

# ACTION PLAN

## (Jan., 2024 to Dec., 2024)

### 1. GENERAL INFORMATION ABOUT THE KVK

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

| Address  | Telephone |     | E-mail             | Website           |
|--|-----------|-----|--------------------|-------------------|
|  | Office    | Fax |                    |                   |
| Krishi Vigyan Kendra<br>Babugarh, Hapur (U.P.)<br>- 245101 | -         | -   | hapurkvk@gmail.com | www.hapur.kvk4.in |

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

| Address                                    | Telephone                       |                  | E-mail | Website              |
|--|---------------------------------|------------------|--------|----------------------|
|  | Office                          | FAX              |        |                      |
| S.V.P.U. & T.<br>Meerut (U.P.) -<br>250110 | 0121-<br>2888540<br><br>2888511 | 0121-<br>2888540 |        | www.svbpmeerut.ac.in |

#### 1.2.b. Status of KVK website : Yes([hapur.kvk4.in](http://hapur.kvk4.in))

#### 1.2. c. No. of Visitors (Hits) to your KVK website (as on today) :1014

#### 1.2.d. Status of ICT Lab at your KVK : No






- a) No. of PC units : 01
- b) No. of Printers : 01
- c) Internet connection : Yes








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

| Name                | Telephone / Contact |            |                    |
|---------------------|---------------------|------------|--------------------|
|                     | Residence           | Mobile     | E-mail             |
| Dr. Arvind<br>kumar | -                   | 9410443028 | hapurkvk@gmail.com |

#### 1.4. Year of sanction: 2018(ICAR, Letter No.A.Extn.7/4/2016-AE-II 08June 2018)

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

| Sl. No. | Sanctioned post           | Name of the incumbent | Designation  | Discipline       | Pay scale (Rs.) | Grade pay | Present Basic | Date of Joining | Permanent / Temporary | Category | Mobile No.     | Email id                 | Please attach recent photograph   |
|---------|---------------------------|-----------------------|--|------------------|-----------------|-----------|---------------|-----------------|-----------------------|----------|----------------|--------------------------|---|
| 1.      | Sr. Scientist & Head      | Dr. Arvind Kumar      | Assoc. Dir. Ext. / Assoc. Professor and Officer Incharge | Plant Protection | 37400-67400     | 9000      | 156900        | 10.12.03        | Permanent             | OBC      | +91-9410443028 | arvidkvk@rediffmail.com  |    |
| 2.      | Subject Matter Specialist | Dr. P. K. Madke       | SMS/Asst. Prof   | A.H & Dairying   | 15600-39100     | 8000      | 101100        | 27.06.08        | Permanent             | SC       | +91-9012439468 | madkepramod55@gmail.com  |    |
| 3.      | Subject Matter Specialist | Dr. Virendra Pal      | SMS/Asst. Prof.  | Horticulture     | 15600-39100     | 8000      | 101100        | 20-08-2008      | Permanent             | OBC      | 9456662212     | dvpgangwar77@gmail.com   |    |
| 4.      | Subject Matter Specialist | Dr. Vinita Singh      | SMS  | Home sci.        | 15600-39100     | 5400      | 57800         | 11.07.22        | Permanent             | SC       | 8840836503     | vinitasrbhu13@gmail.com  |   |
| 5.      | Subject Matter Specialist | Dr. Neelam            | SMS  | Agri. Ext.       | 15600-39100     | 5400      | 57800         | 01.09.22        | Permanent             | SC       | 7494865713     | kumarineelam44@gmail.com |  |
| 6.      | Subject Matter Specialist |                       | SMS  | Vacant.          | 15600-39100     |           |               |                 |                       |          |                |                          |   |
| 7.      | Subject Matter Specialist |                       | SMS  | Vacant.          | 15600-39100     |           |               |                 |                       |          |                |                          |   |

|     |                                 |                            |                                 |              |            |              |       |            |           |      |                |                              |   |
|-----|---------------------------------|----------------------------|---------------------------------|--------------|------------|--------------|-------|------------|-----------|------|----------------|------------------------------|---|
| 8.  | Farm Manager                    | Dr. Ashok                  | Farm Manager                    | Soil Science | 9300-34800 | -            | 58600 | 30-7-2007  | Permanent | Gen. | 9412405845     | drashoksengar123@gmail.com   |    |
| 9.  | Prog. Assistant                 | Sri. Nagendra Pratap Singh | Prog. Assistant                 | Computer     | 9300-34800 | -            | 58600 | 01-09-2007 | Permanent | SC   | +91-9412060554 | nagendrapratap1973@gmail.com |    |
| 10. | Prog. Assistant                 | Smt. Akansha Chauhan       | Prog. Assistant /Lab technician |              | 9300-34800 | -            | 44900 | 11.04.16   | Permanent | Gen. | +91-9758093880 | aku12akansha1@gmail.com      |    |
| 11. | Accountant / Superintendent     | Sri. P.K. Agarwal          | Accountant / Superintendent     | Accounts     | 9300-34800 | Addi. charge | 56900 | 26.12.08   | Permanent | Gen  | +91-9456255103 |                              |    |
| 12. | Stenographer/ computer operator | Sh. Yogendra kumar Sharma  | Stenographer/ computer operator | -            | 5200-20200 |              | 44100 | 27.07.07   | Permanent | Gen  | +91-9456687355 | sharmayks71@gmail.com        |    |
| 13. | Driver                          | Shri Mukesh Kumar          | Driver                          | Driver       | 5200-20200 | -            | 39200 | 08.12.13   | Permanent | SC   | +91-9458739410 | mukeshkumarkvk1011@gmail.com |   |
| 14. | Driver                          | Vacant                     | Driver                          | Vacant       |            | -            |       |            |           |      |                |                              |   |
| 15. | Supporting staff                | Shri T.B.Ale               | Supporting staff                | Cook         | 2550-3290  | -            | 38600 | 01.07.1988 | Permanent | Gen. | +91-9997611921 |                              |  |
| 16. | Supporting staff                | Vacant                     | Supporting staff                | -            | -          | -            |       |            |           |      |                |                              |   |

**1.6. Total land with KVK (in ha): 12.0**

| S. No. | Item  | Area (ha)   |
|--------|---|-------------|
| 1      | Under Buildings (Adim. + Farmer's Hostel + Residence + Demonstration Units) | 1.5         |
| 2.     | Under Crops   | 9.4         |
| 3.     | Barran Land (Problematic & sodicity)  | 0.5         |
| 4.     | Orchard/Agro-forestry   | 0.6         |
| 5.     | Land encroachment   | -           |
| 5.     | <b>Total</b>  | <b>12.0</b> |

**1.7. Infrastructural Development:**

**A) Buildings**

| S. No. | Name of building             | Source of funding | Stage           |                    |                   |               |                    |                        | Required Now | Needs renovation |  |
|--------|------------------------------|-------------------|-----------------|--------------------|-------------------|---------------|--------------------|------------------------|--------------|------------------|--|
|        |                              |                   | Complete        |                    |                   | Incomplete    |                    |                        |              |                  |  |
|        |                              |                   | Completion Date | Plinth area (Sq.m) | Expenditure (Rs.) | Starting Date | Plinth area (Sq.m) | Status of construction |              |                  |  |
| 1.     | Administrative Building      | ICAR              |                 | 510                |                   |               |                    |                        | Completed.   |                  |  |
| 2.     | Farmers Hostel               | ICAR              |                 | 300                |                   |               |                    |                        |              |                  |  |
| 3.     | Staff Quarters (6)           | ICAR              |                 | 431                |                   |               |                    |                        |              |                  |  |
| 4.     | Demonstration Units (2)      | ICAR              |                 | 160                |                   |               |                    |                        |              |                  |  |
| 5      | Fencing                      | ICAR              |                 | 2000 R/M           |                   |               |                    |                        |              |                  |  |
| 6      | Rain Water harvesting system | -                 | -               | -                  |                   |               |                    |                        |              |                  |  |
| 7      | Threshing floor              | ICAR              |                 | 300                |                   |               |                    |                        |              |                  |  |
| 8      | Farm godown                  | ICAR              |                 | 60                 |                   |               |                    |                        |              |                  |  |
| 9      | Irrigation Channel           | ICAR              |                 | 1000 M             |                   |               |                    |                        |              |                  |  |

**B) Vehicles - NA**

| Type of vehicle | Year of purchase              | Cost (Rs.)<br>Lac | Total kms. Run | Present status        |
|-----------------|-------------------------------|-------------------|----------------|-----------------------|
| Tractor         | Transfer from KVK<br>GB Nagar | -                 | 261 hours      | Not Working condition |
| Bolero Jeep     | March 2022                    | 8.0               | 18000          | Working               |
| Motor cycle     |                               |                   |                |                       |

**C) Equipments & AV aids - NA**

| Name of the equipment                 | Year of purchase | Cost (Rs.) | Present status |
|---------------------------------------|------------------|------------|----------------|
| L.C.D. Projector                      |                  |            |                |
| U.P.S.                                |                  |            |                |
| Solar (Lalten)                        |                  |            |                |
| Electric Padestral Fan                |                  |            |                |
| Padestral Fan                         |                  |            |                |
| 11 cultivator                         |                  |            |                |
| 14 Tawa Harrow                        |                  |            |                |
| Leveller                              |                  |            |                |
| Nepseeke Spray (Plastic)              |                  |            |                |
| Foot Sprayer                          |                  |            |                |
| Disk Bund Farmer                      |                  |            |                |
| Seed Drill                            |                  |            |                |
| Hand Rotary Fan                       |                  |            |                |
| Trailer for Tractor                   |                  |            |                |
| Hand Vinoi Fan                        |                  |            |                |
| S.D. Memory cord of LCD with Recorder |                  |            |                |
| Solar domestic light (Model IV)       |                  |            |                |
| Computer & Printer                    | March 2022       | 0.50       | Working        |

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

| Sl.No.                           | Date         |
|----------------------------------|--------------|
| 1. Scientific Advisory Committee | 08 Nov, 2023 |

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

### **2.1 Micro-farming situations**

#### **a) Characteristics**

| <b>S. No.</b> | <b>Agro-Ecological situations (AES)</b>   | <b>Existing Farming System (Crop + livestock + others)</b>                            | <b>Major soil types</b>  |
|---------------|---|---|--|
| 1             | I- Western plain zone of the district (Hapur, Gharmukteshwar, Dholana,)           | Paddy, wheat, sugarcane+ Poplar+ A.H. (Cow, buffalo)                                  | -Loam and clay loam with high fertility<br>- medium rainfall               |
| 2             | II. Western Plain zone/ Central east southern region of the district (Simbhawali) | Paddy, wheat, potato, sugarcane, Cabbage, mustard-based systems + horticulture + A.H. | -Sandy loam to loam soil of medium fertility<br>- medium rainfall          |
| 3             | III. Western plain zone/ central region of the district (Gharmukteshwar)          | Paddy, wheat, sugarcane, Cabbage based systems + poplar + A.H.+ Hort.                 | -Sandy loam to loam and clay soil of medium fertility<br>- medium rainfall |

#### **b) Land Characteristics**

| <b>S.No</b> | <b>Agro-Ecological Situation (AES)</b>            | <b>Topography</b>  | <b>Drainage</b>  |
|-------------|---|--|--|
| 1.          | <b>AES-1</b><br>(Hapur, Gharmukteshwar, Dholana,) | The soils of this AES are loam, clay loam and are generally fertile. Some parts in this AES are low lying where pulse crop is cultivated in Kharif. This AES is mainly irrigated by Gang canal and quality of water is suitable for irrigation.  | Some parts in this AES are low lying hence conditions like waterlog prevailed during rains. Drainage is a problem in some part of the AES.     |
| 2.          | <b>AES-2</b><br>(Simbhawali)                      | The soils of this AES are generally loam, sandy loam but not too fertile because of salinity & alkalinity. The quality of water is also varies and do not suitable for irrigation due to high concentration of salt. Some part of this AES are also affected with the spillover of waste water from Simbhawali sugar mill in drainage.   | The drainage is not a major problem in this AES but being availability of poor quality water hampers the growth of crops.                      |
| 3.          | <b>AES-3</b><br>(Gharmukteshwar)                  | Garhmukteshwar has a monsoon influenced humid subtropical climate characterized by very hot summers and cool winters. Summers last from early April to late June during and are extremely hot, with temperatures reaching 43 °C (109 °F). The monsoon arrives in late June and continues till the middle of September. Temperatures drop slightly, with plenty of cloud cover but with higher humidity. Temperatures rise again in October and the town then has a mild, dry winter season from late October to the middle of March. Lowest temperature recorded is 0.5 °C (32.9 °F). Rainfall is about 80 cm to 100 cm per annum, which is suitable for growing crops. Most of the rainfall is received during the monsoon. Humidity varies from 30 to 100% | Drainage is a major and serious problem in this AES. Many time if there is heavy rain or untimely rain during Rabi damage the crop completely. |

**c) AES-wise major problems**

| S.No | Agro-Ecological Situation (AES)  | Major problems  | Rank       |
|------|--|---|------------|
| 1.   | <p><b>AES-1</b><br/>The soils of this AES are loam, sandy loam and are generally fertile. Some parts in this AES are low lying where Paddy is cultivated in Kharif. This AES is mainly irrigated by Gang canal and quality of water is suitable for irrigation except few parts where saline water is available. The main crops of this AES are Paddy, Sugarcane, Jawar, Mustard, Wheat, Barley and vegetable crops. Floriculture and some fruit crops are also grown. (Hapur, Gharmukteshwar, Dholana,)</p> | <p>Salinity in soil and irrigation water in some part of this AES</p>   | <p>III</p> |
| 2.   | <p><b>AES-2</b><br/>The soils of this AES are generally loam, sandy loam but not too fertile because of salinity &amp; alkalinity. The quality of water is also varies and do not suitable for irrigation due to high concentration of salt. Some part of this AES are also affected with the waste water from simmbhawali sugar mill in drainage and hence Bajra, Jawar, Mustard, paddy, sugarcane &amp; Wheat. (Simbhawali)</p>  | <p>The soils in this AES are not too fertile because of salinity.</p> <p>The quality of water is also varies and do not suitable for irrigation due to high concentration of salt.</p> <p>Some part of this AES are also affected with the waste water from Simbhawali sugar mill in drainage</p> | <p>I</p>   |
| 3.   | <p><b>AES-3</b><br/>The AES is semi waterlogged specially the areas in Chhata &amp; Nandgaun. The soils are loam, sandy loam with some patches of Usar soils. The quality of water for irrigation is not good. Main crops of this AES are Sugarcane, Jawar, Paddy, Wheat &amp; Mustard. (Gharmukteshwar)</p>   | <p>The AES is heavy rain or untimely rain during Rabi damage the crop completely.</p>   | <p>II</p>  |

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

| S. No    | Crop  | Area (ha) | Production (MT) | Productivity (q/ha) | Yield gap (q/ha) with respect to demo | Yield gap (q/ha) with respect to potential yield |
|----------|---|-----------|-----------------|---------------------|---------------------------------------|--|
| <b>A</b> | <b>FIELD CROPS INCLUDING OIL SEEDS AND PULSES</b> |           |                 |                     |                                       |  |
| 1.       | Wheat   | 42279     | 187000          | 44.23               | 12                                    | 15.0   |
| 2.       | Lentil  | 231.00    | 223.00          | 9.64                | 11.6                                  | 14.2   |
| 3.       | Toria   | 2238.00   | 2293            | 10.25               | 8.2                                   | 10.8   |
| 4.       | Mustard   | 2404      | 2902            | 12.07               | 9.0                                   | 10.0   |
| 5.       | Paddy (Rice)                                      | 28458     | 56667.00        | 29.33               | 24                                    | 26   |
| 6.       | Maize   | 1995      | 48837.6         | 24.48               | -                                     | 15   |
|          | Urd   | 1122.00   | 6911.52         | 06.16               | 7.56                                  | 9.35   |
|          | Moong   | 6500.00   | 290.55          | 04.47               | 5.46                                  | 7.56   |
|          | Arhar   | 1186.00   | 2488.00         | 08.00               | 6.25                                  | 9.02   |
| 7.       | Sugarcane   | 36.4      |                 | 785.6               | 14.0                                  | 16.25  |
| <b>B</b> | <b>VEGETABLES</b>                                 |           |                 |                     |                                       |  |
| 1.       | Potato  | 1071      | 24036           | 230.03              | 11.3                                  | 13.02  |
| 2.       |   |           |                 |                     |                                       |  |
| 3.       |   |           |                 |                     |                                       |  |
| 4.       |   |           |                 |                     |                                       |  |
| 5.       |   |           |                 |                     |                                       |  |

## 2.3 Weather data (rainfall)Dist. Hapur (2022-23)

| Year         | Month | Rainfall (mm) | Temperature °C |          | Relative Humidity (%) |         |
|--------------|-------|---------------|----------------|----------|-----------------------|---------|
|              |       |               | Maximum        | Minimum  | Maximum               | Minimum |
| <b>2022</b>  |       |               |                |          |                       |         |
|              | Jan.  | 15.5          | 17.57          | 5.51     | 28.32                 |         |
|              | Feb.  | 39.5          | 46.31          | 15.57    | 29.2                  |         |
|              | March | 15.6          | 33.99          | 16.86    | 58.50                 |         |
|              | April | 10.50         | 42.2           | 13.0     | 62                    |         |
|              | May   | 13.30         | 42.2           | 19.5     | 63                    |         |
|              | June  | 70.70         | 40.0           | 20.0     | 58                    |         |
|              | July  | 201.30        | 35.0           | 24.0     | 53                    |         |
|              | Aug.  | 190.40        | 36.0           | 31.0     | 65                    |         |
|              | Sep.  | 136.90        | 36.5           | 31.5     | 68                    |         |
|              | Oct   | 19.90         | 28.8           | 23.0     | 65                    |         |
|              | Nov.  | 2.10          | 22.0           | 18.0     | 62                    |         |
|              | Dec.  | 9.5           | 18.0           | 16.0     | 70                    |         |
| <b>2023</b>  |       | <b>0</b>      | <b>0</b>       | <b>0</b> | <b>0</b>              |         |
|              | Jan.  | 0.50          | 16.0           | 14.0     | 85                    |         |
|              | Feb.  | 18.47         | 22.0           | 16.0     | 80                    |         |
|              | March | 4.96          | 29.5           | 18.0     | 60                    |         |
|              | April | 55.1          | 38.07          | 21.3     | 29.30                 |         |
|              | May   | 21.6          | 41.37          | 25.35    | 28.32                 |         |
|              | June  | 15.6          | 25.20          | 12.00    | 58.50                 |         |
|              | July  | 20.6          | 40.37          | 26.10    | 25.25                 |         |
|              | Aug.  | 54.1          | 38.09          | 21.35    | 29.40                 |         |
|              | Sep.  | 15.6          | 25.20          | 12.00    | 58.50                 |         |
|              | Oct.  | 0             | 32.00          | 20.23    | 25.21                 |         |
| <b>Total</b> |       | <b>931.73</b> | -              | -        | -                     | -       |



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

| Category                 | Population         | Production         | Productivity          | Productivity gap |
|--------------------------|--------------------|--------------------|-----------------------|------------------|
| <b>Cattle</b>            |                    |                    |                       |                  |
| <i>Crossbred</i>         | 40263              | 65.725             | 9.56 Litre Milk / day | 1.5              |
| <i>Indigenous</i>        | -                  |                    |                       |                  |
| <b>Buffalo</b>           | 161321             | 340.893            | 5.90 / day            | 0.9              |
| <b>Cow</b>               | 40263              | 55.65              | 9.56 Litre Milk / day | 1.5              |
| <b>Sheep</b>             |                    |                    |                       |                  |
| <i>Crossbred</i>         | -                  | -                  | -                     |                  |
| <i>Indigenous</i>        | 1335               | 3.16               | 0.50 / day            | -                |
| <b>Goats</b>             | 37523              | 9.16               | 0.32 / day            | -                |
| <b>Pigs</b>              |                    |                    |                       |                  |
| <i>Crossbred</i>         | -                  | -                  | -                     |                  |
| <i>Indigenous</i>        | 4675               | -                  | -                     | -                |
| <b>Rabbits</b>           | Data not available | Data not available | Data not available    |                  |
| <b>Hens</b>              |                    |                    |                       |                  |
| <i>Desi</i>              |                    |                    |                       |                  |
| <i>Improved</i>          |                    |                    |                       |                  |
| <b>Ducks</b>             |                    |                    |                       |                  |
| <b>Turkey and others</b> |                    |                    |                       |                  |
| <b>Fish</b>              |                    |                    |                       |                  |

## 2.5 Details of operation area/villages

| S. No. | Taluk/Village | Name of block | Major crops & enterprises                                 | Existing yield (q/ha, number/year)                | Major problem identified  | Identified thrust area  |
|--------|---------------|---------------|---|---|---|---|
| 1      | Upeda         | Hapur         | Paddy<br>Wheat<br>Sugarcane<br>Potato<br>Mustard<br>Dairy | 36.75<br>55.4<br>1080.0<br>245.0<br>18.0<br>32.34 | Low Productivity of paddy, wheat, mustard, urd etc.<br><br>The main reason of low yield is due to lack of high yielding varieties, imbalance use of fertilizer & less awareness of insect and disease control timely. | Diversification in agriculture<br><br>Lack of high yielding varieties.<br>Less availability of plant protection measures. |
| 2      | Sikhera       | Sambhawali    | Paddy<br>Urd<br>Wheat<br>Sugarcane<br>Banana              | 33.5<br>4.85<br>50.9<br>960.0<br>44.23            | Low Productivity of paddy, wheat, mustard, urd etc.   | Diversification in agriculture<br>Lack of high yielding varieties.  |

|   |                     |                |  |   |  |   |
|---|---------------------|----------------|--|---|--|---|
|   |                     |                | Mustard,<br>Dairy  | 13.75<br>21.05  | The main reason of low yield is due to lack of high yielding varieties, imbalance use of fertilizer & less awareness of insect and disease control timely.<br>Low yield of paddy, wheat, & mustard   | Less availability of plant protection measures.<br><br>Heavy infestation of weeds.  |
| 3 | Badgpur             | Hapur          | Paddy<br>Wheat<br>Sugarcane<br>Mustard<br>Dairy<br>Chilli,<br>Bottle guard,<br>Cabbage | 31.5<br>45.2<br>935.0<br>17.2<br>28.9<br>8.8<br>9.45<br>22.56 | Poor milk production and infertility in animals.<br><br>Lack of knowledge of quality planting material and production technology in horticultural crops.<br><br>Low yield of paddy, wheat, & mustard   | Diversification in Agriculture.<br><br>Use of improved variety and IPM, ICM.<br><br>Heavy infestation of weeds.   |
| 4 | Dhatiyana           | Sambha<br>wali | Paddy<br>Wheat<br>Sugarcane<br>Papaya<br>Mustard<br>Potato<br>Dairy                    | 35.7<br>43.8<br>960.0<br>18.95<br>15.89<br>265.0<br>25.71     | Use of local varieties of different crops by the farmers.<br><br>Pest problems<br><br><br>Low yield of paddy, wheat, Papaya & mustard  | Diversification in Agriculture.<br><br>Use of improved variety and IPM, ICM.<br><br>Heavy infestation of weeds.   |
| 5 | Kaniya<br>Kalyanpur | Sambha<br>wali | Paddy<br>Wheat<br>Sugarcane<br>Mustard<br>Onion<br>Dairy<br>Potato                     | 28.7<br>46.0<br>840.0<br>9.45<br>5.75<br>18.95<br>245.0       | Lack of knowledge of improved varieties of different crops.<br>- Pest problems<br>- Lack of knowledge of inter cropping<br>- Crop management & nutrient management.<br>- Disease & insect control of cereals and vegetable crops.<br>- Poor milk production and infertility in animals | Diversification in agriculture.<br>Use of improved varieties.<br><br>Inter cropping technique.<br>Crop management.<br><br>Weed control<br><br>Unawareness of diseases and insect control. |
| 6 | Simmroli            | Hapur          | Paddy<br>Wheat   | 31.7<br>43.65   | Lack of knowledge of improved varieties of different crops.  | Diversification in agriculture.<br>Use of improved  |

|  |  |  |           |       |   |   |
|--|--|--|-----------|-------|---|---|
|  |  |  | Sugarcane | 860.0 | <ul style="list-style-type: none"> <li>- Pest problems</li> <li>- Lack of knowledge of value addition &amp; nutrient management in women.</li> <li>- Disease &amp; insect control of cereals and vegetable crops.</li> <li>- Poor milk production and infertility in animals</li> </ul> | varieties.  |
|  |  |  | Mustard   | 16.95 |   | Value addition & Nutri thali.                                   |
|  |  |  | Dairy     | 22.2  |   |   |
|  |  |  | Cucurbits | 8.45  |   | Weed control  |
|  |  |  |           |       |   | Unawareness of diseases and insect control.<br>Dairy management |

## 2.6 Priority/ Thrust Areas

- 1.Improving productivity of oil seeds crops.
- 2.Weed management in crops
- 3.Promotion of IPNM & balance use of fertilizer
- 4.Promotion of IPM technology
- 5.Malnutrition in children & pregnant women & Small scale income generating enterprises

## 3 .TECHNICAL PROGRAMME

### 3. A. Details of targeted mandatory activities by KVK during Jan. 2024-Dec.2024

| OFT         |                | FLD       |                |             |                |
|-------------|----------------|-----------|----------------|-------------|----------------|
| No. of OFTs | No. of Farmers | Crops     |                | Livestock   |                |
|             |                | Area (ha) | No. of Farmers | No. of unit | No. of Farmers |
| 08          | 89 Farmer      | 56.5 ha.  | 230            | 20 Animal   | 20             |

| CFLD – NFSM Project |                |
|---------------------|----------------|
| Crops               |                |
| Area (ha)           | No. of Farmers |
| 50.0                | 125            |

| Training       |                     | Extension Activities |                     |
|----------------|---------------------|----------------------|---------------------|
| No. of Courses | No. of Participants | No. of activities    | No. of participants |
| 100            | 2000                | 362                  | 5439                |

| Seed Production (Qtl.) | Planting material production (Nos.) | Fish seed prod. (Nos) | Soil Samples analyzed (Nos.) |
|------------------------|-------------------------------------|-----------------------|------------------------------|
| 200                    | 20000                               | -                     | -                            |

### 3 B Abstract of interventions to be undertaken

| S. No | Thrust areas                | Crop/ Enterprise | Identified problem   | Title of OFT if any  | Title of FLD if any | Title of training for extension personnel if any  | Extension activities | Supply of seeds, planting materials etc.  | Title of Training, if any                                      |
|-------|-----------------------------|------------------|--|--|---------------------|---|----------------------|---|--|
| 1.    | Resource conservation       | Mango            | Low productivity of mango varieties Dashaheeri and Langra due to highly dense mango orchards   | Assessment of Canopy management of mid-age mango orchards (>25years) though centre opening | -                   | 1. Nutrient management in mango<br>2. Rejuvenation of mango orchards<br>3. Fertilizer management in Mango orchard | Field Day            | COC, Boron, Zinc and CuSO <sub>4</sub>  | Nutrient management in mango                                   |
| 2.    | Integrated Pest Management. | Sugarcane        | Loss in cane yield (10-24%) of the crop leading to reduction in farmer's income  | Assessment of IPM module for the management of shoot borer, top borer in sugarcane         | -                   | 1. Importance of Seed treatment.<br>2. Installation of Trichocard.<br>3. Use of Pheromone traps                   | Field Day            | Chloropyriphos 20 EC, Carbendazim 50WP, Fertera 0.4G, Trichocard and Pheromone trap with lure | Importance of soil application of pesticides in Sugarcane crop |
| 3.    | IWM                         | Paddy            | Rice is one of the major crop in the district during <i>Kharif</i> season covering more than 0.94 lakh ha area. Heavy infestation of weeds ( <i>Echinochloa colona</i> , <i>Echinochloa crusgalli</i> , <i>Fimbristylis milliacea</i> , <i>Cyprus rotendus</i> , <i>Cyprus difformis</i> , <i>Marsilea quadrifolia</i> etc.) | Weed Management in Transplanted Rice through chemical method.                              | -                   | 1. Weed Management in Transplanted Rice   | Field day            | Weedicide   | Weed management in paddy                                       |

|    |                                      |                |  |   |  |  |           |   |   |
|----|--------------------------------------|----------------|--|---|--|--|-----------|---|---|
|    |                                      |                | causes competition with main crop and reduces the crop yield drastically.        |   |  |  |           |   |   |
| 4. | INM and WM                           | Sugarcane      | Low yield of sugarcane   | Assesment of insect pests and weed management                                 | -                                      | 1.Importance of INM in sugarcane crop.<br>2. WM in sugarcane crop.                                 | Field day | SMI (Soil Moisture Indicator)<br>Balanced fertilizer<br>NPK | Use of Balance fertilizer in sugarcane crop             |
| 5. | Varietal                             | Wheat          | Sowing of traditional variety in late sown condition through broadcasting method | Assement of line sowing method & recommended dose of fertilizer in wheat crop | -                                      | 1. Production technique through line sowing method.<br>2. Use of balance fertilizer in wheat crop. | Field day | Seed + balanced fertilizer                                  | Weed management in wheat crop.                          |
| 6. | Reproduction and breeding management | Buffalo        | Higher incidences of repeat breeding   | Management of <b>repeat breeding</b> in dairy animals                         | -                                      | 1. Importance of Animal nutrition feed   | Field day | Mineral Mixture, Dewormer & hormonal treatment as per need  | Importance of mineral mixture & vitamins in animal feed |
| 7. | Reproduction and breeding management | Cattle         | Higher incidences of repeat breeding   | Management of <b>repeat breeding</b> in dairy animals                         | -                                      | 1. Importance of Animal nutrition feed   | Field day | Mineral Mixture, Dewormer & hormonal treatment as per need  | Importance of mineral mixture & vitamins in animal feed |
| 8. | Reproduction and breeding management | Cattle/Buffalo | Poor management practices during Peri-parturient period                          | Management of <b>Peri-parturient</b> problems in dairy animals                | -                                      | 1. Use of Feed Supplement during transition period   | Field day | Metabolite mixture  | Importance of mineral mixture & vitamins in animal feed |
| 9. | Promotion of ICM                     | Urd            | - Use of local/ own seed<br>No use of weedicide                                  | -   | Demonstration of HYV & weed management | Crop production technology   | Field day | -Seed<br>-Weedicide<br>- Sulphur<br>- Insecticide           | Integrated crop production                              |

|    |  |              |  |   |   |   |            |  |   |
|----|--|--------------|--|---|---|---|------------|--|---|
| 10 | Promotion of ICM                       | Mustard      | -No application of Sulphur & No use of weedicide | - | Demonstration of HYV+ weed & Sulphur application                                      | Crop production technology  | Field days | -Seed<br>- Sulphur<br>- insecticide<br>- Fungicide | Importance of sulphur & Weed management in mustard    |
| 11 | Promotion of ICM                       | Pigeon       | -No application of Sulphur & No use of weedicide | - | Demonstration of HYV+ weed & Sulphur application                                      | Crop production technology  | Field days | -Seed<br>- Sulphur<br>- insecticide<br>- Fungicide | Importance of sulphur & Weed management in pigeon pea |
| 12 | Promotion of ICM                       | Lentil       | - Use of local/ own seed<br>No use of weedicide  | - | Demonstration of HYV & weed management  | Crop production technology  | Field day  | -Seed<br>-Weedicide<br>- Sulphur<br>- Insecticide  | Integrated crop production                            |
| 13 | Integrated nutrient Management         | Pearl millet | Low yield due to imbalance fertilizer            | - | Nutrient management through water soluble fertilizer (N:P:K-18:18:18) in pearl millet | Importance of water soluble fertilizer in pearl millet                          | Field day  | water soluble fertilizer (N:P:K-18:18:18)          | Integrated nutrient Management                        |
| 14 | Promotion of HYV (Varietal Evaluation) | Sorghum      | Low yield due to old varieties                   | - | Demonstration of promising variety 'CSV 15' of sorghum for higher productivity        | Selection & cultivation of suitable varieties for higher & productivity return. | Field Day  | Sorghum Seed                                       | Varietal Evaluation                                   |
| 15 | Weed management                        | Wheat        | Infestation of weed in wheat field               | - | Control of weed management through Carfentrazone ethyl 40% d.f.                       | Weed management in wheat  | Field day  | Weedicide  | - Integrated weed management                          |

|    |  |          |  |   |   |  |           |                          |  |
|----|--|----------|--|---|---|--|-----------|--------------------------|--|
|    |  |          |  |   | @ 20g a.i./ha   |  |           |                          |  |
| 16 | Integrated Nutrient management         | Wheat    | imbalance use of fertilizer              | - | Use of water-soluble fertilizers in wheat                           | Balance use of fertilizer in wheat                                     | Field day | Water soluble fertilizer | Balance use of fertilizers   |
| 17 | IPM                                    | Paddy    | Brown plant hopper                       | - | Demons. efficacy of Imidacloprid 17.8% SL @ 4.0 lit/ha. (Two spray) | Integrated pest management   | Field day | Insecticide              | IPM in paddy   |
| 18 | IPM                                    | Tomato   | Offruit fly                              | - | Use of Fly trap for control offruit fly                             | Integrated pest management   | Field day | Insecticide              | IPM in tomato  |
| 19 | Weed management                        | S.cane   | Infestation of weed in Sugarcane         | - | Control of weed management through Tembotrioen @ 250ml/ha.          | Weed management in Sugarcane   | Field day | Weedicide                | - Integrated weed management   |
| 20 | Diversification in Farming systems     | Marigold | Low yield due to old variety of Marigold |   | Introduction of marigold variety                                    | Fertilizer management in Marigold crop.<br>Nursery raising of marigold | Field day | Seed                     | Fertilizer management in Marigold crop.<br>Nursery raising of marigold |
| 21 | Promotion of HYV (Varietal Evaluation) | Okra     | Low yield due to old variety of Okra     |   | Introduction of Okra variety  | Fertilizer management in okra crop.                                    | Field day | Seed                     | Fertilizer management in okra crop.                                    |
| 22 | Diversification in                     | Onion    | Low yield due to old variety of Onion    |   | Introduction of Onion   | Fertilizer management in   | Field day | Seed                     | Fertilizer management in   |



|    |                                    |                |   |   |                                    |  |                  |                 |  |
|----|------------------------------------|----------------|---|---|------------------------------------|--|------------------|-----------------|--|
|    | Farming systems                    |                |   |   | variety                            | onion crop.<br>Nursery raising of onion                    |                  |                 | onion crop.<br>Nursery raising of onion                  |
| 23 | Diversification in Farming systems | Garden Pea     | Varietal Evaluation                                     |   | Introduction of garden pea variety | Sowing techniques of Garden pea.                           | Field day        | Seed            | Sowing techniques of Garden pea.                         |
| 24 | Animal Nutrition Management        | Buffalo        | Less lactation period due to not use of mineral mixture | - | Use of mineral mixture             | Feed and fodder management                                 | FLD and Training | Mineral mixture | Role of mineral mixture for control of sterility problem |
| 25 | Feed and Fodder technology         | Oat            | Use of Local variety                                    | - | Use of improved variety of Oat     | Fodder production techniques                               | Field day        | Seed            | Green fodder production techniques in whole year         |
| 26 | Feed and Fodder technology         | Barseem        | Use of Local variety                                    | - | Use of improved variety of Barseem | Fodder production techniques                               | Field day        | Seed            | Green fodder production techniques in whole year         |
| 27 | Nutritional Security               | Kitchen Garden | To additional income                                    | - | Kitchen Garden                     | Production of organic vegetable in kitchen garden (Zaid)   | FLD and Training | Vegetable Seeds | Production of organic vegetable in kitchen garden        |
| 28 | Nutritional Security               | Kitchen Garden | To additional income                                    | - | Kitchen Garden                     | Production of organic vegetable in kitchen garden (Kharif) | FLD and Training | Vegetable Seeds | Production of organic vegetable in kitchen garden        |
| 29 | Nutritional Security               | Kitchen Garden | To additional income                                    | - | Kitchen Garden                     | Production of organic vegetable in kitchen garden (Rabi)   | FLD and Training | Vegetable Seeds | Production of organic vegetable in kitchen garden        |
| 30 | Value                              | Preparation    | To additional income                                    | - | Value addition                     | Preparation of   | FLD and          | Pulses and      | Preparation of   |

|  |          |                                 |  |  |  |                 |          |                   |   |                 |
|--|----------|---------------------------------|--|--|--|-----------------|----------|-------------------|---|-----------------|
|  | addition | from pulses and vegetable Badis |  |  | of pulses and Vegetable BADIS for gradational income | Vegetable BADIS | Training | vegetable species | + | Vegetable BADIS |
|--|----------|---------------------------------|--|--|--|-----------------|----------|-------------------|---|-----------------|

### **3.1 Technologies to be assessed and refined**

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

| Thematic areas                            | Cereals  | Oil-seeds | 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                | -        | -         | -        | -                | -          | -        | -        | -                | -           | -        |
| Integrated Nutrient management            | -        | -         | -        | 1                | -          | -        | -        | -                | -           | 1        |
| Integrated Farming system                 | -        | -         | -        | -                | -          | -        | -        | -                | -           | -        |
| Mushroom cultivation                      | -        | -         | -        | -                | -          | -        | -        | -                | -           | -        |
| Drudgery reduction                        | -        | -         | -        | -                | -          | -        | -        | -                | -           | -        |
| Farm machineries                          | -        | -         | -        | -                | -          | -        | -        | -                | -           | -        |
| Value addition                            | -        | -         | -        | -                | -          | -        | -        | -                | -           | -        |
| Post harvest technology                   | -        | -         | -        | -                | -          | -        | -        | -                | -           | -        |
| Integrated pest management                | -        | -         | -        | 1                | -          | -        | -        | -                | -           | 1        |
| Integrated disease management             | -        | -         | -        | -                | -          | -        | -        | -                | -           | -        |
| Resource conservation technology          | -        | -         | -        | -                | -          | 1        | -        | -                | -           | 1        |
| Small scale income generating enterprises | -        | -         | -        | -                | -          | -        | -        | -                | -           | -        |
| <b>TOTAL</b>                              | <b>2</b> | <b>-</b>  | <b>-</b> | <b>2</b>         | <b>-</b>   | <b>1</b> | <b>-</b> | <b>-</b>         | <b>-</b>    | <b>5</b> |

**A.2 Abstract on the number of technologies to be assessed in respect of livestock/  
Enterprises in OFT -**

| Thematic areas                            | Cattle   | Poultry | Sheep | Goat | Piggery | Rabbitary | Fisheries | Total    |
|---|----------|---------|-------|------|---------|-----------|-----------|----------|
| Evaluation of Breeds                      | -        | -       | -     | -    | -       | -         | -         | -        |
| Nutrition management                      | -        | -       | -     | -    | -       | -         | -         | -        |
| Disease of management                     | -        | -       | -     | -    | -       | -         | -         | -        |
| Value addition                            | -        | -       | -     | -    | -       | -         | -         | -        |
| Production & Management                   | 3        | -       | -     | -    | -       | -         | -         | 3        |
| Feed and Fodder                           | -        | -       | -     | -    | -       | -         | -         | -        |
| Small scale income generating enterprises | -        | -       | -     | -    | -       | -         | -         | -        |
| <b>TOTAL</b>                              | <b>3</b> | -       | -     | -    | -       | -         | -         | <b>3</b> |

## B. Details of On Farm Trial:

### OFT-1 RESOURCE CONSERVATION (Season – Rabi 2024-25)

|                                   |  |
|-----------------------------------|--|
| <b>Crop/Enterprises</b>           | Mango  |
| <b>Title</b>                      | Canopy management of mid-age mango orchards (>25years) though centre opening   |
| <b>Thematic area</b>              | Resource conservation  |
| <b>Major Problems</b>             | Low productivity of mango varieties Dashaheri and Langra due to highly dense mango orchards  |
| <b>Major Cause</b>                | <ul style="list-style-type: none"> <li>• Low light interception</li> <li>• Low photosynthesis</li> <li>• Highly dense tall trees with intervening branches</li> <li>• Use of imbalance dose of nutrients</li> <li>• Incidence of Gummosis</li> </ul> |
| <b>Name of interventions</b>      | T1 - Farmers practice-No pruning + Application of 2 kg DAP in the month of October<br>T2 - Centre opening + COC - 2kg + FYM, N, P, K, B, Zn and CuSO <sub>4</sub> @ 50kg, 1000,750,750, 250, 250 and 250 gm/tree/year                                |
| <b>No. of farmers</b>             | 05   |
| <b>Area</b>                       | 05 plant/location=25 plants  |
| <b>Cost of input</b>              | Rs 6000/-  |
| <b>Source of Technology</b>       | ICAR-CISH, Lucknow   |
| <b>Critical Input</b>             | COC, Boron, Zinc and CuSO <sub>4</sub>   |
| <b>Observation to be recorded</b> | <ul style="list-style-type: none"> <li>• Days to flowering after pruning</li> <li>• Days to fruit set after pruning</li> <li>• Size of fruit</li> <li>• Fruit yield</li> <li>• Percent of disease incidence and insect infestation</li> </ul>        |
| <b>Name of Scientist</b>          | Dr. Virendra Pal, SMS/Assit. Prof. (Horticulture)  |

### OFT-2 INTEGRATED PEST MANAGEMENT (Season - Zaid 2024)

|                              |  |
|------------------------------|--|
| <b>Crop/Enterprises</b>      | Sugarcane  |
| <b>Title</b>                 | Assessment of IPM module for the management of shoot borer, top borer in sugarcane   |
| <b>Thematic area</b>         | Integrated Pest Management   |
| <b>Major Problems</b>        | Loss in cane yield (10-24%) of the crop leading to reduction in farmer's income  |
| <b>Major Cause</b>           | <ul style="list-style-type: none"> <li>• Low quality cane production and reduction in crop productivity due to heavy infestation of shoot borer, top borer.</li> <li>• Reduction in height and weight of cane due to such common borer infestation</li> <li>• High residual effect in bi-products of sugarcane due to non judicious use of pesticides to control borer</li> <li>• Increase in infestation rate due to excess use of nitrogenous fertilizer.</li> </ul>                           |
| <b>Name of interventions</b> | T1- Farmers practice- Furadan 3G @ 30 kg/ha and Chlorantraniliprole 18.5 SC @375 ml/ha<br><br>T2- <ul style="list-style-type: none"> <li>• Preference to the single bud method of sugarcane cultivation.</li> <li>• For the ease of <b>Seed treatment:</b> Chlorpyrifos 20 EC @40ml and Carbendazim @50g/10lit water</li> <li>• <b>Soil application:</b> Fertera 0.4 G @22.5 kg/ha at planting and drenching of Chlorantraniliprole 18.5 SC @375 ml/ha in 700 lit. of water at 60 DAP</li> </ul> |

|                                   |   |
|-----------------------------------|---|
|                                   | <ul style="list-style-type: none"> <li>• <b>Installation of Trichocard</b> @7.5 card/ha(@50000 parasitoid/ha) at 45,60,75(at two weeks), 150 and 180 DAP(5 times during peak of egg laying)</li> <li>• <b>Pheromone traps</b> @ 27/ha at 45 DAP (lure change at an interval of 45 days) 10 meter distance from boundary &amp; 20 meter distance between 2 trap should be maintain.</li> </ul>   |
| <b>No. of farmers</b>             | 05  |
| <b>Area</b>                       | 2.0 hectare (0.4x5= 2.0)  |
| <b>Cost of IPM modules</b>        | Rs. 9038.00/acre(Total Rs. 45190/- for 2.0 hectare area)  |
| <b>Source of Technology</b>       | ICAR-IISR, Lucknow  |
| <b>Critical Input</b>             | Chloropyriphos 20 EC, Carbendazim 50WP, Fertera 0.4G, Trichocard and Pheromone trap with lure   |
| <b>Observation to be recorded</b> | <ul style="list-style-type: none"> <li>• Germination percent</li> <li>• No of tillers/5*2 m<sup>2</sup></li> <li>• Height (m) of healthy and infected cane.</li> <li>• Cane girth (cm) of healthy and infected (5 cane each insect).</li> <li>• Infestation % of shoot borer &amp; top borer.</li> <li>• Weight (g) of healthy and infested cane</li> <li>• Infestation of other insect-pest</li> <li>• Yield (t/ha)</li> <li>• B:C ratio</li> <li>• Meteorological data for crop period</li> </ul> |
| <b>Name of Scientist</b>          | Dr. Arvind Kumar, Associate Prof. (Plant Protection)  |

### OFT- 3 INTEGRATED WEED MANAGEMENT Paddy (Season – Kharif 2024)

|  |  |
|--|--|
| <b>Title</b>   | Weed Management in Transplanted Rice through chemical method.  |
| <b>Problem diagnosed</b>                             | Rice is one of the major crop in the district during <i>Kharif</i> season covering more than 0.94 lakh ha area. Heavy infestation of weeds ( <i>Echinochloa colona</i> , <i>Echinochloa crusgalli</i> , <i>Fimbristylis milliacea</i> , <i>Cyprus rotendus</i> , <i>Cyprus difformis</i> , <i>Marsilea quadrifolia</i> etc.) causes competition with main crop and reduces the crop yield drastically. |
| <b>Micro farming situation</b>                       | Irrigated condition with Medium land under Rice-Wheat cropping system.   |
| <b>Thematic area</b>                                 | IWM  |
| <b>Details of technology identified for solution</b> | T1: Bis-pyribac Sodium 10% @ 200-250 ml/ha<br>T2: Trifamone 20%+Ethoxysulfuron10%WG @ 90g/ha.<br>T3: Bispyribac Sodium 38% + Chlorimuron Ethyl 2.5% + Metsulfuron Methyl 2.5%(w/w) WG @ 100g/ha  |
| <b>Source of Technology</b>                          | ICAR-DWR, Jabalpur   |
| <b>No. of farmers</b>                                | 10   |
| <b>Area</b>  | (10x800)=8000 sq. m.   |
| <b>Critical inputs</b>                               | Weedicide  |
| <b>Total Cost</b>                                    | Rs. 4000.00/- approx.  |
| <b>Performance Indicator</b>                         |  |
| <b>Technical</b>                                     | <ol style="list-style-type: none"> <li>1. Weed density at 30 and 45 DAT (No. of weeds/m<sup>2</sup>).</li> <li>2. Number of different weeds species (Number/m<sup>2</sup>).</li> <li>3. Total weed dry weight (g/m<sup>2</sup>)</li> <li>4. Major weed flora.</li> </ol>   |

|                          |  |
|--------------------------|--|
|                          | 5. Number of effective tillers per plant (Number/m <sup>2</sup> ).   |
| <b>Economical</b>        | 1. Grain Yield (q/ha).<br>2. Straw Yield (q/ha).<br>3. Cost of Cultivation (Rs./ha)<br>4. Net Return (Rs./ha)<br>5. Cost Benefit Ratio (C:B Ratio) |
| <b>Social</b>            | 1. Adoption Rate.<br>2. Suitability of Technology.<br>3. Feedback of farmers   |
| <b>Name of Scientist</b> | Dr. Ashok Singh, (Soil Science)  |

**OFT- 4 INTEGRATED NUTRIENT MANAGEMENT & WEED MANAGEMENT**  
Sugarcane (Season – Zaid 2024)

|   |  |
|---|--|
| <b>Crop/Enterprises</b>   | Sugarcane (Zaid-2024)  |
| <b>Problem diagnosed</b>  | Low yield of sugarcane   |
| <b>Major cause</b>  | High infestation of insect pests and weed  |
| <b>Thematic Area</b>  | INM and WM   |
| <b>Details of technologies selected for assessment/refinement</b> | T1: Farmer's practice (flood irrigation + 400K urea + 130 kg DAP +0 kg potash per kg)<br><br>T2: Use balanced fertilizer as per soil testing value and irrigate on the basis of soil moisture indicator  |
| <b>Replications</b>   | 03 (Area – 0.4 * 3 = 1.2 ha)   |
| <b>Critical inputs</b>  | <ul style="list-style-type: none"> <li>• SMI (Soil Moisture Indicator)</li> <li>• Balanced fertilizer NPK</li> </ul>   |
| <b>Source of technology</b>                                       | ICAR-IARI, New Delhi   |
| <b>Observations to be recorded</b>                                | <ul style="list-style-type: none"> <li>• Pest build up (insect, disease infestation and weed population per m)</li> <li>• No. of irrigation and fertilizer saving</li> <li>• Cost of cultivation</li> <li>• Yield q/ha</li> <li>• B:C ratio</li> </ul> |
| <b>Name of Scientist</b>  | Dr. Ashok Singh, (Soil Science)  |

**OFT- 5 Varietal  
Wheat (Season – Rabi 2024-25)**

|   |   |
|---|---|
| <b>Crop/Enterprises</b>   | Wheat (Rabi 2024-25)  |
| <b>Problem diagnosed</b>  | Low production in late sown condition   |
| <b>Major cause</b>  | Sowing of traditional variety in late sown condition through broadcasting method  |
| <b>Thematic Area</b>  | Varietal  |
| <b>Details of technologies selected for assessment/refinement</b> | T1: Farmer's practice – Use of old variety (DBW-173) and application of 100:60:0 kg NPK<br>T2: Line sowing of wheat variety HD-3298 + application of recommendation dose of fertilizer @ 80:60:40 and Zinc (on the basis of soil testing)   |
| <b>Source of technology</b>                                       | ICAR-IARI, New Delhi  |
| <b>No. of farmers</b>   | 06  |
| <b>Critical inputs</b>  | Seed + balanced fertilizer  |
| <b>Source of technology</b>                                       | ICAR-IARI, New Delhi  |
| <b>Plot size &amp; sowing time</b>                                | 800 sq. m per farmer & between 15-30 Dec.   |
| <b>Observations to be recorded</b>                                | <ul style="list-style-type: none"> <li>• Seed rate</li> <li>• Plant population per m<sup>2</sup> at 20-25 days &amp; at harvesting</li> <li>• No. of effective tillers (60 DAS)</li> <li>• Days taken to maturity</li> <li>• Yield 10 m<sup>2</sup> area (randomly from 4-5 places) per q per ha.</li> <li>• B:C ratio</li> </ul> |
| <b>Name of Scientist</b>  | Dr. Arvind Kumar, Associate Prof. (Plant Protection)  |

**OFT – 6 REPRODUCTION AND BREEDING MANAGEMENT**

**Buffalo (Season - Winter 2024)**

|                              |   |
|------------------------------|---|
| <b>Title</b>                 | Management of <b>repeat breeding</b> in dairy animals   |
| <b>Major Problems</b>        | Higher incidences of repeat breeding  |
| <b>Major cause</b>           | Nutritional deficiency and hormonal disbalance  |
| <b>Name of intervention</b>  | T1 : Farmers practice: Use of choker and common salt<br>T2 : Dewormer + Use of Feed Supplement (Trace mineral) @50 gm/day /animal for 3 months + Hormonal treatment if needed   |
| <b>No. of Farmer</b>         | 10 + 10   |
| <b>Thematic Area</b>         | Reproduction and breeding management  |
| <b>Cost of input</b>         | Rs. 10000/-   |
| <b>Source of Technology</b>  | ICAR-IVRI, Izatnagar  |
| <b>Critical Input</b>        | Mineral Mixture, Dewormer & hormonal treatment as per need  |
| <b>Performance indicator</b> | <p><b>A) Technical</b></p> <ol style="list-style-type: none"> <li>1. Non Return Rate</li> <li>2. Calving to conception interval</li> <li>3. Conception rate</li> </ol> <p><b>B) Economic:</b> C:B Ratio</p> <p><b>C) Social:</b> Adoptability</p> |
| <b>Name of Scientist</b>     | Dr. P.K. Madke SMS/Assit. Prof. (Animal Science)  |



**OFT – 7 REPRODUCTION AND BREEDING MANAGEMENT  
Cattle (Season - Kharif 2024)**

|                              |   |
|------------------------------|---|
| <b>Crop/Enterprises</b>      | <b>Cattle (Age group – 4 to 6 years)</b>  |
| <b>Title</b>                 | Management of <b>repeat breeding</b> in dairy animals   |
| <b>Major Problems</b>        | Higher incidences of repeat breeding  |
| <b>Major cause</b>           | Nutritional deficiency and hormonal disbalance  |
| <b>Name of intervention</b>  | T1 : Farmers practice: Use of choker and common salt<br>T2 : Dewormer + Use of Feed Supplement (Trace mineral) @50 gm /day /animal for 3 months + Hormonal treatment if needed  |
| <b>No. of Farmer</b>         | 10 + 10   |
| <b>Thematic Area</b>         | Reproduction and breeding management  |
| <b>Cost of input</b>         | Rs. 10000/-   |
| <b>Source of Technology</b>  | ICAR-IVRI, Izatnagar  |
| <b>Critical Input</b>        | Mineral Mixture, Dewormer & hormonal treatment as per need  |
| <b>Performance indicator</b> | <p><b>A) Technical</b></p> <ol style="list-style-type: none"> <li>1. Non Return Rate</li> <li>2. Calving to conception interval</li> <li>3. Conception rate</li> </ol> <p><b>B) Economic:</b> C:B Ratio</p> <p><b>C) Social:</b> Adoptability</p> |
| <b>Name of Scientist</b>     | Dr. P.K. Madke SMS/Assit. Prof. (Animal Science)  |

**OFT – 8 REPRODUCTION AND BREEDING MANAGEMENT  
Cattle/Buffalo (Season - Kharif 2024)**

|                             |   |
|-----------------------------|---|
| <b>Crop/Enterprises</b>     | <b>Cattle/Buffalo</b>   |
| <b>Title</b>                | Management of <b>Peri-parturient</b> problems in dairy animals  |
| <b>Major Problems</b>       | Poor management practices during Peri-parturient period   |
| <b>Major cause</b>          | Poor nutrient management  |
| <b>Name of intervention</b> | <b>T1</b> : Farmers practice: Use of choker +Common salt<br><b>T2</b> : Use of Feed Supplement (Metabolite mixture@100g/day) during transition period |
| <b>No. of Farmer</b>        | 10 + 10   |
| <b>Thematic Area</b>        | Reproduction and breeding management  |
| <b>Cost of input</b>        | Rs. 10000/-   |
| <b>Source of Technology</b> | ICAR-NDRI, Karnal   |
| <b>Critical Input</b>       | Metabolite mixture  |

|                          |   |
|--------------------------|---|
| Performance indicator    | <p>A) <b>Technical</b></p> <ol style="list-style-type: none"> <li>1. Incidence of post parturient problems (%)</li> <li>2. Service period</li> <li>3. Conception rate</li> </ol> <p>B) <b>Economic:</b> C:B Ratio</p> <p>C) <b>Social:</b> Adoptability</p> |
| <b>Name of Scientist</b> | Dr. P.K. Madke SMS/Assit. Prof. (Animal Science)  |

## **3.2 Frontline Demonstrations**

### **3.2.1 FLD on Oil seeds & Pulses under NFSM Project**

#### **A. Oil Seeds:**

#### **Mustard**

| Crop    | Variety                         | Thematic area              | Technology Demonstrated   | Critical input  | Season and year        | Area ( ha) | No. of farmers | Parameter identified   |
|---------|---------------------------------|----------------------------|---|---|------------------------|------------|----------------|--|
| Mustard | R.H – 0749/ As per availability | Integrated crop management | To demonstrate the HYV (RH-0749), Sulphur application (@ 25 Kg/ha.) & Aphid management in Mustard crop. | <ul style="list-style-type: none"> <li>- Use of HYV</li> <li>- Water soluble fertilizer(18:18:18) @ 5 Kg/ha.</li> <li>- Sulphur application @ 25 kg/ha</li> <li>- Monocrotophos 36%SL @ 15 lit/ha.</li> <li>- Mencozeb75% WP @ 2.0 Kg/ha.</li> <li>- Budget required Rs. 180,000/-</li> </ul> | <i>Rabi</i><br>2024-25 | 20.0       | 50             | <ul style="list-style-type: none"> <li>- Yield (q/ha.)</li> <li>- B:C ratio</li> </ul> |

#### **Extension and Training Activities**

| S.No. | Activity                             | No. of activities | Month         | No. of participation |
|-------|--------------------------------------|-------------------|---------------|----------------------|
| 1     | Field days                           | 02                | Jan/Feb.2025  | 40                   |
| 2     | Farmers training                     | 02                | Oct./Nov.2024 | 40                   |
| 3     | Media coverage                       | 02                | -             | -                    |
| 4     | Training for extension functionaries | 01                | Sept.2024     | 10                   |

## B. Pulses :

### I. Blackgram

| Crop       | Variety                         | Thematic area              | Technology Demonstrated  | Critical input   | Season and year       | Area ( ha) | No. of farmers | Parameter identified   |
|------------|---------------------------------|----------------------------|--|--|-----------------------|------------|----------------|--|
| Black gram | PU-31<br>Or As per availability | Integrated crop management | To demonstrate the HYV (PU- 31), weed mang. (Imazethapyr, Sulphur (@ 25 Kg/ha.) & Yellow mosaic management (Imidacloprid@ 250 ml/ha.) in urd crop. | <ul style="list-style-type: none"> <li>- Seed (HYV)</li> <li>- Imazethapyr @ 625 ml/ha.</li> <li>- Water soluble fertilizer(18:18:18) @ 5 Kg/ha.</li> <li>- Sulphur @ 25 Kg/ha.</li> <li>- Imidacloprid @ 250ml/ha.</li> </ul> Total cost= Rs. 90000/- | <i>Kharif</i><br>2024 | 10.0       | 25             | <ul style="list-style-type: none"> <li>- Yield (q/ha.)</li> <li>- B:C ratio</li> </ul> |

### Extension and Training Activities

| S.No. | Activity                             | No. of activities | Month           | No. of participation |
|-------|--------------------------------------|-------------------|-----------------|----------------------|
| 1     | Field days                           | 01                | Sept./ Oct.2024 | 25                   |
| 2     | Farmers training                     | 01                | Aug.2024        | 20                   |
| 3     | Media coverage                       | 02                | -               | -                    |
| 4     | Training for extension functionaries | 01                | Aug, 2024       | 10                   |

### C. Pulses :

#### II. Arhar

| Crop       | Variety                         | Thematic area              | Technology Demonstrated  | Critical input   | Season and year | Area ( ha) | No. of farmers | Parameter identified   |
|------------|---------------------------------|----------------------------|--|--|-----------------|------------|----------------|--|
| Pigeon pea | Pusa 885 or As per availability | Integrated crop management | To demonstrate the HYV (Pusa 885), weed mang. (Imazethapyr, Sulphur (@ 25 Kg/ha.) & Yellow mosaic management (Imidacloprid@ 250 ml/ha.) in urd crop. | <ul style="list-style-type: none"> <li>- Seed (HYV)</li> <li>- Imazethapyr @ 625 ml/ha.</li> <li>- Water soluble fertilizer(18:18:18) @ 5 Kg/ha.</li> <li>- Sulphur @ 25 Kg/ha.</li> <li>- Imidacloprid @ 250ml/ha.</li> </ul> Total cost= Rs. 90000/- | Kharif 2024     | 10.0       | 25             | <ul style="list-style-type: none"> <li>- Yield (q/ha.)</li> <li>- B:C ratio</li> </ul> |

#### Extension and Training Activities

| S.No. | Activity                             | No. of activities | Month           | No. of participation |
|-------|--------------------------------------|-------------------|-----------------|----------------------|
| 1     | Field days                           | 01                | Sept./ Oct.2024 | 25                   |
| 2     | Farmers training                     | 01                | Aug.2024        | 20                   |
| 3     | Media coverage                       | 02                | -               | -                    |
| 4     | Training for extension functionaries | 01                | Aug, 2024       | 10                   |

**d. Pulses :**

**III. Lentil**

| Crop   | Variety                        | Thematic area              | Technology Demonstrated  | Critical input   | Season and year | Area ( ha) | No. of farmers | Parameter identified           |
|--------|--------------------------------|----------------------------|--|--|-----------------|------------|----------------|--------------------------------|
| Lentil | PL-8<br>or As per availability | Integrated crop management | To demonstrate the HYV (PL-8), weed mang.<br>(Pendimethalin 3.5 lit/ha., & Rust management<br>Carbendazim + mencozeb/triazoles 2.5 gm/lit. of water<br>Sulphur (@ 25 Kg/ha.) | - Seed (HYV)<br>- (Pendimethalin 3.5 lit/ha.,<br>- Sulphur @ 25 Kg/ha.<br>- Rust management<br>Carbendazim + mencozeb/triazoles @ 250gm/ha.<br>Total cost= Rs. 90000/- | Rabi<br>2024-25 | 10.0       | 25             | - Yield (q/ha.)<br>- B:C ratio |

**Extension and Training Activities**

| S.No. | Activity                             | No. of activities | Month         | No. of participation |
|-------|--------------------------------------|-------------------|---------------|----------------------|
| 1     | Field days                           | 01                | Jan/Feb.2025  | 25                   |
| 2     | Farmers training                     | 01                | Oct./Nov.2024 | 20                   |
| 3     | Media coverage                       | 02                | -             | -                    |
| 4     | Training for extension functionaries | 01                | Sept.2024     | 10                   |

### Sponsored Demonstration C-FLDs under NFSM

| Sl. No. | Crop                     | Area (ha)      | No. of farmers |
|---------|--------------------------|----------------|----------------|
| 1       | Mustard (Rabi 2024-25)   | 20.0 ha.       | 50             |
| 2       | Black gram (Kharif 2024) | 10.0 ha.       | 25             |
| 3       | Pigeon Pea (Kharif 2024) | 10.0 ha.       | 25             |
| 4       | Lentil (Rabi 2024-25)    | 10.0 ha.       | 25             |
|         | <b>TOTAL</b>             | <b>50.0 ha</b> | <b>125</b>     |

### 3.2.2FLD Other than oil seeds & Pulses

#### FLD No. - 1

| Crop         | Variety            | Thematic area                  | Technology Demonstrated   | Critical input  | Season and year | Area ( ha) | No. of farmers | Parameter identified  |
|--------------|--------------------|--------------------------------|---|---|-----------------|------------|----------------|---|
| Pearl millet | PUSA Composite 701 | Integrated Nutrient Management | Nutrient management through water soluble fertilizer (N:P:K-18:18:18) in pearl millet | N:P:K-18:18:18-7kg/ha @ Rs.100/kg<br>Cost: Rs. 700/- per ha<br>Total cost: Rs. 4200 | Kharif 2024     | 6.0        | 15             | <ul style="list-style-type: none"> <li>• Tillers per metre row</li> <li>• Grains per ear</li> <li>• Grain yield (q/ha)</li> <li>• Relative economics</li> </ul> |

#### Extension and Training Activities

| S.No. | Activity         | No. of activities | Month            | No. of participation |
|-------|------------------|-------------------|------------------|----------------------|
| 1     | Field Day        | 01                | September 2024   | 20                   |
| 2     | Farmers Training | 01                | July/August 2024 | 20                   |
| 3     | Media coverage   | 02                | -                | Mass                 |



**FLD No. - 2**

| Crop    | Variety | Thematic area | Technology Demonstrated  | Critical input   | Season and year | Area ( ha) | No. of farmers | Parameter identified  |
|---------|---------|---------------|--|--|-----------------|------------|----------------|---|
| Sorghum | CSV 15  | VE            | Demonstration of promising variety 'CSV 15' of sorghum for higher productivity | Sorghum variety seed 'CSV 15': 8kg/ha @ Rs.75/kg<br>Cost: Rs. 600/- per ha<br>- Total cost: Rs. 3600 | Kharif 2024     | 6.0        | 15             | <ul style="list-style-type: none"> <li>• Tillers per metre row</li> <li>• Grains per ear</li> <li>• Grain yield (q/ha)</li> <li>• Relative economics</li> </ul> |

**Extension and Training Activities**

| S.No. | Activity         | No. of activities | Month            | No. of participation |
|-------|------------------|-------------------|------------------|----------------------|
| 1     | Field Day        | 01                | September 2024   | 20                   |
| 2     | Farmers Training | 01                | July/August 2024 | 20                   |
| 3     | Media coverage   | 02                | -                | Mass                 |

**FLD No. - 3**

| Crop  | Variety                     | Thematic area   | Technology Demonstrated   | Critical input  | Season and year | Area ( ha) | No. of farmers | Parameter identified  |
|-------|-----------------------------|-----------------|---|---|-----------------|------------|----------------|---|
| Wheat | HD 3226/As per availability | Weed management | Weed management in wheat through Carfentrazone ethyl 40% d.f. @ 20g a.i./ha | Weedicide: 'Carfentrazone ethyl 40% d.f.' @ 20g a.i./ha<br>Cost: Rs. 700/- per ha<br>Total cost: Rs. 4200 | Rabi 2024-25    | 6.0        | 15             | <ul style="list-style-type: none"> <li>• Tillers per metre row</li> <li>• Weeds/m<sup>2</sup></li> <li>• Weed control efficiency</li> <li>• Grain yield (q/ha)</li> <li>• Relative economics</li> </ul> |

**Extension and Training Activities**

| S.No. | Activity         | No. of activities | Month         | No. of participation |
|-------|------------------|-------------------|---------------|----------------------|
| 1     | Field Day        | 01                | December 2024 | 20                   |
| 2     | Farmers Training | 01                | November 2024 | 20                   |
| 3     | Media coverage   | 02                | -             | Mass                 |

**FLD No. - 4**

| Crop  | Variety                     | Thematic area                  | Technology Demonstrated  | Critical input   | Season and year | Area ( ha) | No. of farmers | Parameter identified  |
|-------|-----------------------------|--------------------------------|--|--|-----------------|------------|----------------|---|
| Wheat | HD 3226/As per availability | Integrated Nutrient Management | Nutrient management through water soluble fertilizer (N:P:K-18:18:18) in wheat | N:P:K-18:18:18-12.5kg/ha @ Rs.100/kg<br><br>Cost: Rs. 1250/- per ha<br>- Total cost: Rs.7500 | Rabi 2024-25    | 6.0        | 15             | <ul style="list-style-type: none"> <li>• Tillers per metre row</li> <li>• Grains per ear</li> <li>• Grain yield (q/ha)</li> <li>• Relative economics</li> </ul> |

**Extension and Training Activities**

| S.No. | Activity         | No. of activities | Month         | No. of participation |
|-------|------------------|-------------------|---------------|----------------------|
| 1     | Field Day        | 01                | December 2024 | 20                   |
| 2     | Farmers Training | 01                | November 2024 | 20                   |
| 3     | Media coverage   | 02                | -             | Mass                 |

**FLD No. - 5**

| Crop  | Thematic area                | Technology Demonstrated   | Critical input   | Season and year | Area ( ha) | No. of farmers | Parameter identified                                  |
|-------|------------------------------|---|--|-----------------|------------|----------------|---|
| Paddy | - Integrated pest management | - Control of Brown plant hopper through Imidacloprid 17.8% SL @ 4.0 lit/ha. (Two spray) | - Imidacloprid 17.8% SL @ 4.0 lit/ha.<br>- Total Cost Rs. 4500/- | Kharif 2024     | 4.0        | 10             | - Insect infestation%<br>- Yield(q/ha)<br>- Economics |

**Extension and Training Activities**

| S.No. | Activity         | No. of activities | Month            | No. of participation |
|-------|------------------|-------------------|------------------|----------------------|
| 1     | Field days       | 1                 | Sept. - Oct.2024 | 30                   |
| 2     | Media coverage   | 1                 | -                | -                    |
| 3     | Farmers training | 1                 | Aug.2024         | 20                   |

**FLD No. - 6**

| Crop   | Variety  | Thematic area | Technology Demonstrated                  | Critical input                                    | Season and year | Area ( ha) | No. of farmers | Parameter identified  |
|--------|--|---------------|--|---|-----------------|------------|----------------|---|
| Tomato | Pusa Hybrid -2<br>/other high yielding variety | IPM           | Use of Fly trap for control offruit fly. | Fly trap with leur<br>Total Rs. 15000/<br>approx. | Rabi<br>2024-25 | 8.0        | 20             | -% of damage fruits<br>- Yield q/ha.<br>- Economics<br>(B:C Ratio.) |

**Extension and Training Activities**

| S.No. | Activity         | No. of activities | Month       | No. of participation |
|-------|------------------|-------------------|-------------|----------------------|
| 1     | Field day        | 02                | Feb. 2024   | 40                   |
| 2     | Media Coverage   | 01                | March. 2024 | -                    |
| 3     | Farmers training | 01                | March. 2024 | 20                   |

**FLD No. – 7**

| Crop   | Variety | Thematic area   | Technology Demonstrated                                     | Critical input                       | Season and year | Area ( ha) | No. of farmers | Parameter identified   |
|--------|---------|-----------------|---|--------------------------------------|-----------------|------------|----------------|--|
| S.cane | CO 0238 | Weed management | - Weed management in S.cane through Tembotrione @ 285ml/ha. | - Weedicide - Tembotrione @ 285ml/ha | Zaid 2024       | 6.0        | 15             | - Cane Yield (q/ha.)<br>- Economics<br>- Cane Girth<br>- Weed population |

**Extension and Training Activities**

| S.No. | Activity         | No. of activities | Month     | No. of participation |
|-------|------------------|-------------------|-----------|----------------------|
| 1     | Field Day        | 01                | Feb. 2024 | 20                   |
| 2     | Farmers training | 01                | Nov. 2024 | 20                   |
| 3     | Media coverage   | 02                | -         | Mass                 |

**FLD No. – 8**

| Crop     | Variety                | Thematic area       | Technology Demonstrated           | Critical input                 | Season and year | Area (ha) | No. of farmers | Parameter identified   |
|----------|------------------------|---------------------|-----------------------------------|--------------------------------|-----------------|-----------|----------------|--|
| Marigold | Arka Bangara/Pusa Deep | Varietal evaluation | Introduction of marigold variety. | Seed 1.5 Kg/ha.<br>Rs. 6750.00 | Kharif 2024     | 1.0       | 10             | - Cost of cultivation<br>- Gross Return<br>- Net Return<br>- C:B Ratio<br>- Yield increase (%) |

**Extension and Training Activities**

| S.No. | Activity         | No. of activities | Month      | No. of participation |
|-------|------------------|-------------------|------------|----------------------|
| 1     | Field Day        | 01                | Aug. 2024  | 20                   |
| 2     | Farmers training | 01                | Sept. 2024 | 20                   |
| 3     | Media coverage   | 02                | -          | Mass                 |

**FLD No. – 9**

| Crop | Variety         | Thematic area       | Technology Demonstrated       | Critical input                  | Season and year | Area ( ha) | No. of farmers | Parameter identified   |
|------|-----------------|---------------------|-------------------------------|---------------------------------|-----------------|------------|----------------|--|
| Okra | Pusa Bhindi - 5 | Varietal evaluation | Introduction of Okra variety. | Seed 12.0 Kg/ha.<br>Rs. 7000.00 | Kharif 2024     | 1.0        | 10             | - Cost of cultivation<br>- Gross Return<br>- Net Return<br>- C:B Ratio<br>- Yield increase (%) |

**Extension and Training Activities**

| S.No. | Activity         | No. of activities | Month      | No. of participation |
|-------|------------------|-------------------|------------|----------------------|
| 1     | Field Day        | 01                | Aug. 2024  | 20                   |
| 2     | Farmers training | 01                | Sept. 2024 | 20                   |
| 3     | Media coverage   | 02                | -          | Mass                 |



**FLD No. – 10**

| Crop  | Variety     | Thematic area       | Technology Demonstrated        | Critical input                  | Season and year     | Area ( ha) | No. of farmers | Parameter identified   |
|-------|-------------|---------------------|--------------------------------|---------------------------------|---------------------|------------|----------------|--|
| Onion | Pusa Riddhi | Varietal evaluation | Introduction of Onion variety. | Seed 10.0 Kg/ha.<br>Rs. 9600.00 | Rabi<br>2024-<br>25 | 1.0        | 10             | - Cost of cultivation<br>- Gross Return<br>- Net Return<br>- C:B Ratio<br>- Yield increase (%) |

**Extension and Training Activities**

| S.No. | Activity         | No. of activities | Month     | No. of participation |
|-------|------------------|-------------------|-----------|----------------------|
| 1     | Field Day        | 01                | Dec. 2024 | 20                   |
| 2     | Farmers training | 01                | Jan. 2025 | 20                   |
| 3     | Media coverage   | 02                | -         | Mass                 |

**FLD No. – 11**

| Crop       | Variety     | Thematic area       | Technology Demonstrated             | Critical input                  | Season and year     | Area ( ha) | No. of farmers | Parameter identified   |
|------------|-------------|---------------------|-------------------------------------|---------------------------------|---------------------|------------|----------------|--|
| Garden Pea | Pusa Praval | Varietal evaluation | Introduction of garden pea variety. | Seed 100 Kg/ha.<br>Rs. 11000.00 | Rabi<br>2024-<br>25 | 1.0        | 10             | - Cost of cultivation<br>- Gross Return<br>- Net Return<br>- C:B Ratio |

**Extension and Training Activities**

| S.No. | Activity         | No. of activities | Month     | No. of participation |
|-------|------------------|-------------------|-----------|----------------------|
| 1     | Field Day        | 01                | Dec. 2024 | 20                   |
| 2     | Farmers training | 01                | Jan. 2025 | 20                   |
| 3     | Media coverage   | 02                | -         | Mass                 |

**FLD No. – 12**

| Enterprise | Breed                               | Thematic area               | Technology Demonstrated                       | Critical input  | Season and year | No. of animals, poultry birds/ha. etc. | No. of farmers | Parameter identified   |
|------------|-------------------------------------|-----------------------------|---|---|-----------------|--|----------------|--|
| Buffalo    | Milch cattle/<br>Buffalo<br>Murraha | Animal Nutrition Management | Enhancement milk production in milch buffalo. | Mineral mixture – 40 kg @ 240/- kg<br>Ivermeetin bolus– 20 boxes @ 50/- per Boxes<br>Total – Rs. 10600.00 | Kharif 2024     | 20                                     | 20             | 1. Milk production<br>2. Proper heat period.<br>3. Adoptability.<br>4. Economics (B:C ratio) |

**Extension and Training Activities**

| S.No. | Activity         | No. of activities | Month      | No. of participation |
|-------|------------------|-------------------|------------|----------------------|
| 1     | Field Day        | 01                | Sept. 2024 | 20                   |
| 2     | Farmers training | 01                | Aug. 2024  | 20                   |
| 3     | Media coverage   | 02                | -          | Mass                 |

**FLD No. - 13**

| Crop | Thematic area              | Technology Demonstrated   | Critical input   | Season and year | Area (ha) | No. of farmers | Parameter identified   |
|------|----------------------------|---------------------------|--|-----------------|-----------|----------------|--|
| Oat  | Feed and Fodder technology | Use of High yield Variety | Variety: (UPO -24)/ As per availability<br>Seed Req: 400 kg @ 50/-<br>Total Rs: 20000 /- approx. | Rabi<br>2024-25 | 4.0 ha    | 10             | 1. Production performance<br>2. Yield /ha.<br>3. No of cutting |

**Extension and Training Activities**

| S.No. | Activity         | No. of activities | Month         | No. of participation |
|-------|------------------|-------------------|---------------|----------------------|
| 1     | Field days       | 1                 | February 2025 | 20                   |
| 2     | Media coverage   | 1                 |               |                      |
| 3     | Farmers training | 1                 | Nov. 2024     | 20                   |

**FLD No. - 14**

| Crop    | Thematic area              | Technology Demonstrated   | Critical input  | Season and year | Area ( ha) | No. of farmers | Parameter identified   |
|---------|----------------------------|---------------------------|---|-----------------|------------|----------------|--|
| Berseem | Feed and Fodder technology | Use of High yield Variety | Variety: (BL-42)<br>Seed Req: 50kg @ 230/Kg<br>Total Rs: 11500 /- approx. | Rabi<br>2024-25 | 2.0 ha     | 20             | 1. Production performance<br>2. Yield /ha.<br>3. No of cutting |

**Extension and Training Activities**

| S.No. | Activity         | No. of activities | Month         | No. of participation |
|-------|------------------|-------------------|---------------|----------------------|
| 1     | Field days       | 1                 | February 2025 | 20                   |
| 2     | Media coverage   | 1                 | -             | -                    |
| 3     | Farmers Training | 1                 | Nov. 2024     | 20                   |

## Home Science.

| S N | Crop  | Variety           | Thematic area        | Technology for demonstration  | Critical inputs                | Season / year | Area (ha) | No. of Demo. | Parameter indicators  | Expected Exp. (Rs.) |
|-----|---|-------------------|----------------------|---|--------------------------------|---------------|-----------|--------------|---|---------------------|
| 1.  | Kitchen Garden                              | Zaid vegetables   | Nutritional Security | Production of organic vegetables in Kitchen Garden                  | Vegetable Seeds                | Zaid 2024     | 0.15      | 15           | <ul style="list-style-type: none"> <li>● Cost of cultivation</li> <li>● Net Return</li> <li>● C:B Ratio</li> </ul>  | 5000.00             |
| 2.  | Kitchen Garden                              | Kharif vegetables | Nutritional Security | Production of organic vegetables in Kitchen Garden                  | Vegetable Seeds                | Kharif-2024   | 0.15      | 15           | <ul style="list-style-type: none"> <li>● Cost of cultivation</li> <li>● Net Return</li> <li>● C:B Ratio</li> </ul>  | 5000.00             |
| 3.  | Kitchen Garden                              | Rabi vegetables   | Nutritional Security | Production of organic vegetables in Kitchen Garden                  | Vegetable Seeds                | Rabi 2024-25  | 0.15      | 15           | <ul style="list-style-type: none"> <li>● Cost of cultivation</li> <li>● Net Return</li> <li>● C:B Ratio</li> </ul>  | 5000.00             |
| 4.  | Preparation from pulses and vegetable Badis | Zaid 2024         | Value addition       | Value addition of pulses and Vegetable BADIS for gradational income | Pulses and vegetable species + | Zaid 2024     | -         | 10           | <ul style="list-style-type: none"> <li>● Nutritive value</li> <li>● Cost of preparation</li> <li>● Profitability</li> <li>● Sale opportunity</li> <li>● Farmer Reaction and Feedback Self life</li> </ul> | 4500.00             |

### Extension and Training activities under FLDs during year -2024-25

| SN | Activity                             | No. of activities | Month                              | Approximate number of participants |
|----|--------------------------------------|-------------------|------------------------------------|------------------------------------|
| 1  | Field days                           | 04                | August, Nov, Dec, Feb.             | 123                                |
| 2  | Farmers Training                     | 17                | Sept., Oct., Dec., Jan, Feb, March | 240                                |
| 3  | Media coverage                       | 12                | Sep., Oct., Nov., Dec.             | Mass                               |
| 4  | Training for extension functionaries | 02                | Sep., Nov.,                        | 105                                |

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

#### A) ON Campus

| Thematic Area   | No. of Courses | No. of Participants |        |       |       |        |       |             |
|---|----------------|---------------------|--------|-------|-------|--------|-------|-------------|
|   |                | Others              |        |       | SC/ST |        |       | Grand Total |
|   |                | Male                | Female | Total | Male  | Female | Total |             |
| <b>(A) Farmers &amp; Farm Women</b>                   |                |                     |        |       |       |        |       |             |
| <b>I Crop Production</b>                              |                |                     |        |       |       |        |       |             |
| Weed Management                                       | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| Resource Conservation Technologies                    | -              | -                   | -      | -     | -     | -      | -     | -           |
| Cropping Systems                                      | -              | -                   | -      | -     | -     | -      | -     | -           |
| Crop Diversification                                  | -              | -                   | -      | -     | -     | -      | -     | -           |
| Integrated Farming                                    | -              | -                   | -      | -     | -     | -      | -     | -           |
| Water management                                      | -              | -                   | -      | -     | -     | -      | -     | -           |
| Seed production                                       | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| Nursery management                                    | -              | -                   | -      | -     | -     | -      | -     | -           |
| Integrated Nutrient Management                        | 02             | 36                  | -      | 36    | 04    | -      | 04    | 40          |
| Integrated Crop Management                            | 04             | 72                  | -      | 72    | 08    | -      | 08    | 80          |
| Fodder production                                     | -              | -                   | -      | -     | -     | -      | -     | -           |
| Production of organic inputs                          | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| <b>II Horticulture</b>                                |                |                     |        |       |       |        |       |             |
| <b>a) Vegetable Crops</b>                             |                |                     |        |       |       |        |       |             |
| Production of low volume and high value crops         | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| Off-season vegetables                                 | -              | -                   | -      | -     | -     | -      | -     | -           |
| Nursery raising                                       | -              | -                   | -      | -     | -     | -      | -     | -           |
| Exotic vegetables like Broccoli                       | -              | -                   | -      | -     | -     | -      | -     | -           |
| Export potential vegetables                           | -              | -                   | -      | -     | -     | -      | -     | -           |
| Grading and standardization                           | -              | -                   | -      | -     | -     | -      | -     | -           |
| Protective cultivation (Green Houses, Shade Net etc.) | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| <b>b) Fruits</b>                                      |                |                     |        |       |       |        |       |             |
| Training and Pruning                                  | -              | -                   | -      | -     | -     | -      | -     | -           |
| Layout and Management of Orchards                     | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| Cultivation of Fruit                                  | -              | -                   | -      | -     | -     | -      | -     | -           |
| Management of young plants/orchards                   | -              | -                   | -      | -     | -     | -      | -     | -           |
| Rejuvenation of old orchards                          | -              | -                   | -      | -     | -     | -      | -     | -           |
| Export potential fruits                               | -              | -                   | -      | -     | -     | -      | -     | -           |
| Micro irrigation systems of orchards                  | -              | -                   | -      | -     | -     | -      | -     | -           |
| Plant propagation techniques                          | -              | -                   | -      | -     | -     | -      | -     | -           |
| <b>c) Ornamental Plants</b>                           |                |                     |        |       |       |        |       |             |
| Nursery Management                                    | -              | -                   | -      | -     | -     | -      | -     | -           |
| Management of potted plants                           | -              | -                   | -      | -     | -     | -      | -     | -           |
| Export potential of ornamental plants                 | -              | -                   | -      | -     | -     | -      | -     | -           |
| Propagation techniques of Ornamental Plants           | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| Others (Post harvest management technology)           | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| <b>d) Plantation crops</b>                            |                |                     |        |       |       |        |       |             |
| Production and Management technology                  | -              | -                   | -      | -     | -     | -      | -     | -           |
| Processing and value addition                         | -              | -                   | -      | -     | -     | -      | -     | -           |

|  |    |    |    |    |    |    |    |    |
|--|----|----|----|----|----|----|----|----|
| <b>e) Tuber crops</b>  |    |    |    |    |    |    |    |    |
| Production and Management technology                                 | -  | -  | -  | -  | -  | -  | -  | -  |
| Processing and value addition  | -  | -  | -  | -  | -  | -  | -  | -  |
| <b>f) Spices</b>   |    |    |    |    |    |    |    |    |
| Production and Management technology                                 | -  | -  | -  | -  | -  | -  | -  | -  |
| Processing and value addition  | -  | -  | -  | -  | -  | -  | -  | -  |
| <b>g) Medicinal and Aromatic Plants</b>                              |    |    |    |    |    |    |    |    |
| Nursery management   | -  | -  | -  | -  | -  | -  | -  | -  |
| Production and management technology                                 | -  | -  | -  | -  | -  | -  | -  | -  |
| Post harvest technology and value addition                           | -  | -  | -  | -  | -  | -  | -  | -  |
| <b>III Soil Health and Fertility Management</b>                      |    |    |    |    |    |    |    |    |
| Soil fertility management  | -  | -  | -  | -  | -  | -  | -  | -  |
| Soil and Water Conservation  | -  | -  | -  | -  | -  | -  | -  | -  |
| Integrated Nutrient Management                                       | -  | -  | -  | -  | -  | -  | -  | -  |
| Production and use of organic inputs                                 | -  | -  | -  | -  | -  | -  | -  | -  |
| Management of Problematic soils                                      | -  | -  | -  | -  | -  | -  | -  | -  |
| Micro nutrient deficiency in crops                                   | -  | -  | -  | -  | -  | -  | -  | -  |
| Nutrient Use Efficiency  | -  | -  | -  | -  | -  | -  | -  | -  |
| Soil and Water Testing   | -  | -  | -  | -  | -  | -  | -  | -  |
| <b>IV Livestock Production and Management</b>                        |    |    |    |    |    |    |    |    |
| Dairy Management   | 02 | 36 | -  | 36 | 04 | -  | 04 | 40 |
| Poultry Management   | -  | -  | -  | -  | -  | -  | -  | -  |
| Piggery Management   | -  | -  | -  | -  | -  | -  | -  | -  |
| Rabbit Management/goat   | -  | -  | -  | -  | -  | -  | -  | -  |
| Disease Management   | -  | -  | -  | -  | -  | -  | -  | -  |
| Feed management  | 02 | 36 | -  | 36 | 04 | -  | 04 | 40 |
| Production of quality animal products                                | -  | -  | -  | -  | -  | -  | -  | -  |
| <b>V Home Science/Women empowerment</b>                              |    |    |    |    |    |    |    |    |
| Household food security by kitchen gardening and nutrition gardening | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| Design and development of low/minimum cost diet                      | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| Designing and development for high nutrient efficiency diet          | -  | -  | -  | -  | -  | -  | -  | -  |
| Minimization of nutrient loss in processing                          | -  | -  | -  | -  | -  | -  | -  | -  |
| Gender mainstreaming through SHGs                                    | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| Storage loss minimization techniques                                 | -  | -  | -  | -  | -  | -  | -  | -  |
| Value addition   | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| Income generation activities for empowerment of rural Women          | -  | -  | -  | -  | -  | -  | -  | -  |
| Location specific drudgery reduction technologies                    | -  | -  | -  | -  | -  | -  | -  | -  |
| Rural Crafts   | -  | -  | -  | -  | -  | -  | -  | -  |



|  |    |    |    |    |    |    |    |    |
|--|----|----|----|----|----|----|----|----|
| Women and child care                                     | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| <b>VI Agril. Engineering</b>                             |    |    |    |    |    |    |    |    |
| Installation and maintenance of micro irrigation systems | -  | -  | -  | -  | -  | -  | -  | -  |
| Use of Plastics in farming practices                     | -  | -  | -  | -  | -  | -  | -  | -  |
| Production of small tools and implements                 | -  | -  | -  | -  | -  | -  | -  | -  |
| Repair and maintenance of farm machinery and implements  | -  | -  | -  | -  | -  | -  | -  | -  |
| Small scale processing and value addition                | -  | -  | -  | -  | -  | -  | -  | -  |
| Post Harvest Technology                                  | -  | -  | -  | -  | -  | -  | -  | -  |
| <b>VII Plant Protection</b>                              |    |    |    |    |    |    |    |    |
| Integrated Pest Management                               | 02 | 36 |    | 36 | 04 |    | 04 | 40 |
| Integrated Disease Management                            | 02 | 36 |    | 36 | 04 |    | 04 | 40 |
| Bio-control of pests and diseases                        | -  | -  | -  | -  | -  | -  | -  | -  |
| Production of bio control agents and bio pesticides      | -  | -  | -  | -  | -  | -  | -  | -  |
| <b>VIII Fisheries</b>                                    |    |    |    |    |    |    |    |    |
| Integrated fish farming                                  | -  | -  | -  | -  | -  | -  | -  | -  |
| Carp breeding and hatchery management                    | -  | -  | -  | -  | -  | -  | -  | -  |
| Carp fry and fingerling rearing                          | -  | -  | -  | -  | -  | -  | -  | -  |
| Composite fish culture                                   | -  | -  | -  | -  | -  | -  | -  | -  |
| Hatchery management and culture of freshwater prawn      | -  | -  | -  | -  | -  | -  | -  | -  |
| Breeding and culture of ornamental fishes                | -  | -  | -  | -  | -  | -  | -  | -  |
| Portable plastic carp hatchery                           | -  | -  | -  | -  | -  | -  | -  | -  |
| Pen culture of fish and prawn                            | -  | -  | -  | -  | -  | -  | -  | -  |
| Shrimp farming   | -  | -  | -  | -  | -  | -  | -  | -  |
| Edible oyster farming                                    | -  | -  | -  | -  | -  | -  | -  | -  |
| Pearl culture  | -  | -  | -  | -  | -  | -  | -  | -  |
| Fish processing and value addition                       | -  | -  | -  | -  | -  | -  | -  | -  |
| <b>IX Production of Inputs at site</b>                   |    |    |    |    |    |    |    |    |
| Seed Production  | -  | -  | -  | -  | -  | -  | -  | -  |
| Planting material production                             | -  | -  | -  | -  | -  | -  | -  | -  |
| Bio-agents production                                    | -  | -  | -  | -  | -  | -  | -  | -  |
| Bio-pesticides production                                | -  | -  | -  | -  | -  | -  | -  | -  |
| Bio-fertilizer production                                | -  | -  | -  | -  | -  | -  | -  | -  |
| Vermi-compost production                                 | -  | -  | -  | -  | -  | -  | -  | -  |
| Organic manures production                               | -  | -  | -  | -  | -  | -  | -  | -  |
| Production of fry and fingerlings                        | -  | -  | -  | -  | -  | -  | -  | -  |
| Production of Bee-colonies and wax sheets                | -  | -  | -  | -  | -  | -  | -  | -  |
| Small tools and implements                               | -  | -  | -  | -  | -  | -  | -  | -  |

|   |           |            |           |            |           |           |           |            |
|---|-----------|------------|-----------|------------|-----------|-----------|-----------|------------|
| Production of livestock feed and fodder       | -         | -          | -         | -          | -         | -         | -         | -          |
| Production of Fish feed                       | -         | -          | -         | -          | -         | -         | -         | -          |
| <b>X Capacity Building and Group Dynamics</b> |           |            |           |            |           |           |           |            |
| Leadership development                        | -         | -          | -         | -          | -         | -         | -         | -          |
| Group dynamics                                | 02        | 36         | -         | 36         | 04        | -         | 04        | 40         |
| Formation and Management of SHGs              | -         | -          | -         | -          | -         | -         | -         | -          |
| Mobilization of social capital                | -         | -          | -         | -          | -         | -         | -         | -          |
| Entrepreneurial development of farmers/youths | -         | -          | -         | -          | -         | -         | -         | -          |
| WTO and IPR issues                            | -         | -          | -         | -          | -         | -         | -         | -          |
| Others (capacity building for ICT)            | 02        | 36         | -         | 36         | 04        | -         | 04        | 40         |
| <b>XI Agro-forestry</b>                       |           |            |           |            |           |           |           |            |
| Production technologies                       | -         | -          | -         | -          | -         | -         | -         | -          |
| Nursery management                            | -         | -          | -         | -          | -         | -         | -         | -          |
| Integrated Farming Systems                    | -         | -          | -         | -          | -         | -         | -         | -          |
| <b>XII Others (PI. Specify)</b>               |           |            |           |            |           |           |           |            |
| <b>TOTAL</b>                                  | <b>31</b> | <b>468</b> | <b>90</b> | <b>558</b> | <b>52</b> | <b>10</b> | <b>62</b> | <b>620</b> |
| <b>(B) RURAL YOUTH</b>                        |           |            |           |            |           |           |           |            |
| Mushroom Production                           |           |            |           |            |           |           |           |            |
| Bee-keeping                                   |           |            |           |            |           |           |           |            |
| Integrated farming                            |           |            |           |            |           |           |           |            |
| Seed production                               |           |            |           |            |           |           |           |            |
| Production of organic inputs                  |           |            |           |            |           |           |           |            |
| Integrated Farming (Medicinal)                |           |            |           |            |           |           |           |            |
| Planting material production                  |           |            |           |            |           |           |           |            |
| Vermi-culture                                 |           |            |           |            |           |           |           |            |
| Sericulture                                   |           |            |           |            |           |           |           |            |
| Protected cultivation of vegetable crops      |           |            |           |            |           |           |           |            |
| Commercial fruit production                   |           |            |           |            |           |           |           |            |
| Repair and maintenance of farm                |           |            |           |            |           |           |           |            |
| Nursery Management of Horticulture crops      |           |            |           |            |           |           |           |            |
| Training and pruning of orchards              |           |            |           |            |           |           |           |            |
| Value addition                                |           |            |           |            |           |           |           |            |
| Production of quality animal products         |           |            |           |            |           |           |           |            |
| Dairying                                      |           |            |           |            |           |           |           |            |
| Sheep and goat rearing                        |           |            |           |            |           |           |           |            |
| Quail farming                                 |           |            |           |            |           |           |           |            |
| Piggery                                       |           |            |           |            |           |           |           |            |
| Rabbit farming                                |           |            |           |            |           |           |           |            |
| Poultry production                            |           |            |           |            |           |           |           |            |

|   |           |            |           |            |           |           |           |            |
|---|-----------|------------|-----------|------------|-----------|-----------|-----------|------------|
| Ornamental fisheries                                  |           |            |           |            |           |           |           |            |
| Para vets   |           |            |           |            |           |           |           |            |
| Para extension workers                                |           |            |           |            |           |           |           |            |
| Composite fish culture                                |           |            |           |            |           |           |           |            |
| Freshwater prawn culture                              |           |            |           |            |           |           |           |            |
| Shrimp farming  |           |            |           |            |           |           |           |            |
| Pearl culture   |           |            |           |            |           |           |           |            |
| Cold water fisheries                                  |           |            |           |            |           |           |           |            |
| Fish harvest and processing technology                |           |            |           |            |           |           |           |            |
| Fry and fingerling rearing                            |           |            |           |            |           |           |           |            |
| Small scale processing                                |           |            |           |            |           |           |           |            |
| Post Harvest Technology                               |           |            |           |            |           |           |           |            |
| Tailoring and Stitching                               |           |            |           |            |           |           |           |            |
| Rural Crafts  |           |            |           |            |           |           |           |            |
| <b>TOTAL</b>  |           |            |           |            |           |           |           |            |
| <b>(C) Extension Personnel</b>                        |           |            |           |            |           |           |           |            |
| Productivity enhancement in field crops               |           |            |           |            |           |           |           |            |
| Integrated Pest Management                            |           |            |           |            |           |           |           |            |
| Integrated Nutrient management                        |           |            |           |            |           |           |           |            |
| Rejuvenation of old orchards                          |           |            |           |            |           |           |           |            |
| Protected cultivation technology                      |           |            |           |            |           |           |           |            |
| Formation and Management of SHGs                      |           |            |           |            |           |           |           |            |
| Group Dynamics and farmers organization               |           |            |           |            |           |           |           |            |
| Information networking among farmers                  |           |            |           |            |           |           |           |            |
| Capacity building for ICT application                 |           |            |           |            |           |           |           |            |
| Care and maintenance of farm machinery and implements |           |            |           |            |           |           |           |            |
| WTO and IPR issues                                    |           |            |           |            |           |           |           |            |
| Management in farm animals                            |           |            |           |            |           |           |           |            |
| Livestock feed and fodder production                  |           |            |           |            |           |           |           |            |
| Household food security                               |           |            |           |            |           |           |           |            |
| Women and Child care                                  |           |            |           |            |           |           |           |            |
| Low cost and nutrient efficient diet designing        |           |            |           |            |           |           |           |            |
| Production and use of organic inputs                  |           |            |           |            |           |           |           |            |
| Gender mainstreaming through SHGs                     |           |            |           |            |           |           |           |            |
| Any other (Pl. Specify)                               |           |            |           |            |           |           |           |            |
| <b>TOTAL</b>  |           |            |           |            |           |           |           |            |
| <b>G. Total</b>                                       | <b>31</b> | <b>468</b> | <b>90</b> | <b>558</b> | <b>52</b> | <b>10</b> | <b>62</b> | <b>620</b> |

**B) OFF Campus**

| Thematic Area   | No. of Courses | No. of Participants |        |       |       |        |       |             |
|---|----------------|---------------------|--------|-------|-------|--------|-------|-------------|
|   |                | Others              |        |       | SC/ST |        |       | Grand Total |
|   |                | Male                | Female | Total | Male  | Female | Total |             |
| <b>(A) Farmers &amp; Farm Women</b>                   |                |                     |        |       |       |        |       |             |
| <b>I Crop Production</b>                              |                |                     |        |       |       |        |       |             |
| Weed Management                                       | 02             | 36                  | -      | 36    | 04    | -      | 04    | 40          |
| Resource Conservation Technologies                    | -              | -                   | -      | -     | -     | -      | -     | -           |
| Cropping Systems                                      | -              | -                   | -      | -     | -     | -      | -     | -           |
| Crop Diversification                                  | -              | -                   | -      | -     | -     | -      | -     | -           |
| Integrated Farming                                    | 02             | 36                  | -      | 36    | 04    | -      | 04    | 40          |
| Water management                                      | -              | -                   | -      | -     | -     | -      | -     | -           |
| Seed production                                       | -              | -                   | -      | -     | -     | -      | -     | -           |
| Nursery management                                    | -              | -                   | -      | -     | -     | -      | -     | -           |
| Integrated Nutrient Management                        | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| Integrated Crop Management                            | 05             | 90                  | -      | 90    | 10    | -      | 10    | 100         |
| Fodder production                                     | -              | -                   | -      | -     | -     | -      | -     | -           |
| Production of organic inputs                          | -              | -                   | -      | -     | -     | -      | -     | -           |
| <b>II Horticulture</b>                                |                |                     |        |       |       |        |       |             |
| <b>a) Vegetable Crops</b>                             |                |                     |        |       |       |        |       |             |
| Production of low volume and high value crops         |                |                     |        |       |       |        |       |             |
| Off-season vegetables                                 |                |                     |        |       |       |        |       |             |
| Nursery raising                                       | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| Exotic vegetables like Broccoli                       | -              | -                   | -      | -     | -     | -      | -     | -           |
| Export potential vegetables                           | -              | -                   | -      | -     | -     | -      | -     | -           |
| Grading and standardization                           | -              | -                   | -      | -     | -     | -      | -     | -           |
| Protective cultivation (Green Houses, Shade Net etc.) | -              | -                   | -      | -     | -     | -      | -     | -           |
| Others (Production and Management technology)         | 03             | 54                  | -      | 54    | 06    | -      | 06    | 60          |
| <b>b) Fruits</b>                                      |                |                     |        |       |       |        |       |             |
| Training and Pruning                                  | -              | -                   | -      | -     | -     | -      | -     | -           |
| Layout and Management of Orchards                     | -              | -                   | -      | -     | -     | -      | -     | -           |
| Cultivation of Fruit                                  | -              | -                   | -      | -     | -     | -      | -     | -           |
| Management of young plants/orchards                   |                |                     |        |       |       |        |       |             |
| Rejuvenation of old orchards                          |                |                     |        |       |       |        |       |             |
| Export potential fruits                               | -              | -                   | -      | -     | -     | -      | -     | -           |
| Micro irrigation systems of orchards                  | -              | -                   | -      | -     | -     | -      | -     | -           |
| Plant propagation techniques                          | -              | -                   | -      | -     | -     | -      | -     | -           |
| Others (Production and Management technology)         | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| <b>c) Ornamental Plants</b>                           |                |                     |        |       |       |        |       |             |
| Nursery Management                                    | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| Management of potted plants                           |                |                     |        |       |       |        |       |             |
| Export potential of ornamental plants                 |                |                     |        |       |       |        |       |             |

|  |    |    |    |    |    |    |    |    |
|--|----|----|----|----|----|----|----|----|
| Propagation techniques of Ornamental Plants                          | 01 | 18 | -  | 18 | 02 | -  | 02 | 20 |
| <b>d) Plantation crops</b>   |    |    |    |    |    |    |    |    |
| Production and Management technology                                 | -  | -  | -  | -  | -  | -  | -  | -  |
| Processing and value addition  | -  | -  | -  | -  | -  | -  | -  | -  |
| <b>e) Tuber crops</b>  |    |    |    |    |    |    |    |    |
| Production and Management technology                                 |    |    |    |    |    |    |    |    |
| Processing and value addition  | -  | -  | -  | -  | -  | -  | -  | -  |
| <b>f) Spices</b>   |    |    |    |    |    |    |    |    |
| Production and Management technology                                 | 02 | 36 | -  | 36 | 04 | -  | 04 | 40 |
| Processing and value addition  | -  | -  | -  | -  | -  | -  | -  | -  |
| Others (Post harvest technology)                                     | 01 | 18 | -  | 18 | 02 | -  | 02 | 20 |
| <b>g) Medicinal and Aromatic Plants</b>                              |    |    |    |    |    |    |    |    |
| Nursery management   | -  | -  | -  | -  | -  | -  | -  | -  |
| Production and management technology                                 | -  | -  | -  | -  | -  | -  | -  | -  |
| Post harvest technology and value addition                           | -  | -  | -  | -  | -  | -  | -  | -  |
| <b>III Soil Health and Fertility Management</b>                      |    |    |    |    |    |    |    |    |
| Soil fertility management  | -  | -  | -  | -  | -  | -  | -  | -  |
| Soil and Water Conservation  | -  | -  | -  | -  | -  | -  | -  | -  |
| Integrated Nutrient Management                                       | -  | -  | -  | -  | -  | -  | -  | -  |
| Production and use of organic inputs                                 | -  | -  | -  | -  | -  | -  | -  | -  |
| Balance use of fertilizers   | -  | -  | -  | -  | -  | -  | -  | -  |
| Micro nutrient deficiency in crops                                   | -  | -  | -  | -  | -  | -  | -  | -  |
| Nutrient Use Efficiency  | -  | -  | -  | -  | -  | -  | -  | -  |
| Soil and Water Testing   | -  | -  | -  | -  | -  | -  | -  | -  |
| <b>IV Livestock Production and Management</b>                        |    |    |    |    |    |    |    |    |
| Dairy Management   | 03 | 54 | -  | 54 | 06 | -  | 06 | 60 |
| Poultry Management   |    |    |    |    |    |    |    |    |
| Piggery Management   |    |    |    |    |    |    |    |    |
| Rabbit Management /goat  |    |    |    |    |    |    |    |    |
| Disease Management   | 03 | 54 | -  | 54 | 06 | -  | 06 | 60 |
| Feed management  | 01 | 18 | -  | 18 | 02 | -  | 02 | 20 |
| Production of quality animal products                                |    |    |    |    |    |    |    |    |
| <b>V Home Science/Women empowerment</b>                              |    |    |    |    |    |    |    |    |
| Household food security by kitchen gardening and nutrition gardening | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |

|   |    |    |    |    |    |    |    |    |
|---|----|----|----|----|----|----|----|----|
| Design and development of low/minimum cost diet             | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| Designing and development for high nutrient efficiency diet | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| Minimization of nutrient loss in processing                 | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| Gender mainstreaming through SHGs                           |    |    |    |    |    |    |    |    |
| Storage loss minimization techniques                        | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| Value addition  | 02 | -  | 36 | 36 | -  | 04 | 04 | 40 |
| Income generation activities for empowerment of rural Women | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| Location specific drudgery reduction technologies           | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| Rural Crafts  |    |    |    |    |    |    |    |    |
| Women and child care  | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| <b>VI Agril. Engineering</b>                                |    |    |    |    |    |    |    |    |
| Installation and maintenance of micro irrigation systems    |    |    |    |    |    |    |    |    |
| Use of Plastics in farming practices                        |    |    |    |    |    |    |    |    |
| Production of small tools and implements                    |    |    |    |    |    |    |    |    |
| Repair and maintenance of farm machinery and implements     |    |    |    |    |    |    |    |    |
| Small scale processing and value addition                   |    |    |    |    |    |    |    |    |
| Post Harvest Technology                                     |    |    |    |    |    |    |    |    |
| <b>VII Plant Protection</b>                                 |    |    |    |    |    |    |    |    |
| Integrated Pest Management                                  | 02 | 36 |    | 36 | 04 |    | 04 | 40 |
| Integrated Disease Management                               | 02 | 36 |    | 36 | 04 |    | 04 | 40 |
| Bio-control of pests and diseases                           | -  | -  | -  | -  | -  | -  | -  | -  |
| Production of bio control agents and bio pesticides         | -  | -  | -  | -  | -  | -  | -  | -  |
| <b>VIII Fisheries</b>                                       |    |    |    |    |    |    |    |    |
| Integrated fish farming                                     |    |    |    |    |    |    |    |    |
| Carp breeding and hatchery management                       |    |    |    |    |    |    |    |    |
| Carp fry and fingerling rearing                             |    |    |    |    |    |    |    |    |
| Composite fish culture                                      |    |    |    |    |    |    |    |    |
| Hatchery management and culture of freshwater prawn         |    |    |    |    |    |    |    |    |
| Breeding and culture of ornamental fishes                   |    |    |    |    |    |    |    |    |
| Portable plastic carp hatchery                              |    |    |    |    |    |    |    |    |
| Pen culture of fish and prawn                               |    |    |    |    |    |    |    |    |

|   |           |            |            |            |           |           |            |             |
|---|-----------|------------|------------|------------|-----------|-----------|------------|-------------|
| Shrimp farming  |           |            |            |            |           |           |            |             |
| Edible oyster farming                                 |           |            |            |            |           |           |            |             |
| Pearl culture   |           |            |            |            |           |           |            |             |
| Fish processing and value addition                    |           |            |            |            |           |           |            |             |
| <b>IX Production of Inputs at site</b>                |           |            |            |            |           |           |            |             |
| Seed Production                                       |           |            |            |            |           |           |            |             |
| Planting material production (Horti.)                 |           |            |            |            |           |           |            |             |
| Bio-agents production                                 |           |            |            |            |           |           |            |             |
| Bio-pesticides production                             |           |            |            |            |           |           |            |             |
| Bio-fertilizer production                             |           |            |            |            |           |           |            |             |
| Vermi-compost production (Horti.)                     |           |            |            |            |           |           |            |             |
| Organic manures production (A.S.)                     |           |            |            |            |           |           |            |             |
| Production of fry and fingerlings                     |           |            |            |            |           |           |            |             |
| Production of Bee-colonies and wax sheets             |           |            |            |            |           |           |            |             |
| Small tools and implements                            |           |            |            |            |           |           |            |             |
| Production of livestock feed and fodder               |           |            |            |            |           |           |            |             |
| Production of Fish feed                               |           |            |            |            |           |           |            |             |
| <b>X Capacity Building and Group Dynamics</b>         |           |            |            |            |           |           |            |             |
| Leadership development                                | 01        | 18         | -          | 18         | 02        | -         | 02         | 20          |
| Group dynamics  | 02        | 36         | -          | 36         | 04        | -         | 04         | 40          |
| Formation and Management of SHGs(HS)                  |           |            |            |            |           |           |            |             |
| Mobilization of social capital                        | 04        | 72         | -          | 72         | 08        | -         | 08         | 80          |
| Entrepreneurial development of farmers/youths (Agro.) | 01        | 18         | -          | 18         | 02        | -         | 02         | 20          |
| WTO and IPR issues                                    |           |            |            |            |           |           |            |             |
| Others(Capacity building for ICT)                     | 02        | 36         | -          | 36         | 04        | -         | 04         | 40          |
| <b>XI Agro-forestry</b>                               |           |            |            |            |           |           |            |             |
| Production technologies                               |           |            |            |            |           |           |            |             |
| Nursery management                                    |           |            |            |            |           |           |            |             |
| Integrated Farming Systems (Agro)                     |           |            |            |            |           |           |            |             |
| <b>XII Others (PI. Specify)</b>                       |           |            |            |            |           |           |            |             |
| <b>Crop Improvement</b>                               |           |            |            |            |           |           |            |             |
| <b>TOTAL</b>  | <b>51</b> | <b>738</b> | <b>180</b> | <b>918</b> | <b>82</b> | <b>20</b> | <b>102</b> | <b>1020</b> |
| <b>(B) RURAL YOUTH</b>                                |           |            |            |            |           |           |            |             |
| Mushroom Production                                   | 01        | 08         | -          | 08         | 02        | -         | 02         | 10          |
| Bee-keeping   | 01        | 08         | -          | 08         | 02        | -         | 02         | 10          |
| Integrated farming                                    |           |            |            |            |           |           |            |             |
| Seed production                                       | -         | -          | -          | -          | -         | -         | -          | -           |
| Production of organic inputs                          | 01        | 08         | -          | 08         | 02        | -         | 02         | 10          |

|   |           |           |           |           |           |          |           |            |
|---|-----------|-----------|-----------|-----------|-----------|----------|-----------|------------|
| Integrated Farming (Medicinal)                          |           |           |           |           |           |          |           |            |
| Planting material production                            |           |           |           |           |           |          |           |            |
| Vermi-culture   | -         | -         | -         | -         | -         | -        | -         | -          |
| Sericulture   |           |           |           |           |           |          |           |            |
| Protected cultivation of vegetable crops                | 01        | 08        | -         | 08        | 02        | -        | 02        | 10         |
| Commercial fruit production                             |           |           |           |           |           |          |           |            |
| Repair and maintenance of farm machinery and implements |           |           |           |           |           |          |           |            |
| Nursery Management of Horticulture crops                | 01        | 08        | -         | 08        | 02        | -        | 02        | 10         |
| Training and pruning of orchards                        |           |           |           |           |           |          |           |            |
| Value addition  | 01        | -         | 08        | 08        | -         | 02       | 02        | 10         |
| Production of quality animal products                   |           |           |           |           |           |          |           |            |
| Dairying  | 01        | 08        | -         | 08        | 02        | -        | 02        | 10         |
| Sheep and goat rearing                                  | 01        | 08        | -         | 08        | 02        | -        | 02        | 10         |
| Quail farming   |           |           |           |           |           |          |           |            |
| Piggery   |           |           |           |           |           |          |           |            |
| Rabbit farming  |           |           |           |           |           |          |           |            |
| Poultry production                                      |           |           |           |           |           |          |           |            |
| Ornamental fisheries                                    |           |           |           |           |           |          |           |            |
| Para vets   |           |           |           |           |           |          |           |            |
| Para extension workers                                  |           |           |           |           |           |          |           |            |
| Composite fish culture                                  |           |           |           |           |           |          |           |            |
| Freshwater prawn culture                                |           |           |           |           |           |          |           |            |
| Shrimp farming  |           |           |           |           |           |          |           |            |
| Pearl culture   |           |           |           |           |           |          |           |            |
| Cold water fisheries                                    |           |           |           |           |           |          |           |            |
| Fish harvest and processing technology                  |           |           |           |           |           |          |           |            |
| Fry and fingerling rearing                              |           |           |           |           |           |          |           |            |
| Small scale processing                                  |           |           |           |           |           |          |           |            |
| Post Harvest Technology                                 |           |           |           |           |           |          |           |            |
| Tailoring and Stitching                                 | 01        | -         | 08        | 08        | -         | 02       | 02        | 10         |
| Rural Crafts  |           |           |           |           |           |          |           |            |
| Others (Group dynamics and farmers organization)        | 02        | 16        | -         | 16        | 04        | -        | 04        | 20         |
| <b>TOTAL</b>  | <b>11</b> | <b>72</b> | <b>16</b> | <b>88</b> | <b>18</b> | <b>4</b> | <b>22</b> | <b>110</b> |



| <b>(C) Extension Personnel</b>                        |           |            |            |             |            |           |            |             |
|---|-----------|------------|------------|-------------|------------|-----------|------------|-------------|
| Productivity enhancement in field crops               | 01        | 08         | -          | 08          | 02         | -         | 02         | 10          |
| Integrated Pest Management                            | 05        | 40         | -          | 40          | 10         | -         | 10         | 50          |
| Integrated Nutrient management                        |           |            |            |             |            |           |            |             |
| Rejuvenation of old orchards                          |           |            |            |             |            |           |            |             |
| Protected cultivation technology                      |           |            |            |             |            |           |            |             |
| Formation and Management of SHGs                      | 01        | 08         | -          | 08          | 02         | -         | 02         | 10          |
| Group Dynamics and farmers organization               | 01        | 08         | -          | 08          | 02         | -         | 02         | 10          |
| Information networking among farmers                  | 01        | 08         | -          | 08          | 02         | -         | 02         | 10          |
| Capacity building for ICT application                 | 01        | 08         | -          | 08          | 02         | -         | 02         | 10          |
| Care and maintenance of farm machinery and implements |           |            |            |             |            |           |            |             |
| WTO and IPR issues                                    |           |            |            |             |            |           |            |             |
| Management in farm animals                            | 01        | 08         | -          | 08          | 02         | -         | 02         | 10          |
| Livestock feed and fodder production                  | 01        | 08         | -          | 08          | 02         | -         | 02         | 10          |
| Household food security                               |           |            |            |             |            |           |            |             |
| Women and Child care                                  | 01        | -          | 08         | 08          | -          | 02        | 02         | 10          |
| Low cost and nutrient efficient diet designing        | 01        | -          | 08         | 08          | -          | 02        | 02         | 10          |
| Production and use of organic inputs                  | 02        | 16         | -          | 16          | 04         | -         | 04         | 20          |
| Gender mainstreaming through SHGs                     |           |            |            |             |            |           |            |             |
| Any other (Pl. Specify) ICM                           | 02        | 16         | -          | 16          | 04         | -         | 04         | 20          |
| <b>Nursery Management</b>                             | 01        | 08         | -          | 08          | 02         | -         | 02         | 10          |
| <b>Post harvest management</b>                        | 01        | 08         | -          | 08          | 02         | -         | 02         | 10          |
| <b>TOTAL</b>  | <b>20</b> | <b>144</b> | <b>16</b>  | <b>160</b>  | <b>36</b>  | <b>4</b>  | <b>40</b>  | <b>200</b>  |
| <b>G. Total</b>                                       | <b>82</b> | <b>954</b> | <b>212</b> | <b>1166</b> | <b>136</b> | <b>28</b> | <b>164</b> | <b>1330</b> |

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

| Thematic Area   | No. of Courses | No. of Participants |        |       |       |        |       |             |
|---|----------------|---------------------|--------|-------|-------|--------|-------|-------------|
|   |                | Others              |        |       | SC/ST |        |       | Grand Total |
|   |                | Male                | Female | Total | Male  | Female | Total |             |
| <b>(A) Farmers &amp; Farm Women</b>                   |                |                     |        |       |       |        |       |             |
| <b>I Crop Production</b>                              |                |                     |        |       |       |        |       |             |
| Weed Management                                       | 03             | 54                  | -      | 54    | 06    | -      | 06    | 60          |
| Resource Conservation Technologies                    | -              | -                   | -      | -     | -     | -      | -     | -           |
| Cropping Systems                                      | -              | -                   | -      | -     | -     | -      | -     | -           |
| Crop Diversification                                  | -              | -                   | -      | -     | -     | -      | -     | -           |
| Integrated Farming                                    | 02             | 36                  | -      | 36    | 04    | -      | 04    | 40          |
| Water management                                      | -              | -                   | -      | -     | -     | -      | -     | -           |
| Seed production                                       | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| Nursery management                                    | -              | -                   | -      | -     | -     | -      | -     | -           |
| Integrated Nutrient Management                        | 03             | 54                  | -      | 54    | 06    | -      | 06    | 60          |
| Integrated Crop Management                            | 09             | 162                 | -      | 162   | 18    | -      | 18    | 180         |
| Fodder production                                     | -              | -                   | -      | -     | -     | -      | -     | -           |
| Production of organic inputs                          | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| <b>II Horticulture</b>                                |                |                     |        |       |       |        |       |             |
| <b>a) Vegetable Crops</b>                             |                |                     |        |       |       |        |       |             |
| Production of low volume and high value crops         | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| Off-season vegetables                                 |                |                     |        |       |       |        |       |             |
| Nursery raising                                       | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| Exotic vegetables like Broccoli                       | -              | -                   | -      | -     | -     | -      | -     | -           |
| Export potential vegetables                           | -              | -                   | -      | -     | -     | -      | -     | -           |
| Grading and standardization                           | -              | -                   | -      | -     | -     | -      | -     | -           |
| Protective cultivation (Green Houses, Shade Net etc.) | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| Others (Production and Management technology)         | 03             | 54                  | -      | 54    | 06    | -      | 06    | 60          |
| <b>b) Fruits</b>                                      |                |                     |        |       |       |        |       |             |
| Training and Pruning                                  | -              | -                   | -      | -     | -     | -      | -     | -           |
| Layout and Management of Orchards                     | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| Cultivation of Fruit                                  | -              | -                   | -      | -     | -     | -      | -     | -           |
| Management of young plants/orchards                   |                |                     |        |       |       |        |       |             |
| Rejuvenation of old orchards                          |                |                     |        |       |       |        |       |             |
| Export potential fruits                               | -              | -                   | -      | -     | -     | -      | -     | -           |
| Micro irrigation systems of orchards                  | -              | -                   | -      | -     | -     | -      | -     | -           |
| Plant propagation techniques                          | -              | -                   | -      | -     | -     | -      | -     | -           |
| Others (Production and Management technology)         | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| <b>c) Ornamental Plants</b>                           |                |                     |        |       |       |        |       |             |
| Nursery Management                                    | 01             | 18                  | -      | 18    | 02    | -      | 02    | 20          |
| Management of potted plants                           |                |                     |        |       |       |        |       |             |
| Export potential of ornamental plants                 |                |                     |        |       |       |        |       |             |

|  |    |    |    |    |    |    |    |     |
|--|----|----|----|----|----|----|----|-----|
| Propagation techniques of Ornamental Plants                          | 02 | 36 | -  | 36 | 04 | -  | 04 | 40  |
| Others (Post harvest management technology)                          | 01 | 18 | -  | 18 | 02 | -  | 02 | 20  |
| d) Plantation crops  |    |    |    |    |    |    |    |     |
| Production and Management technology                                 | -  | -  | -  | -  | -  | -  | -  | -   |
| Processing and value addition  | -  | -  | -  | -  | -  | -  | -  | -   |
| e) Tuber crops   |    |    |    |    |    |    |    |     |
| Production and Management technology                                 |    |    |    |    |    |    |    |     |
| Processing and value addition  | -  | -  | -  | -  | -  | -  | -  | -   |
| f) Spices  |    |    |    |    |    |    |    |     |
| Production and Management technology                                 | 02 | 36 | -  | 36 | 04 | -  | 04 | 40  |
| Processing and value addition  | -  | -  | -  | -  | -  | -  | -  | -   |
| Others (Post harvest technology)                                     | 01 | 18 | -  | 18 | 02 | -  | 02 | 20  |
| g) Medicinal and Aromatic Plants                                     |    |    |    |    |    |    |    |     |
| Nursery management   | -  | -  | -  | -  | -  | -  | -  | -   |
| Production and management technology                                 | -  | -  | -  | -  | -  | -  | -  | -   |
| Post harvest technology and value addition                           | -  | -  | -  | -  | -  | -  | -  | -   |
| III Soil Health and Fertility Management                             |    |    |    |    |    |    |    |     |
| Soil fertility management  | -  | -  | -  | -  | -  | -  | -  | -   |
| Soil and Water Conservation  | -  | -  | -  | -  | -  | -  | -  | -   |
| Integrated Nutrient Management                                       | -  | -  | -  | -  | -  | -  | -  | -   |
| Production and use of organic inputs                                 | -  | -  | -  | -  | -  | -  | -  | -   |
| Balance use of fertilizers   | -  | -  | -  | -  | -  | -  | -  | -   |
| Micro nutrient deficiency in crops                                   | -  | -  | -  | -  | -  | -  | -  | -   |
| Nutrient Use Efficiency  | -  | -  | -  | -  | -  | -  | -  | -   |
| Soil and Water Testing   | -  | -  | -  | -  | -  | -  | -  | -   |
| <b>IV Livestock Production and Management</b>                        |    |    |    |    |    |    |    |     |
| Dairy Management   | 05 | 90 | -  | 90 | 10 | -  | 10 | 100 |
| Poultry Management   |    |    |    |    |    |    |    |     |
| Piggery Management   |    |    |    |    |    |    |    |     |
| Rabbit Management /goat  |    |    |    |    |    |    |    |     |
| Disease Management   | 03 | 54 | -  | 54 | 06 | -  | 06 | 60  |
| Feed management  | 03 | 54 | -  | 54 | 06 | -  | 06 | 60  |
| Production of quality animal products                                |    |    |    |    |    |    |    |     |
| <b>V Home Science/Women empowerment</b>                              |    |    |    |    |    |    |    |     |
| Household food security by kitchen gardening and nutrition gardening | 02 | -  | 36 | 36 | -  | 04 | 04 | 40  |
| Design and development of low/minimum cost diet                      | 02 | -  | 36 | 36 | -  | 04 | 04 | 40  |

|   |    |    |    |    |    |    |    |    |
|---|----|----|----|----|----|----|----|----|
| Designing and development for high nutrient efficiency diet | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| Minimization of nutrient loss in processing                 | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| Gender mainstreaming through SHGs                           | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| Storage loss minimization techniques                        | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| Value addition  | 03 | -  | 54 | 54 | -  | 06 | 06 | 60 |
| Income generation activities for empowerment of rural Women | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| Location specific drudgery reduction technologies           | 01 | -  | 18 | 18 | -  | 02 | 02 | 20 |
| Rural Crafts  |    |    |    |    |    |    |    |    |
| Women and child care  | 02 | -  | 36 | 36 | -  | 04 | 04 | 40 |
| <b>VI Agril. Engineering</b>                                |    |    |    |    |    |    |    |    |
| Installation and maintenance of micro irrigation systems    |    |    |    |    |    |    |    |    |
| Use of Plastics in farming practices                        |    |    |    |    |    |    |    |    |
| Production of small tools and implements                    |    |    |    |    |    |    |    |    |
| Repair and maintenance of farm machinery and implements     |    |    |    |    |    |    |    |    |
| Small scale processing and value addition                   |    |    |    |    |    |    |    |    |
| Post Harvest Technology                                     |    |    |    |    |    |    |    |    |
| <b>VII Plant Protection</b>                                 |    |    |    |    |    |    |    |    |
| Integrated Pest Management                                  | 04 | 72 |    | 72 | 08 |    | 08 | 80 |
| Integrated Disease Management                               | 04 | 72 |    | 72 | 08 |    | 08 | 80 |
| Bio-control of pests and diseases                           | -  | -  | -  | -  | -  | -  | -  | -  |
| Production of bio control agents and bio pesticides         | -  | -  | -  | -  | -  | -  | -  | -  |
| <b>VIII Fisheries</b>                                       |    |    |    |    |    |    |    |    |
| Integrated fish farming                                     |    |    |    |    |    |    |    |    |
| Carp breeding and hatchery management                       |    |    |    |    |    |    |    |    |
| Carp fry and fingerling rearing                             |    |    |    |    |    |    |    |    |
| Composite fish culture                                      |    |    |    |    |    |    |    |    |
| Hatchery management and culture of freshwater prawn         |    |    |    |    |    |    |    |    |
| Breeding and culture of ornamental fishes                   |    |    |    |    |    |    |    |    |
| Portable plastic carp hatchery                              |    |    |    |    |    |    |    |    |
| Pen culture of fish and prawn                               |    |    |    |    |    |    |    |    |
| Shrimp farming  |    |    |    |    |    |    |    |    |

|   |           |             |            |             |            |           |            |             |
|---|-----------|-------------|------------|-------------|------------|-----------|------------|-------------|
| Edible oyster farming                                 |           |             |            |             |            |           |            |             |
| Pearl culture   |           |             |            |             |            |           |            |             |
| Fish processing and value addition                    |           |             |            |             |            |           |            |             |
| <b>IX Production of Inputs at site</b>                |           |             |            |             |            |           |            |             |
| Seed Production                                       |           |             |            |             |            |           |            |             |
| Planting material production (Horti.)                 |           |             |            |             |            |           |            |             |
| Bio-agents production                                 |           |             |            |             |            |           |            |             |
| Bio-pesticides production                             |           |             |            |             |            |           |            |             |
| Bio-fertilizer production                             |           |             |            |             |            |           |            |             |
| Vermi-compost production (Horti.)                     |           |             |            |             |            |           |            |             |
| Organic manures production (A.S.)                     |           |             |            |             |            |           |            |             |
| Production of fry and fingerlings                     |           |             |            |             |            |           |            |             |
| Production of Bee-colonies and wax sheets             |           |             |            |             |            |           |            |             |
| Small tools and implements                            |           |             |            |             |            |           |            |             |
| Production of livestock feed and fodder               |           |             |            |             |            |           |            |             |
| Production of Fish feed                               |           |             |            |             |            |           |            |             |
| <b>X Capacity Building and Group Dynamics</b>         |           |             |            |             |            |           |            |             |
| Leadership development                                | 01        | 18          | -          | 18          | 02         | -         | 02         | 20          |
| Group dynamics  | 04        | 72          | -          | 72          | 08         | -         | 08         | 80          |
| Formation and Management of SHGs(HS)                  |           |             |            |             |            |           |            |             |
| Mobilization of social capital                        | 04        | 72          | -          | 72          | 08         | -         | 08         | 80          |
| Entrepreneurial development of farmers/youths (Agro.) | 01        | 18          | -          | 18          | 02         | -         | 02         | 20          |
| WTO and IPR issues                                    |           |             |            |             |            |           |            |             |
| Others(Capacity building for ICT)                     | 04        | 72          | -          | 72          | 08         | -         | 08         | 80          |
| <b>XI Agro-forestry</b>                               |           |             |            |             |            |           |            |             |
| Production technologies                               |           |             |            |             |            |           |            |             |
| Nursery management                                    |           |             |            |             |            |           |            |             |
| Integrated Farming Systems (Agro)                     |           |             |            |             |            |           |            |             |
| <b>XII Others (Pl. Specify)</b>                       |           |             |            |             |            |           |            |             |
| <b>Crop Improvement</b>                               |           |             |            |             |            |           |            |             |
| <b>TOTAL</b>  | <b>82</b> | <b>1206</b> | <b>270</b> | <b>1476</b> | <b>134</b> | <b>30</b> | <b>164</b> | <b>1640</b> |
| <b>(B) RURAL YOUTH</b>                                |           |             |            |             |            |           |            |             |
| <b>Mushroom Production</b>                            | 01        | 08          | -          | 08          | 02         | -         | 02         | 10          |
| <b>Bee-keeping</b>                                    | 01        | 08          | -          | 08          | 02         | -         | 02         | 10          |
| <b>Integrated farming</b>                             |           |             |            |             |            |           |            |             |
| <b>Seed production</b>                                |           |             |            |             |            |           |            |             |
| <b>Production of organic inputs</b>                   | 01        | 08          | -          | 08          | 02         | -         | 02         | 10          |
| <b>Integrated Farming (Medicinal)</b>                 |           |             |            |             |            |           |            |             |

|  |           |           |           |           |           |          |           |            |
|--|-----------|-----------|-----------|-----------|-----------|----------|-----------|------------|
| <b>Planting material production</b>                            |           |           |           |           |           |          |           |            |
| <b>Vermi-culture</b>   | -         | -         | -         | -         | -         | -        | -         | -          |
| <b>Sericulture</b>   |           |           |           |           |           |          |           |            |
| <b>Protected cultivation of vegetable crops</b>                | 01        | 08        | -         | 08        | 02        | -        | 02        | 10         |
| <b>Commercial fruit production</b>                             |           |           |           |           |           |          |           |            |
| <b>Repair and maintenance of farm machinery and implements</b> |           |           |           |           |           |          |           |            |
| <b>Nursery Management of Horticulture crops</b>                | 01        | 08        | -         | 08        | 02        | -        | 02        | 10         |
| <b>Training and pruning of orchards</b>                        |           |           |           |           |           |          |           |            |
| <b>Value addition</b>  | 01        | -         | 08        | 08        | -         | 02       | 02        | 10         |
| <b>Production of quality animal products</b>                   |           |           |           |           |           |          |           |            |
| <b>Dairying</b>  | 01        | 08        | -         | 08        | 02        | -        | 02        | 10         |
| <b>Sheep and goat rearing</b>                                  | 01        | 08        | -         | 08        | 02        | -        | 02        | 10         |
| <b>Quail farming</b>   |           |           |           |           |           |          |           |            |
| <b>Piggery</b>   |           |           |           |           |           |          |           |            |
| <b>Rabbit farming</b>  |           |           |           |           |           |          |           |            |
| <b>Poultry production</b>                                      |           |           |           |           |           |          |           |            |
| <b>Ornamental fisheries</b>                                    |           |           |           |           |           |          |           |            |
| <b>Para vets</b>   |           |           |           |           |           |          |           |            |
| <b>Para extension workers</b>                                  |           |           |           |           |           |          |           |            |
| <b>Composite fish culture</b>                                  |           |           |           |           |           |          |           |            |
| <b>Freshwater prawn culture</b>                                |           |           |           |           |           |          |           |            |
| <b>Shrimp farming</b>  |           |           |           |           |           |          |           |            |
| <b>Pearl culture</b>   |           |           |           |           |           |          |           |            |
| <b>Cold water fisheries</b>                                    |           |           |           |           |           |          |           |            |
| <b>Fish harvest and processing technology</b>                  |           |           |           |           |           |          |           |            |
| <b>Fry and fingerling rearing</b>                              |           |           |           |           |           |          |           |            |
| <b>Small scale processing</b>                                  |           |           |           |           |           |          |           |            |
| <b>Post Harvest Technology</b>                                 |           |           |           |           |           |          |           |            |
| <b>Tailoring and Stitching</b>                                 | 01        | -         | 08        | 08        | -         | 02       | 02        | 10         |
| <b>Rural Crafts</b>  |           |           |           |           |           |          |           |            |
| <b>Others (Group dynamics and farmers organization)</b>        | 02        | 16        | -         | 16        | 04        | -        | 04        | 20         |
| <b>TOTAL</b>   | <b>11</b> | <b>72</b> | <b>16</b> | <b>88</b> | <b>18</b> | <b>4</b> | <b>22</b> | <b>110</b> |
| <b>(C) Extension Personnel</b>                                 |           |           |           |           |           |          |           |            |
| <b>Productivity enhancement in field crops</b>                 | 01        | 08        | -         | 08        | 02        | -        | 02        | 10         |
| <b>Integrated Pest Management</b>                              | 05        | 40        | -         | 40        | 10        | -        | 10        | 50         |
| <b>Integrated Nutrient management</b>                          |           |           |           |           |           |          |           |            |

|   |            |             |            |             |            |           |            |             |
|---|------------|-------------|------------|-------------|------------|-----------|------------|-------------|
| Rejuvenation of old orchards                          |            |             |            |             |            |           |            |             |
| Protected cultivation technology                      |            |             |            |             |            |           |            |             |
| Formation and Management of SHGs                      | 01         | 08          | -          | 08          | 02         | -         | 02         | 10          |
| Group Dynamics and farmers organization               | 01         | 08          | -          | 08          | 02         | -         | 02         | 10          |
| Information networking among farmers                  | 01         | 08          | -          | 08          | 02         | -         | 02         | 10          |
| Capacity building for ICT application                 | 01         | 08          | -          | 08          | 02         | -         | 02         | 10          |
| Care and maintenance of farm machinery and implements |            |             |            |             |            |           |            |             |
| WTO and IPR issues                                    |            |             |            |             |            |           |            |             |
| Management in farm animals                            | 01         | 08          | -          | 08          | 02         | -         | 02         | 10          |
| Livestock feed and fodder production                  | 01         | 08          | -          | 08          | 02         | -         | 02         | 10          |
| Household food security                               |            |             |            |             |            |           |            |             |
| Women and Child care                                  | 01         | -           | 08         | 08          | -          | 02        | 02         | 10          |
| Low cost and nutrient efficient diet designing        | 01         | -           | 08         | 08          | -          | 02        | 02         | 10          |
| Production and use of organic inputs                  | 02         | 16          | -          | 16          | 04         | -         | 04         | 20          |
| Gender mainstreaming through SHGs                     |            |             |            |             |            |           |            |             |
| Any other (Pl. Specify) ICM                           | 02         | 16          | -          | 16          | 04         | -         | 04         | 20          |
| Nursery Management                                    | 01         | 08          | -          | 08          | 02         | -         | 02         | 10          |
| Post harvest management                               | 01         | 08          | -          | 08          | 02         | -         | 02         | 10          |
| <b>TOTAL</b>  | <b>20</b>  | <b>144</b>  | <b>16</b>  | <b>160</b>  | <b>36</b>  | <b>4</b>  | <b>40</b>  | <b>200</b>  |
| <b>G. Total</b>                                       | <b>113</b> | <b>1422</b> | <b>302</b> | <b>1724</b> | <b>188</b> | <b>38</b> | <b>226</b> | <b>1950</b> |

Details of training programmers attached in **Annexure - 1**

### Contd. 3.3 SUMMARY OF TRAINING PROGRAMME

A.

| Subject            | Practicing Farmer |          |          |          |            |           |           |           | Rural Youths             |          |          |          |
|--------------------|-------------------|----------|----------|----------|------------|-----------|-----------|-----------|--------------------------|----------|----------|----------|
|                    | On Campus         |          |          |          | Off Campus |           |           |           | On Campus/<br>Off Campus |          |          |          |
|                    | I                 | II       | III      | IV       | I          | II        | III       | IV        | I                        | II       | III      | IV       |
| Crop Production    | 2                 | 3        | 2        | 2        | 2          | 3         | 2         | 3         | -                        | -        | 1        | -        |
| Plant protection   | 1                 | 1        | 1        | 1        | 1          | 1         | 1         | 1         | -                        | -        | 1        | 1        |
| Horticulture       | 1                 | 1        | 1        | 2        | 3          | 2         | 3         | 2         | -                        | 1        | -        | 1        |
| Live Stock Prod.   | 1                 | 1        | 1        | 1        | 1          | 2         | 2         | 2         | -                        | 1        | 1        | -        |
| Home Sci.          | 1                 | 1        | 2        | 1        | 3          | 1         | 3         | 3         | -                        | 1        | -        | 1        |
| Agri. Extension    | 1                 | 1        | 1        | 1        | 3          | 3         | 2         | 2         | 1                        | -        | 1        | -        |
| <b>Total</b>       | <b>7</b>          | <b>8</b> | <b>8</b> | <b>8</b> | <b>13</b>  | <b>12</b> | <b>13</b> | <b>13</b> | <b>1</b>                 | <b>3</b> | <b>4</b> | <b>3</b> |
| <b>Grand Total</b> | <b>31</b>         |          |          |          | <b>51</b>  |           |           |           | <b>11</b>                |          |          |          |

B.

| Subject            | Sponsored                      |    |     |    | Extension Functionaries |    |     |    |
|--------------------|--------------------------------|----|-----|----|-------------------------|----|-----|----|
|                    | I                              | II | III | IV | I                       | II | III | IV |
| Crop Production    | <i>As per H.Q.'s direction</i> |    |     |    | 1                       | 1  | 1   | 1  |
| Plant protection   | -do-                           |    |     |    | 1                       | -  | 2   | 1  |
| Horticulture       | -do-                           |    |     |    | 1                       | 1  | 1   | -  |
| Live Stock Prod.   | -do-                           |    |     |    | -                       | 1  | 1   | -  |
| Home Sci.          | -do-                           |    |     |    | -                       | -  | 1   | 1  |
| Agri. Extension    | -do-                           |    |     |    | 1                       | 2  | 1   | -  |
|                    | <b>TOTAL</b>                   |    |     |    | 4                       | 6  | 7   | 3  |
| <b>Grand Total</b> |                                |    |     |    | <b>20</b>               |    |     |    |



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

| Nature of Extension Activity            | No. of activities | Farmers     |            |             | Extension Officials |           |            | Total       |            |             |
|---|-------------------|-------------|------------|-------------|---------------------|-----------|------------|-------------|------------|-------------|
|   |                   | Male        | Female     | Total       | Male                | Female    | Total      | Male        | Female     | Total       |
| Field Day                               | 05                | 125         | 20         | 145         | -                   | -         | -          | 125         | 20         | 145         |
| Kisan Mela                              | 01                | 400         | 50         | 450         | 15                  | 02        | 17         | 415         | 52         | 467         |
| Kisan Ghosthi                           | 01                | 400         | 50         | 450         | 15                  | 02        | 17         | 415         | 52         | 467         |
| Exhibition                              | 01                | 400         | 50         | 450         | 15                  | 02        | 17         | 415         | 52         | 467         |
| Film Show                               | -                 | -           | -          | -           | -                   | -         | -          | -           | -          |             |
| Farmers Seminar                         |                   |             |            |             |                     |           |            |             |            |             |
| Workshop                                |                   |             |            |             |                     |           |            |             |            |             |
| Group meetings                          | 01                | 40          | -          | 40          | 05                  | -         | 05         | 45          | -          | 45          |
| Lectures delivered as resource persons  | 10                | 200         | 20         | 220         | 100                 | -         | 100        | 300         | 20         | 320         |
| Newspaper coverage                      | 50                | -           | -          | -           | -                   | -         | -          | -           | -          | Mass        |
| Radio talks                             | 05                | -           | -          | -           | -                   | -         | -          | -           | -          | Mass        |
| TV talks                                | 02                | -           | -          | -           | -                   | -         | -          | -           | -          | Mass        |
| Popular articles                        | 02                | -           | -          | -           | -                   | -         | -          | -           | -          | Mass        |
| Extension Literature                    | 05                | -           | -          | -           | -                   | -         | -          | -           | -          | Mass        |
| Advisory Services                       |                   |             |            |             |                     |           |            |             |            |             |
| Scientific visit to farmers field       | 50                | 250         | -          | 250         | 50                  | -         | 50         | 300         | -          | 300         |
| Farmers visit to KVK                    | 200               | 800         | 25         | 825         | 75                  | -         | 75         | 875         | 25         | 900         |
| Diagnostic visits                       | 10                | 250         | 50         | 300         | -                   | -         | -          | 250         | 50         | 300         |
| Exposure visits                         | 02                | 100         | -          | 100         | -                   | -         | -          | 100         | -          | 100         |
| Ex-trainees Sammelan                    | 01                | 50          | -          | 50          | 03                  | -         | 03         | 53          | -          | 53          |
| Soil health Camp                        | 03                | 300         | 100        | 400         | -                   | -         | -          | 300         | 100        | 400         |
| Animal Health Camp                      | 01                | 100         | -          | 100         | -                   | -         | -          | 100         | -          | 100         |
| Agri mobile clinic                      |                   |             |            |             |                     |           |            |             |            |             |
| Soil test campaigns                     | 02                | 300         | 20         | 320         | 25                  | -         | 25         | 325         | 20         | 345         |
| Farm Science Club Conveners meet        |                   |             |            |             |                     |           |            |             |            |             |
| Self Help Group Conveners meetings      | 01                | 10          | 10         | 20          | -                   | -         | -          | 10          | 10         | 20          |
| Mahila Mandals Conveners meetings       |                   |             |            |             |                     |           |            |             |            |             |
| Celebration of important days (specify) | 03                | 150         | 30         | 180         | 05                  | -         | 05         | 155         | 30         | 185         |
| Krishi Mohostva                         |                   |             |            |             |                     |           |            |             |            |             |
| Krishi Rath                             |                   |             |            |             |                     |           |            |             |            |             |
| Pre Kharif workshop                     | 01                | 100         | 25         | 125         | -                   | -         | -          | 100         | 25         | 125         |
| Pre Rabi workshop                       | 01                | 100         | 25         | 125         | -                   | -         | -          | 100         | 25         | 125         |
| PPVFRA workshop                         |                   |             |            |             |                     |           |            |             |            |             |
| PMFBY Sammelan                          | 02                | 200         | 25         | 225         | 05                  | -         | 05         | 205         | 25         | 230         |
| Soil Health card distribution           | 02                | 300         | 20         | 320         | 25                  | -         | 25         | 325         | 20         | 345         |
| Any Other (Specify)                     |                   |             |            |             |                     |           |            |             |            |             |
| <b>Total</b>                            | <b>362</b>        | <b>4575</b> | <b>520</b> | <b>5095</b> | <b>338</b>          | <b>06</b> | <b>344</b> | <b>4913</b> | <b>526</b> | <b>5439</b> |

**3.5 Target for Production and supply of Technological products Jan. 2024to Dec. 2024**  
**SEED MATERIALS**

| Sl. No.                 | Crop    | Variety                     | Quantity (q.)               |
|-------------------------|---------|-----------------------------|-----------------------------|
| <b>Commercial</b>       |         |                             |                             |
| <b>CEREALS</b>          | Wheat   | WB-2<br>HD-3086<br>DBW-88   | 200 q                       |
| <b>OILSEEDS</b>         | Mustard | RH -0749/ Available variety | 100q                        |
|                         |         |                             |                             |
|                         |         |                             |                             |
| <b>VEGETABLES</b>       |         |                             |                             |
| <b>OTHERS (Specify)</b> | Dhencha | Local                       | Green<br>Manauring<br>300.0 |

**PLANTING MATERIALS**

| Sl. No.                 | Crop     | Variety                         | Quantity (Nos.) |
|-------------------------|----------|---------------------------------|-----------------|
| <b>FRUITS</b>           | Papaya   | Pusa Nanha, Taiwan              | 1000            |
|                         |          |                                 |                 |
| <b>SPICES</b>           |          |                                 |                 |
|                         |          |                                 |                 |
| <b>VEGETABLES</b>       |          |                                 |                 |
|                         | Tomato   | Swarna Deepti &<br>Swarna Anmol | 2000            |
|                         | Onion    | Bheema Red & Bheema<br>Dark Red | 7000            |
| <b>FOREST SPECIES</b>   |          |                                 |                 |
| <b>ORNAMENTAL CROPS</b> | Marigold | Pusa Mosmi, Pusa<br>Basanti     | 10000           |
|                         |          | <b>Total</b>                    | <b>20000.00</b> |

**Bio-products**

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

**LIVESTOCK**

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

### 3.6. Literature to be Developed/Published

(A) **KVK News Letter** (Date of start, Periodicity, number of copies to be published etc.)- Yet to be come

(B) Literature to be developed/published

| Item                            | No. of copies |
|---------------------------------|---------------|
| Research paper each scientist   | 02            |
| Technical reports               | 35            |
| New letters                     | 15            |
| Technical manual all discipline | 05            |
| Poplar articles                 | 20            |
| Extension literature            | 25            |
| Other (specify)                 |               |
| <b>Total</b>                    | <b>110</b>    |

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

| S. No. | Type of media (CD / VCD / DVD / Audio-Cassette) | Title of the programme                     | Number |
|--------|---|--|--------|
| 1      | CD/Audio-Cassette                               | Vermi-Compost/Pressmud composting          | 01     |
| 2      | CD/Audio-Cassette                               | Balance Nutrient-management in Rabi crops. | 01     |

### 3.7. Success stories/Case studies identified for development as a case. 02

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

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

- a) PRA
- b) Group discussion
- c) Interviews.

#### Rural Youth

- a) PRA
- b) Group discussion

#### In-service personnel

- a) Departmental Meetings
- b) Group discussions.

### 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

**For FLD :Nutrient management in Sugarcane, Paddy & Wheat, Control of blast disease in paddy & Weed management in paddy/wheat.**

- i) New variety/technology
- ii) Poor yield at farmers level
- iii) Existing cropping system

### 3.10 Field activities

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

| S.No. | Name of scientist | Village Name     | Block       |
|-------|-------------------|------------------|-------------|
| 1     | Dr. P.K. Madke    | Kaniya Kalyanpur | Simmbhawali |
| 2     | Dr. Virendra Pal  | Badagpur         | Hapur       |
| 3     | Dr. Vinita Singh  | Simmroli         | Hapur       |
| 4     | Dr. Neelam Kumari | Upeda            | Hapur       |
| 5     | Dr. Ashok Singh   | Sikhera          | Simmbhawali |

- ii. No. of farm families selected per village : 10
- iii. No. of survey/PRA conducted : 01
- iv. No. of technologies taken to the adopted villages 02
- v. Name of the technologies found suitable by the farmers of the adopted villages:
- vi. Impact (production, income, employment, area/technological– horizontal/vertical)
- vii. Constraints if any in the continued application of these improved technologies

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

Status of establishment of Lab:

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

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

## 4.0 LINKAGES

### 4.1 Functional linkage with different organizations

| Name of organization        | Nature of linkage   |
|-----------------------------|---|
| Deptt. of Agriculture       | Diagnostic survey, Participation in Kisan Mela, Kisan Gosthi, Advisory service, Training and field day. |
| Deptt. Of Horticulture      | Diagnostic survey, Participation in Kisan Mela, Kisan Gosthi, Advisory service, Training and field day. |
| Deptt. Of Animal Husbandry  | Participation in Animal Health camp and Pashu Palak Gosthi, advisory services.                          |
| Deptt. of soil conservation | Participation in training programme & advisory services.  |
| IFFCO/KRIBHCO               | Participation in training programme   |
| NSC                         | Seed production programme   |
| NGO's                       | Participation in training programme   |
| SVPUA&T, Meerut             | Participation in Farmer's fair, training prog., technology& meeting                                     |
| ICAR                        | Financial support and technology (Newly released varieties and crop management)                         |
| IARI & SAU's                | Technology (Newly released varieties and crop management)   |

#### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

| Sl. No. | Programme         | Nature of linkage                |
|---------|-------------------|----------------------------------|
| 1.      | Kisan Gosthi      | Participation as resource person |
| 2.      | Field Day         | Participation as resource person |
| 3.      | Kisan Mela        | Participation as resource person |
| 4       | FLD               | Participation as resource person |
| 5       | Validation trials | Participation as resource person |
| 6       | Farmers training  | Participation as resource person |
| 7       | Exposure Visit    | Participation as resource person |

#### 5.0 Utilization of hostel facilities

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

#### 6.0 Convergence with departments :

Details of the programmes being implemented by your KVK in partnership with other institution

| S. No. | Name of Programme | Main Institution (IARI, DBT, DST, UPCAR, etc.) | Duration         | Budget (in lakh) |
|--------|-------------------|--|------------------|------------------|
| 1      | F.T.T.            | UP Govt.                                       | 6 days           | 0.40             |
| 2      | ASCI              | ICAR   | More than 5 days |                  |

## Details of Training Programme

### (i) ON Campus training for Practicing Farmers and farm Women

| Subject             | Title   | Date                | Clientele | Duration<br>in days | Venue<br>off/on | No. of Participants |    |       | Number of SC/ST |   |       |
|---------------------|---|---------------------|-----------|---------------------|-----------------|---------------------|----|-------|-----------------|---|-------|
|                     |   |                     |           |                     |                 | M                   | F  | Total | M               | F | Total |
| <b>Ist Quarter</b>  |   |                     |           |                     |                 |                     |    |       |                 |   |       |
| Crop<br>Production  | i Practicing different intercropping methods and its application in intercropping of Urd/moong in spring sugarcane. | 10-12 March<br>24   | PF        | 3                   | On              | 18                  | -  | 18    | 2               | - | 2     |
|                     | ii. Methods of crop residue management and its role in enrichment of soil organic matter                            | 11-13 March<br>24   | PF        | 3                   | On              | 18                  | -  | 18    | 2               | - | 2     |
| LPM                 | i. Care and management of calf during winter season   | 10-12 Jan. 24       | PF        | 3                   | On              | 18                  | -  | 18    | 2               | - | 2     |
| Plant<br>Protection | i. Integrated disease management in sugarcane   | 15-18 March<br>2024 | PF        | 4                   | On              | 18                  | -  | 18    | 2               | - | 2     |
| Horticulture        | i. Early sowing techniques & mulching of watermelon and muskmelon under poly low tunnel.                            | 02-05 Jan. 24       | PF        | 4                   | On              | 18                  | -  | 18    | 2               | - | 2     |
| Home Sci.           | i. Introduction of gender friendly small tools and implements for enhancement of work efficiency for farm women     | 05-07 Feb<br>2024   | PF        | 3                   | On              | -                   | 18 | 18    | -               | 2 | 2     |
| Agri.<br>Extension  | i. Application of ICT tools in Agriculture.   | 09-12 jan.<br>2024  | PF        | 4                   | On              | 18                  | -  | 18    | 2               | - | 2     |

| Subject             | Title  | Date                   | Clientele | Duration<br>in days | Venue<br>off/on | No. of Participants |    |       | Number of SC/ST |   |       |
|---------------------|--|------------------------|-----------|---------------------|-----------------|---------------------|----|-------|-----------------|---|-------|
|                     |  |                        |           |                     |                 | M                   | F  | Total | M               | F | Total |
| <b>IInd Quarter</b> |  |                        |           |                     |                 |                     |    |       |                 |   |       |
| Crop<br>Production  | i. Management of sugarcane ratoon and intercropped Urdbean and sugarcane ratoon                                  | 03-05<br>April 24      | PF        | 3                   | On              | 18                  | -  | 18    | 2               | - | 2     |
|                     | ii. Methods and Management under rice nursery raising, transplanting and integrated nutrient management in rice. | 05-07 June<br>24       | PF        | 3                   | On              | 18                  | -  | 18    | 2               | - | 2     |
|                     | iii. Introduction with important Indian millets and their methods of cultivation.                                | 21-23 June<br>24       | PF        | 3                   | On              | 18                  | -  | 18    | 2               | - | 2     |
| Livestock<br>prod.  | i. Urea treatment of poor quality roughages like wheat straw and paddy straw.                                    | 9-11 April<br>24       | PF        | 3                   | On              | 18                  | -  | 18    | 2               | - | 2     |
| Plant<br>protection | i. Integrated insect & disease management in Cucurbits crop.   | 18-21<br>April 24      | PF        | 4                   | On              | 18                  | -  | 18    | 2               | - | 2     |
| Horticulture        | i. Planting & layout techniques of mango and guava orchard   | 10-13 June<br>2024     | PF        | 4                   | On              | 18                  | -  | 18    | 2               | - | 2     |
| Home Sci.           | i. Value addition of staple crops.   | 18-20<br>April 21      | PF        | 3                   | On              | -                   | 18 | 18    | -               | 2 | 2     |
| Agri.<br>Extension  | i. Formation and management of SHGs rural women.   | 02-05<br>April<br>2024 | PF        | 4                   | On              | 18                  | -  | 18    | 2               | - | 2     |

| Subject              | Title  | Date                                   | Clientele | Duration<br>in days | Venue<br>off/on | No. of Participants |          |          | Number of SC/ST |        |        |
|----------------------|--|--|-----------|---------------------|-----------------|---------------------|----------|----------|-----------------|--------|--------|
|                      |  |  |           |                     |                 | M                   | F        | Total    | M               | F      | Total  |
| <b>IIIrd Quarter</b> |  |  |           |                     |                 |                     |          |          |                 |        |        |
| Crop<br>Production   | Importance of millets in human diet and cultivation of Pearl millet and Sorghum. | 10-12 July 24                          | PF        | 3                   | On              | 18                  | -        | 18       | 2               | -      | 2      |
|                      | Integrated Weed Management in paddy.   | 24-26 July 24                          | PF        | 3                   | On              | 18                  | -        | 18       | 2               | -      | 2      |
| Livestock<br>prod.   | i. Importance of Mineral mixture in dairy animal.                                | 10-12 July 24                          | PF        | 3                   | On              | 18                  | -        | 18       | 2               | -      | 2      |
| Plant<br>protection  | i. Integrated insect management in Urd   | 16-19 Aug.<br>24                       | PF        | 4                   | On              | 18                  | -        | 18       | 2               | -      | 2      |
| Horticulture         | i. Marigold & chrysanthemum in complete packages and practices.                  | 05-08 Aug.<br>2024                     | PF        | 4                   | On              | 18                  | -        | 18       | 2               | -      | 2      |
| Home Sci.            | i. Low budget nutritious food<br>ii. Balance diet for children to improve health | 01-03 July<br>2024<br>22-24 Aug.<br>24 | PF<br>PF  | 3<br>3              | On<br>On        | -<br>-              | 18<br>18 | 18<br>18 | -<br>-          | 2<br>2 | 2<br>2 |
| Agri.<br>Extension   | i. e-Governance platforms awareness and impact of FPOs.                          | 14-17 Aug.<br>2024                     | PF        | 4                   | On              | 18                  | -        | 18       | 2               | -      | 2      |



| Subject             | Title | Date | Clientele | Duration<br>in days | Venue<br>off/on | No. of Participants |   |       | Number of SC/ST |   |       |
|---------------------|-------|------|-----------|---------------------|-----------------|---------------------|---|-------|-----------------|---|-------|
|                     |       |      |           |                     |                 | M                   | F | Total | M               | F | Total |
| <b>IVth Quarter</b> |       |      |           |                     |                 |                     |   |       |                 |   |       |

|                     |  |                    |    |   |    |    |    |    |   |   |   |
|---------------------|--|--------------------|----|---|----|----|----|----|---|---|---|
| Crop<br>Production  | i. Introduction to modern composting methods and its production technique of quality vermicompost. | 09-11 Oct. 24      | PF | 3 | On | 18 | -  | 18 | 2 | - | 2 |
|                     | ii. Selection of improved timely sown varieties of wheat and their seed production technology.     | 04-06 Nov 24       | PF | 3 | On | 18 | -  | 18 | 2 | - | 2 |
| LPM                 | i. Balance feeding of cattle and buffaloes.  | 7-9 Oct. 24        | PF | 3 | On | 18 | -  | 18 | 2 | - | 2 |
| Plant<br>Protection | i. Integrated insect & disease management in m rabi pulses.  | 16-19 Nov.<br>24   | PF | 4 | On | 18 | -  | 18 | 2 | - | 2 |
| Horticulture        | Intercropping of spices crop with autumn planting of sugarcane.                                    | 03-06 Oct. 24      | PF | 4 | On | 18 | -  | 18 | 2 | - | 2 |
|                     | Improved vase life and post harvest management of Gladiolus crop.                                  | 24-27 Dec.24       | PF | 4 | On | 18 | -  | 18 | 2 | - | 2 |
| Home Sci.           | Household food security by nutrition gardening through organic farming                             | 23-25 Oct. 24      | PF | 3 | On | -  | 18 | 18 | - | 2 | 2 |
| Agri.<br>Extension  | i. Online marketing of Agricultural commodities on e-governance platform and future markets.       | 23-26 oct.<br>2024 | PF | 4 | On | 18 | -  | 18 | 2 | - | 2 |

## (ii) OFF Campus training for Practicing Farmers and Farm Women

| Subject            | Title   | Date                       | Clientele | Duration in days | Venue off/on | No. of Participants |    |       | Number of SC/ST |   |       |
|--------------------|---|----------------------------|-----------|------------------|--------------|---------------------|----|-------|-----------------|---|-------|
|                    |   |                            |           |                  |              | M                   | F  | Total | M               | F | Total |
| <b>Ist Quarter</b> |   |                            |           |                  |              |                     |    |       |                 |   |       |
| Crop Production    | Ratoon management of sugarcane crop   | 19 Jan. 24                 | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
|                    | Establishment of Integrated Farming System Model for small and marginal farmers | 02 Feb 24                  | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
| LPM                | Mastitis diseases in milch animals its causes and control.                      | 15 Mar.24                  | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
| Plant Protection   | Technique and importance of Seed treatment in <i>zaid</i> crops                 | 12 Feb. 2024               | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
| Horticulture       | i. Inter cultural operation in Onion crop                                       | 16 Jan. 24                 | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
|                    | ii. Post harvest management of spices crop.                                     | 19 Feb. 24                 | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
|                    | iii. Sowing techniques of cucurbits crops.                                      | 27 Feb. 24                 | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
| Home Sci.          | Minimization of nutrient loss in processing                                     | 29 Jan. 24                 | PF        | 1                | Off          | -                   | 18 | 18    | -               | 2 | 2     |
|                    | Health`s benefits and nutritious value of sahjan                                | 22 <sup>nd</sup> Feb,24    | PF        | 1                | Off          | -                   | 18 | 18    | -               | 2 | 2     |
|                    | Creation of selfhelp group and its benefit of farm women for income generation. | 20 <sup>th</sup> March, 24 | PF        | 1                | Off          | -                   | 18 | 18    | -               | 2 | 2     |
| Agri. Extension    | i. Role of ICT tools in Agriculture.  | 04 Jan. 2024               | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
|                    | i. Preparation of Business plan for FPOs .                                      | 05 Feb. 2024               | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
|                    | ii. Awareness among farmers importance of natural farming.                      | 14 March 2024              | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |

| Subject            | Title | Date | Clientele | Duration<br>in days | Venue<br>off/ on | No. of Participants |   |       | Number of SC/ST |   |       |
|--------------------|-------|------|-----------|---------------------|------------------|---------------------|---|-------|-----------------|---|-------|
|                    |       |      |           |                     |                  | M                   | F | Total | M               | F | Total |
| <b>IIndQuarter</b> |       |      |           |                     |                  |                     |   |       |                 |   |       |

|                  |   |               |    |   |     |    |    |    |   |   |   |
|------------------|---|---------------|----|---|-----|----|----|----|---|---|---|
| Crop Production  | Production technology and scientific management of late planted sugarcane crop. | 10 April 24   | PF | 1 | Off | 18 | -  | 18 | 2 | - | 2 |
|                  | Field sanitation and weed management during summer.                             | 03 May 24     | PF | 1 | Off | 18 | -  | 18 | 2 | - | 2 |
|                  | Production technology of Sorghum and Pearl millet.                              | 19 July 24    | PF | 1 | Off | 18 | -  | 18 | 2 | - | 2 |
| LPM              | Green fodder production throughout the year                                     | 13 May 24     | PF | 1 | Off | 18 | -  | 18 | 2 | - | 2 |
|                  | Balance ration for milch animals and heifers                                    | 28 June 24    | PF | 1 | Off | 18 | -  | 18 | 2 | - | 2 |
| Plant protection | i. Integrated insect management in sugarcane                                    | 25 May 24     | PF | 1 | Off | 18 | -  | 18 | 2 | - | 2 |
| Horticulture     | i. Cultivation techniques of okra on ridges bed system.                         | 03 April 2024 | PF | 1 | Off | 18 | -  | 18 | 2 | - | 2 |
|                  | I. Planting techniques in Banana crop.  | 24 April 2023 | PF | 1 | Off | 18 | -  | 18 | 2 | - | 2 |
| Home sci.        | i. Preparation of mango pickle in kharif  | 14 May 2024   | PF | 1 | Off | -  | 18 | 18 | - | 2 | 2 |
| Agri. Extension  | i. Application of Tricocards and sticky traps in agriculture .                  | 19 April 2024 | PF | 1 | Off | 18 | -  | 18 | 2 | - | 2 |
|                  | ii. Promotion and awareness of various government schemes of agriculture.       | 21 May 2024   | PF | 1 | Off | 18 | -  | 18 | 2 | - | 2 |
|                  | iii. Application of ICT tools in agriculture.                                   | 06 June 2024  | PF | 1 | Off | 18 | -  | 18 | 2 | - | 2 |

| Subject              | Title   | Date                      | Clientele | Duration<br>in days | Venue<br>off/on | No. of Participants |    |       | Number of SC/ST |   |       |
|----------------------|---|---------------------------|-----------|---------------------|-----------------|---------------------|----|-------|-----------------|---|-------|
|                      |   |                           |           |                     |                 | M                   | F  | Total | M               | F | Total |
| <b>IIIrd Quarter</b> |   |                           |           |                     |                 |                     |    |       |                 |   |       |
| Crop<br>Production   | i.Sulphur management and thinning in Mustard.                                 | 01 Oct. 24                | PF        | 1                   | Off             | 18                  | -  | 18    | 2               | - | 2     |
|                      | ii. Production technology and intercropping in autumn planted.                | 15 Oct. 24                | PF        | 1                   | Off             | 18                  | -  | 18    | 2               | - | 2     |
| Horticulture         | i. Fertilizer management in Marigold crop.                                    | 13 July 24                | PF        | 1                   | Off             | 18                  | -  | 18    | 2               | - | 2     |
|                      | i. Preparation of nursery in Tomato crop                                      | 24Aug 24                  | PF        | 1                   | Off             | 18                  | -  | 18    | 2               | - | 2     |
|                      | i.Sowing techniques in Gladiolus crop   | 28 Sept. 24               | PF        | 1                   | Off             | 18                  | -  | 18    | 2               | - | 2     |
| LPM                  | Effect of deworming in farm animals   | 16 July 2024              | PF        | 1                   | Off             | 18                  | -  | 18    | 2               | - | 2     |
|                      | Infertility problem in dairy animal.  | 12 Aug. 24                | PF        | 1                   | Off             | 18                  | -  | 18    | 2               | - | 2     |
| Plant<br>Protection  | i. Management of termite in <i>kharif</i> crops                               | 20 July 24                | PF        | 1                   | Off             | 18                  | -  | 18    | 2               | - | 2     |
| Home Scie.           | Role of women in agriculture  | 28 <sup>th</sup> Aug, 24  | PF        | 1                   | Off             | -                   | 18 | 18    | -               | 2 | 2     |
|                      | Selection, grading and selling of food items.                                 | 17 Sept, 24               | PF        | 1                   | Off             | -                   | 18 | 18    | -               | 2 | 2     |
|                      | Household food security by nutrition gardening through organic farming        | 23 <sup>rd</sup> Sept, 24 | PF        | 1                   | Off             | -                   | 18 | 18    | -               | 2 | 2     |
| Agri.<br>Extension   | i. Awareness and promotion of e-governance platforms among farmers.           | 10 July. 2024             | PF        | 1                   | Off             | 18                  | -  | 18    | 2               | - | 2     |
|                      | ii. Organic vegetables value chain model development through group formation. | 27 Sept.<br>2024          | PF        | 1                   | Off             | 18                  | -  | 18    | 2               | - | 2     |

| Subject             | Title  | Date                        | Clientele | Duration in days | Venue off/on | No. of Participants |    |       | Number of SC/ST |   |       |
|---------------------|--|-----------------------------|-----------|------------------|--------------|---------------------|----|-------|-----------------|---|-------|
|                     |  |                             |           |                  |              | M                   | F  | Total | M               | F | Total |
| <b>IVth Quarter</b> |  |                             |           |                  |              |                     |    |       |                 |   |       |
| Crop Production     | Production technology of timely sown wheat.                                    | 25 Oct. 24                  | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
|                     | Integrated Weed Management in wheat.   | 12 Nov. 24                  | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
|                     | Methodology of natural farming and production of inputs under natural farming  | 27 Nov 24                   | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
| Horticulture        | i. Sowing techniques in vegetable pea.   | 10 Oct 24                   | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
|                     | i. Planting of Garlic on ridges bed system.                                    | 20 Nov.24                   | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
| LPM                 | Care and management of newly born calves.                                      | 08 Nov. 24                  | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
|                     | Care of milch animals and calves in winter season.                             | 12 Dec. 24                  | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
| Plant Protection    | i. Management of early and late blight disease in potato                       | 18 Dec. 2024                | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
| Home Sci.           | i. Awareness of Immunization and its schedule                                  | 20 Oct. 24                  | PF        | 1                | Off          | -                   | 18 | 18    | -               | 2 | 2     |
|                     | ii.Reduction of time & drudgery by the use of improved Agricultural implements | 20 <sup>th</sup> Nov., 2024 | PF        | 1                | Off          | -                   | 18 | 18    | -               | 2 | 2     |
|                     | iii. Role of vitamin & minerals in diet  | 20 <sup>th</sup> Dec., 2024 | PF        | 1                | Off          | -                   | 18 | 18    | -               | 2 | 2     |
| Agri. Extension     | Promotion of Post harvest management practicies in Agri. To start new startups | 26 Nov. 2024                | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |
|                     | Management and leadership skill development among FPO members.                 | 10 Dec. 2024                | PF        | 1                | Off          | 18                  | -  | 18    | 2               | - | 2     |

### ON Campus/ OFF Campus : Vocational training programme for Rural Youth (ON/OFF Campus)

| Subject                        | Title   | Date              | Thrust Area                             | Clientele | Duration<br>in days | Venue<br>off/on | No. of Participants |    |       | Number of SC/ST |   |       |
|--------------------------------|---|-------------------|---|-----------|---------------------|-----------------|---------------------|----|-------|-----------------|---|-------|
|                                |   |                   |   |           |                     |                 | M                   | F  | Total | M               | F | Total |
| <b>Ist Quarter</b>             |   |                   |   |           |                     |                 |                     |    |       |                 |   |       |
| Agri. Extension                | Formation and impact of SHGs on progress of rural women                           | Jan-March 2024    | Group Dynamics and farmers organization | RY        | 21                  | On/Off          | 08                  | -  | 08    | 2               | - | 2     |
| <b>IInd Quarter</b>            |   |                   |   |           |                     |                 |                     |    |       |                 |   |       |
| LPM                            | Dairy Farming.  | June 24           | Promotion of Dairy farming              | RY        | 21                  | On/Off          | 08                  | -  | 08    | 2               | - | 2     |
| Horticulture                   | Propagation techniques and nursery management of fruits crop.                     | May to June. 24   | Nursery management                      | RY        | 21                  | On/Off          | 08                  | -  | 08    | 2               | - | 2     |
| Home Sci.                      | Processing and value addition of mango  | June. 24          | Value addition                          | RY        | 21                  | On/Off          | -                   | 08 | 08    | -               | 2 | 2     |
| <b>IIIrd Quarter</b>           |   |                   |   |           |                     |                 |                     |    |       |                 |   |       |
| Crop production                | Technique of composting and production for good quality vermicompost              | Sept. 24          | Organic manure                          | RY        | 21                  | On/Off          | 08                  | -  | 08    | 2               | - | 2     |
| Plant Protection               | Production technology of Mashroom.  | Aug to sept. 2024 | Mushroom Production                     | RY        | 21                  | On/Off          | -                   | 08 | 08    | -               | 2 | 2     |
| LPM                            | Goat farming  | Sept. 24          | Goat farming                            | RY        | 21                  | On/Off          | 08                  | -  | 08    | 2               | - | 2     |
| Agri. Extension                | Formation and management of FPOs for development of sustainable agri-value chain. | July-Sept. 2024   | Group Dynamics and farmers organization | RY        | 21                  | On/Off          | 08                  | -  | 08    | 2               | - | 2     |
| <b>IV<sup>th</sup> Quarter</b> |   |                   |   |           |                     |                 |                     |    |       |                 |   |       |
| Horticulture                   | Off season Vegetable  | Dec. 24 to        | Protected Cultivation                   | RY        | 21                  | On/Off          | 08                  | -  | 08    | 2               | - | 2     |

|                  |  |                        |                   |    |    |        |    |   |    |   |   |   |
|------------------|--|------------------------|-------------------|----|----|--------|----|---|----|---|---|---|
|                  | production & nursery management techniques under poly house. | Jan 25                 |                   |    |    |        |    |   |    |   |   |   |
| Plant protection | Bee Keeping  | Oct. 2024 to Nov. 2024 | Bee-Keeping       | RY | 21 | On/Off | 08 | - | 08 | 2 | - | 2 |
| Home Sci.        | Clothing making-Embroidery, Stitching                        | Dec. 24                | Women empowerment | RY | 21 | On/Off | 08 | - | 08 | 2 | - | 2 |

### (iii) Training Programme for Extension Functionaries

| Subject | Title | Date | Clientele | Duration in days | Venue off/on | No. of Participants |   |       | Number of SC/ST |   |       |
|---------|-------|------|-----------|------------------|--------------|---------------------|---|-------|-----------------|---|-------|
|         |       |      |           |                  |              | M                   | F | Total | M               | F | Total |

| <b>Ist Quarter</b> |   |             |    |   |        |    |   |    |   |   |   |
|--------------------|---|-------------|----|---|--------|----|---|----|---|---|---|
| Crop Production    | Production technology of intercrop in spring sugarcane                  | 23 Feb. 24  | EF | 1 | On/Off | 08 | - | 08 | 2 | - | 2 |
| Horticulture       | Intercropping of cucurbits with spring sugarcane                        | 04 March 24 | EF | 1 | On/Off | 08 | - | 08 | 2 | - | 2 |
| Plant Protection   | Effect of pesticides on honey bees and their importance in agriculture. | 22 Feb. 24  | EF | 1 | On/Off | 08 | - | 08 | 2 | - | 2 |
| Agri. Extension    | Importance and use of ICT tools in Agriculture                          | 02 Feb. 24  | EF | 1 | On/Off | 08 | - | 08 | 2 | - | 2 |

| Subject             | Title  | Date         | Clientele | Duration in days | Venue off/on | No. of Participants |   |       | Number of SC/ST |   |       |
|---------------------|--|--------------|-----------|------------------|--------------|---------------------|---|-------|-----------------|---|-------|
|                     |  |              |           |                  |              | M                   | F | Total | M               | F | Total |
| <b>IInd Quarter</b> |  |              |           |                  |              |                     |   |       |                 |   |       |
| Crop production     | i. Production technology of major Indian millets.  | 08 May 24    | EF        | 1                | On/Off       | 08                  | - | 08    | 2               | - | 2     |
| Horticulture        | Nursery management of early variety of cauliflower.  | 14 May 24    | EF        | 1                | On/Off       | 08                  | - | 08    | 2               | - | 2     |
| Plant protection    | Identification of important parasitoides and predators of insect pest affecting Paddy and sugarcane crops. | 25 June 2024 | EF        | 1                | On/Off       | 08                  | - | 08    | 2               | - | 2     |
| LPM                 | Management of milking animal during summer season.   | 21 May 24    | EF        | 1                | On/Off       | 08                  | - | 08    | 2               | - | 2     |
| Agri. Extension     | Promotion of new agri-startups among SHGs rural women for generation of income.                            | 07 May 24    | EF        | 1                | On/Off       | 08                  | - | 08    | 2               | - | 2     |
|                     | Importance and promotion of soil health management and natural farming.                                    | 25 June 2024 | EF        | 1                | On/Off       | 08                  | - | 08    | 2               | - | 2     |

|                      |  |                 |    |   |        |    |    |    |   |   |   |
|----------------------|--|-----------------|----|---|--------|----|----|----|---|---|---|
| <b>IIIrd quarter</b> |  |                 |    |   |        |    |    |    |   |   |   |
| Crop production      | Methods of composting and production for quality vermicompost                                  | 07 Aug. 24      | EF | 1 | On/Off | 08 | -  | 08 | 2 | - | 2 |
| Horticulture         | Use of value addition of various medicinal and aromatic plant.                                 | 04 Aug.24       | EF | 1 | On/Off | 08 | -  | 08 | 2 | - | 2 |
| LPM                  | Importance of mineral mixture & vitamins in animal feeds                                       | 26 Sept. 24     | EF | 1 | On/Off | 08 | -  | 08 | 2 | - | 2 |
| Plant Protection     | Introduction of IPM technologies.  | 01 Aug. 2024    | EF | 1 | On/Off | 08 | -  | 08 | 2 | - | 2 |
|                      | Use of pesticides in pigeon pea crop.  | 28 Sept. 24     | EF | 1 | On/Off | 08 | -  | 08 | 2 | - | 2 |
| Home Sci.            | Health`s benefits and nutritious value of sahan (Drum stick)                                   | 30 August, 2024 | EF | 1 | On/Off | -  | 08 | 08 | - | 2 | 2 |
| Agri. Extension      | Branding and Digital marketing for successful agri-business development through FPOs and SHGs. | 11 Sept. 24     | EF | 1 | On/Off | 08 | -  | 08 | 2 | - | 2 |



| <b>IVth Quarter</b> |  |              |    |   |        |    |    |    |   |   |   |
|---------------------|--|--------------|----|---|--------|----|----|----|---|---|---|
| Crop Production     | Integrated weed management in major <i>Rabi</i> crops        | 22 Nov. 2024 | EF | 1 | On/Off | 08 | -  | 08 | 2 | - | 2 |
| Plant Protection    | Use and Importance of bio pesticides on crop production.     | 25 Nov. 24   | EF | 1 | On/Off | 08 | -  | 08 | 2 | - | 2 |
| Home Sci.           | Anemia during pregnancy: its causes prevention and treatment | 21 Oct. 2024 | EF | 1 | On/Off | -  | 08 | 08 | - | 2 | 2 |