | | | | | |
| April | PF | Residue management practices | 01 | 14 | - | 14 | 06 | - | 06 | 20 |
| May | PF | Green manuring of *Sesbania* | 01 | 15 | - | 15 | 05 | - | 05 | 20 |

**ii) 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** | | | | | | | | | | |
| May | PF | Rice cultivation through system of rice intensification (SRI) | 01 | 18 | - | 18 | 07 | - | 07 | 25 |
| June | PF | Seed production in rice | 02 | 38 | - | 38 | 12 | - | 12 | 50 |
| June | PF | Sowing of Pigeon pea on raised bed | 01 | 17 | - | 17 | 08 | - | 08 | 25 |
| July | PF | Pigeonpea + maize/ urd intercropping | 01 | 18 | - | 18 | 07 | - | 07 | 25 |
| August | PF | Nutrient management in rice | 01 | 16 | - | 16 | 09 | - | 09 | 25 |
| September | PF | Intercropping of lentil with sugarcane | 01 | 17 | - | 17 | 08 | - | 08 | 25 |
| October | PF | Production technique of rabi maize cultivation | 01 | 20 | - | 20 | 05 | - | 05 | 25 |
| October | PF | Utera cultivation of lentil | 01 | 18 | - | 18 | 07 | - | 07 | 25 |
| November | PF | Zero tillage cultivation of wheat | 01 | 16 | - | 16 | 09 | - | 09 | 25 |
| February | PF | Integrated nutrient management in sugarcane | 01 | 19 | - | 19 | 06 | - | 06 | 25 |
| **Horticulture** | | | | | | | | | | |
| April | PF | Production techniques of Banana | 02 | 13 | 02 | 15 | 04 | 01 | 05 | 20 |
| April | PF | Production techniques of Gauva | 02 | 13 | 02 | 15 | 04 | 01 | 05 | 20 |
| May | PF | Layout & management of Mango Orchard | 02 | 18 | 02 | 20 | 04 | 01 | 05 | 25 |
| June | PF | Production techniques of Teak & Poplar | 02 | 12 | 02 | 14 | 04 | 02 | 06 | 20 |
| July | PF | Plant propagation techniques of Mango & Gauva | 02 | 12 | 03 | 15 | 03 | 02 | 05 | 20 |
| August | PF | Nursary raising techniques of Tomato, Brinjal,Chilli etc | 02 | 12 | 03 | 15 | 03 | 02 | 05 | 20 |
| September | PF | Production & management techniques of Potato | 02 | 13 | 02 | 15 | 04 | 01 | 05 | 20 |
| September | PF | Production techniques of Tomato & Chilli | 02 | 12 | 03 | 15 | 03 | 02 | 05 | 20 |
| October | PF | Management of newely planted orchard | 02 | 08 | 02 | 20 | 04 | 01 | 05 | 25 |
| October | PF | Production techniques of Coriander & Garlic | 02 | 12 | - | 12 | 08 | - | 08 | 20 |
| November | PF | Training & pruning of Mango & Guava | 02 | 15 | 03 | 18 | 05 | 02 | 07 | 25 |
| December | PF | Rejuvenation of old Mango Orchard | 02 | 13 | 02 | 15 | 04 | 01 | 05 | 20 |
| January | PF | Grading of Tomato & Brinjal | 02 | 15 | 03 | 18 | 05 | 02 | 07 | 25 |
| February | PF | Production & management techniques of Mentha | 02 | 13 | 02 | 15 | 04 | 01 | 05 | 20 |
| March | PF | Production techniques of Mango & Gauva with Agro Forestry | 02 | 18 | 02 | 20 | 04 | 01 | 05 | 25 |
| **Live Stock Production**. | | | | | | | | | | |
| Jully | PF | Causes and symptom for control of mosaic | - | - | - | - | - | - | - | - |
| August | PF | Control of liver fluek in goat | - | - | - | - | - | - | - | - |
| September | PF | Control of coccidious in chick | - | - | - | - | - | - | - | - |
| **Home Sc.** | | | | | | | | | | |
| August | PF | Scientific techniques of grain storage | 01 | - | 60 | 60 | - | 20 | 20 | 80 |
| September | PF | Drudgery reduction techniques in Farm Women | 01 | - | 45 | 45 | - | 25 | 25 | 70 |
| September | PF | Prepration of oral dehydration solution | 01 | - | 25 | 25 | - | 15 | 15 | 40 |
| October | PF | Importance of balanced diet & prepration of low cost reciepies | 01 | - | 17 | 17 | - | 08 | 08 | 25 |
| October | PF | Training on care & nutritional food for pregnant and lactating mothers | 01 | - | 25 | 25 | - | 10 | 10 | 35 |
| November | PF | Formulation of low cost nutritional diet for farm women | 01 | - | 25 | 25 | - | 15 | 15 | 40 |
| **Plant Protection** | | | | | | | | | | |
| April | PF | Management of hopper in Mango | 01 | 18 | - | 18 | 07 | - | 07 | 25 |
| July | PF | IPM in ground nut | 01 | 16 | - | 16 | 09 | - | 09 | 25 |
| October | PF | Management of aphids in mustard | 01 | 20 | - | 20 | 05 | - | 05 | 25 |
| January | PF | Management of pod borer in chick pea | 01 | 18 | - | 18 | 07 | - | 07 | 25 |
| February | PF | Management of pod borer in sugarcane | 01 | 16 | - | 16 | 09 | - | 09 | 25 |
| **Soil health** | | | | | | | | | | |
| April 2016 | PF | Green manuring of dhaincha | 01 | 17 | - | 17 | 08 | - | 08 | 25 |
| October 2016 | PF | Crop residue management practices | 01 | 18 | - | 18 | 07 | - | 07 | 25 |

**iii) 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 | |
| Vegetables | Value Addition | Preservation techniques of vegetables | March | 3 | - | 12 | 12 | - | 08 | 08 | 20 |
| Rice | ICM | Nursary raising techniques | May | 3 | 18 | - | 18 | 07 | - | 07 | 25 |
| Hort. Crop | ICM | Production techniques of Banana | May | 02 | 12 | 02 | 14 | 04 | 02 | 06 | 20 |
| Mango | Value Addition | Pickle making techniques of Mango | June | 3 | - | 12 | 12 | - | 08 | 08 | 20 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Rice | ICM | Seed production technique | June | 3 | 19 | - | 19 | 06 | - | 06 | 25 |
| Pigeonpea | ICM | Seed production technique | June | 3 | 19 | - | 19 | 06 | - | 06 | 25 |
| Hort. Crop | ICM | Canopy management techniques of Mango & Gauva | June | 02 | 10 | 02 | 12 | 02 | 01 | 03 | 15 |
| Hort. Crop | ICM | Nursary mangement techniques of Mango & Gauva | August | 15 | 04 | - | 04 | 01 | - | 01 | 05 |
| Lentil | ICM | Seed production technique | September | 3 | 20 | - | 20 | 05 | - | 05 | 25 |
| Hort. Crop | ICM | Production techniques of Papaya | September | 02 | 12 | 02 | 14 | 04 | 02 | 06 | 20 |
| Bee Keeping | ICM | Establishment of apiary & bee Keeping techniques | September | 01 | 13 | - | 13 | 07 | - | 07 | 20 |
| Mushroom Production | ICM | Technique of mushroom production | September | 01 | 13 | - | 13 | 07 | - | 07 | 20 |
| Wheat | ICM | Seed production technique | October | 3 | 17 | - | 17 | 08 | - | 08 | 25 |
| Bee Keeping | ICM | Modern Bee Keeping & its role in Agricultuere | October | 01 | 13 | - | 13 | 07 | - | 07 | 20 |
| Aonla | Value Addition | Pickle making techniques of Aonla | November | 3 | - | 12 | 12 | - | 08 | 08 | 20 |
| Mushroom Production | ICM | Technique of mushroom production | February | 01 | 13 | - | 13 | 07 | - | 07 | 20 |
| Bee Keeping | ICM | Establishment of sericulture | February | 01 | 13 | - | 13 | 07 | - | 07 | 20 |

**iv) 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 | EP | Micronutrient symptoms diagonostic & their management | 02 | 20 | - | 20 | 05 | - | 05 | 25 |
| July | EP | Nutrient management of Fruit crops | 02 | 12 | 02 | 14 | 05 | 01 | 06 | 20 |
| September | EP | Balance diet and care of pregnant & lactating farm women | 02 | - | 18 | 18 | - | 07 | 07 | 25 |
| September | EP | Seed production technique of oilseed crops | 02 | 18 | - | 18 | 07 | - | 07 | 25 |
| September | EP | Seed production technique of pulses | 02 | 19 | - | 19 | 06 | - | 06 | 25 |
| October | EP | IPM in Rabi crops | 01 | 12 | 02 | 14 | 05 | 01 | 06 | 20 |
| December | EP | Rejuvenation of old orchard | 02 | 10 | 02 | 12 | 02 | 01 | 03 | 15 |
| February | EP | Prevention of malnutrition among children by supplementation of low cost nutrition food | 02 | - | 16 | 16 | - | 09 | 09 | 25 |

**v) 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 progdramme** | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | **Total** | | | | | | | | |
| **b) Sponsored research programme** | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | **Total** | | | | | | | | |
| **c) Any special programmes** | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | **Total** | | | | | | | | |

**ACTION PLAN**

**(January, 2022 to December 2022)**

**OF *IN-SITU* CROP RESIDUE MANAGEMENT**

**Name of KVK: Bahraich-I Name of Host organization : NDUA&T, Kumarganj, Ayodhya**

**A) Name of Villages to be adopted**

| S. No. | Name of village | Name of block | Name of district |
|---|---|---|---|
| 1. | Kandausa | Fakharpur | Bahraich |
| 2. | Amwa Tetarpur | Fakharpur | Bahraich |
| 3. | Agnupurwa | Tejwapur | Bahraich |

**B) Requirement of Machinery**

| S. No. | Name of Machinery | No. of Machines required |
|---|---|---|
| 1. | Cutter cum spreader | **01** |
| 2. | Mulchur | **02** |
| 3. | Reversible M.B Plough | **02** |
| 4. | Zero till ferti cum seed dril | **01** |
| 5. | Happy seeder | **01** |

**C) CRM activities to be conducted**

| S. No. | Name of activity | Number/Area |
|---|---|---|
| 1 | Demonstration (ha) | 100 |
| 2 | Training courses (Number) | 06 |
| 3 | Kissan Mela (Number) | 01 |
| 4 | Farmer-Scientist interface (Number) | 03 |
| 5 | Awareness camps (number)<br>At village level, At block level, At district level | 25 |
| 6 | Mobilization of school students (Number of schools) | 03 |
| 7 | Mobilization of college students (Number of college) | 01 |

**D) Publicity and Advertisement**

| S. No. | Particulars | Number (s) |
|---|---|---|
| 1. | Advertisement in Print media | 10 |
| 2. | Columns/Articles in newspaper and magazines etc. to be published | 05 |
| 3. | Hoardings to be fixed (at Mandi/ Road side/ Market/ Schools/ Petrol pump/ Panchayat etc.) | 06 |
| 4. | Jingles on Radio/ TV, Scroll message on TV and Audio-Visual clips to be prepared | 05 |
| 5. | Poster/ Banner to be prepared | 200 |
| 6. | Publicity material – leaflets/ pamphlets etc. to be prepared | 10000 |
| 7. | TV programmes/ panel discussion Doordarshan/ DD-Kisan and other private channels | 03 |
| 8. | Any other (mention the name) | 0 |

# ICAR-ATARI, Kanpur

**Action Plan for Doubling Farmers Income by 2022**

**(To be filled in by KVKs)**

**(Please see the entire format before starting filling and do not insert any extra column in the format)**

**Summary of 02 Villages adapted by KVK for DFI:**

| Name of the KVK | Name of Villages | Block & Tehsil of Village | Total Population of Village | No of Farmer Family in the Village | Distance of Village from KVK | Distance between both Villages |
|---|---|---|---|---|---|---|
| **Bahraich** | **Madnagra** | **Payagpur** | **600** | **105** | **23Km** | **58 Km** |
| | **Srai Ali** | **Fakharpur** | **966** | **161** | **35Km** | **58Km** |

**Detail Information of 02 Villages adapted by KVK for DFI:**

| S.N. | Particular | Detail information in r/o Village1 | Detail information in r/o Village2 |
|---|---|---|---|
| **1** | Name of KVK | Bahraich | Bahraich |
| **2** | Name of villages to be adopted by KVK | Baghehya (Balkhra) | Srai Ali |
| **3** | Number of farmers to be targeted | 60 | 75 |
| **4** | Area of agriculture land (ha): | 100 | 162 |
| **5** | Area of irrigated land (ha): | 90 | 112 |
| **6** | Number of water body: | 03 | 03 |
| **7** | Area of water body (ha): | 1.0 | 4.2 |
| **8** | Number of different livestock animals: | 105 | 122 |
| **9** | Soil status: | Loam/sandy loam | Loam/sandy loam |
| **10** | Average nutrients (nitrogen, phosphorous, potash, etc) used: | Rice : 80 : 55 : 0 : 25 kg NPKZn/ha<br>Wheat 80 : 60 : 20 kg NPK /ha<br>Sugarcane: 200: 80: 40 Kg NPK /ha | Rice : 60 : 40 : 0 : 25 kg NPKZn/ha<br>Wheat : 80 : 40 : 20 kg NPK /ha<br>Sugarcane: 100: 60: 20Kg NPK /ha |
| **11** | Major diseases/ Insect occurred in crops: | Bacterial blight in rice and False smut in wheat. Early root & shoot Borer in sugarcane wilt in lentil | Bacterial blight in rice and False smut in wheat. Early root & shoot Borer in sugarcane wilt in lentil |

| | | | | | |
|---|---|---|---|---|---|
| **12** | Major diseases occurred in livestock: | Foot and mouth disease, reproductive disorder, mastitis and HS | | Foot and mouth disease, reproductive disorder, mastitis and HS | |
| **13** | Post-harvest management/ value addition followed, | Rice milling | | Rice milling | |
| **14** | Marketing channels of products: | Local market/ Govt. Mandi | | Local market/ Govt. Mandi | |
| **15** | Agro-based industries, if any: | No | | No | |
| **16** | Average income of the farmer: | 38000 | | 34000 | |
| **17** | Average yield of livestock: | 2.45 litre/day/animal | | 2.5 /litre/day/animal | |
| **18** | Average yield of fisheries: | 2.6 q/ha | | 3.2 q/hq | |
| **19** | **Average yield of different crops cultivated in the both Villages** | **Name of Crop** | **Yield of Crop in q/ha** | **Name of Crop** | **Yield of Crop in q/ha** |
| | | Rice (Hyb.) | 43.2 | Rice (Hyb.) | 42.0 |
| | | wheat | 41.25 | wheat | 39.30 |
| | | Mustard | 9.8 | Mustard | 8.50 |
| | | Sugarcane | 630 | Sugarcane | 610 |
| | | Lentil | 10.50 | Lentil | 9.75 |
| **20** | **Possibility of involvement of ICAR Institutes:** | **Name of the Institute** | **Likely Helps to be Taken** | **Name of the Institute** | **Likely Helps to be Taken** |
| | | IISR Lucknow | Latest technology of sugarcane cultivation | IISR Lucknow | Latest technology of sugarcane cultivation |
| | | ICAR-IIPR Kanpur | Supply of good quality pulses seed and demonstration | ICAR-IIPR Kanpur | Supply of good quality pulses seed and demonstration |
| | | ICAR-CARI Izatnagar | Supply of improved chicks of poultry | ICAR-CARI Izatnagar | Supply of improved chicks of poultry |
| | | ICAR_IIVR Varanasi | Supply of good quality pulses seed and demonstration | ICAR_IIVR Varanasi | Supply of good quality pulses seed and demonstration |
| **21** | **Possibility of involving private sectors for CSR funds (TCS, WIPRO, Reliance Industries, Bill &Millinda Gates Foundation, Dhanuka Group, Surya Foundation, Mahindra & Mahindra, etc.):** | **Name of Private Sector** | **Likely Helps to be Taken** | **Name of Private Sector** | **Likely Helps to be Taken** |
| | | Dhanuka | Supply of Improved insecticides | Dhanuka | Supply of Improved insecticides |

| | | | | | |
|---|---|---|---|---|---|
| | | Mahindra & Mahindra | Marketing and financial support for new agricultural technologies | Mahindra & Mahindra | Marketing and financial support for new agricultural technologies |
| | | Reliance Industries | Marketing of agri products. | Reliance Industries | Marketing of agri products. |
| | | Milinda Gates foundation | Marketing and financial support for new agricultural technologies | Milinda Gates foundation | Marketing and financial support for new agricultural technologies |
| **22** | **Name of other partners to be involved (State Deptt./ Central govt. Deptt./ PSU/ NGO/ Private org.):** | **Name of the Departments** | **Likely Helps to be Taken** | **Name of the Departments** | **Likely Helps to be Taken** |
| | | State Deptt. | Promotion of different Agri. and allied Schemes in the village | State Deptt. | Promotion of different Agri. and allied Schemes in the village |
| | | Central Govt. | Promotion of different Agri. and allied Schemes in the village | Central Govt. | Promotion of different Agri. and allied Schemes in the village |
| | | PSU/NGO/Pvt. | Marketing, collection of dairy products for marketing/ promotion of contract farming | PSU/NGO/Pvt. | Marketing, collection of dairy products for marketing/ promotion of contract farming |
| **23** | **FPO formed or not? (YES/NO)** | No | | No | |
| **24** | **Major interventions planned for Villages** | **List of Interventions** | | **List of Interventions** | |
| | | Integrated farming system | | Integrated farming system | |
| | | Promotion of high yielding varieties Supply of late sown wheat variety | | Promotion of high yielding varieties Supply of late sown wheat variety | |
| | | Intercropping in sugarcane | | Intercropping in sugarcane | |
| | | Promotion of vegetables Cultivations | | Promotion of vegetables Cultivations | |

| | | | |
|---|---|---|---|
| | | Use of IPM modules | Use of IPM modules |
| | | Backyard poultry, nutritional and Kitchen gardening | Backyard poultry, nutritional and Kitchen gardening |
| | | Promotion of improved breeds of livestock and poultry | Promotion of improved breeds of livestock and poultry |
| | | Promotion of post-harvest management and value addition | Promotion of post-harvest management and value addition |
| | | Formation of self-help group and FPO | Formation of self-help group and FPO |
| | | Promotion of mushroom, beekeeping and other agri based income generation enterprises. | Promotion of mushroom, beekeeping and other agri based income generation enterprises. |

**25. Action Plan (including interventions made) and Budget requirement for both the villages:**

| S. No. | | Activities planned | Expected Outcome | Budget (Rs. Lakh) | | | |
|---|---|---|---|---|---|---|---|
| 1 | Action Plan (including interventions made) for the Madnagra and Budget requirement: | **Madnagra** | | **2018- 19** | **2019- 20** | **2020- 21** | **2021- 22** |
| | | **Training on recent agricultural technologies/ exposure visit** | **Skill development** | 3.00 | 3.20 | 3.30 | 3.50 |
| | | **Demonstration on high yielding varieties of crops /vegetables and INM** | **20 % increase in yield which will increase in income of farmer** | 9.00 | 10.00 | 12.00 | 13.00 |
| | | **Lazer land levelling** | **Water saving up 40% with increase in yield up to 15%** | 6.50 | 1.00 | 1.00 | 1.00 |
| | | **Intercropping in sugarcane** | **Saving in water , cost of cultivation and increase in net return up to 25%** | 5.80 | 2.80 | 2.10 | 2.10 |
| | | **Demonstration on IFS models for different land holdings** | **Increase in income up to 35%** | 18.00 | 18.00 | 18.00 | 18.00 |
| | | **Demonstration on cultivation of high yielding vegetables varieties** | **25% increase in income** | 5.50 | 5.50 | 6.00 | 6.00 |
| | | **Use of IPM modules in vegetables/ crops** | **15 % saving in expenditure on pesticides with quality production** | 1.00 | 1.50 | 2.00 | 2.00 |
| | | **Demonstration on backyard poultry, nutritional/ kitchen gardening** | **18% increase in income with nutritious diet** | 2.50 | 2.50 | 3.00 | 3.00 |
| | | **Development of dairy, poultry and goat farming.** | **25 % increase in income** | 5.00 | 5.00 | 5.00 | 5.00 |
| | | **Demonstration on post-harvest technologies/ value addition** | **25 % increase in income** | 2.10 | 2.20 | 2.50 | 2.50 |
| | | **Development of self help group** | **15% increase in income** | 1.00 | 1.00 | 1.00 | 1.00 |
| | | **Development of mushroom , bee keeping unit etc.** | **16 % increase in income** | 2.00 | 2.00 | 2.00 | 2.00 |
| | | | **Total Village Madnagra** | **61.4** | **54.7** | **57.9** | **59.1** |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **2** | **Action Plan (including interventions made) for the Sarai Ali and Budget requirement:** | **Training on recent agricultural technologies/ exposure visit** | **Skill development** | 3.25 | 3.50 | 3.45 | 3.70 |
| | | **Demonstration on high yielding varieties of crops /vegetables and INM** | **20 % increase in yield which will increase in income of farmer** | 9.50 | 10.30 | 12.40 | 13.50 |
| | | **Lazer land levelling** | **Water saving up 40% with increase in yield up to 15%** | 6.80 | 1.40 | 1.40 | 1.40 |
| | | **Intercropping in sugarcane** | **Saving in water , cost of cultivation and increase in net return up to 25%** | 5.75 | 3.00 | 2.40 | 2.56 |
| | | **Demonstration on IFS models for different land holdings** | **Increase in income up to 35%** | 18.50 | 18.75 | 19.00 | 19.40 |
| | | **Demonstration on cultivation of high yielding vegetables varieties** | **25% increase in income** | 6.00 | 6.25 | 6.70 | 6.70 |
| | | **Use of IPM modules in vegetables/ crops** | **15 % saving in expenditure on pesticides with quality production** | 1.25 | 1.50 | 2.25 | 2.25 |
| | | **Demonstration on backyard poultry, nutritional/ kitchen gardening** | **18% increase in income with nutritious diet** | 2.75 | 2.75 | 3.25 | 3.30 |
| | | **Development of dairy, poultry and goat farming.** | **25 % increase in income** | 5.30 | 5.30 | 5.40 | 5.40 |
| | | **Demonstration on post-harvest technologies/ value addition** | **25 % increase in income** | 2.35 | 2.50 | 2.65 | 2.65 |
| | | **Development of self help group** | **15% increase in income** | 1.30 | 1.40 | 1.50 | 1.60 |
| | | **Development of mushroom , bee keeping unit etc.** | **16 % increase in income** | 2.35 | 2.45 | 2.60 | 2.75 |
| | | | **Total Village Sarai Ali** | **187.9** | **168.5** | **178.8** | **183.41** |
| | | | **Grand Total** | **249.3** | **223.2** | **236.7** | **242.51** |

# Krishi Vigyan Kendra, Bahraich

## Action Plan for NARI- Nutrition Sensitive Agricultural Resources and Innovation (Jan to Dec., 2022)

**Summary of 02 Villages adapted by KVK for NARI:**

| Name of the KVK | Name of Villages | Block & Tehsil of Village | Total Population of Village | No of Farmer Family in the Village | Distance of Village from KVK | Distance between both Villages |
|---|---|---|---|---|---|---|
| **Bahraich** | **Madnagra** | **Payagpur** | **600** | **105** | **23Km** | **58 Km** |
| | **Srai Ali** | **Fakharpur** | **966** | **161** | **35Km** | **58Km** |

**Detail Information of 02 Villages adapted by KVK for NARI:**

| S.N. | Particular | Detail information in r/o Village1 | Detail information in r/o Village2 |
|---|---|---|---|
| **1** | Name of KVK | Bahraich | Bahraich |
| **2** | Name of villages to be adopted by KVK | Baghehya (Balkhra) | Srai Ali |
| **3** | Number of farmers to be targeted | 60 | 75 |
| **4** | Area of agriculture land (ha): | 100 | 162 |
| **5** | Area of irrigated land (ha): | 90 | 112 |
| **6** | Number of water body: | 03 | 03 |
| **7** | Area of water body (ha): | 1.0 | 4.2 |
| **8** | Number of different livestock animals: | 105 | 122 |
| **9** | Soil status: | Loam/sandy loam | Loam/sandy loam |
| **10** | Average nutrients (nitrogen, phosphorous, potash, etc) used: | Rice : 80 : 55 : 0 : 25 kg NPKZn/ha<br>Wheat 80 : 60 : 20 kg NPK /ha<br>Sugarcane: 200: 80: 40 Kg NPK /ha | Rice : 60 : 40 : 0 : 25 kg NPKZn/ha<br>Wheat : 80 : 40 : 20 kg NPK /ha<br>Sugarcane: 100: 60: 20Kg NPK /ha |
| **11** | Major diseases/ Insect occurred in crops: | Bacterial blight in rice and False smut in wheat. Early root & shoot Borer in sugarcane wilt in lentil | Bacterial blight in rice and False smut in wheat. Early root & shoot Borer in sugarcane wilt in lentil |

| | | | | | |
|---|---|---|---|---|---|
| **12** | Major diseases occurred in livestock: | Foot and mouth disease, reproductive disorder, mastitis and HS | | Foot and mouth disease, reproductive disorder, mastitis and HS | |
| **13** | Post-harvest management/ value addition followed, if any: | Rice milling | | Rice milling | |
| **14** | Marketing channels of products: | Local market/ Govt. Mandi | | Local market/ Govt. Mandi | |
| **15** | Agro-based industries, if any: | No | | No | |
| **16** | Average income of the farmer: | 38000 | | 34000 | |
| **17** | Average yield of livestock: | 2.45 litre/day/animal | | 2.5 /litre/day/animal | |
| **18** | Average yield of fisheries: | 2.6 q/ha | | 3.2 q/hq | |
| **19** | **Average yield of different crops cultivated in the both Villages** | **Name of Crop** | **Yield of Crop in q/ha** | **Name of Crop** | **Yield of Crop in q/ha** |
| | | Rice (Hyb.) | 43.2 | Rice (Hyb.) | 42.0 |
| | | wheat | 41.25 | wheat | 39.30 |
| | | Mustard | 9.8 | Mustard | 8.50 |
| | | Sugarcane | 630 | Sugarcane | 610 |
| | | Lentil | 10.50 | Lentil | 9.75 |
| | | | | | |
| **20** | **Possibility of involvement of ICAR Institutes:** | **Name of the Institute** | **Likely Helps to be Taken** | **Name of the Institute** | **Likely Helps to be Taken** |
| | | IISR Lucknow | Latest technology of sugarcane cultivation | IISR Lucknow | Latest technology of sugarcane cultivation |
| | | ICAR-IIPR Kanpur | Supply of good quality pulses seed and demonstration | ICAR-IIPR Kanpur | Supply of good quality pulses seed and demonstration |
| | | ICAR-CARI Izatnagar | Supply of improved chicks of poultry | ICAR-CARI Izatnagar | Supply of improved chicks of poultry |
| | | ICAR_IIVR Varanasi | Supply of good quality pulses seed and demonstration | ICAR_IIVR Varanasi | Supply of good quality pulses seed and demonstration |
| **21** | **Possibility of involving private sectors for CSR funds (TCS, WIPRO, Reliance Industries, Bill** | **Name of Private Sector** | **Likely Helps to be Taken** | **Name of Private Sector** | **Likely Helps to be Taken** |

| | | | | | |
|---|---|---|---|---|---|
| | **&Millinda Gates Foundation, Dhanuka Group, Surya Foundation, Mahindra & Mahindra, etc.):** | Dhanuka | Supply of Improved insecticides | Dhanuka | Supply of Improved insecticides |
| | | Mahindra & Mahindra | Marketing and financial support for new agricultural technologies | Mahindra & Mahindra | Marketing and financial support for new agricultural technologies |
| | | Reliance Industries | Marketing of agri products. | Reliance Industries | Marketing of agri products. |
| | | Milinda Gates foundation | Marketing and financial support for new agricultural technologies | Milinda Gates foundation | Marketing and financial support for new agricultural technologies |
| **22** | **Name of other partners to be involved (State Deptt./ Central govt. Deptt./ PSU/ NGO/ Private org.):** | **Name of the Departments** | **Likely Helps to be Taken** | **Name of the Departments** | **Likely Helps to be Taken** |
| | | State Deptt. | Promotion of different Agri. and allied Schemes in the village | State Deptt. | Promotion of different Agri. and allied Schemes in the village |
| | | Central Govt. | Promotion of different Agri. and allied Schemes in the village | Central Govt. | Promotion of different Agri. and allied Schemes in the village |
| | | PSU/NGO/Pvt. | Marketing, collection of dairy products for marketing/ promotion of contract farming | PSU/NGO/Pvt. | Marketing, collection of dairy products for marketing/ promotion of contract farming |
| **23** | **FPO formed or not? (YES/NO)** | No | | No | |
| **24** | **Major interventions planned for Villages** | **List of Interventions** | | **List of Interventions** | |
| | | Integrated farming system | | Integrated farming system | |
| | | Promotion of high yielding varieties<br>Supply of late sown wheat variety | | Promotion of high yielding varieties<br>Supply of late sown wheat variety | |

| | | | |
|---|---|---|---|
| | | Intercropping in sugarcane | Intercropping in sugarcane |
| | | Promotion of vegetables Cultivations | Promotion of vegetables Cultivations |
| | | Use of IPM modules | Use of IPM modules |
| | | Backyard poultry, nutritional and Kitchen gardening | Backyard poultry, nutritional and Kitchen gardening |
| | | Promotion of improved breeds of livestock and poultry | Promotion of improved breeds of livestock and poultry |
| | | Promotion of post-harvest management and value addition | Promotion of post-harvest management and value addition |
| | | Formation of self-help group and FPO | Formation of self-help group and FPO |
| | | Promotion of mushroom, beekeeping and other agri based income generation enterprises. | Promotion of mushroom, beekeeping and other agri based income generation enterprises. |