

## PROFORMA FOR PREPARATION OF ANNUAL REPORT (January to December 2021)

### APR SUMMARY

(Note: While preparing summary, please don't add or delete any row or columns)

#### 1. Training Programmes

| Clientele               | No. of Courses | Male        | Female     | Total participants |
|-------------------------|----------------|-------------|------------|--------------------|
| Farmers & farm women    | 64             | 1175        | 378        | 1553               |
| Rural youths            | 5              | 90          | 1          | 91                 |
| Extension functionaries | 6              | 70          | 115        | 185                |
| Sponsored Training      | 1              | 64          | 34         | 98                 |
| Vocational Training     | 1              | 20          | 0          | 20                 |
| <b>Total</b>            | <b>77</b>      | <b>1419</b> | <b>528</b> | <b>1947</b>        |

#### 2. Frontline demonstrations

| Enterprise            | No. of Farmers | Area (ha)      | Units/Animals |
|-----------------------|----------------|----------------|---------------|
| Oilseeds              | 50             | 20.0           |               |
| Pulses                | 62             | 25.0           |               |
| Cereals               | 409            | 78.2           |               |
| Vegetables            | 10             | 0.5            |               |
| Other crops           | 116            | 14.5           |               |
| Hybrid crops          |                |                |               |
| <b>Total</b>          | <b>647</b>     | <b>138.2</b>   |               |
| Livestock & Fisheries | 10             | 0.003          | 10            |
| Other enterprises     | 65             | 0.14           | 25            |
| <b>Total</b>          | <b>75</b>      | <b>0.143</b>   | <b>35</b>     |
| <b>Grand Total</b>    | <b>722</b>     | <b>138.343</b> | <b>70</b>     |

#### 3. Technology Assessment & Refinement

| Category                   | No. of Technology Assessed & Refined | No. of Trials | No. of Farmers |
|----------------------------|--------------------------------------|---------------|----------------|
| <b>Technology Assessed</b> |                                      |               |                |
| Crops                      | 5                                    | 25            |                |
| Livestock                  | 1                                    | 5             |                |
| Various enterprises        |                                      |               |                |
| <b>Total</b>               | <b>6</b>                             | <b>30</b>     |                |
| <b>Technology Refined</b>  |                                      |               |                |
| Crops                      |                                      |               |                |
| Livestock                  |                                      |               |                |
| Various enterprises        |                                      |               |                |
| <b>Total</b>               |                                      |               |                |
| <b>Grand Total</b>         | <b>6</b>                             | <b>30</b>     |                |

#### 4. Extension Programmes

| Category                   | No. of Programmes | Total Participants |
|----------------------------|-------------------|--------------------|
| Extension activities       | 837               | 21311              |
| Other extension activities |                   |                    |
| <b>Total</b>               |                   |                    |

### 5. Mobile Advisory Services

| Name of KVK | Message Type                    | Type of Messages |           |             |            |              |                  | Total        |
|-------------|---------------------------------|------------------|-----------|-------------|------------|--------------|------------------|--------------|
|             |                                 | Crop             | Livestock | Weather     | Marketing  | Awareness    | Other enterprise |              |
|             | Text only                       | 75               |           | 5           | 2          | 25           | 12               | 119          |
|             | Voice only                      | 10               |           |             |            | 4            |                  | 14           |
|             | Voice & Text both               |                  |           |             |            |              |                  |              |
|             | <b>Total Messages</b>           | <b>85</b>        |           | <b>5</b>    | <b>2</b>   | <b>16</b>    | <b>12</b>        | <b>119</b>   |
|             | <b>Total farmers Benefitted</b> | <b>20000</b>     |           | <b>1000</b> | <b>450</b> | <b>18250</b> | <b>1080</b>      | <b>40780</b> |

### 6. Seed & Planting Material Production

|                            | Quintal/Number | Value Rs. |
|----------------------------|----------------|-----------|
| Seed (q)                   | 203            | 666770    |
| Planting material (No.)    | 21000          | 16600     |
| Bio-Products (kg)          |                |           |
| Livestock Production (No.) |                |           |
| Fishery production (No.)   |                |           |

### 7. Soil, water & plant Analysis

| Samples      | No. of Beneficiaries | Value Rs. |
|--------------|----------------------|-----------|
| Soil         | 213                  |           |
| Water        |                      |           |
| Plant        |                      |           |
| <b>Total</b> |                      |           |

### 8. HRD and Publications

| Sr. No. | Category                    | Number |
|---------|-----------------------------|--------|
| 1       | Workshops                   |        |
| 2       | Conferences                 |        |
| 3       | Meetings                    |        |
| 4       | Trainings for KVK officials | 1      |
| 5       | Visits of KVK officials     |        |
| 6       | Book published              | 2      |
| 7       | Training Manual             | 2      |
| 8       | Book chapters               |        |
| 9       | Research papers             | 5      |
| 10      | Lead papers                 |        |
| 11      | Seminar papers              | 2      |
| 12      | Extension folder            |        |
| 13      | Proceedings                 |        |
| 14      | Award & recognition         | 2      |
| 15      | On going research projects  | 1      |

## DETAIL REPORT OF APR-2021

### 1. GENERAL INFORMATION ABOUT THE KVK

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

| Address  | Telephone                   |                  | E mail   |
|--|-----------------------------|------------------|--|
|  | Office                      | FAX              |  |
| Mahayogi<br>Gorakhnath Krishi<br>Vigyan Kendra,<br>Chauk Mafi<br>(Peppeganj),<br>Jangal Kaudia,<br>Gorakhpur, (U.P.) | 0551-<br>2255453<br>2255454 | 0551-<br>2255455 | <a href="mailto:gorakhpurkvk2@gmail.com">gorakhpurkvk2@gmail.com</a> |

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

| Address  | Telephone                        |                          | E mail   |
|--|----------------------------------|--------------------------|--|
|  | Office                           | FAX                      |  |
| Guru Gorakshnath<br>Sewa Santhan, Sri<br>Gorakhnath<br>Mandir, Gorakhpur | <b>0551-<br/>2255453,<br/>54</b> | <b>0551-<br/>2255455</b> | <a href="mailto:gorakhpurkvk2@gmail.com">gorakhpurkvk2@gmail.com</a> |

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

| Name                      | Telephone / Contact |            |  |
|---------------------------|---------------------|------------|--|
|                           | Residence           | Mobile     | Email  |
| Dr. Sandip Kumar<br>Singh | -                   | 9453721026 | <a href="mailto:gorakhpurkvk2@gmail.com">gorakhpurkvk2@gmail.com</a> |

#### 1.4. Year of sanction: 2016

1.5. Staff Position (as on 31<sup>st</sup> December, 2020)

| Sl. No. | Sanctioned post             | Name of the incumbent        | Design-ation                 | Subject                        | Pay Scale (Rs.) | Present basic (Rs.) | Date of joining | Perman-ent /Temp-orary | Category (SC/ST/OBC/Others) | Mobile no. | Age | Email id   |
|---------|-----------------------------|------------------------------|------------------------------|--------------------------------|-----------------|---------------------|-----------------|------------------------|-----------------------------|------------|-----|--|
| 1       | Programme Coordinator       | Dr. Sandip Kumar Singh       | Sr. Scientist cum Head       | Agronomy                       | 37400-67000     | 46,400              | 20/01/2021      | Temporary              | Others                      | 9453721026 | 43  | sandipsingh11@rediffmail.com   |
| 2       | Subject Matter Specialist   | Dr. Vivek Pratap Singh       | Subject Matter Specialist    | Animal Husbandary and Dairying | 15600-39100     | 22,280              | 31/07/2017      | Temporary              | Others                      | 9415745095 | 34  | vpslpm@gmail.com   |
| 3       | Subject Matter Specialist   | Dr. Ajit Kumar Srivastava    | Subject Matter Specialist    | Horticulture                   | 15600-39100     | 22,280              | 01/08/2017      | Temporary              | Others                      | 8787264166 | 44  | <a href="mailto:ajitcar@gmail.com">ajitcar@gmail.com</a>                   |
| 4       | Subject Matter Specialist   | Dr. Rahul Kumar Singh        | Subject Matter Specialist    | Agri. Extension                | 15600-39100     | 22,280              | 01/08/2017      | Temporary              | Others                      | 9454054072 | 30  | rahulrrex91@gmail.com  |
| 5       | Subject Matter Specialist   | Mr. Avanish Kumar Singh      | Subject Matter Specialist    | Agronomy                       | 15600-39100     | 22,280              | 01/08/2017      | Temporary              | Others                      | 9792099943 | 35  | <a href="mailto:avanishsinghcar@gmail.com">avanishsinghcar@gmail.com</a>   |
| 6       | Subject Matter Specialist   | Mr. Sandeep Prakash Upadhyay | Subject Matter Specialist    | Soil Science                   | 15600-39100     | 22,280              | 01/08/2017      | Temporary              | Others                      | 9690475529 | 29  | sandeepupadhyay383@gmail.com   |
| 7       | Subject Matter Specialist   | Mrs. Shweta Singh            | Subject Matter Specialist    | Home Science                   | 15600-39100     | 21000               | 18/01/2021      | Temporary              | Others                      | 9453158193 | 35  | shweta429@gmail.com  |
| 8       | Programme Assistant         | Gaurav Kumar Singh           | Programme Assistant-Computer | IT                             | 9300-34800      | 37,600              | 14/08/2017      | Temporary              | Others                      | 9838674999 | 34  | <a href="mailto:vishengaurav@gmail.com">vishengaurav@gmail.com</a>         |
| 9       | Computer Programmer         | Jitendra Kumar Singh         | Programme Assistant          | Lab. Technician                | 9300-34800      | 36,500              | 14.08.2018      | Temporary              | OBC                         | 9956912021 | 27  | <a href="mailto:jitendra.s273158@gmail.com">jitendra.s273158@gmail.com</a> |
| 10      | Farm Manager                | Ashish Kumar Singh           | Programme Assistant          | Farm Manager                   | 9300-34800      | 36,500              | 14.08.2018      | Temporary              | Others                      | 7752941868 | 31  | <a href="mailto:ashishksingh1994@gmail.com">ashishksingh1994@gmail.com</a> |
| 11      | Accountant / Superintendent | Shubham Pandey               | Assistant                    | Assistant                      | 9300-34800      | 36,500              | 14.08.2018      | Temporary              | Others                      | 7752941868 | 29  | <a href="mailto:luckywatson123@gmail.com">luckywatson123@gmail.com</a>     |
| 12      | Stenographer                | Vacant                       | Stenographer Grade-III       |                                |                 |                     |                 |                        |                             |            |     |  |
| 13      | Driver                      | Sanjay                       | Driver-cum-                  | Driver                         | 5200-           | 22,400              | 14.08.2018      | Temporary              | OBC                         | 9415853387 | 34  | <a href="mailto:sanjayadavmgkvk@gmail.com">sanjayadavmgkvk@gmail.com</a>   |

|    |                  |                       |                          |                          |            |        |            |           |        |            |    |  |
|----|------------------|-----------------------|--------------------------|--------------------------|------------|--------|------------|-----------|--------|------------|----|--|
|    |                  | Kumar Yadav           | Mechanic                 |                          | 20200      |        |            |           |        |            |    |  |
| 14 | Driver           | Dinesh Rao            | Driver-cum-Mechanic      | Driver                   | 5200-20200 | 22,400 | 14.08.2018 | Temporary | OBC    | 9695713464 | 31 | <a href="mailto:dineshgkp1991@gmail.com">dineshgkp1991@gmail.com</a>             |
| 15 | Supporting staff | Jai Prakash Singh     | Supporting Staff Grade-I | Skilled Supporting Staff | 5200-20200 | 18,500 | 14.08.2018 | Temporary | Others | 8545003001 | 29 | <a href="mailto:jaiprakashsingh1005@gmail.com">jaiprakashsingh1005@gmail.com</a> |
| 16 | Supporting staff | Abhimanyu Kumar Verma | Supporting Staff Grade-I | Skilled Supporting Staff | 5200-20200 | 18,500 | 14.08.2018 | Temporary | OBC    | 9918989802 | 29 | <a href="mailto:abhimanyuverma0808@gmail.com">abhimanyuverma0808@gmail.com</a>   |

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

| S. No. | Item                      | Area (ha) |
|--------|---------------------------|-----------|
| 1      | Under Buildings           | 0.055     |
| 2.     | Under Demonstration Units | 1.0       |
| 3.     | Under Crops               | 12        |
| 4.     | Orchard/Agro-forestry     | 2         |
| 5.     | Others (specify)          | 5         |

## 1.7. Infrastructural Development:

## A) Buildings

| S. No. | Name of building                 | Source of funding | Stage              |                    |                   |               |                    |                        |
|--------|----------------------------------|-------------------|--------------------|--------------------|-------------------|---------------|--------------------|------------------------|
|        |                                  |                   | Complete           |                    |                   | Incomplete    |                    |                        |
|        |                                  |                   | Completion Date    | Plinth area (Sq.m) | Expenditure (Rs.) | Starting Date | Plinth area (Sq.m) | Status of construction |
| 1.     | Administrative Building          | ICAR              | 02-03-2019         | 550                | 144.09            |               |                    | Completed              |
| 2.     | Farmers Hostel                   | ICAR              | 02-0-2019          | 305                | 66.41             |               |                    | Under construction     |
| 3.     | Staff Quarters(Type I & IV)      | ICAR              | 02-03-2019         | 107.5              | 61.52             |               |                    | Type I & IV Completed  |
| 4.     | Boundry Wall                     | ICAR              | Jan 2019           | 100 meter          | 14.33             |               | 14.33              | Completed              |
| 5.     | Threshing floor                  | RKVY              | Oct 2021           | 600                | 13.2              | Dec 2020      | 13.2               | Under construction     |
| 6.     | Under ground Irrigation channel  | RKVY              | Dec 2021           | 3000 meter         | 10.0              | July 2020     | 30.0               | Under construction     |
| 7.     | Integrated Farming System        | RKVY              | Under Construction |                    | 12.0              | Oct. 2020     | 25.0               | Under construction     |
| 8.     | Bee Keeping                      | RKVY              | Under Construction | 22.29              | 9.00              | Oct 2020      | 22.297             | Under construction     |
| 9.     | Fish Pond                        | RKVY              | Under Construction | 0.2 ha             | 2.5               | March 2021    | 5.0                | Under Construction     |
| 10.    | Boundry Wall                     | RKVY              | Dec 2021           | 3300meter          | 250.0             | Nov 2019      | 264.0              | Under construction     |
| 11.    | CC Road                          | RKVY              | Under Construction | 600 Meter          | 13.2              | March 2021    | 13.2               | Under Construction     |
| 12.    | Farmers Hostel cum Training Hall | RKVY              | Under Construction | 400                | 55.0              | Oct 2020      | 77.0               | Under Construction     |
| 13.    | Entrance Gate                    | RKVY              | Under Construction |                    | 0.5               | March 2021    | 2.2                | Under Construction     |
| 14.    | Implement Shade                  | RKVY              | Under Construction | 260                | -                 | March 2021    | 6.0                | Under Construction     |
| 15.    | Solar Energy Supply 5KVA         | RKVY              | 2020               | -                  | 5.0               |               | 5.0                | Completed              |
| 16.    | Solar Street Light               | RKVY              | 2020               | -                  | -                 |               | 5.0                | Under Construction     |
| 17.    | Establishment of Solar Pump 5 HP | RKVY              | 2020               | -                  | 8.0               |               | 8.0                | Completed              |

|     |   |      |                    |      |      |            |      |                    |
|-----|---|------|--------------------|------|------|------------|------|--------------------|
| 18. | Sprinkler System  | RKVY | Under Construction | 8 ha | -    |            | 5.0  | Under Construction |
| 19. | Leveling, Bunding   | RKVY | Under Construction | 20.0 | 2.0  | May 2020   | 12.0 | Under Construction |
| 20. | Poly house Net house, Green House & Permanent Nursery Bed | RKVY | Under Construction | -    | 34.8 | -          | 35.0 | Completed          |
| 21. | Mini Mother Orchard                                       | RKVY | 2020               | -    | 0.5  |            | 0.5  | Completed          |
| 22. | Mini Seed Processing Plant                                | RKVY | Under Construction | -    | 30.0 | -          | 40.0 | Under Construction |
| 23. | Azola / BGA   | RKVY | Under Construction | -    | -    | March 2021 | 0.5  | Under Construction |
| 24. | Scientific Museum   | RKVY | Under Construction |      | -    | -          | 2.0  | Under Construction |
| 25. | Mushroom Unit with processing facility                    | RKVY | Under Construction | 44.6 | -    | Oct 2020   | 20.0 | Under construction |
| 26. | Hydroponic Unit   | RKVY | March 2020         | 144  | 14.8 |            | 15.0 | Completed          |

## B) Vehicles

| Type of vehicle         | Year of purchase | Cost (Rs.) | Total km/hr. Run | Present status |
|-------------------------|------------------|------------|------------------|----------------|
| Tractor (UP 53 CL 5201) | 2017             | 9.55       | 1788 hr.         | Good Condition |
| Bolero (UP 53 AG1220)   | 2019             | 6.50       | -                | Good Condition |

## C) Equipments &amp; AV aids

| Name of the equipment  | Year of purchase | Cost (Rs.) | Present status |
|------------------------|------------------|------------|----------------|
| Groundnut Decorticator | 2019             | 5389       | Good Condition |
| UMMB machine           | 2019             | 11006      | Good Condition |

## 1.8. A). Details SAC meeting\* conducted in the year

| Sl.No. | Date       | Name and Designation of Participants  | Salient Recommendations  | Action taken  |
|--------|------------|---|--|---|
| 1.     | 26/03/2021 | 1. Prof. U.P. Singh, Vice Chairman, MGKVK<br>2. Dr. Atar Singh, Director, ICAR – ATARI, Kanpur<br>3. Dr. Raghvendra Singh, Principal Scientist, ICAR – ATARI, Kanpur<br>4. Dr. Sadhana Pandey, Principal Scientist, ICAR – ATARI, Kanpur<br>5. Dr. Ranjit Singh, Retd. Prof. ANDUA&T, Ayodhya<br>6. Dr. P. K. Singh, Retd. Prof. ANDUA&T<br>7. Sri Arun Kumar Tiwari, DHO, Gorakhpur<br>8. Sri Dinesh Kuma Nishad, Gram Pradhan Ranadih<br>9. Dr. S.K. Singh, Sr. Scientist cum Head & Member Secretary, MGKVK, Gorakhpur | 1. ....<br>2. ...<br>3. ....<br>4. ...<br>5. ...<br>6. ...<br>7. ...<br>8. ...<br>9. ... | 1. ....<br>2. ...<br>3. ....<br>4. ...<br>5. ...<br>6. ...<br>7. ...<br>8. ...<br>... |
| 2.     |            |   |  |   |

Note : This yellow mark may be treated as an example

\* Attach a copy of SAC proceedings along with list of participants

## 2. DETAILS OF DISTRICT (31<sup>st</sup> December, 2021)

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

| S. No | Farming system/enterprise                       |
|-------|---|
| 1.    | Crop Production + Livestock                     |
| 2.    | Crop Production + Poultry                       |
| 3.    | Crop Production + Fisheries                     |
| 4.    | Crop Production + Vegetable Production          |
| 5.    | Crop Production + Vegetable Production+ Orchard |

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

| S. No | Agro-climatic Zone              | Characteristics               |
|-------|---------------------------------|-------------------------------|
| 1.    | AES-1 (Sandy loam)              | Poor water holding capacity   |
| 2.    | AES-2 (Silty loam, Khadar Soil) | Medium water holding capacity |
| 3.    | AES-3 (Clay Loam)               | Good water holding capacity   |

### 2.3 Soil types

| S. No | Soil type | Characteristics                   | Area in ha |
|-------|-----------|-----------------------------------|------------|
| 1.    | AES-1     | Soil Type-Sandy loam              | 160952     |
| 2.    | AES-2     | Soil Type-Silty loam, Khadar Soil | 121714     |
| 3.    | AES-3     | Soil Type-Clay Loam               | 52651      |

### 2.4. Area, Production and Productivity of major crops cultivated in the district

| S. No    | Crop  | Area (ha) | Production (Qtl) | Productivity (Qtl /ha) |
|----------|---|-----------|------------------|------------------------|
| <b>A</b> | <b>FIELD CROPS INCLUDING OIL SEEDS AND PULSES</b> |           |                  |                        |
| 1.       | Paddy   | 150555    | 366.560          | 24.39                  |
| 2.       | Wheat   | 181728    | 703.90           | 36.96                  |
| 3.       | Mustard   | 70982     | 5.46             | 9.90                   |
| 4.       | Sugarcane   | 2993      | 215005           | 71.84                  |
| 5.       | Pigeon pea  | 298000    | 29000            | 9.80                   |
| 6.       | Chickpea  | 611885    | 760147           | 12.43                  |
| <b>B</b> | <b>FRUITS</b>                                     |           |                  |                        |
| 1.       | Banana  | 6600      | 264000           | 40.00                  |
| 2.       | Mango   | 5500      | 38500            | 07.00                  |
| 3.       | Guava   | 1550      | 15500            | 10.00                  |
| 4.       | Litchi  | 200       | 13000            | 06.50                  |
| 5.       | Jamun   | 100       | 500              | 05.00                  |
| 6.       | Papaya  | 50        | 500              | 10.00                  |
| 7.       | Jackfruit   | 40        | 360              | 09.00                  |
| 8.       | Citrus  | 20        | 160              | 08.00                  |
| <b>C</b> | <b>VEGETABLES</b>                                 |           |                  |                        |
| 1.       | Potato  | 5000      | 125490           | 250.90                 |



## 2.5. Weather data

| Month     | Rainfall (mm) | Temperature ° C |         | Relative Humidity (%) |
|-----------|---------------|-----------------|---------|-----------------------|
|           |               | Maximum         | Minimum |                       |
| Jan       | 17            | 21.4            | 9.6     | 71                    |
| Feb       | 26            | 25.3            | 12.8    | 62                    |
| March     | 14            | 31.7            | 17.5    | 43                    |
| April     | 11            | 36.9            | 22.8    | 34                    |
| May       | 35            | 37.3            | 25.5    | 47                    |
| June      | 181           | 35.3            | 26.5    | 64                    |
| July      | 342           | 31.6            | 26      | 83                    |
| August    | 289           | 31.5            | 25.8    | 84                    |
| September | 199           | 30.9            | 24.7    | 83                    |
| October   | 43            | 30.2            | 20.6    | 74                    |
| November  | 3             | 27.6            | 15.6    | 63                    |
| December  | 9             | 23.3            | 11.1    | 68                    |

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

| Category          | Population    | Production | Productivity |
|-------------------|---------------|------------|--------------|
| <b>Cattle</b>     |               |            |              |
| <i>Crossbred</i>  | 288765        |            |              |
| <i>Indigenous</i> | 186160        |            |              |
| <b>Buffalo</b>    | 279122        |            |              |
| <b>Sheep</b>      |               |            |              |
| <i>Crossbred</i>  | 234           |            |              |
| <i>Indigenous</i> | 7660          |            |              |
| <b>Goats</b>      | <b>196224</b> |            |              |
| <b>Pigs</b>       |               |            |              |
| <i>Crossbred</i>  | 2864          |            |              |
| <i>Indigenous</i> | 15168         |            |              |
| <b>Rabbits</b>    |               |            |              |
| <b>Poultry</b>    |               |            |              |
| Hens              | 682246        |            |              |
| <i>Desi</i>       |               |            |              |
| <i>Improved</i>   |               |            |              |
| Ducks             |               |            |              |
| Turkey and others |               |            |              |

| Category      | Area | Production           | Productivity |
|---------------|------|----------------------|--------------|
| Fish          | 2111 | 1002529<br>(2017-18) |              |
| <i>Marine</i> |      |                      |              |
| <i>Inland</i> |      |                      |              |
| Prawn         |      |                      |              |
| Scampi        |      |                      |              |
| Shrimp        |      |                      |              |

2.7 Details of Operational area / Villages (31<sup>st</sup> December, 2021)

| Sl.No. | Taluk       | Name of the block | Name of the village                                     | Major crops & enterprises  | Major problem identified  | Identified Thrust Areas   |
|--------|-------------|-------------------|---|--|---|---|
| 1.     | Campiorganj | Jungle Kaudia     | Nayagaon, Luxmipur, Talkoila, raipur, rasoolpur chakiya | Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Bitter Gourd, Cucumber, Pumpkin, Ridge Gourd & Cattle | Low Yield, Anestrus and malnutrition in animal, weed infestation, pod-borer in pea, chick pea, Pigeon pea, soil erosion, less use of organic manure, Lack of awareness on post-harvest technology, value addition and drudgery reduction, Lack of timely information and technical guidance, Lack of knowledge about identification of insect-pest and different symptoms of diseases and pest attack | To improve productivity per unit area through Introduction of HYV, Integrated Nutrient Management, Integrated Disease Management, Integrated Weed Management, Seed production technology Maintenance of Old Orchard, Integrated pest management, Resource Conservation Technology, Kitchen gardening for production of nutritional food by women farmers, Raising productivity of livestock by upgrading the genetic potential by artificial insemination and use of mineral mixture, proper feeding and management, Post-Harvest management of food grain seed, fruits, vegetables, milk and milk products, less use of organic manure |

|    |             |             |   |  |   |   |
|----|-------------|-------------|---|--|---|---|
| 2. | Campierganj | Bharohiya   | Chauk Mafi, Badhyachouk, Madaha, Rajabari, Rananadiha, Majhauna Sakhi,    | Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Bitter Gourd, Cucumber, Pumpkin, Ridge Gourd & Cattle | Low Yield, Anestrus and malnutrition in animal, weed infestation, pod-borer in pea, chick pea, Pigeon pea, soil erosion, less use of organic manure, Lack of awareness on post-harvest technology, value addition and drudgery reduction, Lack of timely information and technical guidance, Lack of knowledge about identification of insect-pest and different symptoms of diseases and pest attack | To improve productivity per unit area through Introduction of HYV, Integrated Nutrient Management, Integrated Disease Management, Integrated Weed Management, Seed production technology Maintenance of Old Orchard, Integrated pest management, Resource Conservation Technology, Kitchen gardening for production of nutritional food by women farmers, Raising productivity of livestock by upgrading the genetic potential by artificial insemination and use of mineral mixture, proper feeding and management, Post-Harvest management of food grain seed, fruits, vegetables, milk and milk products, less use of organic manure |
| 3. | Campierganj | Campierganj | Alamchak, Bhaghi bhari, Atkawa, Mithouri, Kalyanpur, Ramchaura, Bhagwanpu | Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Cucumber, Pumpkin, Banana, Mango                      | Incidence of insect-pest and diseases in cereals, pulses, oilseeds, fiber, sugarcane, forage, vegetable, fruit and ornamental crops, Lack of awareness about production and management of livestock's, vaccination and important disease problem in livestock   | do  |

|    |          |           |   |  |  |    |
|----|----------|-----------|---|--|--|----|
| 4. | Sadar    | Bhathat   | Attrauliya, Sarhare, Tikariya, Jungle dumri Chakjalal Aurangabad                                | Gram, Potato, Tomato, Bottle Gourd, Cucumber, Pumpkin  | Lesser adoption of Good Agronomical Practices (GAP) like summer ploughing and destruction of stubbles, line sowing and raised bed planting method, intercropping, crop rotation, green manuring and application of neem cake, ground nut cake for pest management, Lack of knowledge about HYV of horticultural crops and latest production technology | do |
| 5. | Sahjanwa | Pali      | Usri, Madar, Bharpahi, Bhaksa, Musthafabad,   | Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Ridge Gourd, Banana, Mango, Cattle                      | Lesser adoption of seed treatment technique and use of higher doses of pesticides in vegetables and cereals. Low consumption and injudicious use of pesticides in rice, wheat, pulses, fiber and fruit plants. Higher doses and frequently usage of chemical pesticides in vegetable crops.  | Do |
| 6. | Sadar    | Chargawan | Bisunpur, Jan gal aurahi, Lakshmipur, Parmesharpur, Jungle Dhushan, Siktora, Maniram, Sonbarsha | Wheat, Arhar, Mustard, Gram, Potato, Tomato, Bottle Gourd, Cucumber, Pumpkin, Ridge Gourd, Banana, Mango   | do   | do |
| 7. | Sadar    | Pipraich  | Mohanpur, Baraipur, Bela, Bhaisaha, Gaura, Gopalpur, Kushmi, Chilbilwa                          | Arhar, Mustard, Gram, Potato, Tomato, Bottle Gourd, Cucumber, Pumpkin, Ridge Gourd, Banana, Mango, Buffalo | do   | do |

|     |               |              |   |   |    |    |
|-----|---------------|--------------|---|---|----|----|
| 8.  | Chauri Chaura | Sardar Nagar | Bardi, Bhagwanpur, Chaura, Devipur, Sariyaiya, Bhauapar, Rampur rakva | Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Bottle Gourd, Cucumber, Pumpkin, Ridge Gourd, Banana, Mango, Cow | do | do |
| 9   | Sadar         | Khorabar     | Bhumihari, Amhiya, Bhaisaha, Raiganj                                  | Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, tree plantation, Mango, goat                                     | do | do |
| 10. | Sahjanwa      | Sahjanwa     | Keshokurha, Bhimapar, Keshavpur, Gahashad, basia bhagaura             | Rice, Wheat, Arhar, Mustard, Gram, Potato, Tomato, Pumpkin, Ridge Gourd, Banana, Mango, Buffalo, cow                | do | do |

## 2.8 Priority/thrust areas

| Crop/Enterprise   | Thrust area  |
|---|--|
| Crop Production   | Production Technology for kharif, rabi and zaid crop. Improved Production Technology through mechanization   |
| RCT   | Promotion of resource conservation technology  |
| Entrepreneurship  | Entrepreneurship development in rural youth  |
| Drudgery reduction  | Drudgery reduction technology and Drudgery reducing farm implements among farm women   |
| Horticultural crops   | Promotion of high value horticultural crop, Quality seed/planting material production  |
| Live stock  | Raising productivity of livestock, upgrading genetic potential through artificial insemination, use of mineral mixture, disease and parasitic control, proper feeding and management |
| Organic inputs production   | NADEP and Vermi-composting   |
| IPM   | Promotion of Integrated Pest Management strategies for safe food production and environment protection   |
| INM   | Promotion of site specific nutrient management through INM for sustainable soil health   |
| Kitchen Gardening   | Nutritional security through kitchen gardening   |
| Cucurbitaceous (bottle gourd, pumpkin, sponge gourd, bitter gourd etc.), groundnut, | Introduction of HYV, integrated disease/pest management, integrated nutrient management  |

|  |  |
|--|--|
| potato   |  |
| Rice, Wheat, Pulses<br>(Pigeon pea, chick pea, lentil, field pea, urd and moong) | Introduction of HYV, Integrated Nutrient Management, Integrated Disease Management, Resource Conservation Technology, Integrated Weed Management, Seed production technology |
| Cole crop(cauliflower, cabbage),<br>Tomato, Okra, Chilli                         | Introduction of HYV, integrated pest and disease management, integrated nutrient management  |

\* An example for guidance only

**2.9 Intervention / Programmes for the doubling the farmers income –(Jan 2021-Dec. 2021)**
**Demonstrations**

| <b>Before Interventions</b>                             | <b>Main crop Yield(q/ha)</b> | <b>Inter crop Yield(q/ha)</b> | <b>Equivalent Yield(q/ha)</b> | <b>Cost of cultivation(Rs/ha)*</b> | <b>Net income(Rs/ha)</b> | <b>B.C: Ratio</b> | <b>Remark if any</b> |
|---|------------------------------|-------------------------------|-------------------------------|------------------------------------|--------------------------|-------------------|----------------------|
| Intercropping System(Kharif-Rabi-Zaid) - Livestock etc. |                              |                               |                               |                                    |                          |                   |                      |
|   |                              |                               |                               |                                    |                          |                   |                      |
|   |                              |                               |                               |                                    |                          |                   |                      |

**Discussion:** Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) \*

| <b>After Interventions</b>                              | <b>Main crop Yield(q/ha)</b> | <b>Inter crop Yield(q/ha)</b> | <b>Equivalent yield(q/ha)</b> | <b>Cost of cultivation(Rs/ha)*</b> | <b>Net income(Rs/ha)</b> | <b>B.C: Ratio</b> | <b>Remark if any</b> |
|---|------------------------------|-------------------------------|-------------------------------|------------------------------------|--------------------------|-------------------|----------------------|
| Intercropping System(Kharif-Rabi-Zaid) - Livestock etc. |                              |                               |                               |                                    |                          |                   |                      |
|   |                              |                               |                               |                                    |                          |                   |                      |
|   |                              |                               |                               |                                    |                          |                   |                      |

**Discussion:** Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) \*

| <b>Before Interventions</b>                             | <b>Main crop Yield(q/ha)</b> | <b>Inter crop Yield(q/ha)</b> | <b>Equivalent yield(q/ha)</b> | <b>Cost of cultivation(Rs/ha)*</b> | <b>Net income(Rs/ha)</b> | <b>B.C: Ratio</b> | <b>Remark if any</b> |
|---|------------------------------|-------------------------------|-------------------------------|------------------------------------|--------------------------|-------------------|----------------------|
| Mono Cropping System(Kharif-Rabi-Zaid) - Livestock etc. |                              |                               |                               |                                    |                          |                   |                      |
|   |                              |                               |                               |                                    |                          |                   |                      |
|   |                              |                               |                               |                                    |                          |                   |                      |

**Discussion:** Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) \*

| <b>After Interventions</b>                              | <b>Main crop Yield(q/ha)</b> | <b>Inter crop Yield(q/ha)</b> | <b>Equivalent yield(q/ha)</b> | <b>Cost of cultivation(Rs/ha)*</b> | <b>Net income(Rs/ha)</b> | <b>B.C: Ratio</b> | <b>Remark if any</b> |
|---|------------------------------|-------------------------------|-------------------------------|------------------------------------|--------------------------|-------------------|----------------------|
| Mono Cropping System(Kharif-Rabi-Zaid) - Livestock etc. |                              |                               |                               |                                    |                          |                   |                      |
|   |                              |                               |                               |                                    |                          |                   |                      |
|   |                              |                               |                               |                                    |                          |                   |                      |

**Discussion:** Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) \*

| <b>Before Interventions</b>                              | <b>Main crop Yield(q/ha)</b> | <b>Inter crop Yield(q/ha)</b> | <b>Equivalent yield(q/ha)</b> | <b>Cost of cultivation(Rs/ha)*</b> | <b>Net income(Rs/ha)</b> | <b>B.C: Ratio</b> | <b>Remark if any</b> |
|--|------------------------------|-------------------------------|-------------------------------|------------------------------------|--------------------------|-------------------|----------------------|
| Relay Cropping System(Kharif-Rabi-Zaid) - Livestock etc. |                              |                               |                               |                                    |                          |                   |                      |
|  |                              |                               |                               |                                    |                          |                   |                      |
|  |                              |                               |                               |                                    |                          |                   |                      |

**Discussion:** Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) \*

| <b>After Interventions</b>                              | <b>Main crop Yield(q/ha)</b> | <b>Inter crop Yield(q/ha)</b> | <b>Equivalent yield(q/ha)</b> | <b>Cost of cultivation(Rs/ha)*</b> | <b>Net income(Rs/ha)</b> | <b>B.C: Ratio</b> | <b>Remark if any</b> |
|---|------------------------------|-------------------------------|-------------------------------|------------------------------------|--------------------------|-------------------|----------------------|
| Relay Cropping System(Kharif-Rabi-Zaid)- Livestock etc. |                              |                               |                               |                                    |                          |                   |                      |
|   |                              |                               |                               |                                    |                          |                   |                      |
|   |                              |                               |                               |                                    |                          |                   |                      |

**Discussion:** Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) \*



| <b>Before Interventions</b>                           | <b>Main crop Yield(q/ha)</b> | <b>Inter crop Yield(q/ha)</b> | <b>Equivalent yield(q/ha)</b> | <b>Cost of cultivation(Rs/ha)*</b> | <b>Net income(Rs/ha)</b> | <b>B.C: Ratio</b> | <b>Remark if any</b> |
|---|------------------------------|-------------------------------|-------------------------------|------------------------------------|--------------------------|-------------------|----------------------|
| Mixed Farming System(Kharif-Rabi-Zaid)-Livestock etc. |                              |                               |                               |                                    |                          |                   |                      |
|   |                              |                               |                               |                                    |                          |                   |                      |
|   |                              |                               |                               |                                    |                          |                   |                      |

**Discussion:** Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) \*

| <b>After Interventions</b>                              | <b>Main crop Yield(q/ha)</b> | <b>Inter crop Yield(q/ha)</b> | <b>Equivalent yield(q/ha)</b> | <b>Cost of cultivation(Rs/ha)*</b> | <b>Net income(Rs/ha)</b> | <b>B.C: Ratio</b> | <b>Remark if any</b> |
|---|------------------------------|-------------------------------|-------------------------------|------------------------------------|--------------------------|-------------------|----------------------|
| Mixed Farming System(Kharif-Rabi-Zaid) - Livestock etc. |                              |                               |                               |                                    |                          |                   |                      |
|   |                              |                               |                               |                                    |                          |                   |                      |
|   |                              |                               |                               |                                    |                          |                   |                      |

**Discussion:** Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) \*

| <b>Before Interventions</b>                   | <b>Main crop Yield(q/ha)</b> | <b>Inter crop Yield(q/ha)</b> | <b>Equivalent yield(q/ha)</b> | <b>Cost of cultivation(Rs/ha)*</b> | <b>Net income(Rs/ha)</b> | <b>B.C: Ratio</b> | <b>Remark if any</b> |
|---|------------------------------|-------------------------------|-------------------------------|------------------------------------|--------------------------|-------------------|----------------------|
| IFS System(Kharif-Rabi-Zaid) - Livestock etc. |                              |                               |                               |                                    |                          |                   |                      |
|   |                              |                               |                               |                                    |                          |                   |                      |
|   |                              |                               |                               |                                    |                          |                   |                      |

**Discussion:** Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) \*

| After Interventions                           | Main crop Yield(q/ha) | Inter crop Yield(q/ha) | Equivalent yield(q/ha) | Cost of cultivation(Rs/ha)* | Net income(Rs/ha) | B.C: Ratio | Remark if any |
|---|-----------------------|------------------------|------------------------|-----------------------------|-------------------|------------|---------------|
| IFS System(Kharif-Rabi-Zaid) - Livestock etc. |                       |                        |                        |                             |                   |            |               |
|   |                       |                        |                        |                             |                   |            |               |
|   |                       |                        |                        |                             |                   |            |               |

**Discussion:** Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) \*

Note- Same format may be used for OFT.

### 3. TECHNICAL ACHIEVEMENTS

#### 3.A. Details of target and achievements of mandatory activities by KVK during 2021

| OFT (Technology Assessment and Refinement) |             |                     |             | FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises) |             |                   |             |
|--|-------------|---------------------|-------------|---|-------------|-------------------|-------------|
| 1  |             |                     |             | 2   |             |                   |             |
| Number of OFTs                             |             | Total no. of Trials |             | Area in ha  |             | Number of Farmers |             |
| Targets                                    | Achievement | Targets             | Achievement | Targets   | Achievement | Targets           | Achievement |
| 6  | 6           | 30                  | 30          |   |             |                   |             |

| Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit) |         |             |                        |             | Extension Activities |             |                        |             |
|--|---------|-------------|------------------------|-------------|----------------------|-------------|------------------------|-------------|
| 3  |         |             |                        |             | 4                    |             |                        |             |
| Number of Courses  |         |             | Number of Participants |             | Number of activities |             | Number of participants |             |
| Clientele  | Targets | Achievement | Targets                | Achievement | Targets              | Achievement | Targets                | Achievement |
| Farmers  | 64      | 64          | 1280                   | 1553        | 623                  | 837         | 18322                  | 21311       |
| Rural youth  | 5       | 5           | 75                     | 91          |                      |             |                        |             |
| Extn. Functionaries  | 6       | 6           | 90                     | 185         |                      |             |                        |             |

| Seed Production (Qtl.) |             |                               | Planting material (Nos.) |             |                               |
|------------------------|-------------|-------------------------------|--------------------------|-------------|-------------------------------|
| 5                      |             |                               | 6                        |             |                               |
| Target                 | Achievement | Distributed to no. of farmers | Target                   | Achievement | Distributed to no. of farmers |
| 203                    | 203         | -                             | 20000                    | 21000       | 45                            |

### I.A TECHNOLOGY ASSESSMENT

#### Summary of technologies assessed under various Crops by KVKs

| Thematic areas                            | Crop      | Name of the technology assessed   | No. of trials | No. of farmers |
|---|-----------|---|---------------|----------------|
| Integrated Nutrient Management            | Paddy     | INM in paddy by use of bio fertilizers  | 5             | 5              |
| Varietal Evaluation                       | Veg. Pea  | Assessment of Variety Kashi Mukti   | 5             | 5              |
| Integrated Pest Management                | Chickpea  | Assessment of IPM practices to management of pod borer  | 5             | 5              |
| Integrated Crop Management                | Chillli   | Assessment of PGR on Chillli  | 5             | 5              |
| Integrated Disease Management             |           |   |               |                |
| Small Scale Income Generation Enterprises |           |   |               |                |
| Weed Management                           | Groundnut | Assessment of post emergence herbicide (Imazethapyr 10 % SL) for weed management in groundnut | 5             | 5              |
| Resource Conservation Technology          |           |   |               |                |
| Farm Machineries                          |           |   |               |                |

|  |  |  |           |           |
|--|--|--|-----------|-----------|
|  |  |  |           |           |
| Integrated Farming System                |  |  |           |           |
| Seed / Plant production                  |  |  |           |           |
| Post Harvest Technology / Value addition |  |  |           |           |
| Drudgery Reduction                       |  |  |           |           |
| Storage Technique                        |  |  |           |           |
| Others (Pl. specify)                     |  |  |           |           |
| <b>Total</b>                             |  |  | <b>25</b> | <b>25</b> |

#### Summary of technologies assessed under **livestock** by KVKs

| Thematic areas             | Name of the livestock enterprise | Name of the technology assessed | No. of trials | No. of farmers |
|----------------------------|----------------------------------|---------------------------------|---------------|----------------|
| Disease Management         |                                  |                                 |               |                |
| Evaluation of Breeds       |                                  |                                 |               |                |
| Feed and Fodder management |                                  |                                 |               |                |
| Nutrition Management       | Bufflao                          | 1                               | 5             | 5              |
| Production and Management  |                                  |                                 |               |                |
| Others (Pl. specify)       |                                  |                                 |               |                |
| <b>Total</b>               |                                  |                                 | <b>5</b>      | <b>5</b>       |

#### Summary of technologies assessed under various **enterprises** by KVKs

| Thematic areas | Enterprise | Name of the technology assessed | No. of trials | No. of farmers |
|----------------|------------|---------------------------------|---------------|----------------|
|                |            |                                 |               |                |
|                |            |                                 |               |                |

**Note:** Suppose **IPM in paddy** is the technology assessed by 50 KVKs in the Zone with 5 trials by each KVK, then IPM in paddy needs to be considered as a single technology, with  $50 \times 5 = 250$  trials and No. of KVKs will be 50. In addition, please note that even if IPM in paddy is done with various combinations of Technology Options (treatments), it may be considered as a single technology only.

## I.B. TECHNOLOGY REFINEMENT

### Summary of technologies refined under various **CROPS** by KVKs

| Thematic areas                            | Crop     | Name of the technology refined         | No. of trials | No. of farmers |
|---|----------|--|---------------|----------------|
| Integrated Nutrient Management            |          |  |               |                |
| Varietal Evaluation                       | Veg. Pea | Use of local Variety GS-10             | 5             | 5              |
|   |          | High yielding variety Kashi Nandini    |               |                |
| Integrated Pest Management                |          |  |               |                |
| Integrated Crop Management                | Chilli   | Without spray HYV Kashi Anmol          | 5             | 5              |
|   |          | Spary of hormones with HYV Kashi Anmol |               |                |
| Integrated Disease Management             |          |  |               |                |
| Small Scale Income Generation Enterprises |          |  |               |                |
| Weed Management                           |          |  |               |                |
| Resource Conservation Technology          |          |  |               |                |
| Farm Machineries                          |          |  |               |                |
| Integrated Farming System                 |          |  |               |                |
| Seed / Plant production                   |          |  |               |                |
| Value addition                            |          |  |               |                |
| Drudgery Reduction                        |          |  |               |                |
| Storage Technique                         |          |  |               |                |
| Others (Pl. specify)                      |          |  |               |                |
| <b>Total</b>                              |          |  |               |                |

### Summary of technologies refined under various **livestock** by KVKs

| Thematic areas             | Name of the livestock enterprise | Name of the technology refined | No. of trials | No. of farmers |
|----------------------------|----------------------------------|--------------------------------|---------------|----------------|
| Disease Management         |                                  |                                |               |                |
| Evaluation of Breeds       |                                  |                                |               |                |
| Feed and Fodder management |                                  |                                |               |                |
| Nutrition Management       |                                  |                                |               |                |
| Production and Management  |                                  |                                |               |                |
| Others (Pl. specify)       |                                  |                                |               |                |
| <b>Total</b>               |                                  |                                |               |                |

## Summary of technologies refined under various enterprises by KVKs

| Thematic areas | Enterprise | Name of the technology assessed | No. of trials | No. of farmers |
|----------------|------------|---------------------------------|---------------|----------------|
|                |            |                                 |               |                |
|                |            |                                 |               |                |

**Note:** Suppose **IPM in paddy** is the technology refined by 50 KVKs in the Zone with 5 trials by each KVK, then IPM in paddy needs to be considered as a single technology, with  $50 \times 5 = 250$  trials and No. of KVKs will be 50. In addition, please note that even if IPM in paddy is done with various combinations of Technology Options (treatments), it may be considered as a single technology only.

### I.C. TECHNOLOGY ASSESSMENT AND REFINEMENT IN DETAIL

(From each state please include the full details of three OFTs on technology assessment and or refinement under the broad thematic areas such as Integrated Crop Management, weed management, pest and disease management, nutrient management, resource conservation, livestock enterprises, Integrated Nutrient Management)

(The model for preparing the same is furnished below)

#### PEST AND DISEASE MANAGEMENT

**Problem definition:** Low yield of Chickpea due to severe infestation of pod borer and it accounting for 75% pod damage in crop.

**Technology Assessed:** Assessment of IPM strategies for pod borer management in chick pea

Chick Pea is a major pulse crop of Rabi season. The low yield of chick pea was recorded due to severe infestation of pod borer (*Helicoverpa armigera* Hubner). The problem was identified with concerned village persons during survey and KVK conducted on farm trial to assess the control measures. The different IPM strategies i.e. proper tillage, line sowing of HYV RVG 202 have been sown on farmers field. The insecticide Neem Oil will be spray at 50% flowering and at 50% pod filling stage. The infestation of plants/m<sup>2</sup> and pod/plant, yield data, farmers' reaction and other parameters will be recorded in use of IPM strategies as well as farmers' practice.

**Table:- Performance of management strategies of Pod borer in Chickpea**

| Technology Option               | No. of Trials | % of Affected plants/m <sup>2</sup> | % of damaged pod/plant | Yield (q/ha) | %increase in yield over farmers practice |
|---------------------------------|---------------|-------------------------------------|------------------------|--------------|--|
| 1                               | 2             | 3                                   | 4                      | 5            | 6  |
| Indiscriminate use of pesticide | 05            | Results awaited                     |                        |              |  |
| Use of IPM strategies           |               |                                     |                        |              |  |

| Gross Cost (Rs/ha) | Gross Return (Rs/ha) | Net Return (Rs/ha) | B:C Ratio |
|--------------------|----------------------|--------------------|-----------|
| 7                  | 8                    | 9                  | 10        |
|                    |                      |                    |           |

### NUTRIENT MANAGEMENT

**Problem Definition:** Low yield in Paddy due to use of imbalanced dose of fertilizer and no use of biofertilizer.

**Technology Assessed:** Assessment of yield and economics in paddy.

Paddy (*Oryza sativa*) is one of the most common cereals crops grown in *Kharif* season under irrigated condition. The yield of paddy is being lowered down due to use of imbalanced dose of chemical fertilizer and no use of *Azotobacter*. MGKVK Gorakhpur has designed On Farm Trial in paddy crop for yield maximization. The assessed technology of 50% less chemical fertilizer (60:40:40:25::N:P:K:Zn kg/ha) + green manuring (Dhaincha) and *Azotobacter*-  $1 \times 10^8$  cfu @250 ml/acre (as soil application @250 mL/acre + 50 kg FYM before 24 hours of transplanting) were comprised in paddy variety Sambha Sab 1. The demonstrated technology yielded 49.0 q/ha yield which was 15.84% higher over farmer's practice (42.30 q/ha). The other traits like number of effective tillers/plant, number of grains/spike and plant height were recorded more i.e. 18, 231 and 90 respectively in demonstrated technology as compared to farmer's practices. Farmers accepted and appreciated the demonstrated technology.

Table: Effect of balanced dose of chemical fertilizer with *Azotobacter* in paddy.

| Technology Option   | No. of trials | No of tillers/plants | No of grains/spike | Plant height(cm) | Yield (q/ha) | %increase in yield |
|---|---------------|----------------------|--------------------|------------------|--------------|--------------------|
| T-1: Farmers Practice<br>Imbalanced fertilizer<br>and no use of<br>biofertilizer.   | 05            | 14                   | 206                | 81               | 42.30        | -                  |
| T-2: Sambha sab 1+<br>50% less chemical<br>fertilizer<br>(60:40:40:25::N:P:K:Zn<br>kg/ha) + green<br>manuring (Dhaincha)<br>and <i>Azotobacter</i> -<br>$1 \times 10^8$ cfu @250<br>ml/acre |               | 18                   | 231                | 90               | 49.0         | 15.84              |

| Technology Option     | Gross Cost (Rs/ha) | Gross Return (Rs/ha) | Net Return (Rs/ha) | B:C Ratio |
|-----------------------|--------------------|----------------------|--------------------|-----------|
| T-1: Farmers Practice | 32100              | 82062                | 49962              | 2.56      |
| T-2: Demonstration    | 33900              | 95060                | 61160              | 2.81      |

### WEED MANAGEMENT

**Problem definition:** Low yield due to heavy infestation of weed in Groundnut

**Technology Assessed or Refined (as the case may be):** Assessment of post emergence herbicide (Imazethapyr 10 % SL) for weed management in groundnut

MGKVK of Gorakhpur took up on-farm trial on chemical weed management in Groundnut. The results indicated that the use of Imazethapyr 10 % SL @ 100 gm. ai/ha as post-emergent spray gave 30.43 per cent increase in yield over hand weeding (Farmers Practice).

Table Effect of Imazethapyr 10 % on weed control and yield increase in groundnut

| Technology Option | No. of trials | Yield (qt./ha) | Increase in yield (%) | Net Return (Rs./ha) | B:C Ratio |
|-------------------|---------------|----------------|-----------------------|---------------------|-----------|
|-------------------|---------------|----------------|-----------------------|---------------------|-----------|

|   |   |       |       |       |      |
|---|---|-------|-------|-------|------|
| Farmers Practice (hand weeding)   | 5 | 11.96 | --    | 27692 | 1.80 |
| Imazethapyr 10 % SL @ 100 gm. ai/ha as post-emergent spray (Recommended Practice) |   | 15.60 | 30.43 | 42620 | 2.10 |

#### Integrated Crop Management (Rabi-2020-21)

**Problem definition:** Low yield of chilli due to flower drop.

**Technology Assessed or Refined (as the case may be):** Assessment of plant growth hormone in chilli.

MGKVK of Gorakhpur took up on-farm trial on plant growth hormone in chilli. The results indicated that the use of Napthlene Acetic Acid (NNA) @ 10 ppm during flowering, 2<sup>nd</sup> spray 20-30 days later. 23.9 per cent increase in yield overwith out spray. (Farmers Practice).

**Table: Assessment of plant growth hormone in chilli.**

| Technology Option  | No. of trials | Yield (qt./ha) | Increase in yield (%) | Net Return (Rs./ha) | B:C Ratio |
|--|---------------|----------------|-----------------------|---------------------|-----------|
| Farmers Practice (without spray)   | 5             | 178.0          | --                    | 108000              | 2.54      |
| HYV (Kashi Anmol) with NNA @10 ppm during flowering, 2 <sup>nd</sup> spray 20-30 days later (Recommended Practice) |               | 234.0          | 23.9                  | 154000              | 2.92      |

#### Integrated Crop Management (Rabi-2021-22)

**Problem definition:** Low yield of chilli due to flower drop.

**Technology Assessed or Refined (as the case may be):** Assessment of plant growth hormone in chilli.

MGKVK of Gorakhpur took up on-farm trial on plant growth hormone in chilli. The results awaited.

**Table: Assessment of plant growth hormone in chilli.**

| Technology Option  | No. of trials | Yield (qt./ha) | Increase in yield (%) | Net Return (Rs./ha) | B:C Ratio |
|--|---------------|----------------|-----------------------|---------------------|-----------|
| Farmers Practice (without spray)   | 5             | Plant stand    |                       |                     |           |
| HYV (Kashi Anmol) with NNA @10 ppm during flowering, 2 <sup>nd</sup> spray 20-30 days later (Recommended Practice) |               | Plant stand    |                       |                     |           |

#### Varietal (Rabi-2020-21)

**Problem definition:** Assessment of HYV of vegetable pea variety Kashi Nandini

**Technology Assessed or Refined (as the case may be):** Assessment of HYV variety Kashi Nandini.

MGKVK of Gorakhpur took up on-farm trial on HYV kashi Nandini inVegetable pea. The results indicated that the use of HYV Kashi Nandini 22.0 per cent increase in yield overwith old variety. (Farmers Practice).

**Table: Assessment of HYV variety Kashi Nandini.**

| Technology Option   | No. of trials | Yield (qt./ha) | Increase in yield (%) | Net Return (Rs./ha) | B:C Ratio |
|---|---------------|----------------|-----------------------|---------------------|-----------|
| Farmers Practice (without spray)                                | 5             | 174.0          | --                    | 48800               | 2.22      |
| Assessment of HYV variety Kashi Nandini. (Recommended Practice) |               | 95.0           | 22.0                  | 69000               | 2.53      |



### Varietal (Rabi-2021-22)

**Problem definition: Assessment of HYV of vegetable pea variety Kashi Mukti**

**Technology Assessed or Refined (as the case may be):** Assessment of HYV variety Kashi Mukti.

MGKVK of Gorakhpur took up on-farm trial on HYV kashi Mukti in Vegetable pea. The results awaited.

**Table: Assessment of HYV variety Kashi Mukti.**

| Technology Option   | No. of trials | Yield (qt./ha)     | Increase in yield (%) | Net Return (Rs./ha) | B:C Ratio |
|---|---------------|--------------------|-----------------------|---------------------|-----------|
| Farmers Practice (without spray)                              | 5             | Crop podding stage |                       |                     |           |
| Assessment of HYV variety Kashi Mukti. (Recommended Practice) |               | Crop podding stage |                       |                     |           |

### LIVE STOCK ENTERPRISES

**Problem definition:** Low milk and income due to conventional ration feeding

**Technology Assessed or Refined (as the case may be):** Assessment of bye pass protein feed on milk production in dairy buffalo

Low milk production in buffaloes due to no use of balance ration found during survey. MGKVK conducted OFT to find out suitable measure for enhance milk production in buffaloes. The technology recommended was fine tune by introducing Bye-Pass animal feed to enhance yield.

**Table Effect of Bye-Pass animal feed to enhance milk yield**

| Technology option                            | No of Trial | Average Milk Yield (ltr) | Increase milk yield % | Gross Cost | Gross Return | Net Return (Rs./ltr.) | BC Ratio |
|--|-------------|--------------------------|-----------------------|------------|--------------|-----------------------|----------|
| Use of choker and cakes (Farmers Practice)   | 5           | 5.65                     | -9.67                 | 157        | 226          | 69                    | 1.44     |
| Use of Bye-Pass animal feed @ 4kg/day/animal | 5           | 7.87                     | 22                    | 145        | 393          | 236                   | 2.71     |

## II. FRONTLINE DEMONSTRATION

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2021-22 and recommended for large scale adoption in the district

| S. No | Crop/ Enterprise | Thematic Area* | Technology demonstrated  | Details of popularization methods suggested to the Extension system             | Horizontal spread of technology |                |            |
|-------|------------------|----------------|--|---|---------------------------------|----------------|------------|
|       |                  |                |  |   | No. of villages                 | No. of farmers | Area in ha |
| 1.    | Mustard          | INM            | Sambha sab 1+ 50% less chemical fertilizer (60:40:40:25::N:P:K:Zn kg/ha) + green manuring (Dhaincha) and Azotobacter- 1x10 <sup>8</sup> cfu @250 ml/acre | Demonstration, Trainings, Field Day, Literature Distributed , Advisory Services | 4                               | 14             | 2          |

|    |            |               |   |   |   |    |     |
|----|------------|---------------|---|---|---|----|-----|
| 2. | Chickpea   | INM           | Chickpea var. RVG 202 +Balance dose of fertilizer (12:40:30:3 0:10::N:P:K:S:B) Kg/ha  | Demonstration, Trainings, Field Day, Literature Distributed , Advisory Services | 3 | 10 | 2.5 |
| 3. | Barseem    | Feed & Fodder | HYV of Barseem (BB2)  | Demonstration, Training, Field Visit, Advisory Services and Field Day           | 5 | 32 | 4   |
| 4. | Green Gram | ICM           | Seed (Virat) + seed treatment with Carbendazim @ 2 g/kg seed+ Line sowing+ Emamectin benzoate 5%SG @ 0.4g/liter water at 50% flowering and 50% pod filling stage.   | Demonstration, Trainings, Field Day, Literature Distributed , Advisory Services | 4 | 25 | 10  |
| 5. | Chickpea   | ICM           | Seed (RVG 202) + seed treatment with Carbendazim @ 2 g/kg seed+ Line sowing+ Emamectin benzoate 5%SG @ 0.4g/liter water at 50% flowering and 50% pod filling stage. | Demonstration, Trainings, Field Day, Literature Distributed , Advisory Services | 5 | 25 | 10  |
| 6. | Lentil     | ICM           | ICM (Seed + seed treatment with Carbendazim @ 2 g/kg seed+ Line sowing+ Emamectin benzoate 5%SG @ 0.4g/liter water at 50% flowering and 50% pod filling stage.)     | Demonstration, Trainings, Field Day, Literature Distributed , Advisory Services | 3 | 12 | 5   |
| 7. | Mustard    | ICM           | Seed (RH 749)+ seed treatment+imidachlorprid 17.8%SL  | Demonstration, Trainings, Field Day, Literature Distributed , Advisory Services | 5 | 25 | 10  |
| 8. | Barley     | Varietal      | Seed (RD 2907)  | Demonstration, Trainings, Field Day, Literature Distributed , Advisory Services | 2 | 10 | 4   |
| 9. | Marigold   | Varietal      | Seedling (Pusa Narangi)   | Demonstration, Trainings, Field Day, Literature Distributed , Advisory Services | 8 | 10 | 0.5 |

\* Thematic areas as given in Table 3.1 (A1 and A2)

b. Details of FLDs implemented during **2021** (Information is to be furnished in the following **three tables** for each category i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.**)

| Sl. No. | Crop     | Thematic area           | Technology Demonstrated   | Season and year | Area (ha) |        | No. of farmers/ demonstration |        |       | Reasons for shortfall in achievement |
|---------|----------|-------------------------|---|-----------------|-----------|--------|-------------------------------|--------|-------|--------------------------------------|
|         |          |                         |   |                 | Proposed  | Actual | SC/ST                         | Others | Total |                                      |
| 1.      | Mustard  | INM                     | Sambhasab 1+ 50% less chemical fertilizer (60:40:40:25::N:P:K:Zn kg/ha) + green manuring (Dhaincha) and Azotobacter-1x10 <sup>8</sup> cfu @250 ml/acre    | Rabi 2020       | 2         | 2      | 0                             | 14     | 14    |                                      |
| 2.      | Chickpea | INM                     | Chickpea var. RVG 202 +Balance dose of fertilizer (12:40:30:30:10::N:P:K:S:B) Kg/ha   | Rabi 2020       | 2.5       | 2.5    | 0                             | 10     | 10    |                                      |
| 3.      | Mustard  | ICM                     | Seed (PM-31)+ Seed Treatment (2gm/kg seed)+Pendimethalin @ 3.3lt/ha +Vermicompost (100kg)+ sulphur (8kg)+imidachlorprid 17.8%SL+Metalaxyl 8%+mancozeb 64% | Rabi 2021       | 10        | 10     | 0                             | 25     | 25    |                                      |
| 4.      | Paddy    | Varietal                | Seed (Sambhasub1)   | Kharif 2021     | 10        | 10     | 5                             | 20     | 25    |                                      |
| 5.      | Paddy    | Varietal                | Seed (DRR 50)   | Kharif 2021     | -         | 50     | 80                            | 220    | 300   |                                      |
| 6.      | Paddy    | Varietal (Scented Rice) | Seed (Pusa Sungandha-5)   | Kharif 2021     | -         | 2.4    | 4                             | 12     | 16    |                                      |
| 7.      | Paddy    | Varietal (Coarse Rice)  | Seed (Pusa 1850)  | Kharif 2021     | -         | 0.64   | 0                             | 4      | 4     |                                      |



## Technical Feedback on the demonstrated technologies

| S. No           | Feed Back  |
|-----------------|--|
| <b>Mustard</b>  |  |
| 1               | Use of less dose of fertilizer with green manuring found efficient in higher sustainable production of crop              |
| 2               | Application of sulphur is found useful to increase the yield and quality of produce                                      |
| <b>Chickpea</b> |  |
| 1.              | There is need to develop a method to know the effectiveness and activeness of microbes in bio agents at local level too. |
| 2.              | No use of INM approach and micro nutrient are major constraints for production of chickpea                               |
| <b>Sorghum</b>  |  |
| 1               | Variety UPMC- 503 is highly productive and multi-cut variety   |
| 2               | Dark green leaves are found  |
| <b>Paddy</b>    |  |
| 1               | Sambha Sub1, DRR-50, Pusa Sungandha-5 and Pusa -1850 are found highly productive varieties.                              |

## Farmers' reactions on specific technologies

| S. No           | Feed Back   |
|-----------------|---|
| <b>Mustard</b>  |   |
| 1               | Farmers were happy with use of sulphur fertilizer in mustard crop and accepted this technology.                             |
| <b>Chickpea</b> |   |
| 1.              | Farmers accepted the green manuring and fertilizer dose as recommended by the scientist.                                    |
| 2.              | Attack of Blue Bull during the crop production and maturity of crop is constraint of chickpea production.                   |
| <b>Sorghum</b>  |   |
| 1.              | Farmers were happy to grow this variety, they received higher quantity of forage  |
| 2.              | Farmers' appreciated the demonstration due to more cutting of this variety (3-4 cuts)                                       |
| <b>Paddy</b>    |   |
| 1               | Farmers were happy to with use of varieties Sambha Sub1, DRR-50, Pusa Sungandha-5 and Pusa - 1850 due to higher production. |

## Extension and Training activities under FLD

| Sl.No. | Activity                             | No. of activities organised | Date | Number of participants | Remarks |
|--------|--------------------------------------|-----------------------------|------|------------------------|---------|
| 1      | Field days                           |                             |      |                        |         |
| 2      | Farmers Training                     |                             |      |                        |         |
| 3      | Media coverage                       |                             |      |                        |         |
| 4      | Training for extension functionaries |                             |      |                        |         |



|         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Soybean |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|         |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

### Frontline demonstration on pulse crops

| Crop      | Thematic Area | technology demonstrated   | Variety | No. of Farmers | Area (ha) | Yield (q/ha) |       |         |       | % Increase in yield | Economics of demonstration (Rs./ha) |              |            |           | Economics of check (Rs./ha) |              |            |           |
|-----------|---------------|---|---------|----------------|-----------|--------------|-------|---------|-------|---------------------|-------------------------------------|--------------|------------|-----------|-----------------------------|--------------|------------|-----------|
|           |               |   |         |                |           | Demo         |       |         | Check |                     | Gross Cost                          | Gross Return | Net Return | BCR (R/C) | Gross Cost                  | Gross Return | Net Return | BCR (R/C) |
|           |               |   |         |                |           | High         | Low   | Average |       |                     |                                     |              |            |           |                             |              |            |           |
| Pigeonpea |               |   |         |                |           |              |       |         |       |                     |                                     |              |            |           |                             |              |            |           |
| Blackgram |               |   |         |                |           |              |       |         |       |                     |                                     |              |            |           |                             |              |            |           |
| Greengram | ICM           | Seed (Virat) + seed treatment with Carbendazim @ 2 g/kg seed+ Line sowing+ Emamectin benzoate 5%SG @ 0.4g/liter water at 50% flowering and 50% pod filling stage. | Virat   | 25             | 10        | 11.2         | 8.6   | 9.8     | 8.10  | 20.98               | 20450.00                            | 41160.00     | 20710.00   | 2.01      | 19150.00                    | 34020.00     | 14870.00   | 1.78      |
| Chickpea  | INM           | Chickpea var. RVG 202 +Balance dose of fertilizer (12:40:30:3 0:10::N:P:K:S:B) Kg/ha  | RVG 202 | 10             | 2.5       | 16.10        | 13.10 | 14.74   | 11.75 | 25.45               | 23555                               | 71858        | 48303      | 3.05      | 21250                       | 57281        | 36031      | 2.69      |

|           |     |   |         |    |    |      |      |       |       |       |          |          |          |      |          |          |          |      |
|-----------|-----|---|---------|----|----|------|------|-------|-------|-------|----------|----------|----------|------|----------|----------|----------|------|
| Chickpea  | ICM | Seed (RVG 202) + seed treatment with Carbendazim @ 2 g/kg seed+ Line sowing+ Emamectin benzoate 5%SG @ 0.4g/liter water at 50% flowering and 50% pod filling stage. | RVG 202 | 25 | 10 | 16.5 | 12.8 | 15.20 | 12.30 | 23.58 | 28800.00 | 68400.00 | 39600.00 | 2.38 | 26300.00 | 55350.00 | 29050.00 | 2.10 |
| Fieldpea  |     |   |         |    |    |      |      |       |       |       |          |          |          |      |          |          |          |      |
| Lentil    | ICM | ICM (Seed + seed treatment with Carbendazim @ 2 g/kg seed+ Line sowing+ Emamectin benzoate 5%SG @ 0.4g/liter water at 50% flowering and 50% pod filling stage.)     | IPL 316 | 12 | 5  | 16.5 | 13.5 | 15.20 | 12.30 | 23.58 | 28800.00 | 68400.00 | 39600.00 | 2.38 | 26300.00 | 55350.00 | 29050.00 | 2.10 |
|           |     |   |         |    |    |      |      |       |       |       |          |          |          |      |          |          |          |      |
| Horsegram |     |   |         |    |    |      |      |       |       |       |          |          |          |      |          |          |          |      |

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

### FLD on Other crops

| Category & Crop | Thematic Area           | Name of the technology | No. of Farmers | Area (ha) | Yield (q/ha) |     |       | % Change in Yield | Other Parameters |       | Economics of demonstration (Rs./ha) |              |            |           | Economics of check (Rs./ha) |              |            |           |         |
|-----------------|-------------------------|------------------------|----------------|-----------|--------------|-----|-------|-------------------|------------------|-------|-------------------------------------|--------------|------------|-----------|-----------------------------|--------------|------------|-----------|---------|
|                 |                         |                        |                |           | Demo         |     | Check |                   | Demo             | Check | Gross Cost                          | Gross Return | Net Return | BCR (R/C) | Gross Cost                  | Gross Return | Net Return | BCR (R/C) |         |
|                 |                         |                        |                |           | High         | Low |       |                   |                  |       |                                     |              |            |           |                             |              |            |           | Average |
| <b>Cereals</b>  |                         |                        |                |           |              |     |       |                   |                  |       |                                     |              |            |           |                             |              |            |           |         |
| <b>Paddy</b>    | Varietal                | Sambha Sub 1           | 25             | 10        | 53.5         | 45  | 50.8  | 43.3              | 17.32            |       |                                     | 41580        | 91440      | 49860     | 2.20                        | 40850        | 77940      | 37090     | 1.91    |
|                 | Varietal                | DRR-50                 | 300            | 50        |              |     |       |                   |                  |       |                                     |              |            |           |                             |              |            |           |         |
|                 | Varietal (Scented Rice) | Pusa Sungandha-5       | 16             | 2.4       | 53           | 44  | 48.2  | 42.6              | 13.15            |       |                                     | 42380        | 91580      | 49200     | 2.16                        | 40500        | 74550      | 34050     | 1.84    |
|                 | Varietal (Coarse Rice)  | Pusa 1850              | 4              | 0.64      | 55           | 46  | 49.5  | 42.9              | 15.38            |       |                                     | 41250        | 89100      | 47850     | 2.16                        | 39800        | 77220      | 37420     | 1.94    |









|  |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
|--|----------|----------|----|---|-----|-----|-----|-------|-------|-------|-------|-------|------|-------|-------|-------|------|
|  |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
| <b>Watermelon</b>                      |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
| <b>Spices &amp; condiments</b>         |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
| <b>Ginger</b>                          |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
| <b>Garlic</b>                          |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
| <b>Turmeric</b>                        |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
| <b>Commercial Crops</b>                |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
| <b>Sugarcane</b>                       |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
| <b>Potato</b>                          |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
| <b>Medicinal &amp; aromatic plants</b> |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
| <b>Mentholment</b>                     |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
| <b>Kalmegh</b>                         |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
| <b>Ashwagandha</b>                     |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
| <b>Fodder Crops</b>                    |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
| <b>Sorghum (F)</b>                     | Varietal | UPMC-503 | 30 | 4 |     | 650 | 530 | 22.64 |       | 30500 | 65000 | 34500 | 2.13 | 29500 | 53000 | 23500 | 1.80 |
| <b>Cowpea (F)</b>                      |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
| <b>Maize (F)</b>                       |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
| <b>Lucern</b>                          |          |          |    |   |     |     |     |       |       |       |       |       |      |       |       |       |      |
| <b>Berseem</b>                         | Varietal | BB 2     | 32 | 4 | 900 | 650 | 754 | 650   | 17.19 | 34100 | 75400 | 41300 | 2.21 | 34100 | 65000 | 30900 | 1.9  |

|         |          |       |    |   |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------|----------|-------|----|---|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|         | Varietal | BL 43 | 30 | 2 | Crop stand |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Oat (F) |          |       |    |   |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|         |          |       |    |   |            |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

**FLD on Livestock**

| Category     | Thematic area | Name of the technology demonstrated | No. of Farmer | No. of Units (Animal/ Poultry/ Birds, etc) | Major parameters |       | % change in major parameter | Other parameter |       | Economics of demonstration (Rs.) |              |            |           | Economics of check (Rs.) |              |            |           |  |  |
|--------------|---------------|-------------------------------------|---------------|--|------------------|-------|-----------------------------|-----------------|-------|----------------------------------|--------------|------------|-----------|--------------------------|--------------|------------|-----------|--|--|
|              |               |                                     |               |  | Demo             | Check |                             | Demo            | Check | Gross Cost                       | Gross Return | Net Return | BCR (R/C) | Gross Cost               | Gross Return | Net Return | BCR (R/C) |  |  |
| Cattle       |               |                                     |               |  |                  |       |                             |                 |       |                                  |              |            |           |                          |              |            |           |  |  |
|              |               |                                     |               |  |                  |       |                             |                 |       |                                  |              |            |           |                          |              |            |           |  |  |
| Buffalo      |               |                                     |               |  |                  |       |                             |                 |       |                                  |              |            |           |                          |              |            |           |  |  |
|              |               |                                     |               |  |                  |       |                             |                 |       |                                  |              |            |           |                          |              |            |           |  |  |
| Buffalo Calf |               |                                     |               |  |                  |       |                             |                 |       |                                  |              |            |           |                          |              |            |           |  |  |
|              |               |                                     |               |  |                  |       |                             |                 |       |                                  |              |            |           |                          |              |            |           |  |  |
| Dairy        |               |                                     |               |  |                  |       |                             |                 |       |                                  |              |            |           |                          |              |            |           |  |  |
|              |               |                                     |               |  |                  |       |                             |                 |       |                                  |              |            |           |                          |              |            |           |  |  |
| Poultry      |               |                                     |               |  |                  |       |                             |                 |       |                                  |              |            |           |                          |              |            |           |  |  |
|              |               |                                     |               |  |                  |       |                             |                 |       |                                  |              |            |           |                          |              |            |           |  |  |
| Sheep & Goat |               |                                     |               |  |                  |       |                             |                 |       |                                  |              |            |           |                          |              |            |           |  |  |
|              |               |                                     |               |  |                  |       |                             |                 |       |                                  |              |            |           |                          |              |            |           |  |  |
| Vaccination  |               |                                     |               |  |                  |       |                             |                 |       |                                  |              |            |           |                          |              |            |           |  |  |
|              |               |                                     |               |  |                  |       |                             |                 |       |                                  |              |            |           |                          |              |            |           |  |  |
|              |               |                                     |               |  |                  |       |                             |                 |       |                                  |              |            |           |                          |              |            |           |  |  |

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST





**FLD on Demonstration details on crop hybrids (Details of Hybrid FLDs implemented during 2021)**

| Crop            | technology demonstrated | Hybrid Variety | No. of Farmers | Area (ha) | Yield (q/ha) |          |         |       | % Increase in yield | Economics of demonstration (Rs./ha) |              |            |           |
|-----------------|-------------------------|----------------|----------------|-----------|--------------|----------|---------|-------|---------------------|-------------------------------------|--------------|------------|-----------|
|                 |                         |                |                |           | High         | Demo Low | Average | Check |                     | Gross Cost                          | Gross Return | Net Return | BCR (R/C) |
|                 |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
| Oilseed crop    |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
|                 |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
|                 |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
| Pulse crop      |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
|                 |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
|                 |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
| Cereal crop     |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
|                 |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
|                 |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
| Vegetable crop  |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
|                 |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
|                 |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
| Fruit crop      |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
|                 |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
|                 |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
| Other (specify) |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
|                 |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |
|                 |                         |                |                |           |              |          |         |       |                     |                                     |              |            |           |

**Note : Remove the Enterprises/crops which have not been shown**



### III. Training Programme

#### Farmers' Training including sponsored training programmes (on campus)

| Thematic area                                 | No. of courses | Participants |          |            |          |          |          |             |          |            |
|---|----------------|--------------|----------|------------|----------|----------|----------|-------------|----------|------------|
|   |                | Others       |          |            | SC/ST    |          |          | Grand Total |          |            |
|   |                | Male         | Female   | Total      | Male     | Female   | Total    | Male        | Female   | Total      |
| <b>I Crop Production</b>                      |                |              |          |            |          |          |          |             |          |            |
| Weed Management                               |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Resource Conservation Technologies            |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Cropping Systems                              |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Crop Diversification                          |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Integrated Farming                            | 1              | 19           | 0        | 19         | 2        |          | 2        | 21          | 0        | 21         |
| Micro Irrigation/irrigation                   |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Seed production                               |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Nursery management                            |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Integrated Crop Management                    | 4              | 108          | 0        | 108        | 3        |          | 3        | 111         | 0        | 111        |
| Soil & water conservation                     |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Integrated nutrient management                | 1              | 21           | 0        | 21         |          |          | 0        | 21          | 0        | 21         |
| Production of organic inputs                  |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Others (pl specify)                           |                |              | 0        | 0          |          |          | 0        | 0           | 0        | 0          |
| <b>Total</b>                                  | <b>6</b>       | <b>148</b>   | <b>0</b> | <b>148</b> | <b>5</b> | <b>0</b> | <b>5</b> | <b>153</b>  | <b>0</b> | <b>153</b> |
| <b>II Horticulture</b>                        |                |              |          |            |          |          |          |             |          |            |
| <b>a) Vegetable Crops</b>                     |                |              |          |            |          |          |          |             |          |            |
| Production of low value and high volume crops |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Off-season vegetables                         |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Nursery raising                               |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Exotic vegetables                             |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Export potential vegetables                   |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Grading and standardization                   | 2              | 29           | 7        | 36         | 4        | 0        | 4        | 33          | 7        | 40         |
| Protective cultivation                        |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Others (pl specify)                           |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| <b>Total (a)</b>                              | <b>2</b>       | <b>29</b>    | <b>7</b> | <b>36</b>  | <b>4</b> | <b>0</b> | <b>4</b> | <b>33</b>   | <b>7</b> | <b>40</b>  |
| <b>b) Fruits</b>                              |                |              |          |            |          |          |          |             |          |            |
| Training and Pruning                          |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Layout and Management of Orchards             |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Cultivation of Fruit                          |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Management of young plants/orchards           |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Rejuvenation of old orchards                  |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Export potential fruits                       |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Micro irrigation systems of orchards          |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Plant propagation techniques                  |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Others (pl specify)                           |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| <b>Total (b)</b>                              | <b>0</b>       | <b>0</b>     | <b>0</b> | <b>0</b>   | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>    | <b>0</b> | <b>0</b>   |
| <b>c) Ornamental Plants</b>                   |                |              |          |            |          |          |          |             |          |            |
| Nursery Management                            |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Management of potted plants                   |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Export potential of ornamental plants         |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Propagation techniques of Ornamental Plants   |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Others (pl specify)                           | 1              | 18           | 1        | 19         | 1        | 0        | 1        | 19          | 1        | 20         |
| <b>Total (c)</b>                              | <b>1</b>       | <b>18</b>    | <b>1</b> | <b>19</b>  | <b>1</b> | <b>0</b> | <b>1</b> | <b>19</b>   | <b>1</b> | <b>20</b>  |
| <b>d) Plantation crops</b>                    |                |              |          |            |          |          |          |             |          |            |
| Production and Management technology          |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Processing and value addition                 |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| Others (pl specify)                           |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |
| <b>Total (d)</b>                              | <b>0</b>       | <b>0</b>     | <b>0</b> | <b>0</b>   | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>    | <b>0</b> | <b>0</b>   |
| <b>e) Tuber crops</b>                         |                |              |          |            |          |          |          |             |          |            |
| Production and Management technology          |                |              |          | 0          |          |          | 0        | 0           | 0        | 0          |

|  |          |           |           |           |           |           |           |           |           |           |
|--|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Processing and value addition  |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Others (pl specify)  |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| <b>Total (e)</b>   | <b>0</b> | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  |
| <b>f) Spices</b>   |          |           |           |           |           |           |           |           |           |           |
| Production and Management technology                                 |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Processing and value addition  |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Others (pl specify)  |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| <b>Total (f)</b>   | <b>0</b> | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  |
| <b>g) Medicinal and Aromatic Plants</b>                              |          |           |           |           |           |           |           |           |           |           |
| Nursery management   | 0        |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Production and management technology                                 |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Post harvest technology and value addition                           |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Others (pl specify)  |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| <b>Total (g)</b>   | <b>0</b> | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  |
| <b>GT (a-g)</b>  | <b>3</b> | <b>47</b> | <b>8</b>  | <b>55</b> | <b>5</b>  | <b>0</b>  | <b>5</b>  | <b>52</b> | <b>8</b>  | <b>60</b> |
| <b>III Soil Health and Fertility Management</b>                      |          |           |           |           |           |           |           |           |           |           |
| Soil fertility management  |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Integrated water management  |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Integrated Nutrient Management                                       | 3        | 49        | 4         | 53        | 4         | 12        | 16        | 53        | 16        | 69        |
| Production and use of organic inputs                                 |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Management of Problematic soils                                      |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Micro nutrient deficiency in crops                                   |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Nutrient Use Efficiency  | 1        | 19        |           | 19        | 7         | 2         | 9         | 26        | 2         | 28        |
| Balance use of fertilizers   |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Soil and Water Testing   |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Others (pl specify)  |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| <b>Total</b>   | <b>4</b> | <b>68</b> | <b>4</b>  | <b>72</b> | <b>11</b> | <b>14</b> | <b>25</b> | <b>79</b> | <b>18</b> | <b>97</b> |
| <b>IV Livestock Production and Management</b>                        |          |           |           |           |           |           |           |           |           |           |
| Dairy Management   |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Poultry Management   |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Piggery Management   |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Rabbit Management  |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Animal Nutrition Management  |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Disease Management   | 1        | 19        |           | 19        | 1         |           | 1         | 20        | 0         | 20        |
| Feed & fodder technology   | 2        | 57        |           | 57        | 3         |           | 3         | 60        | 0         | 60        |
| Production of quality animal products                                |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Others (pl specify)  |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| <b>Total</b>   | <b>3</b> | <b>76</b> | <b>0</b>  | <b>76</b> | <b>4</b>  | <b>0</b>  | <b>4</b>  | <b>80</b> | <b>0</b>  | <b>80</b> |
| <b>V Home Science/Women empowerment</b>                              |          |           |           |           |           |           |           |           |           |           |
| Household food security by kitchen gardening and nutrition gardening |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Design and development of low/minimum cost diet                      |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Designing and development for high nutrient efficiency diet          | 1        | 0         | 18        | 18        | 0         | 2         | 2         | 0         | 20        | 20        |
| Minimization of nutrient loss in processing                          |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Processing and cooking   |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Gender mainstreaming through SHGs                                    |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Storage loss minimization techniques                                 | 1        | 0         | 16        | 16        | 0         | 4         | 4         | 0         | 20        | 20        |
| Value addition   |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Women empowerment  |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Location specific drudgery reduction technologies                    |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Rural Crafts   | 2        | 0         | 33        | 33        | 0         | 7         | 7         | 0         | 40        | 40        |
| Women and child care   |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| Others (pl specify)  |          |           |           | 0         |           |           | 0         | 0         | 0         | 0         |
| <b>Total</b>   | <b>4</b> | <b>0</b>  | <b>67</b> | <b>67</b> | <b>0</b>  | <b>13</b> | <b>13</b> | <b>0</b>  | <b>80</b> | <b>80</b> |

|  |          |           |          |           |          |          |          |           |          |           |
|--|----------|-----------|----------|-----------|----------|----------|----------|-----------|----------|-----------|
| <b>VI Agril. Engineering</b>                             |          |           |          |           |          |          |          |           |          |           |
| Farm Machinery and its maintenance                       |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Installation and maintenance of micro irrigation systems |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Use of Plastics in farming practices                     |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Production of small tools and implements                 |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Repair and maintenance of farm machinery and implements  |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Small scale processing and value addition                |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Post Harvest Technology                                  |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Others (pl specify)                                      |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| <b>Total</b>   | <b>0</b> | <b>0</b>  | <b>0</b> | <b>0</b>  | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b> | <b>0</b>  |
| <b>VII Plant Protection</b>                              |          |           |          |           |          |          |          |           |          |           |
| Integrated Pest Management                               |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Integrated Disease Management                            |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Bio-control of pests and diseases                        |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Production of bio control agents and bio pesticides      |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Others (pl specify)                                      |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| <b>Total</b>   | <b>0</b> | <b>0</b>  | <b>0</b> | <b>0</b>  | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b> | <b>0</b>  |
| <b>VIII Fisheries</b>                                    |          |           |          |           |          |          |          |           |          |           |
| Integrated fish farming                                  |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Carp breeding and hatchery management                    | 0        |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Carp fry and fingerling rearing                          | 0        |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Composite fish culture                                   |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Hatchery management and culture of freshwater prawn      |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Breeding and culture of ornamental fishes                |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Portable plastic carp hatchery                           |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Pen culture of fish and prawn                            |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Shrimp farming   |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Edible oyster farming                                    |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Pearl culture  |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Fish processing and value addition                       |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Others (pl specify)                                      |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| <b>Total</b>   | <b>0</b> | <b>0</b>  | <b>0</b> | <b>0</b>  | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b>  | <b>0</b> | <b>0</b>  |
| <b>IX Production of Inputs at site</b>                   |          |           |          |           |          |          |          |           |          |           |
| Seed Production  |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Planting material production                             |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Bio-agents production                                    |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Bio-pesticides production                                |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Bio-fertilizer production                                |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Vermi-compost production                                 |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Organic manures production                               |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Production of fry and fingerlings                        |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Production of Bee-colonies and wax sheets                |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Small tools and implements                               |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Production of livestock feed and fodder                  |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Production of Fish feed                                  |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Mushroom Production                                      | 1        | 18        |          | 18        | 2        |          | 2        | 20        | 0        | 20        |
| Apiculture   |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Others (pl specify)                                      |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| <b>Total</b>   | <b>1</b> | <b>18</b> | <b>0</b> | <b>18</b> | <b>2</b> | <b>0</b> | <b>2</b> | <b>20</b> | <b>0</b> | <b>20</b> |
| <b>X Capacity Building and Group Dynamics</b>            |          |           |          |           |          |          |          |           |          |           |
| Leadership development                                   |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Group dynamics   |          |           |          | 0         |          |          | 0        | 0         | 0        | 0         |
| Formation and Management of SHGs                         | 1        | 12        | 0        | 12        | 8        | 0        | 8        | 20        | 0        | 20        |
| Mobilization of social capital                           | 1        | 17        | 0        | 17        | 4        | 0        | 4        | 21        | 0        | 21        |

|   |           |            |           |            |           |           |           |            |            |            |
|---|-----------|------------|-----------|------------|-----------|-----------|-----------|------------|------------|------------|
| Entrepreneurial development of farmers/youths |           |            |           | 0          |           |           | 0         | 0          | 0          | 0          |
| WTO and IPR issues                            | 1         | 21         | 0         | 21         | 0         | 0         | 0         | 21         | 0          | 21         |
| Others (pl specify)                           | 2         | 35         | 0         | 35         | 8         | 0         | 8         | 43         | 0          | 43         |
| <b>Total</b>                                  | <b>5</b>  | <b>85</b>  | <b>0</b>  | <b>85</b>  | <b>20</b> | <b>0</b>  | <b>20</b> | <b>105</b> | <b>0</b>   | <b>105</b> |
| <b>XI Agro-forestry</b>                       |           |            |           |            |           |           |           |            |            |            |
| Production technologies                       |           |            |           | 0          |           |           | 0         | 0          | 0          | 0          |
| Nursery management                            |           |            |           | 0          |           |           | 0         | 0          | 0          | 0          |
| Integrated Farming Systems                    |           |            |           | 0          |           |           | 0         | 0          | 0          | 0          |
| Others (pl specify)                           |           |            |           | 0          |           |           | 0         | 0          | 0          | 0          |
| <b>Total</b>                                  | <b>0</b>  | <b>0</b>   | <b>0</b>  | <b>0</b>   | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>   | <b>0</b>   | <b>0</b>   |
| <b>GRAND TOTAL</b>                            | <b>26</b> | <b>442</b> | <b>79</b> | <b>521</b> | <b>47</b> | <b>27</b> | <b>74</b> | <b>489</b> | <b>106</b> | <b>595</b> |

### Farmers' Training including sponsored training programmes (off campus)

| Thematic area                                 | No. of courses | Participants |           |           |           |           |           |             |           |            |
|---|----------------|--------------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|------------|
|   |                | Others       |           |           | SC/ST     |           |           | Grand Total |           |            |
|   |                | Male         | Female    | Total     | Male      | Female    | Total     | Male        | Female    | Total      |
| <b>I Crop Production</b>                      |                |              |           |           |           |           |           |             |           |            |
| Weed Management                               | 1              | 2            | 0         | 2         | 19        | 0         | 19        | 21          | 0         | 21         |
| Resource Conservation Technologies            |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Cropping Systems                              |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Crop Diversification                          |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Integrated Farming                            |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Micro Irrigation/irrigation                   |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Seed production                               |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Nursery management                            |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Integrated Crop Management                    | 1              | 21           | 0         | 21        | 0         | 0         | 0         | 21          | 0         | 21         |
| Soil & water conservatioin                    |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Integrated nutrient management                |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Production of organic inputs                  |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Others (pl specify)                           |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| <b>Total</b>                                  | <b>2</b>       | <b>23</b>    | <b>0</b>  | <b>23</b> | <b>19</b> | <b>0</b>  | <b>19</b> | <b>42</b>   | <b>0</b>  | <b>42</b>  |
| <b>II Horticulture</b>                        |                |              |           |           |           |           |           |             |           |            |
| <b>a) Vegetable Crops</b>                     |                |              |           |           |           |           |           |             |           |            |
| Production of low value and high valume crops | 2              | 43           | 6         | 49        | 10        | 1         | 11        | 53          | 7         | 60         |
| Off-season vegetables                         | 1              | 15           | 21        | 36        | 0         | 8         | 8         | 15          | 29        | 44         |
| Nursery raising                               |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Exotic vegetables                             |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Export potential vegetables                   |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Grading and standardization                   | 1              | 1            | 0         | 1         | 21        | 1         | 22        | 22          | 1         | 23         |
| Protective cultivation                        | 1              | 0            | 0         | 0         | 18        | 5         | 23        | 18          | 5         | 23         |
| Others (pl specify)                           |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| <b>Total (a)</b>                              | <b>5</b>       | <b>59</b>    | <b>27</b> | <b>86</b> | <b>49</b> | <b>15</b> | <b>64</b> | <b>108</b>  | <b>42</b> | <b>150</b> |
| <b>b) Fruits</b>                              |                |              |           |           |           |           |           |             |           |            |
| Training and Pruning                          |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Layout and Management of Orchards             |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Cultivation of Fruit                          | 2              | 35           | 5         | 40        | 4         | 4         | 8         | 39          | 9         | 48         |
| Management of young plants/orchards           |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Rejuvenation of old orchards                  |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Export potential fruits                       |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Micro irrigation systems of orchards          |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Plant propagation techniques                  |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Others (pl specify)                           |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| <b>Total (b)</b>                              | <b>2</b>       | <b>35</b>    | <b>5</b>  | <b>40</b> | <b>4</b>  | <b>4</b>  | <b>8</b>  | <b>39</b>   | <b>9</b>  | <b>48</b>  |
| <b>c) Ornamental Plants</b>                   |                |              |           |           |           |           |           |             |           |            |
| Nursery Management                            |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Management of potted plants                   |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Export potential of ornamental plants         |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |
| Propagation techniques of Ornamental Plants   |                |              |           | 0         |           |           | 0         | 0           | 0         | 0          |

|  |          |            |           |            |           |           |           |            |           |            |
|--|----------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|------------|
| Others (pl specify)  |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| <b>Total (c)</b>   | 0        | 0          | 0         | 0          | 0         | 0         | 0         | 0          | 0         | 0          |
| <b>d) Plantation crops</b>   |          |            |           |            |           |           |           |            |           |            |
| Production and Management technology                                 |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Processing and value addition  |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Others (pl specify)  |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| <b>Total (d)</b>   | 0        | 0          | 0         | 0          | 0         | 0         | 0         | 0          | 0         | 0          |
| <b>e) Tuber crops</b>  |          |            |           |            |           |           |           |            |           |            |
| Production and Management technology                                 |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Processing and value addition  |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Others (pl specify)  |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| <b>Total (e)</b>   | 0        | 0          | 0         | 0          | 0         | 0         | 0         | 0          | 0         | 0          |
| <b>f) Spices</b>   |          |            |           |            |           |           |           |            |           |            |
| Production and Management technology                                 |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Processing and value addition  |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Others (pl specify)  |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| <b>Total (f)</b>   | 0        | 0          | 0         | 0          | 0         | 0         | 0         | 0          | 0         | 0          |
| <b>g) Medicinal and Aromatic Plants</b>                              |          |            |           |            |           |           |           |            |           |            |
| Nursery management   | 0        |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Production and management technology                                 |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Post harvest technology and value addition                           |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Others (pl specify)  |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| <b>Total (g)</b>   | 0        | 0          | 0         | 0          | 0         | 0         | 0         | 0          | 0         | 0          |
| <b>GT (a-g)</b>  | <b>7</b> | <b>94</b>  | <b>32</b> | <b>126</b> | <b>53</b> | <b>19</b> | <b>72</b> | <b>147</b> | <b>51</b> | <b>198</b> |
| <b>III Soil Health and Fertility Management</b>                      |          |            |           |            |           |           |           |            |           |            |
| Soil fertility management  |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Integrated water management  |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Integrated Nutrient Management                                       | 2        | 39         | 4         | 43         | 7         | 1         | 8         | 46         | 5         | 51         |
| Production and use of organic inputs                                 | 2        | 44         | 3         | 47         | 5         | 2         | 7         | 49         | 5         | 54         |
| Management of Problematic soils                                      |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Micro nutrient deficiency in crops                                   |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Nutrient Use Efficiency  |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Balance use of fertilizers   | 1        | 20         | 2         | 22         |           |           | 0         | 20         | 2         | 22         |
| Soil and Water Testing   |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Others (pl specify)  |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| <b>Total</b>   | <b>5</b> | <b>103</b> | <b>9</b>  | <b>112</b> | <b>12</b> | <b>3</b>  | <b>15</b> | <b>115</b> | <b>12</b> | <b>127</b> |
| <b>IV Livestock Production and Management</b>                        |          |            |           |            |           |           |           |            |           |            |
| Dairy Management   | 2        | 40         |           | 40         | 2         |           | 2         | 42         | 0         | 42         |
| Poultry Management   |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Piggery Management   |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Rabbit Management  |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Animal Nutrition Management  | 1        | 16         | 4         | 20         | 4         | 8         | 12        | 20         | 12        | 32         |
| Disease Management   | 2        | 36         | 4         | 40         | 1         |           | 1         | 37         | 4         | 41         |
| Feed & fodder technology   |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Production of quality animal products                                |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Others (pl specify)  | 3        | 72         |           | 72         | 4         |           | 4         | 76         | 0         | 76         |
| <b>Total</b>   | <b>8</b> | <b>164</b> | <b>8</b>  | <b>172</b> | <b>11</b> | <b>8</b>  | <b>19</b> | <b>175</b> | <b>16</b> | <b>191</b> |
| <b>V Home Science/Women empowerment</b>                              |          |            |           |            |           |           |           |            |           |            |
| Household food security by kitchen gardening and nutrition gardening | 1        | 0          | 2         | 2          | 0         | 23        | 23        | 0          | 25        | 25         |
| Design and development of low/minimum cost diet                      |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Designing and development for high nutrient efficiency diet          |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |
| Minimization of nutrient loss in processing                          |          |            |           | 0          |           |           | 0         | 0          | 0         | 0          |

|  |          |          |            |            |          |           |           |          |            |            |
|--|----------|----------|------------|------------|----------|-----------|-----------|----------|------------|------------|
| Processing and cooking                                   |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Gender mainstreaming through SHGs                        | 1        | 0        | 23         | 23         | 0        | 6         | 6         | 0        | 29         | 29         |
| Storage loss minimization techniques                     |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Value addition   | 2        | 0        | 43         | 43         | 0        | 10        | 10        | 0        | 53         | 53         |
| Women empowerment  | 1        | 0        | 18         | 18         | 0        | 3         | 3         | 0        | 21         | 21         |
| Location specific drudgery reduction technologies        |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Rural Crafts   | 1        | 0        | 29         | 29         | 0        | 2         | 2         | 0        | 31         | 31         |
| Women and child care                                     |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Others (pl specify)                                      |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| <b>Total</b>   | <b>6</b> | <b>0</b> | <b>115</b> | <b>115</b> | <b>0</b> | <b>44</b> | <b>44</b> | <b>0</b> | <b>159</b> | <b>159</b> |
| <b>VI Agril. Engineering</b>                             |          |          |            |            |          |           |           |          |            |            |
| Farm Machinery and its maintenance                       |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Installation and maintenance of micro irrigation systems |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Use of Plastics in farming practices                     |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Production of small tools and implements                 |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Repair and maintenance of farm machinery and implements  |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Small scale processing and value addition                |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Post Harvest Technology                                  |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Others (pl specify)                                      |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| <b>Total</b>   | <b>0</b> | <b>0</b> | <b>0</b>   | <b>0</b>   | <b>0</b> | <b>0</b>  | <b>0</b>  | <b>0</b> | <b>0</b>   | <b>0</b>   |
| <b>VII Plant Protection</b>                              |          |          |            |            |          |           |           |          |            |            |
| Integrated Pest Management                               |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Integrated Disease Management                            |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Bio-control of pests and diseases                        |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Production of bio control agents and bio pesticides      |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Others (pl specify)                                      |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| <b>Total</b>   | <b>0</b> | <b>0</b> | <b>0</b>   | <b>0</b>   | <b>0</b> | <b>0</b>  | <b>0</b>  | <b>0</b> | <b>0</b>   | <b>0</b>   |
| <b>VIII Fisheries</b>                                    |          |          |            |            |          |           |           |          |            |            |
| Integrated fish farming                                  |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Carp breeding and hatchery management                    |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Carp fry and fingerling rearing                          |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Composite fish culture                                   |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Hatchery management and culture of freshwater prawn      |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Breeding and culture of ornamental fishes                |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Portable plastic carp hatchery                           |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Pen culture of fish and prawn                            |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Shrimp farming   |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Edible oyster farming                                    |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Pearl culture  |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Fish processing and value addition                       |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Others (pl specify)                                      |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| <b>Total</b>   | <b>0</b> | <b>0</b> | <b>0</b>   | <b>0</b>   | <b>0</b> | <b>0</b>  | <b>0</b>  | <b>0</b> | <b>0</b>   | <b>0</b>   |
| <b>IX Production of Inputs at site</b>                   |          |          |            |            |          |           |           |          |            |            |
| Seed Production  |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Planting material production                             |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Bio-agents production                                    |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Bio-pesticides production                                |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Bio-fertilizer production                                |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Vermi-compost production                                 |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Organic manures production                               |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Production of fry and fingerlings                        |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Production of Bee-colonies and wax sheets                |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Small tools and implements                               |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |
| Production of livestock feed and fodder                  |          |          |            | 0          |          |           | 0         | 0        | 0          | 0          |









|   |           |             |            |             |            |            |            |             |            |             |
|---|-----------|-------------|------------|-------------|------------|------------|------------|-------------|------------|-------------|
| Others (pl specify)                           | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| <b>Total</b>                                  | <b>0</b>  | <b>0</b>    | <b>0</b>   | <b>0</b>    | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>    | <b>0</b>   | <b>0</b>    |
| <b>IX Production of Inputs at site</b>        |           |             |            |             |            |            |            |             |            |             |
| Seed Production                               | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| Planting material production                  | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| Bio-agents production                         | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| Bio-pesticides production                     | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| Bio-fertilizer production                     | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| Vermi-compost production                      | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| Organic manures production                    | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| Production of fry and fingerlings             | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| Production of Bee-colonies and wax sheets     | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| Small tools and implements                    | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| Production of livestock feed and fodder       | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| Production of Fish feed                       | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| Mushroom Production                           | 1         | 18          | 0          | 18          | 2          | 0          | 2          | 20          | 0          | 20          |
| Apiculture                                    | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| Others (pl specify)                           | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| <b>Total</b>                                  | <b>1</b>  | <b>18</b>   | <b>0</b>   | <b>18</b>   | <b>2</b>   | <b>0</b>   | <b>2</b>   | <b>20</b>   | <b>0</b>   | <b>20</b>   |
| <b>X Capacity Building and Group Dynamics</b> |           |             |            |             |            |            |            |             |            |             |
| Leadership development                        | 1         | 18          | 0          | 18          | 2          | 0          | 2          | 20          | 0          | 20          |
| Group dynamics                                | 1         | 18          | 0          | 18          | 2          | 0          | 2          | 20          | 0          | 20          |
| Formation and Management of SHGs              | 3         | 47          | 0          | 47          | 18         | 1          | 19         | 65          | 1          | 66          |
| Mobilization of social capital                | 3         | 51          | 2          | 53          | 9          | 1          | 10         | 60          | 3          | 63          |
| Entrepreneurial development of farmers/youths | 1         | 19          | 2          | 21          | 5          | 4          | 9          | 24          | 6          | 30          |
| WTO and IPR issues                            | 3         | 59          | 4          | 63          | 9          | 12         | 21         | 68          | 16         | 84          |
| Others (pl specify)                           | 3         | 47          | 5          | 52          | 8          | 3          | 11         | 55          | 8          | 63          |
| <b>Total</b>                                  | <b>15</b> | <b>259</b>  | <b>13</b>  | <b>272</b>  | <b>53</b>  | <b>21</b>  | <b>74</b>  | <b>312</b>  | <b>34</b>  | <b>346</b>  |
| <b>XI Agro-forestry</b>                       |           |             |            |             |            |            |            |             |            |             |
| Production technologies                       | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| Nursery management                            | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| Integrated Farming Systems                    | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| Others (pl specify)                           | 0         | 0           | 0          | 0           | 0          | 0          | 0          | 0           | 0          | 0           |
| <b>Total</b>                                  | <b>0</b>  | <b>0</b>    | <b>0</b>   | <b>0</b>    | <b>0</b>   | <b>0</b>   | <b>0</b>   | <b>0</b>    | <b>0</b>   | <b>0</b>    |
| <b>GRAND TOTAL</b>                            | <b>64</b> | <b>1000</b> | <b>256</b> | <b>1256</b> | <b>175</b> | <b>122</b> | <b>297</b> | <b>1175</b> | <b>378</b> | <b>1553</b> |

### Training for Rural Youths including sponsored training programmes (On campus)

| Area of training  | No. of Courses | No. of Participants |        |       |       |        |       |             |        |       |
|---|----------------|---------------------|--------|-------|-------|--------|-------|-------------|--------|-------|
|   |                | General             |        |       | SC/ST |        |       | Grand Total |        |       |
|   |                | Male                | Female | Total | Male  | Female | Total | Male        | Female | Total |
| Nursery Management of Horticulture crops                | 1              | 9                   | 0      | 9     | 1     | 0      | 1     | 10          | 0      | 10    |
| Training and pruning of orchards                        | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Protected cultivation of vegetable crops                | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Commercial fruit production                             | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Integrated farming                                      | 1              | 19                  |        | 19    | 1     |        | 1     | 20          | 0      | 20    |
| Seed production   | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Production of organic inputs                            | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Planting material production                            | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Vermi-culture   | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Mushroom Production                                     | 1              | 19                  |        | 19    | 1     |        | 1     | 20          | 0      | 20    |
| Bee-keeping   | 1              | 14                  | 1      | 15    | 1     | 0      | 1     | 15          | 1      | 16    |
| Sericulture   | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Repair and maintenance of farm machinery and implements | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Value addition  | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |



|                            |  |  |  |  |  |  |  |  |  |  |
|----------------------------|--|--|--|--|--|--|--|--|--|--|
| technology                 |  |  |  |  |  |  |  |  |  |  |
| Fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |
| Any other (pl.specify)     |  |  |  |  |  |  |  |  |  |  |
| <b>TOTAL</b>               |  |  |  |  |  |  |  |  |  |  |

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

| Area of training  | No. of Courses | No. of Participants |          |           |           |          |           |             |          |           |
|---|----------------|---------------------|----------|-----------|-----------|----------|-----------|-------------|----------|-----------|
|   |                | General             |          |           | SC/ST     |          |           | Grand Total |          |           |
|   |                | Male                | Female   | Total     | Male      | Female   | Total     | Male        | Female   | Total     |
| Nursery Management of Horticulture crops                | 1              | 9                   | 0        | 9         | 1         | 0        | 1         | 10          | 0        | 10        |
| Training and pruning of orchards                        | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Protected cultivation of vegetable crops                | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Commercial fruit production                             | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Integrated farming                                      | 1              | 19                  |          | 19        | 1         |          | 1         | 20          | 0        | 20        |
| Seed production   | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Production of organic inputs                            | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Planting material production                            | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Vermi-culture   | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Mushroom Production                                     | 1              | 19                  |          | 19        | 1         |          | 1         | 20          | 0        | 20        |
| Bee-keeping   | 1              | 14                  | 1        | 15        | 1         | 0        | 1         | 15          | 1        | 16        |
| Sericulture   | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Repair and maintenance of farm machinery and implements | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Value addition  | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Small scale processing                                  | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Post Harvest Technology                                 | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Tailoring and Stitching                                 | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Rural Crafts  | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Production of quality animal products                   | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Dairying  | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Sheep and goat rearing                                  | 1              | 19                  |          | 19        | 6         |          | 6         | 25          | 0        | 25        |
| Quail farming   | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Piggery   | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Rabbit farming  | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Poultry production                                      | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Ornamental fisheries                                    | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Composite fish culture                                  | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Freshwater prawn culture                                | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Shrimp farming  | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Pearl culture   | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Cold water fisheries                                    | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Fish harvest and processing technology                  | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Fry and fingerling rearing                              | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| Any other (pl.specify)                                  | 0              |                     |          | 0         |           |          | 0         | 0           | 0        | 0         |
| <b>TOTAL</b>  | <b>5</b>       | <b>80</b>           | <b>1</b> | <b>81</b> | <b>10</b> | <b>0</b> | <b>10</b> | <b>90</b>   | <b>1</b> | <b>91</b> |

### Training programmes for Extension Personnel including sponsored training programmes (on campus)

| Area of training                        | No. of Courses | No. of Participants |        |       |       |        |       |             |        |       |
|---|----------------|---------------------|--------|-------|-------|--------|-------|-------------|--------|-------|
|   |                | General             |        |       | SC/ST |        |       | Grand Total |        |       |
|   |                | Male                | Female | Total | Male  | Female | Total | Male        | Female | Total |
| Productivity enhancement in field crops | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Integrated Pest Management              | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Integrated Nutrient management          | 1              | 27                  |        | 27    | 3     |        | 3     | 30          | 0      | 30    |

|   |          |           |           |            |           |           |           |           |            |            |
|---|----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|------------|
| Rejuvenation of old orchards                          | 0        |           |           | 0          |           |           | 0         | 0         | 0          | 0          |
| Protected cultivation technology                      | 0        |           |           | 0          |           |           | 0         | 0         | 0          | 0          |
| Production and use of organic inputs                  | 0        |           |           | 0          |           |           | 0         | 0         | 0          | 0          |
| Care and maintenance of farm machinery and implements | 0        |           |           | 0          |           |           | 0         | 0         | 0          | 0          |
| Gender mainstreaming through SHGs                     |          |           |           |            |           |           |           |           |            |            |
| Formation and Management of SHGs                      | 1        | 18        | 0         | 18         | 7         | 0         | 7         | 25        | 0          | 25         |
| Women and Child care                                  | 2        | 0         | 77        | 77         | 0         | 23        | 23        | 0         | 100        | 100        |
| Low cost and nutrient efficient diet designing        | 1        | 0         | 10        | 10         | 0         | 5         | 5         | 0         | 15         | 15         |
| Group Dynamics and farmers organization               | 0        |           |           | 0          |           |           | 0         | 0         | 0          | 0          |
| Information networking among farmers                  | 0        |           |           | 0          |           |           | 0         | 0         | 0          | 0          |
| Capacity building for ICT application                 | 0        |           |           | 0          |           |           | 0         | 0         | 0          | 0          |
| Management in farm animals                            | 1        | 13        |           | 13         | 2         |           | 2         | 15        | 0          | 15         |
| Livestock feed and fodder production                  | 0        |           |           | 0          |           |           | 0         | 0         | 0          | 0          |
| Household food security                               | 0        |           |           | 0          |           |           | 0         | 0         | 0          | 0          |
| Any other (pl.specify)                                | 0        |           |           | 0          |           |           | 0         | 0         | 0          | 0          |
| <b>TOTAL</b>  | <b>6</b> | <b>58</b> | <b>87</b> | <b>145</b> | <b>12</b> | <b>28</b> | <b>40</b> | <b>70</b> | <b>115</b> | <b>185</b> |

### Training programmes for Extension Personnel including sponsored training programmes (off campus)

| Area of training                                      | No. of Courses | No. of Participants |        |       |       |        |       |             |        |       |
|---|----------------|---------------------|--------|-------|-------|--------|-------|-------------|--------|-------|
|   |                | General             |        |       | SC/ST |        |       | Grand Total |        |       |
|   |                | Male                | Female | Total | Male  | Female | Total | Male        | Female | Total |
| Productivity enhancement in field crops               |                |                     |        |       |       |        |       |             |        |       |
| Integrated Pest Management                            |                |                     |        |       |       |        |       |             |        |       |
| Integrated Nutrient management                        |                |                     |        |       |       |        |       |             |        |       |
| Rejuvenation of old orchards                          |                |                     |        |       |       |        |       |             |        |       |
| Protected cultivation technology                      |                |                     |        |       |       |        |       |             |        |       |
| Production and use of organic inputs                  |                |                     |        |       |       |        |       |             |        |       |
| Care and maintenance of farm machinery and implements |                |                     |        |       |       |        |       |             |        |       |
| Gender mainstreaming through SHGs                     |                |                     |        |       |       |        |       |             |        |       |
| Formation and Management of SHGs                      |                |                     |        |       |       |        |       |             |        |       |
| Women and Child care                                  |                |                     |        |       |       |        |       |             |        |       |
| Low cost and nutrient efficient diet designing        |                |                     |        |       |       |        |       |             |        |       |
| Group Dynamics and farmers organization               |                |                     |        |       |       |        |       |             |        |       |
| Information networking among farmers                  |                |                     |        |       |       |        |       |             |        |       |
| Capacity building for ICT application                 |                |                     |        |       |       |        |       |             |        |       |
| Management in farm animals                            |                |                     |        |       |       |        |       |             |        |       |
| Livestock feed and fodder production                  |                |                     |        |       |       |        |       |             |        |       |
| Household food security                               |                |                     |        |       |       |        |       |             |        |       |
| Any other (pl.specify)                                |                |                     |        |       |       |        |       |             |        |       |
| <b>TOTAL</b>  |                |                     |        |       |       |        |       |             |        |       |

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

| Area of training                                      | No. of Courses | No. of Participants |        |       |       |        |       |             |        |       |
|---|----------------|---------------------|--------|-------|-------|--------|-------|-------------|--------|-------|
|   |                | General             |        |       | SC/ST |        |       | Grand Total |        |       |
|   |                | Male                | Female | Total | Male  | Female | Total | Male        | Female | Total |
| Productivity enhancement in field crops               | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Integrated Pest Management                            | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Integrated Nutrient management                        | 1              | 27                  |        | 27    | 3     |        | 3     | 30          | 0      | 30    |
| Rejuvenation of old orchards                          | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Protected cultivation technology                      | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Production and use of organic inputs                  | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Care and maintenance of farm machinery and implements | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Gender mainstreaming through SHGs                     |                |                     |        |       |       |        |       |             |        |       |
| Formation and Management of SHGs                      | 1              | 18                  | 0      | 18    | 7     | 0      | 7     | 25          | 0      | 25    |
| Women and Child care                                  | 2              | 0                   | 77     | 77    | 0     | 23     | 23    | 0           | 100    | 100   |
| Low cost and nutrient efficient diet designing        | 1              | 0                   | 10     | 10    | 0     | 5      | 5     | 0           | 15     | 15    |

|   |          |           |           |            |           |           |           |           |            |            |
|---|----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|------------|------------|
| Group Dynamics and farmers organization | 0        |           |           | 0          |           |           | 0         | 0         | 0          | 0          |
| Information networking among farmers    | 0        |           |           | 0          |           |           | 0         | 0         | 0          | 0          |
| Capacity building for ICT application   | 0        |           |           | 0          |           |           | 0         | 0         | 0          | 0          |
| Management in farm animals              | 1        | 13        |           | 13         | 2         |           | 2         | 15        | 0          | 15         |
| Livestock feed and fodder production    | 0        |           |           | 0          |           |           | 0         | 0         | 0          | 0          |
| Household food security                 | 0        |           |           | 0          |           |           | 0         | 0         | 0          | 0          |
| Any other (pl.specify)                  | 0        |           |           | 0          |           |           | 0         | 0         | 0          | 0          |
| <b>TOTAL</b>                            | <b>6</b> | <b>58</b> | <b>87</b> | <b>145</b> | <b>12</b> | <b>28</b> | <b>40</b> | <b>70</b> | <b>115</b> | <b>185</b> |

**Table. Sponsored training programmes**

| Area of training                                  | No. of Courses | No. of Participants |           |           |           |           |           |             |           |           |
|---|----------------|---------------------|-----------|-----------|-----------|-----------|-----------|-------------|-----------|-----------|
|   |                | General             |           |           | SC/ST     |           |           | Grand Total |           |           |
|   |                | Male                | Female    | Total     | Male      | Female    | Total     | Male        | Female    | Total     |
| <b>Crop production and management</b>             |                |                     |           |           |           |           |           |             |           |           |
| Increasing production and productivity of crops   | 1              | 48                  | 22        | 70        | 16        | 12        | 28        | 64          | 34        | 98        |
| Commercial production of vegetables               |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| <b>Production and value addition</b>              |                |                     |           |           |           |           |           |             |           |           |
| Fruit Plants                                      |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| Ornamental plants                                 |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| Spices crops                                      |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| Soil health and fertility management              |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| Production of Inputs at site                      |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| Methods of protective cultivation                 |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| Others (pl. specify)                              |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| <b>Total</b>                                      | <b>1</b>       | <b>48</b>           | <b>22</b> | <b>70</b> | <b>16</b> | <b>12</b> | <b>28</b> | <b>64</b>   | <b>34</b> | <b>98</b> |
| <b>Post harvest technology and value addition</b> |                |                     |           |           |           |           |           |             |           |           |
| Processing and value addition                     | 0              | 0                   | 0         | 0         | 0         | 0         | 0         | 0           | 0         | 0         |
| Others (pl. specify)                              |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| <b>Total</b>                                      | <b>0</b>       | <b>0</b>            | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>    | <b>0</b>  | <b>0</b>  |
| <b>Farm machinery</b>                             |                |                     |           |           |           |           |           |             |           |           |
| Farm machinery, tools and implements              | 0              | 0                   | 0         | 0         | 0         | 0         | 0         | 0           | 0         | 0         |
| Others (pl. specify)                              |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| <b>Total</b>                                      | <b>0</b>       | <b>0</b>            | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>    | <b>0</b>  | <b>0</b>  |
| <b>Livestock and fisheries</b>                    |                |                     |           |           |           |           |           |             |           |           |
| Livestock production and management               | 0              | 0                   | 0         | 0         | 0         | 0         | 0         | 0           | 0         | 0         |
| Animal Nutrition Management                       |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| Animal Disease Management                         |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| Fisheries Nutrition                               |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| Fisheries Management                              |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| Others (pl. specify)                              |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| <b>Total</b>                                      | <b>0</b>       | <b>0</b>            | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>    | <b>0</b>  | <b>0</b>  |
| <b>Home Science</b>                               |                |                     |           |           |           |           |           |             |           |           |
| Household nutritional security                    | 0              | 0                   | 0         | 0         | 0         | 0         | 0         | 0           | 0         | 0         |
| Economic empowerment of women                     |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| Drudgery reduction of women                       |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| Others (pl. specify)                              |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| <b>Total</b>                                      | <b>0</b>       | <b>0</b>            | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>    | <b>0</b>  | <b>0</b>  |
| <b>Agricultural Extension</b>                     |                |                     |           |           |           |           |           |             |           |           |
| Capacity Building and Group Dynamics              | 0              | 0                   | 0         | 0         | 0         | 0         | 0         | 0           | 0         | 0         |
| Others (pl. specify)                              |                |                     |           | 0         |           |           | 0         | 0           | 0         | 0         |
| <b>Total</b>                                      | <b>0</b>       | <b>0</b>            | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>  | <b>0</b>    | <b>0</b>  | <b>0</b>  |
| <b>GRAND TOTAL</b>                                | <b>1</b>       | <b>48</b>           | <b>22</b> | <b>70</b> | <b>16</b> | <b>12</b> | <b>28</b> | <b>64</b>   | <b>34</b> | <b>98</b> |

## Name of sponsoring agencies involved

## Details of vocational training programmes carried out by KVKs for rural youth

| Area of training   | No. of Courses | No. of Participants |        |       |       |        |       |             |        |       |
|--|----------------|---------------------|--------|-------|-------|--------|-------|-------------|--------|-------|
|  |                | General             |        |       | SC/ST |        |       | Grand Total |        |       |
|  |                | Male                | Female | Total | Male  | Female | Total | Male        | Female | Total |
| <b>Crop production and management</b>                          |                |                     |        |       |       |        |       |             |        |       |
| Commercial floriculture  | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Commercial fruit production                                    |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Commercial vegetable production                                |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Integrated crop management                                     |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Organic farming  |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Others (pl. specify)   |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| <b>Total</b>   | 0              | 0                   | 0      | 0     | 0     | 0      | 0     | 0           | 0      | 0     |
| <b>Post harvest technology and value addition</b>              |                |                     |        |       |       |        |       |             |        |       |
| Value addition   | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Others (pl. specify)   |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| <b>Total</b>   | 0              | 0                   | 0      | 0     | 0     | 0      | 0     | 0           | 0      | 0     |
| <b>Livestock and fisheries</b>                                 |                |                     |        |       |       |        |       |             |        |       |
| Dairy farming  | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Composite fish culture   |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Sheep and goat rearing   |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Piggery  |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Poultry farming  |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Others (pl. specify)   |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| <b>Total</b>   | 0              | 0                   | 0      | 0     | 0     | 0      | 0     | 0           | 0      | 0     |
| <b>Income generation activities</b>                            |                |                     |        |       |       |        |       |             |        |       |
| Vermicomposting  | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Production of bio-agents, bio-pesticides, bio-fertilizers etc. |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Repair and maintenance of farm machinery and implements        |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Rural Crafts   |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Seed production  |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Sericulture  |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Mushroom cultivation   | 1              | 19                  |        | 19    | 1     |        | 1     | 20          | 0      | 20    |
| Nursery, grafting etc.   |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Tailoring, stitching, embroidery, dyeing etc.                  |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Agril. para-workers, para-vet training                         |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Others (pl. specify)   |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| <b>Total</b>   | 1              | 19                  | 0      | 19    | 1     | 0      | 1     | 20          | 0      | 20    |
| <b>Agricultural Extension</b>                                  |                |                     |        |       |       |        |       |             |        |       |
| Capacity building and group dynamics                           | 0              |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| Others (pl. specify)   |                |                     |        | 0     |       |        | 0     | 0           | 0      | 0     |
| <b>Total</b>   | 0              | 0                   | 0      | 0     | 0     | 0      | 0     | 0           | 0      | 0     |
| <b>Grand Total</b>   | 1              | 19                  | 0      | 19    | 1     | 0      | 1     | 20          | 0      | 20    |

### IV. Extension Programmes

| Activities                         | No. of programmes | No. of farmers | No. of Extension Personnel | TOTAL        |
|------------------------------------|-------------------|----------------|----------------------------|--------------|
| Advisory Services                  | 350               | 5090           | 208                        | 5298         |
| Diagnostic visits                  | 8                 | 13             | 5                          | 18           |
| Field Day                          | 4                 | 113            | 0                          | 113          |
| Group discussions                  |                   |                |                            | 0            |
| Kisan Ghosthi                      | 56                | 5500           | 401                        | 5901         |
| Film Show                          | 7                 | 102            | 25                         | 127          |
| Self -help groups                  | 4                 | 67             | 11                         | 78           |
| Kisan Mela                         | 11                | 2500           | 104                        | 2604         |
| Exhibition                         |                   |                |                            | 0            |
| Scientists' visit to farmers field | 266               | 430            | 0                          | 430          |
| Plant/animal health camps          |                   |                |                            | 0            |
| Farm Science Club                  |                   |                |                            | 0            |
| Ex-trainees Sammelan               |                   |                |                            | 0            |
| Farmers' seminar/workshop          |                   |                |                            | 0            |
| Method Demonstrations              | 2                 | 26             | 7                          | 33           |
| Celebration of important days      | 7                 | 580            | 32                         | 612          |
| Special day celebration            | 12                | 750            | 39                         | 789          |
| Exposure visits                    | 12                | 23             | 4                          | 27           |
| Others (pl. specify)               | 98                | 4821           | 460                        | 5281         |
| <b>Total</b>                       | <b>837</b>        | <b>20015</b>   | <b>1296</b>                | <b>21311</b> |

#### Details of other extension programmes

| Particulars                                     | Number    |
|---|-----------|
| Electronic Media (CD./DVD)                      |           |
| Extension Literature                            |           |
| News paper coverage                             | 51        |
| Popular articles                                | 11        |
| Radio Talks                                     | 2         |
| TV Talks  |           |
| Animal health camps (Number of animals treated) |           |
| Others (pl. specify)                            |           |
| <b>Total</b>                                    | <b>64</b> |

| Name of KVK | Message Type                    | Type of Messages |           |             |            |              |                  | Total        |
|-------------|---------------------------------|------------------|-----------|-------------|------------|--------------|------------------|--------------|
|             |                                 | Crop             | Livestock | Weather     | Marketing  | Aware-ness   | Other enterprise |              |
| MGKVK       | Text only                       | 75               |           | 5           | 2          | 25           | 12               | 119          |
|             | Voice only                      | 10               |           |             |            | 4            |                  | 14           |
|             | Voice & Text both               |                  |           |             |            |              |                  |              |
|             | <b>Total Messages</b>           | <b>85</b>        |           | <b>5</b>    | <b>2</b>   | <b>16</b>    | <b>12</b>        | <b>119</b>   |
|             | <b>Total farmers Benefitted</b> | <b>20000</b>     |           | <b>1000</b> | <b>450</b> | <b>18250</b> | <b>1080</b>      | <b>40780</b> |



## V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

| Number of KVKs organised Technology Week | Types of Activities                                 | No. of Activities | Number of Participants | Related crop/livestock technology |
|--|---|-------------------|------------------------|-----------------------------------|
|  | Gosthies  | 5                 | 321                    |                                   |
|  | Lectures organised                                  |                   |                        |                                   |
|  | Exhibition  |                   |                        |                                   |
|  | Film show   |                   |                        |                                   |
|  | Fair  |                   |                        |                                   |
|  | Farm Visit  |                   |                        |                                   |
|  | Diagnostic Practicals                               |                   |                        |                                   |
|  | Distribution of Literature (No.)                    |                   |                        |                                   |
|  | Distribution of Seed (q)                            |                   |                        |                                   |
|  | Distribution of Planting materials (No.)            |                   |                        |                                   |
|  | Bio Product distribution (Kg)                       |                   |                        |                                   |
|  | Bio Fertilizers (q)                                 | 4                 | 100                    | Paddy                             |
|  | Distribution of fingerlings                         |                   |                        |                                   |
|  | Distribution of Livestock specimen (No.)            |                   |                        |                                   |
|  | Total number of farmers visited the technology week |                   |                        |                                   |

## VI. PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS

### Production of seeds by the KVKs

| Crop              | Name of the crop | Name of the variety | Name of the hybrid | Quantity of seed (q) | Value (Rs) | Number of farmers |
|-------------------|------------------|---------------------|--------------------|----------------------|------------|-------------------|
| Cereals           |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
| Oilseeds          |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
| Pulses            |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
| Commercial crops  |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
| Vegetables        |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
| Flower crops      |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
| Spices            |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
| Fodder crop seeds |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
| Fiber crops       |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
|                   |                  |                     |                    |                      |            |                   |
| Forest Species    |                  |                     |                    |                      |            |                   |

|              |  |  |  |  |  |  |
|--------------|--|--|--|--|--|--|
|              |  |  |  |  |  |  |
|              |  |  |  |  |  |  |
| Others       |  |  |  |  |  |  |
|              |  |  |  |  |  |  |
|              |  |  |  |  |  |  |
| <b>Total</b> |  |  |  |  |  |  |

### Production of planting materials by the KVKs

| Crop                   | Name of the crop | Name of the variety | Name of the hybrid | Number       | Value (Rs.)  | Number of farmers |
|------------------------|------------------|---------------------|--------------------|--------------|--------------|-------------------|
| Commercial             |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
| Vegetable seedlings    |                  |                     |                    |              |              |                   |
|                        | Tomato           | Kashi Aman          |                    | 500          | 400          | 4                 |
|                        | Cabbage          | Chekmate            |                    | 4000         | 3200         | 16                |
|                        | Cauliflower      | Sitara              |                    | 3500         | 2800         | 12                |
|                        | Onion            | ALR                 |                    | 8000         | 200          | 3                 |
| Fruits                 |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
| Ornamental plants      |                  |                     |                    |              |              |                   |
|                        | Marigold         | Pusa Naragi         |                    | 5000         | 10000        | 10                |
|                        |                  |                     |                    |              |              |                   |
| Medicinal and Aromatic |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
| Plantation             |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
| Spices                 |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
| Tuber                  |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
| Fodder crop saplings   |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
| Forest Species         |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
| Others                 |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
|                        |                  |                     |                    |              |              |                   |
| <b>Total</b>           |                  |                     |                    | <b>21000</b> | <b>16600</b> | <b>45</b>         |

### Production of Bio-Products

| Bio Products    | Name of the bio-product | Quantity | Value (Rs.) | No. of Farmers |
|-----------------|-------------------------|----------|-------------|----------------|
|                 |                         | Kg       |             |                |
| Bio Fertilisers |                         |          |             |                |
|                 |                         |          |             |                |
| Bio-pesticide   |                         |          |             |                |
|                 |                         |          |             |                |
| Bio-fungicide   |                         |          |             |                |
|                 |                         |          |             |                |
| Bio Agents      |                         |          |             |                |
|                 |                         |          |             |                |
| Others          |                         |          |             |                |
|                 |                         |          |             |                |
| <b>Total</b>    |                         |          |             |                |

**Table: Production of livestock materials**

| Particulars of Live stock | Name of the breed | Number | Value (Rs.) | No. of Farmers |
|---------------------------|-------------------|--------|-------------|----------------|
| <b>Dairy animals</b>      |                   |        |             |                |
| Cows                      |                   |        |             |                |
| Buffaloes                 |                   |        |             |                |
| Calves                    |                   |        |             |                |
| Others (Pl. specify)      |                   |        |             |                |
|                           |                   |        |             |                |
| <b>Poultry</b>            |                   |        |             |                |
| Broilers                  |                   |        |             |                |
| Layers                    |                   |        |             |                |
| Duals (broiler and layer) |                   |        |             |                |
| Japanese Quail            |                   |        |             |                |
| Turkey                    |                   |        |             |                |
| Emu                       |                   |        |             |                |
| Ducks                     |                   |        |             |                |
| Others (Pl. specify)      |                   |        |             |                |
|                           |                   |        |             |                |
| <b>Piggery</b>            |                   |        |             |                |
| Piglet                    |                   |        |             |                |
| Others (Pl. specify)      |                   |        |             |                |
| <b>Fisheries</b>          |                   |        |             |                |
| Indian carp               |                   |        |             |                |
| Exotic carp               |                   |        |             |                |
| Others (Pl. specify)      |                   |        |             |                |
|                           |                   |        |             |                |
| <b>Total</b>              |                   |        |             |                |

## VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

| Samples             | No. of Samples | No. of Farmers | No. of Villages | Amount realized (Rs.) |
|---------------------|----------------|----------------|-----------------|-----------------------|
| Soil                | 213            | 213            | 10              |                       |
| Water               |                |                |                 |                       |
| Plant               |                |                |                 |                       |
| Manure              |                |                |                 |                       |
| Others (pl.specify) |                |                |                 |                       |
| <b>Total</b>        | <b>213</b>     | <b>213</b>     | <b>10</b>       |                       |

## VIII. SCIENTIFIC ADVISORY COMMITTEE

| Name of KVK | Number of SACs conducted | Date of SAC                              |
|-------------|--------------------------|--|
| MGKVK       | 3                        | 23/03/2018,<br>13/02/2020,<br>26/03/2021 |

## IX. NEWSLETTER/MAGAZINE

| Name of News letter/Magazine | No. of Copies printed for distribution |
|------------------------------|--|
| Samachar Patrika             | 11                                     |

## X. PUBLICATIONS

| Category             | Number    |
|----------------------|-----------|
| Books                | 2         |
| Technical bulletins  | 2         |
| Research Paper       |           |
| Lead Papers          | 5         |
| Book Chapters        | 1         |
| Popular Articles     |           |
| Newsletters          | 2         |
| Technical reports    | 19        |
| Others (pl. specify) |           |
| <b>Total</b>         | <b>31</b> |

## XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM

| Activities conducted       |                       |                                 |                        |                          |
|----------------------------|-----------------------|---------------------------------|------------------------|--------------------------|
| No. of Training programmes | No. of Demonstrations | No. of plant materials produced | Visit by farmers (No.) | Visit by officials (No.) |
|                            |                       |                                 |                        |                          |
|                            |                       |                                 |                        |                          |

## XII. INTERVENTIONS ON DISASTER MANAGEMENT/UNSEASONAL RAINFALL/HAILSTORM/COLD WAVES ETC

Introduction of alternate crops/varieties

| Crops/cultivars | Area (ha) | Extent of damage | Recovery of damage through KVK initiatives if any |
|-----------------|-----------|------------------|---|
|                 |           |                  |   |
|                 |           |                  |   |
| <b>Total</b>    |           |                  |   |

Major area coverage under alternate crops/varieties

| Crops           | Area (ha) | Number of beneficiaries |
|-----------------|-----------|-------------------------|
| Oilseeds        |           |                         |
| Pulses          |           |                         |
| Cereals         |           |                         |
| Vegetable crops |           |                         |
| Tuber crops     |           |                         |
|                 |           |                         |
|                 |           |                         |
| <b>Total</b>    |           |                         |

Farmers-scientists interaction on livestock management

| Livestock components | Number of interactions | No.of participants |
|----------------------|------------------------|--------------------|
|                      |                        |                    |
|                      |                        |                    |
| <b>Total</b>         |                        |                    |

Animal health camps organised

| Number of camps | No.of animals | No.of farmers |
|-----------------|---------------|---------------|
|                 |               |               |
| <b>Total</b>    |               |               |

Seed distribution in drought hit states

| Crops        | Quantity (qtl) | Coverage of area (ha) | Number of farmers |
|--------------|----------------|-----------------------|-------------------|
|              |                |                       |                   |
|              |                |                       |                   |
| <b>Total</b> |                |                       |                   |

Large scale adoption of resource conservation technologies

| Crops/cultivars and gist of resource conservation technologies introduced | Area (ha) | Number of farmers |
|---|-----------|-------------------|
|   |           |                   |
|   |           |                   |
| <b>Total</b>  |           |                   |

## Awareness campaign

|              | Meetings |               | Gosthies |               | Field days |               | Farmers fair |               | Exhibition |               | Film show |               |
|--------------|----------|---------------|----------|---------------|------------|---------------|--------------|---------------|------------|---------------|-----------|---------------|
|              | No.      | No.of farmers | No.      | No.of farmers | No.        | No.of farmers | No.          | No.of farmers | No.        | No.of farmers | No.       | No.of farmers |
|              | 4        | 67            | 4        | 315           |            |               | 3            | 1050          |            |               | 3         | 57            |
| <b>Total</b> | <b>4</b> | <b>67</b>     | <b>4</b> | <b>315</b>    |            |               | <b>3</b>     | <b>1050</b>   |            |               | <b>3</b>  | <b>57</b>     |

### XIII. DETAILS ON HRD ACTIVITIES

#### A. HRD activities organized in identified areas for KVK staff by the Directorate of Extension

| Name of the SAU | Title of the training programmes | No of programmes | No. of Participants | No. of KVKs involved |
|-----------------|----------------------------------|------------------|---------------------|----------------------|
|                 |                                  |                  |                     |                      |
|                 |                                  |                  |                     |                      |
|                 |                                  |                  |                     |                      |
| <b>Total</b>    |                                  |                  |                     |                      |

#### B. HRD activities organized in identified areas for KVK staff by Zonal Project Directorate

| Title of the training programmes | No of programmes | No. of Participants | No. of KVKs involved |
|----------------------------------|------------------|---------------------|----------------------|
|                                  |                  |                     |                      |
| <b>Total</b>                     |                  |                     |                      |

**XIV. CASE STUDIES (CASE STUDIES MAY BE GIVEN IN DETAIL AS PER THE FOLLOWING FORMAT)**  
**Each Zone should propose a minimum of three case studies with good action photographs (with captions on the backside of the hard copy of the photos) on the following topics**

- Effective popularization on a larger scale of any one FLD technology and its role in transformation of district agriculture with respect to that particular crop or enterprise**
- Performance of the end results of any one technology assessed, its refinement if any and its impact in district agriculture with respect to that crop or enterprise**
- Effect of production and supply of seeds and planting material / animal breed / or bio-product and its impact on district agriculture with respect to that crop/ enterprise/ bio-product**

**The general format for preparing the above case studies are furnished below**

## Innovative Farmers/Success Stories/Case Study

**Name of KVK:** Mahayogi Gorakhnath Krishi Vigyan Kendra

**Name of Unit:** Beekeeping



**Introduction:** Shri Narendra Pratap Singh (41), a 12th pass farmer of Rampur Gopalpur village of Chargawan block, District Gorakhpur has 1 hectare land, in which 2 acre have irrigation facilities and remaining are under rain-fed condition.

**Plan, Implement, Support & Linkage with MKVK:** Shri Narendra Pratap Singh is cultivating different cereal & oilseed crops in 3 acre area around the year but he was unable to earn sufficient income for better survival. One day to get more information on honey bee cultivation he visited Apiary of the MGKVK at own expense. He met the scientist

of MGKVK, discussed and got three days of vocational training. On completion of the training courses, Shri Narendra Pratap Singh started honey bee cultivation with one box. Earlier he faced problem of fly out of honey bee from colony. He again visited the Apiary of the MGKVK & got solution to their problems. He has started cultivating Italian honey bee and direct selling of honey in the market.

**Output:** The input cost and income of Shri Narendra Pratap Singh by adopting Beekeeping practice are given as follow.

| Year | No. of boxes | Honey production (Kg) | Selling of Bee Boxes | Mom production (Kg) | Income (Rs) | Expense (Rs) | Net profit (Rs) |
|------|--------------|-----------------------|----------------------|---------------------|-------------|--------------|-----------------|
| 2019 | 10           | 100                   | 02                   | 05                  | 38500       | 17000        | 21500           |
| 2020 | 20           | 250                   | 06                   | 15                  | 100500      | 37000        | 63500           |

**Outcome** Shri Narendra Pratap Singh harvested more higher than 25% yield by their oilseed crops due to better pollination and also got an additional income of Rs. 63500/- as a net profit for year 2020.

**Impact** Shri Narendra Pratap Singh earned about more than one lakh rupees from start of the business by adoption of latest technological interventions given by MKVK for Beekeeping. Recently, he purchased a Honey Extraction machine from income of the Honey. Now, he also motivates several farmers to adopt the scientific method of beekeeping by visiting the KVK.

#### XIV. AGRICULTURAL TECHNOLOGY INFORMATION CENTRE

##### A. Details on ATICs

| S. No | Name of the ATIC | Name of the Host Institute | Name of the ATIC Manager |
|-------|------------------|----------------------------|--------------------------|
|       |                  |                            |                          |
|       |                  |                            |                          |
|       |                  |                            |                          |

##### B. Details on Farmer's visit

| S. No | Purpose of visit          | Number of farmer's visited |
|-------|---------------------------|----------------------------|
| 01    | Technology Information    |                            |
| 02    | Technology Products       |                            |
| 03    | Others if any pl. specify |                            |

##### C. Facilities in the ATIC which are in operation

| S. No | Particulars                    | Availability (Please $\sqrt$ mark) | Number of ATICs |
|-------|--------------------------------|------------------------------------|-----------------|
| 01    | Reception counter              |                                    |                 |
| 02    | Exhibition / technology museum |                                    |                 |
| 03    | Touch screen Kiosk             |                                    |                 |
| 04    | Cafeteria                      |                                    |                 |
| 05    | Sales counter                  |                                    |                 |
| 06    | Farmer's feedback register     |                                    |                 |
| 07    | Others if any (please specify) |                                    |                 |

##### D. Technology information provided

##### D.1. Details on technology information



| S. No | Information category                               | Number of ATICs | Total number of farmers benefited | Category of information |                 |                    |                 |                             |  |                                |
|-------|--|-----------------|-----------------------------------|-------------------------|-----------------|--------------------|-----------------|-----------------------------|--|--------------------------------|
|       |  |                 |                                   | Varieties / hybrids     | Pest management | Disease management | Agro-techniques | Soil and water conservation | Post Harvest technology and Value addition | Animal Husbandry and fisheries |
| 01    | Kisan Call Centre / other Phone calls from farmers |                 |                                   |                         |                 |                    |                 |                             |  |                                |
| 02    | Video shows  |                 |                                   |                         |                 |                    |                 |                             |  |                                |
| 03    | Letters received                                   |                 |                                   |                         |                 |                    |                 |                             |  |                                |
| 04    | Letters replied                                    |                 |                                   |                         |                 |                    |                 |                             |  |                                |
| 05    | Training to farmers / technocrats / students       |                 |                                   |                         |                 |                    |                 |                             |  |                                |
| 06    | Others pl. specify                                 |                 |                                   |                         |                 |                    |                 |                             |  |                                |

## D.2 . Publications (Print & Electronic media)

| S. No | Particulars                    | Number sold | Revenue generated in Rs. | Number of farmers benefited |
|-------|--------------------------------|-------------|--------------------------|-----------------------------|
| 01    | Books                          |             |                          |                             |
| 02    | Technical bulletins            |             |                          |                             |
| 03    | Technology Inventory           |             |                          |                             |
| 04    | CDs                            |             |                          |                             |
| 05    | DVDs                           |             |                          |                             |
| 06    | Video films                    |             |                          |                             |
| 07    | Audio CDs                      |             |                          |                             |
| 08    | Others if any (please specify) |             |                          |                             |

## E. Technology Products provided

| S. No | Particulars        | Quantity | Unit of quantity | Value in Rs. | Number of farmers benefited |
|-------|--------------------|----------|------------------|--------------|-----------------------------|
| 01    | Seeds              |          | Quintal          |              |                             |
| 02    | Planting materials |          | Numbers          |              |                             |
| 03    | Livestock          |          | Numbers          |              |                             |
| 04    | Poultry birds      |          | Numbers          |              |                             |
| 05    | Bio-products       |          | Quintals         |              |                             |
| 06    | Others pl. specify |          |                  |              |                             |

## F. Technology services provided

| S. No | Particulars                                    | Number of farmers benefited |
|-------|--|-----------------------------|
| 01    | Soil and water testing                         |                             |
| 02    | Plant diagnostics                              |                             |
| 03    | Details about the services to line Departments |                             |
| 04    | Others if any (please specify)                 |                             |

#### XV. TECHNOLOGICAL BACKSTOPPING BY DIRECTORATES OF EXTENSION

States covered:

Number of Directorates of Extension:

##### A. Details on Directors of Extension

| S. No | Name of the SAU | Name of the Director of Extension | Number of KVKs for which technological backstopping is provided |    |      |     |     |                      |
|-------|-----------------|-----------------------------------|---|----|------|-----|-----|----------------------|
|       |                 |                                   | SAU/CAU   | DU | ICAR | NGO | SDA | Others (pl. specify) |
|       |                 |                                   |   |    |      |     |     |                      |
|       |                 |                                   |   |    |      |     |     |                      |
|       |                 |                                   |   |    |      |     |     |                      |

##### B. Workshops / meetings organized

| S. No. | Details of workshop/meeting conducted | No. of KVKs participated |
|--------|---------------------------------------|--------------------------|
|        |                                       |                          |
|        |                                       |                          |

##### C. Visits made by DE / Officials in the Directorate to KVKs

| S. No. | Particulars          | Number of visits |
|--------|----------------------|------------------|
| 01     | SAC meetings         |                  |
| 02     | Field days           |                  |
| 03     | Workshops / seminars |                  |
| 04     | Technology week      |                  |
| 05     | Training programmes  |                  |
| 06     | Others pl. specify   |                  |

##### D. Overseeing of KVKs activities

| S. No. | Particulars              | Number of fields visited | Major observations / remarks | Major suggestions given |
|--------|--------------------------|--------------------------|------------------------------|-------------------------|
| 01     | On Farm Trials           |                          |                              |                         |
| 02     | Front Line Demonstration |                          |                              |                         |
| 03     | Others pl. specify       |                          |                              |                         |

##### E. Publication on Technology inventory

| S. No. | Particulars  | Number |
|--------|--|--------|
| 01     | Directorates published the technological inventory           |        |
| 02     | Directorates constantly updating the technological inventory |        |

**F. Technological Products provided to KVKs**

| <b>S. No.</b> | <b>Major technologies provided</b> | <b>Number of KVKs</b> |
|---------------|------------------------------------|-----------------------|
| 01            | Seeds                              |                       |
| 02            | Planting materials                 |                       |
| 03            | Bio-products                       |                       |
| 04            | Livestock breed                    |                       |
| 05            | Livestock products                 |                       |
| 06            | Poultry breed                      |                       |
| 07            | Poultry products                   |                       |
| 08            | Others pl. specify                 |                       |



|              |   |     |  |  |  |  |  |  |  |  |
|--------------|---|-----|--|--|--|--|--|--|--|--|
| 27           | Layer Farm Worker                                 | 200 |  |  |  |  |  |  |  |  |
| 28           | Mango Grower                                      | 200 |  |  |  |  |  |  |  |  |
| 29           | Medicinal Plants Cultivator                       | 200 |  |  |  |  |  |  |  |  |
| 30           | Micro Irrigation Technician                       | 200 |  |  |  |  |  |  |  |  |
| 31           | Mushroom Grower                                   | 200 |  |  |  |  |  |  |  |  |
| 32           | Nursery Worker                                    | 200 |  |  |  |  |  |  |  |  |
| 33           | Organic Grower                                    | 200 |  |  |  |  |  |  |  |  |
| 34           | Ornamental Fish Technician                        | 200 |  |  |  |  |  |  |  |  |
| 35           | Packhouse Worker                                  | 200 |  |  |  |  |  |  |  |  |
| 36           | Quality Seed Grower                               | 200 |  |  |  |  |  |  |  |  |
| 37           | Seed Processing Plant Technician                  | 200 |  |  |  |  |  |  |  |  |
| 38           | Sericulturist                                     | 200 |  |  |  |  |  |  |  |  |
| 39           | Service and Maintenance Technician-Farm Machinery | 205 |  |  |  |  |  |  |  |  |
| 40           | Shrimp Farmer                                     | 240 |  |  |  |  |  |  |  |  |
| 41           | Small poultry farmer                              | 240 |  |  |  |  |  |  |  |  |
| 42           | Soil & Water Testing Lab Analyst                  | 240 |  |  |  |  |  |  |  |  |
| 43           | Soil & Water Testing Lab Assistant                | 200 |  |  |  |  |  |  |  |  |
| 44           | Supply Chain Field Assistant                      | 200 |  |  |  |  |  |  |  |  |
| 45           | Tea Plantation Worker                             | 200 |  |  |  |  |  |  |  |  |
| 46           | Tractor Operator                                  | 200 |  |  |  |  |  |  |  |  |
| 47           | Vermicompost Producer                             | 200 |  |  |  |  |  |  |  |  |
| <b>TOTAL</b> |   |     |  |  |  |  |  |  |  |  |

## 2) Achievements under Crop Residue Management (CRM) Project by KVKs

## a) CRM Machinery procured by KVKs

| S.No.        | Name of the Machine/ Equipment          | No. of machines procured |
|--------------|---|--------------------------|
| 1            | Happy Seeder                            |                          |
| 2            | Reversible M.B. Plough                  |                          |
| 3            | Paddy Straw Chopper/ Shredder / Mulcher |                          |
| 4            | Zero Till Drill                         |                          |
| 5            | Rotavator                               |                          |
| 6            | Tractor                                 |                          |
| <b>Total</b> |   |                          |

## b) IEC activities organized under CRM Project by KVKs

| S. No.       | Name of IEC activity   | No. of activities | No. of Participants |
|--------------|--|-------------------|---------------------|
|              | Kisan Melas organized  |                   |                     |
| 1.           | Awareness programmes conducted at Village Panchayat/ Block/ District Level           |                   |                     |
| 2.           | Mobilization of schools and colleges through essay completion, painting, debate etc. |                   |                     |
| 3.           | Demonstration conducted (ha)   |                   |                     |
| 4.           | Training Programmes conducted  |                   |                     |
| 5.           | Exposure visits organized  |                   |                     |
| 6.           | Field /harvest days organized  |                   |                     |
| <b>Total</b> |  |                   |                     |



#### 4) Achievement of KSHAMTA (Knowledge Systems And Home Based Agricultural Management in Tribal Areas)

| Number of Adopted Villages | No. of Activities |          | No. of farmers benefited |          |
|----------------------------|-------------------|----------|--------------------------|----------|
|                            | Demo              | Training | Demo                     | Training |
|                            |                   |          |                          |          |

#### 5) Achievements of SCSP KVKs

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

#### 6) Achievement under IFS KVKs

| Sl. No. | Component Name | No. of Components established | Area (ha) | Number of Activities |          | No. of farmers benefited |          |
|---------|----------------|-------------------------------|-----------|----------------------|----------|--------------------------|----------|
|         |                |                               |           | Demo                 | Training | Demo                     | Training |
| 1       |                |                               |           |                      |          |                          |          |
| 2       |                |                               |           |                      |          |                          |          |
| 3       |                |                               |           |                      |          |                          |          |



## 7) Achievements under Mera Gaon Mera Gaurav (MGMG) project

| No. of institutes/<br>universities involved | Total No of<br>Groups/team<br>formed | No. of Scientists<br>Involved | No. of villages<br>covered | No. of field<br>activities<br>conducted | No. of messages/<br>advisory sent | Farmers<br>benefited (No.) |
|---|--------------------------------------|-------------------------------|----------------------------|---|-----------------------------------|----------------------------|
|   |                                      |                               |                            |   |                                   |                            |

## 8) Achievements of Farmers FIRST programme

| NRM Module |                     | Crop Module |                     | Horticulture Module |                     | Livestock & Poultry |                     |                  | IFS Model |                     | Extension Activities |         |
|------------|---------------------|-------------|---------------------|---------------------|---------------------|---------------------|---------------------|------------------|-----------|---------------------|----------------------|---------|
| Demon.     | No Farm<br>Families | Demon.      | No Farm<br>Families | Demon.              | No Farm<br>Families | Demon.              | No Farm<br>Families | No of<br>Animals | Demon.    | No Farm<br>Families | No. of<br>prog       | Farmers |
|            |                     |             |                     |                     |                     |                     |                     |                  |           |                     |                      |         |

## 9) Activities performed under NARI programme

Table-9.1: Details of activities performed under NARI programme

| Nutritional Garden       |                                     | Bio-fortified crops |   | Value addition    |                                     | Training programmes |   | Extension activities |   |
|--------------------------|-------------------------------------|---------------------|---|-------------------|-------------------------------------|---------------------|---|----------------------|---|
| No of<br>Establish<br>ed | No. of<br>farmers/<br>beneficiaries | No of<br>activity   | No. of<br>farmers/<br>beneficiarie<br>s | No of<br>activity | No. of<br>farmers/<br>beneficiaries | No of<br>activity   | No. of<br>farmers/<br>beneficiarie<br>s | No of<br>activity    | No. of<br>farmers/<br>beneficiarie<br>s |
|                          |                                     |                     |   |                   |                                     |                     |   |                      |   |

Table-9.2: Details of Bio-Fortified Crops used for nutritional security under NARI programme

| Category | Bio Fortified Crop | Variety | Area (ha) | No of Beneficiaries |
|----------|--------------------|---------|-----------|---------------------|
| Cereal   | Maize              |         |           |                     |
|          | Rice               |         |           |                     |
|          | Wheat              |         |           |                     |
|          |                    |         |           |                     |

|              |               |  |  |  |
|--------------|---------------|--|--|--|
| Millet       | Finger millet |  |  |  |
|              | Pearlmillet   |  |  |  |
|              | Sorghum       |  |  |  |
| Oilseed      | Groundnut     |  |  |  |
|              | Mustard       |  |  |  |
|              |               |  |  |  |
| Pulses       | Lentil        |  |  |  |
|              | Lathyras      |  |  |  |
|              |               |  |  |  |
| Vegetable    | Cauliflower   |  |  |  |
|              |               |  |  |  |
|              |               |  |  |  |
| Tuber        | Sweet Potato  |  |  |  |
|              |               |  |  |  |
|              |               |  |  |  |
| <b>Total</b> |               |  |  |  |

#### 10) Achievements of Soil, water, plant and manure samples analyzed by KVKs and soil health cards issued

| Sample       | No. of Samples in lakh | No. of Farmers in lakh | No. of Villages in lakh | Amount realized (Rs. in lakhs) | No. of Soil Health Cards issued (lakhs) |
|--------------|------------------------|------------------------|-------------------------|--------------------------------|---|
| Soil         | 0.00213                | 0.00213                | 0.00001                 |                                |   |
| Water        |                        |                        |                         |                                |   |
| Plant        |                        |                        |                         |                                |   |
| Manure       |                        |                        |                         |                                |   |
| <b>Total</b> | <b>0.00213</b>         | <b>0.00213</b>         | <b>0.00001</b>          |                                |   |

### 11) Achievements under NICRA Project

| NRM  |           | Crop production |           | Livestock & Fisheries |           |                | Capacity Building |         | Extension Activities |         |
|------|-----------|-----------------|-----------|-----------------------|-----------|----------------|-------------------|---------|----------------------|---------|
| Demo | Area (ha) | Demo            | Area (ha) | Demo                  | Area (ha) | No. of animals | No of Courses     | Farmers | No. of programmes    | Farmers |
|      |           |                 |           |                       |           |                |                   |         |                      |         |

### 12) Achievements under ARYA Project

| Name of entrepreneurial units                               | No. of entrepreneurial units established | No. of Training programs organised | No. of rural youth trained |        | No. of youth established units |        |
|---|--|------------------------------------|----------------------------|--------|--------------------------------|--------|
|   |  |                                    | Male                       | Female | Male                           | Female |
| Mushroom production   |  |                                    |                            |        |                                |        |
| Fruits and vegetable processing units, Horticulture nursery |  |                                    |                            |        |                                |        |
| Fish farming  |  |                                    |                            |        |                                |        |
| Poultry   |  |                                    |                            |        |                                |        |
| Goat farming  |  |                                    |                            |        |                                |        |
| Piggery   |  |                                    |                            |        |                                |        |
| Duck farming  |  |                                    |                            |        |                                |        |
| Bee keeping   |  |                                    |                            |        |                                |        |
| Others if any   |  |                                    |                            |        |                                |        |

### 13) Achievements under Rainwater Harvesting Structures

| Sr. No. | Activities               | Number |
|---------|--------------------------|--------|
| 1       | Training programmes      |        |
| 2       | Demonstration            |        |
| 3       | Plant materials produced |        |
| 4       | Visit by farmers         |        |
| 5       | Visit by officials       |        |

### 14) Achievements under Pulses Seed Hub programme

| Season/Crop           | Name of Pulse crop | Variety | Production |                |                       | Category of seed<br>(F/S, C/S) | Distributed to No. of farmers |
|-----------------------|--------------------|---------|------------|----------------|-----------------------|--------------------------------|-------------------------------|
|                       |                    |         | Target (q) | Area sown (ha) | Actual Production (q) |                                |                               |
| Kharif                | Black gram         |         |            |                |                       |                                |                               |
|                       |                    |         |            |                |                       |                                |                               |
|                       | Green Gram         |         |            |                |                       |                                |                               |
|                       |                    |         |            |                |                       |                                |                               |
|                       | Pigeon pea         |         |            |                |                       |                                |                               |
|                       |                    |         |            |                |                       |                                |                               |
|                       |                    |         |            |                |                       |                                |                               |
| <b>Total (Kharif)</b> |                    |         |            |                |                       |                                |                               |
| Rabi                  | Chick pea          |         |            |                |                       |                                |                               |
|                       |                    |         |            |                |                       |                                |                               |
|                       | Field pea          |         |            |                |                       |                                |                               |
|                       |                    |         |            |                |                       |                                |                               |
|                       | Lentil             |         |            |                |                       |                                |                               |
|                       |                    |         |            |                |                       |                                |                               |
| <b>Total (Rabi)</b>   |                    |         |            |                |                       |                                |                               |
| Summer                | Black gram         |         |            |                |                       |                                |                               |
|                       |                    |         |            |                |                       |                                |                               |
| <b>Total (Summer)</b> |                    |         |            |                |                       |                                |                               |
| <b>Grand Total</b>    |                    |         |            |                |                       |                                |                               |

### 15) NEMA (New Extension Methodologies and Approaches)

| Name of Crop with variety | No. of districts | No. of Villages selected | No. of Blocks | No. of household selected |                       |
|---------------------------|------------------|--------------------------|---------------|---------------------------|-----------------------|
|                           |                  |                          |               | Adapter household         | Non adapter household |
|                           |                  |                          |               |                           |                       |
|                           |                  |                          |               |                           |                       |
|                           |                  |                          |               |                           |                       |
|                           |                  |                          |               |                           |                       |
|                           |                  |                          |               |                           |                       |
|                           |                  |                          |               |                           |                       |

#### 16) Achievements under CSISA (Cereal System Initiative for South Asia) project

| S.No. | Name of Programme             | Number/quantity |
|-------|-------------------------------|-----------------|
| 1     | Plantation by paddy uppulling |                 |
| 2     | DSR                           |                 |
| 3     | Laser leveler                 |                 |
| 4     | Training                      |                 |
| 5     | Kisan Mela                    |                 |
| 6     | Seminar                       |                 |
| 7     | Seed production (q)           |                 |

#### 17) Achievements under NIFTD (National Initiatives for fodder technology demonstrations)

| Name of fodder | Variety | Production (q) | Training courses | No. of farmers benefitted |
|----------------|---------|----------------|------------------|---------------------------|
|                |         |                |                  |                           |
|                |         |                |                  |                           |
|                |         |                |                  |                           |
|                |         |                |                  |                           |

### 18) Achievements under Swachhata Abhiyan Mission

| S.No. | Items                    | No. of Programmes | No. of persons participated |
|-------|--------------------------|-------------------|-----------------------------|
| 1     | Toilet maintenance       |                   |                             |
| 2     | Road, drain cleaning     |                   |                             |
| 3     | Garbage disposal         |                   |                             |
| 4     | Door to door awareness   |                   |                             |
| 5     | Awareness campaign       |                   |                             |
| 6     | Nookkad Drama            |                   |                             |
| 7     | School Drama             |                   |                             |
| 8     | School rally             |                   |                             |
| 9     | Writing painting slogans |                   |                             |
| 10    | Composting               |                   |                             |
| 11    | Other                    |                   |                             |

### 19) Achievements under Aspirational District Scheme

| Name of programme   | Number |
|---|--------|
| <b>Training</b>   |        |
| Session No.   |        |
| No. of farmers  |        |
| Officers/staff involved                                   |        |
| <b>Seed &amp; Plant Distribution</b>                      |        |
| Programme number  |        |
| Seed distribution in q                                    |        |
| No. of plant distributed                                  |        |
| Biological products distributed                           |        |
| No. of programme organised                                |        |
| No. of farmers  |        |
| Officers/staff involved                                   |        |
| <b>Animal husbandra &amp; fish distribution programme</b> |        |
| Vaccination   |        |
| Medicine for control of parasite                          |        |
| Distribution of mineral mixure                            |        |
| No. of farmers  |        |
| Officers/staff involved                                   |        |

#### XVI Awards

| S.No. | Name of Award received      | Name of KVK/farmer  | Year of Award | Date on which award received |
|-------|-----------------------------|---------------------|---------------|------------------------------|
| 1.    | Recognition Award 2021      | Avanish Kumar Singh | 2021          |                              |
| 2.    | Outstanding Scientist Award | Avanish Kumar Singh | 2021          |                              |

*Note: Please also mention name of farmer who received the award.*

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