# PROFORMA FOR PREPARATION OF ANNUAL REPORT FOR KVK

**Period of Report:** Jan 2022 to June 2023

Important Note: All KVKs are requested to include the result of -

Spring/Zaid 2022, Kharif 2022, Rabi 2022-23 & Spring/Zaid, 2023

### **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    |                |      |        |                    |
| Rural youths            |                |      |        |                    |
| Extension functionaries |                |      |        |                    |
| Sponsored Training      |                |      |        |                    |
| Vocational Training     |                |      |        |                    |
| Total                   |                |      |        |                    |

### 2. Frontline demonstrations

| Enterprise            | No. of Farmers | Area (ha) | <b>Units/Animals</b> |
|-----------------------|----------------|-----------|----------------------|
| Oilseeds              |                |           |                      |
| Pulses                |                |           |                      |
| Cereals               |                |           |                      |
| Vegetables            |                |           |                      |
| Other crops           |                |           |                      |
| Hybrid crops          |                |           |                      |
| Total                 |                |           |                      |
| Livestock & Fisheries |                |           |                      |
| Other enterprises     |                |           |                      |
| Total                 |                |           |                      |
| Grand Total           |                |           |                      |

### 3. Technology Assessment & Refinement

| Category            | No. of Technology | No. of Trials | No. of Farmers |
|---------------------|-------------------|---------------|----------------|
|                     | Assessed          |               |                |
| Technology Assessed |                   |               |                |
| Crops               |                   |               |                |
| Livestock           |                   |               |                |
| Various enterprises |                   |               |                |
| Total               |                   |               |                |
| Technology Refined  |                   |               |                |
| Crops               |                   |               |                |
| Livestock           |                   |               |                |
| Various enterprises |                   |               |                |
| Total               |                   |               |                |
| Grand Total         |                   |               |                |

### 4. Extension Programmes

| Category                   | No. of Programmes | Total Participants |
|----------------------------|-------------------|--------------------|
| Extension activities       |                   |                    |
| Other extension activities |                   |                    |
| Total                      |                   |                    |

### 5. Mobile Advisory Services

|                |                   | Type of Messages |               |             |                |                |                     |       |
|----------------|-------------------|------------------|---------------|-------------|----------------|----------------|---------------------|-------|
| Name of<br>KVK | Message Type      | Cro<br>p         | Livestoc<br>k | Weathe<br>r | Marke-<br>ting | Aware-<br>ness | Other<br>enterprise | Total |
|                | Text only         |                  |               |             |                |                |                     |       |
|                | Voice only        |                  |               |             |                |                |                     |       |
|                | Voice & Text both |                  |               |             |                |                |                     |       |
|                | Total Messages    |                  |               |             |                |                |                     |       |
|                | Total farmers     |                  |               |             |                |                |                     |       |
|                | Benefitted        |                  |               |             |                |                |                     |       |

### 6. Seed & Planting Material Production

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

### 7. Soil, water & plant Analysis

| Samples | No. of farmers | Value Rs. |
|---------|----------------|-----------|
| Soil    |                |           |
| Water   |                |           |
| Plant   |                |           |
| Total   |                |           |

### 8. HRD and Publications

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

### **DETAIL REPORT OF APR-( Jan 2022 to June 2023)**

### 1. GENERAL INFORMATION ABOUT THE KVK

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

|         | r ,       |     |        |  |
|---------|-----------|-----|--------|--|
| Address | Telephone |     | E mail |  |
|         | Office    | FAX |        |  |

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

|         | 8 F       | ,   |        |
|---------|-----------|-----|--------|
| Address | Telephone |     | E mail |
|         | Office    | FAX |        |
|         |           |     |        |

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

| Name | Telephone / Contact    |  |  |
|------|------------------------|--|--|
|      | Residence Mobile Email |  |  |
|      |                        |  |  |

#### 1.4. Year of sanction:

### 1.5. Staff Position (as on 31st March, 2023)

| Sl.<br>No. | Sanctioned post  | Name of<br>the<br>incumbent | Design-<br>ation | Subject | Pay<br>Scale<br>(Rs.) | Present<br>basic<br>(Rs.) | Date of joining | Perman-ent<br>/Temp-<br>orary | Category<br>(SC/ST/<br>OBC/<br>Others) | Mobile<br>no. | Age | Email<br>id |
|------------|------------------|-----------------------------|------------------|---------|-----------------------|---------------------------|-----------------|-------------------------------|--|---------------|-----|-------------|
| 1          | Programme        |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
|            | Coordinator      |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
| 2          | Subject Matter   |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
|            | Specialist       |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
| 3          | Subject Matter   |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
|            | Specialist       |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
| 4          | Subject Matter   |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
|            | Specialist       |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
| 5          | Subject Matter   |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
|            | Specialist       |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
| 6          | Subject Matter   |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
|            | Specialist       |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
| 7          | Subject Matter   |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
|            | Specialist       |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
| 8          | Programme        |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
|            | Assistant        |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
| 9          | Computer         |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
|            | Programmer       |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
| 10         | Farm Manager     |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
| 11         | Accountant /     |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
|            | Superintendent   |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
| 12         | Stenographer     |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
| 13         | Driver           |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
| 14         | Driver           |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
| 15         | Supporting staff |                             |                  |         |                       |                           |                 |                               |  |               |     |             |
| 16         | Supporting staff |                             |                  |         |                       |                           |                 |                               |  |               |     | 1           |

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

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

### 1.7. Infrastructural Development:

### A) Buildings

|           |                         | Source  | Stage              |                          |                   |                  |                          |                        |
|-----------|-------------------------|---------|--------------------|--------------------------|-------------------|------------------|--------------------------|------------------------|
| S.<br>No. |                         | of      | Complete           |                          |                   | Incomplete       |                          |                        |
|           | Name of building        | funding | Completion<br>Date | Plinth<br>area<br>(Sq.m) | Expenditure (Rs.) | Starting<br>Date | Plinth<br>area<br>(Sq.m) | Status of construction |
| 1.        | Administrative          |         |                    |                          |                   |                  |                          |                        |
|           | Building                |         |                    |                          |                   |                  |                          |                        |
| 2.        | Farmers Hostel          |         |                    |                          |                   |                  |                          |                        |
| 3.        | Staff Quarters (6)      |         |                    |                          |                   |                  |                          |                        |
| 4.        | Demonstration Units (2) |         |                    |                          |                   |                  |                          |                        |
| 5         | Fencing                 |         |                    |                          |                   |                  |                          |                        |
| 6         | Rain Water harvesting   |         |                    |                          |                   |                  |                          |                        |
|           | system                  |         |                    |                          |                   |                  |                          |                        |
| 7         | Threshing floor         |         |                    |                          |                   |                  |                          |                        |
| 8         | Farm godown             |         |                    |                          |                   |                  |                          |                        |

#### B) Vehicles

| Type of vehicle | Year of purchase | Cost (Rs.) | Total kms. Run | Present status |
|-----------------|------------------|------------|----------------|----------------|
|                 |                  |            |                |                |
|                 |                  |            |                |                |
|                 |                  |            |                |                |

### C) Equipments & AV aids

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

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

| Sl.No. | Date | Name and Designation of Participants | Salient Recommendations | Action taken |
|--------|------|--------------------------------------|-------------------------|--------------|
| 1.     |      |                                      | 1                       | 1            |
|        |      |                                      | 2                       | 2            |
|        |      |                                      | 3                       | 3            |
| 2.     |      |                                      |                         |              |

Note: This yellow mark may be treated as an example

### 2. DETAILS OF DISTRICT (31st March, 2023)

2.1 Major farming systems/enterprises (based on the PRA done by the KVK)

| zii iiinjoi imiiii | ing systems, enterprises (eased on the Frair done of the Frair) |
|--------------------|---|
| S. No              | Farming system/enterprise                                       |
| 5.110              | Tarining system/enterprise                                      |
|                    |   |
|                    |   |

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

| S.<br>No | Agro-climatic Zone | Agro-ecological situations based on soil & topography | Characteristics |
|----------|--------------------|---|-----------------|
|          |                    |   |                 |

### 2.3 Soil type/s

| S. No | Soil type | Characteristics | Area in ha |
|-------|-----------|-----------------|------------|
|       |           |                 |            |

<sup>\*</sup> Attach a copy of SAC proceedings along with list of participants

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

| S. No | Crops | Area (ha) | Production (Qtl) | Productivity (Qtl /ha) |
|-------|-------|-----------|------------------|------------------------|
|       |       |           |                  |                        |
|       |       |           |                  |                        |
|       |       |           |                  |                        |
|       |       |           |                  |                        |

### 2.5. Weather data

| Month | Rainfall (mm) | Temperature <sup>0</sup> C |         | Relative Humidity (%) |
|-------|---------------|----------------------------|---------|-----------------------|
|       |               | Maximum                    | Minimum |                       |
|       |               |                            |         |                       |

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

| Category          | Population | Production | Productivity |  |  |  |  |
|-------------------|------------|------------|--------------|--|--|--|--|
| Cattle            | Cattle     |            |              |  |  |  |  |
| Crossbred         |            |            |              |  |  |  |  |
| Indigenous        |            |            |              |  |  |  |  |
| Buffalo           |            |            |              |  |  |  |  |
| Sheep             |            |            |              |  |  |  |  |
| Crossbred         |            |            |              |  |  |  |  |
| Indigenous        |            |            |              |  |  |  |  |
| Goats             |            |            |              |  |  |  |  |
| Pigs              |            |            |              |  |  |  |  |
| Crossbred         |            |            |              |  |  |  |  |
| Indigenous        |            |            |              |  |  |  |  |
| Rabbits           |            |            |              |  |  |  |  |
| Poultry           |            |            |              |  |  |  |  |
| Hens              |            |            |              |  |  |  |  |
| Desi              |            |            |              |  |  |  |  |
| Improved          |            |            |              |  |  |  |  |
| Ducks             |            |            |              |  |  |  |  |
| Turkey and others |            |            |              |  |  |  |  |

| Category | Area | Production | Productivity |  |
|----------|------|------------|--------------|--|
| Fish     |      |            |              |  |
| Marine   |      |            |              |  |
| Inland   |      |            |              |  |
| Prawn    |      |            |              |  |
| Scampi   |      |            |              |  |
| Shrimp   |      |            |              |  |

### 2.7 Details of Operational area / Villages (31st March, 2023)

| Sl.No. | Taluk | Name of the block | Name of the village | Major crops & enterprises | Major problem identified | Identified Thrust Areas |
|--------|-------|-------------------|---------------------|---------------------------|--------------------------|-------------------------|
|        |       |                   |                     |                           |                          |                         |

### 2.8 Priority/thrust areas

| Crop/Enterprise | Thrust area                     |
|-----------------|---------------------------------|
| Rice*           | Integrated Nutrient Management* |
| Rice*           | Integrated Pest Management*     |
| Sorghum*        | Soil moisture conservation*     |
|                 |                                 |

<sup>\*</sup> An example for guidance only

### 3. TECHNICAL ACHIEVEMENTS

# 3.A. Details of target and achievements of mandatory activities by KVK during Jan 2022 to June 2023

|                                    | OFT (Technolo | ogy Assessme | <mark>ent)</mark> | 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 |  |
|                                    |               |              |                   |   |             |         |             |  |
|                                    |               |              |                   |   |             |         |             |  |
|                                    |               |              |                   |   |             |         |             |  |
|                                    |               |              |                   |   |             |         |             |  |

| Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit) |         |             |   |                 | Extension Activities |                 |         |                 |
|--|---------|-------------|---|-----------------|----------------------|-----------------|---------|-----------------|
| Number of Courses Number of Participants   |         |             | Number of Number of activities participants |                 |                      |                 |         |                 |
| Clientele  | Targets | Achievement | Targets                                     | Achievemen<br>t | Targets              | Achieve<br>ment | Targets | Achieve<br>ment |
| Farmers -  |         |             |   |                 |                      |                 |         |                 |
| Rural youth  |         |             |   |                 |                      |                 |         |                 |
| Extn.<br>Functionaries   |         |             |   |                 |                      |                 |         |                 |
|  |         |             |   |                 |                      |                 |         |                 |

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

### 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            |      |                                 |               |                |
| Varietal Evaluation                       |      |                                 |               |                |
|   |      |                                 |               |                |
| Integrated Pest Management                |      |                                 |               |                |
|   |      |                                 |               |                |
| Integrated Crop Management                |      |                                 |               |                |
|   |      |                                 |               |                |
| Integrated Disease Management             |      |                                 |               |                |
|   |      |                                 |               |                |
| Small Scale Income Generation Enterprises |      |                                 |               |                |
|   |      |                                 |               |                |
| Weed Management                           |      |                                 |               |                |
|   |      |                                 |               |                |

|  |  | 8 |
|--|--|---|
| Resource Conservation Technology         |  |   |
|  |  |   |
| Farm Machineries                         |  |   |
|  |  |   |
| Integrated Farming System                |  |   |
|  |  |   |
| Seed / Plant production                  |  |   |
|  |  |   |
| Post Harvest Technology / Value addition |  |   |
|  |  |   |
| Drudgery Reduction                       |  |   |
|  |  |   |
| Storage Technique                        |  |   |
|  |  |   |
| Others (Pl. specify)                     |  |   |
|  |  |   |
| Total                                    |  |   |

Summary of technologies assessed under livestock by KVKs

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

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\*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 ASSESSMENT 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)

#### INTEGRATED CROP MANAGEMENT

**Problem definition:** Lower income from sugarcane monocrop cultivation

**Technology Assessed (as the case may be):** Intercropping of French bean in paired row planted sugarcane

KVK, Shimoga in Karnataka conducted on-farm trial to assess effect of intercropping on net return in sugarcane. The intercrop system of planting of sugarcane as paired row at 5 ft spacing and growing french bean between two pairs had realized a net return of Rs. 1.87 lakh/ha as compared to the recommended practice with net returns of Rs. 1.41 lakh/ha (32.6% increase in net return per ha).

Table Performance French bean as inter crop in sugarcane

| Technology Option   | No.of<br>trials | Major parameter<br>(duration in days) | Advantages | Yield (t/ha)                                | Net Returns<br>(Rs. in |
|---|-----------------|---------------------------------------|------------|---|------------------------|
| Planting sugarcane<br>at 3 ft row spacing<br>(Farmers Practice)                                     |                 |                                       |            | 168   | 1.56                   |
| Paired row planting<br>at 5 ft spacing<br>(Recommended<br>Practice)                                 | 10              |                                       |            | 159   | 1.41                   |
| Paired row planting<br>at 5 ft spacing +<br>growing intercrop<br>between two pairs<br>(french bean) |                 |                                       |            | 163<br>(Sugarcane)<br>0.58<br>(French bean) | 1.87                   |

#### **WEED MANAGEMENT**

Problem definition: Heavy infestation of weed in cabbage

Technology Assessed (as the case may be): Weed control measures on cabbage yield in Karnataka

KVKs of Haveri, Hassan, Mysore and Mandya of Karnataka took up on-farm trial on chemical weed management in cabbage. The results indicated that the use of Oxyflurofen @ 1 kg. a i/ha gave 43.60 per cent increase in yield over hand weeding.

Table Effect of Alachlor and Oxyflurofen on weed control and yield at cabbage

| Technology Option                                      | No.of<br>trials | Yield<br>(qt./ha) | Increase in yield (%) | Net Return<br>(Rs./ha) | B:C Ratio |
|--|-----------------|-------------------|-----------------------|------------------------|-----------|
| Three times hand weeding                               |                 | 110               |                       | 42000                  | 2.65      |
| (Farmers Practice)                                     |                 |                   |                       |                        |           |
| Alachlor @ 1.5 Kg. ai/ha as pre-emergent spray         | 18              | 150               | 36.36                 | 76800                  | 6.34      |
| (Recommended Practice)                                 | 10              |                   |                       |                        |           |
| Oxyflurofen @ 1 Kg ai/ha prior to transplanting with 1 |                 | 158               | 43.63                 | 82720                  | 7.38      |
| inter cultivation and 1 hand weeding.                  |                 |                   |                       |                        |           |

#### PEST AND DISEASE MANAGEMENT

Problem definition: Heavy infestation of leaf curl in chilli effecting in a yield loss of 20% and income loss of Rs.10000/ha

Technology Assessed (as the case may be): Leaf Curl Management in Chilli

Chilli is an important commercial crop of Northern Karnataka. However, there is high incidence of leaf curl disease resulting in yield loss. Five KVKs namely Gadag, Haveri, Dharwad, Belgaum and Bagalkot conducted on-farm trial to **assess or refine** (as the case may be) the control measure. The refined technology of seed treatment with imidacloprid @ 5g/kg seeds + dipping seedlings with imidacloprid @ 0.25ml/lit along with spray with Dicofol @ 2.5 ml/lit reduced the percentage of disease incidence from 23 to 6 and yield was increased by 38.78 per cent.

Table Effect of imidacloprid in control of leaf curl in chilli

| Technology Option   | No.of trials | Incidence of<br>leaf curl (%) | Yield<br>(kg/ha) | % Increase in yield over farmer's practice |  |  |
|---|--------------|-------------------------------|------------------|--|--|--|
| Spray of Dimethoale @ 2 ml/lit (Farmers Practice)   |              | 23                            | 620              |  |  |  |
| Spray of Dimethoale @ 1.7 ml/lit + Dicofol 2.5 ml/lit (Recommended Practice)  | 28           | 9                             | 780              | 25.80                                      |  |  |
| Seed treatment with imidacloprid @ 5g/Kg. seeds + dipping seedlings with imidacloprid @ 0.25ml/lit along with spray with Dicofol @ 2.5 ml/lit | 20           | 6                             | 860              | 38.78                                      |  |  |

#### NUTRIENT MANAGEMENT

**Problem definition:** Lower productivity and profitability in blackgram cultivation due to imbalance application of nutrients

**Technology Assessed (as the case may be):** Nutrient management in black gram

KVK, Karur in Tamil Nadu conducted on-farm trial to find out appropriate nutrient management practice to enhance the black gram productivity. The **assessed or refined (as the case may be)** practice of soaking seeds with manganese sulphate @ 8% solution for two hours was found to be better with 59.62 % increase in yield.

Table Effect of seed soaking of MnSo4in enhancing germination and yield in black gram

| Technology Option  | No.of<br>trials | Germination (%) | Plant height at flowering stage | Yield<br>(kg./ha) | Increase<br>in<br>Yield (%) | B:C<br>Ratio |
|--|-----------------|-----------------|---------------------------------|-------------------|-----------------------------|--------------|
| No seed treatment and foliar spray<br>(Farmers Practice)                         |                 | 52              | 32                              | 540               |                             | 5.64         |
| Foliar spray of DAP @ 2% and NAA @ 40ppm at 30 and 45 DAS (Recommended Practice) | 10              | 62              | 38                              | 742               | 37.40                       | 9.42         |
| Seed soaking with MnSo <sub>4</sub> @ 8% for two<br>hours + recommended practice |                 | 78              | 42                              | 862               | 59.62                       | 10.27        |

#### RESOURCE CONSERVATION

**Problem definition:** Lower productivity and profitability in tomato cultivation

Technology Assessed (as the case may be): Enhancement of tomato yield through precision-farming in Tamil Nadu

The KVKs of Dindigul, Perambalur and Dharmapuri in Tamil Nadu conducted on-farm trial on fertigation in tomato. Combined application of water and fertilizers through drip system had enhanced the tomato yield by 22% in Tamil Nadu with the water saving of 35% alongwith net profit of Rs.25460 per hectare.

Table Effect of fertigation on yield and income of tomato

| Technology Option   | No.of<br>trials | Yield<br>(t/ha) | Net Returns<br>(Rs./ha) | BC<br>Ratio |
|---|-----------------|-----------------|-------------------------|-------------|
| Irrational fertilizer and water application with out considering stages                         |                 | 15.77           | 11050                   | 1.5         |
| (Farmers Practice)  Irrigation at 7 to 10 days interval, FYM @ 25 Tons / ha, Fertilizers @ 150: | 18              | 18.36           | 15280                   | 1.7         |
| 100 : 50 NPK Kg / ha (Recommended Practice)   | 10              |                 |                         |             |
| Application of water and fertilizer through drip system at critical stages.                     |                 | 22.43           | 25460                   | 2.0         |
| Fertilizer dose was reduced to three fourth of recommended dose                                 |                 |                 |                         |             |

#### LIVE STOCK ENTERPRISES

Problem definition: High incidence of mastitis disease in dairy cows resulting in lower productivity and profitability of dairying

Technology Assessed (as the case may be): Management of mastitis in crossbreed cows in Karnataka

KVK, Gadag conducted trial to find out suitable control measure for mastitis in cross bred cows as the recommended practice could not stop recurrence of mastitis to the desired level. The technology recommended was fine tuned by including dry cow therapy fro the control of mastitis.

Table Effect of streptopenicillin in the control of mastitis

| Technology Option   | No.of<br>trials | Per cent incidence of mastitis |
|---|-----------------|--------------------------------|
| Washing of udder is washed with fresh water and application of turmeric paste after milking |                 | 70                             |
| (Farmers practice)  |                 |                                |
| Use of "SAAF" kit (Iodine 0.71 % w/v) after milking. (Recommended practice)                 | 5               | 60                             |
| Recommended practice + Dry cow therapy (Streptopenicillin administration by intra           |                 | Nil                            |
| mammary infusion at once for each teat of udder at 7-8 months of pregnancy)                 |                 |                                |

#### INTEGRATED NUTRIENT MANAGEMENT

Problem definition: Lower yield in nendran banana due to imbalance application of nutrients

Technology Assessed (as the case may be): Integrated Nutrient Management in Banana

KVK, Palakkad assess or refine (as the case may be) the technology of integrated nutrient management by the application of effect of application of Cattle Manure @ 10 kg. /plant, Azospirillum @ 60 gm/plant, urea 315 gm and Potash 500 gm/plant as balanced nutrition in Nendran variety of banana and found that the same had enhanced the yield by 19 per cent compared to farmers practice and 25 per cent saving on nitrogenous fertilizers.

Table Performance of banana to integrated nutrient management

| Technology Option   | No.of trials | Yield t./ha | B:C Ratio |
|---|--------------|-------------|-----------|
| Cowdung @ 10 kg./plant, Plant wood ash @ 5 kg./plant and green leaf manure @ 5 kg./plant        | E            | 22.00       | 1.37      |
| Cattle Manure @ 10 kg. /plant, Azospirillum @ 60 gm/plant, urea 315 gm and Potash 500 gm/plant. | 3            | 26.25       | 1.68      |

### II. FRONTLINE DEMONSTRATION

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

List of technologies demonstrated during previous year and popularized during 2022-23 and recommended for large scale adoption in the district

| Crop/<br>Enterprise | Thematic<br>Area* | Technology<br>demonstrated | Details of popularization methods suggested to the Extension system | Horizontal s   | Horizontal spread of technology   |   |  |  |  |  |  |
|---------------------|-------------------|----------------------------|---|--|---|---|--|--|--|--|--|
|                     |                   |                            |   | No. of villages  | No. of farmers  | Area<br>in ha   |  |  |  |  |  |
|                     |                   |                            |   |  |   |   |  |  |  |  |  |
|                     |                   | Enterprise Thematic        | Enterprise Thematic Technology                                      | Thematic Area*  Technology demonstrated  Technology methods suggested to the | Thematic Area*  Technology demonstrated  Technology methods suggested to the Extension system  No. of | Thematic Area*  Technology demonstrated  Technology demonstrated  popularization methods suggested to the Extension system  No. of No. of |  |  |  |  |  |

<sup>\*</sup> Thematic areas as given in Table 3.1 (A1 and A2)

b. Details of FLDs implemented during Jan 2022 to June 2023 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

| SI.<br>No. | Crop | Thematic area | Technology<br>Demonstrated | Season<br>and<br>year | Area (   | ha)    | _     | o. of farmer<br>emonstration | Reasons for shortfall in achievement |  |
|------------|------|---------------|----------------------------|-----------------------|----------|--------|-------|------------------------------|--------------------------------------|--|
|            |      |               |                            |                       | Proposed | Actual | SC/ST | Others                       | Total                                |  |
|            |      |               |                            |                       |          |        |       |                              |                                      |  |
|            |      |               |                            |                       |          |        |       |                              |                                      |  |

#### Details of farming situation

| Crop | Season | Farming<br>situation<br>RF/Irrigat<br>ed) | Soil type | Sta   | atus of | · soil | Previous | Sowing<br>date | Harvest<br>date | Seasonal<br>rainfall<br>(mm) | No. of<br>ainy days |
|------|--------|---|-----------|-------|---------|--------|----------|----------------|-----------------|------------------------------|---------------------|
|      |        |   |           | N P K |         |        |          |                | 0,              | 2                            |                     |
|      |        |   |           |       |         |        |          |                |                 |                              |                     |
|      |        |   |           |       |         |        |          |                |                 |                              |                     |

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

| S. No | Feed Back for researchers | Feedback for line department |
|-------|---------------------------|------------------------------|
| 1     |                           |                              |
| 2     |                           |                              |

Technical feedback on specific technologies demonstrated in FLDs

| S. No | Feed Back |
|-------|-----------|
| 1     |           |
| 2     |           |

Extension and Training activities under FLD

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

### **Performance of Frontline demonstrations**

### Frontline demonstrations on oilseed crops

|           | _             |                            |          | 70             |              | Parameters name (No. of branches, No.                             |      | ult of m | _        | ameter        |             | Yield (q/ha) Economics of demonstration (Rs./ha |          |         |       | Rs./ha) Economics of check (Rs./ha) |       |                 |            |              |               |                 |            |              |
|-----------|---------------|----------------------------|----------|----------------|--------------|---|------|----------|----------|---------------|-------------|---|----------|---------|-------|-------------------------------------|-------|-----------------|------------|--------------|---------------|-----------------|------------|--------------|
|           | Area          | gy<br>ited                 | _        | ner            |              | of tillers, No. of pods   |      | Demo pl  | ·•       |               | age         |   | Demo     |         |       | n yi                                |       |                 |            |              |               |                 |            |              |
| Стор      | Thematic Area | technology<br>demonstrated | Variety  | No. of Farmers | Area<br>(ha) | or grains per plant,<br>duration (days), No.<br>of plants/sq mt.) | High | Low      | Average  | Check<br>plot | % Advantage | High  | Low      | Average | Check | % Increase in yield                 | Gross | Gross<br>Return | Net Return | BCR<br>(R/C) | Gross<br>Cost | Gross<br>Return | Net Return | BCR<br>(R/C) |
| Groundnut |               |                            |          |                |              |   |      |          |          |               |             |   |          |         |       |                                     |       |                 |            |              |               |                 |            |              |
|           |               |                            |          |                |              |   |      |          |          |               |             |   |          |         |       |                                     |       |                 |            |              |               |                 |            |              |
| Sesamum   |               |                            |          |                |              |   |      |          |          |               |             |   |          |         |       |                                     |       |                 |            |              |               |                 |            |              |
|           |               |                            |          |                |              |   |      |          |          |               |             |   |          |         |       |                                     |       |                 |            |              |               |                 |            |              |
| Mustard   |               |                            |          |                |              |   |      |          |          |               |             |   |          |         |       |                                     |       |                 |            |              |               |                 |            |              |
|           |               |                            |          |                |              |   |      |          |          |               |             |   |          |         |       |                                     |       |                 |            |              |               |                 |            |              |
|           |               |                            |          |                |              |   |      |          |          |               |             |   |          |         |       |                                     |       |                 |            |              |               |                 |            |              |
| Toria     |               |                            |          |                |              |   |      |          |          |               |             |   |          |         |       |                                     |       |                 |            |              |               |                 |            |              |
|           |               |                            | •        |                |              |   |      |          |          |               |             |   |          |         |       |                                     |       |                 |            |              |               |                 |            |              |
|           |               |                            |          |                |              |   |      |          |          |               |             |   | •        |         |       |                                     |       |                 |            |              |               |                 |            |              |
| Linseed   |               |                            |          |                |              |   |      |          |          |               |             |   |          |         |       |                                     |       |                 |            |              |               |                 |            |              |
|           |               |                            |          |                |              |   |      |          |          |               |             |   |          |         |       |                                     |       |                 |            |              |               |                 |            |              |
| Sunflower |               |                            |          |                |              |   |      |          |          |               |             |   |          |         |       |                                     |       |                 |            |              |               |                 |            |              |
|           |               |                            |          |                |              |   |      |          |          |               |             |   |          |         |       |                                     |       |                 |            |              |               |                 |            |              |
|           |               |                            |          |                |              |   |      |          |          |               |             |   |          |         |       |                                     |       |                 |            |              |               |                 |            |              |
| Soybean   |               |                            |          |                |              |   |      |          |          |               |             |   |          |         |       |                                     |       |                 |            |              |               |                 |            |              |
|           |               |                            |          |                |              |   |      |          |          |               |             |   |          |         |       |                                     |       |                 |            |              |               |                 |            |              |
|           |               |                            | <u> </u> | <u> </u>       | <u> </u>     |   |      | <u> </u> | <u> </u> | İ             | <u> </u>    | <u> </u>  | <u> </u> |         |       |                                     |       |                 |            | <u> </u>     |               |                 |            |              |

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

\*\* BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

| S. No | Feed Back for researchers | Feedback for line department |  |
|-------|---------------------------|------------------------------|--|
| 1     |                           |                              |  |
| 2     |                           |                              |  |

Technical feedback on specific technologies demonstrated in FLDs

| S. No | Feed Back |
|-------|-----------|
| 1     |           |
| 2     |           |

### Frontline demonstration on pulse crops

|           | _             |                            |         |                |              | Parameters name (No. of branches, No.                             |      |        |         | ameter        |             |      | Yield | (q/ha   | )     | plo                 | Economics o | f demonst       | tration (R | s./ha)       | F     | Conomics<br>(Rs./ | of check<br>ha) |              |
|-----------|---------------|----------------------------|---------|----------------|--------------|---|------|--------|---------|---------------|-------------|------|-------|---------|-------|---------------------|-------------|-----------------|------------|--------------|-------|-------------------|-----------------|--------------|
|           | √rea          | gy<br>rted                 | _       | ners           |              | of tillers, No. of pods   | D    | emo pl | ot      |               | age         | ]    | Demo  | )       |       | n yie               |             |                 |            |              |       |                   |                 |              |
| Сгор      | Thematic Area | technology<br>demonstrated | Variety | No. of Farmers | Area<br>(ha) | or grains per plant,<br>duration (days), No.<br>of plants/sq mt.) | High | Low    | Average | Check<br>plot | % Advantage | High | Low   | Average | Check | % Increase in yield | Gross       | Gross<br>Return | Net Return | BCR<br>(R/C) | Gross | Gross<br>Return   | Net Return      | BCR<br>(R/C) |
| Pigeonpea |               |                            |         |                |              |   |      |        |         |               |             |      |       |         |       |                     |             |                 |            |              |       |                   |                 |              |
|           |               |                            |         |                |              |   |      |        |         |               |             |      |       |         |       |                     |             |                 |            |              |       |                   |                 |              |
| Blackgram |               |                            |         |                |              |   |      |        |         |               |             |      |       |         |       |                     |             |                 |            |              |       |                   |                 |              |
|           |               |                            |         |                |              |   |      |        |         |               |             |      |       |         |       |                     |             |                 |            |              |       |                   |                 |              |
|           |               |                            |         |                |              |   |      |        |         |               |             |      |       |         |       |                     |             |                 |            |              |       |                   |                 |              |
| Greengram |               |                            |         |                |              |   |      |        |         |               |             |      |       |         |       |                     |             |                 |            |              |       |                   |                 |              |
|           |               |                            |         |                |              |   |      | •      |         |               |             |      |       |         |       |                     |             |                 | •          |              |       |                   |                 |              |
| Chickpea  |               |                            |         |                |              |   |      |        |         |               |             |      |       |         |       |                     |             |                 |            |              |       |                   |                 |              |
|           |               |                            |         |                |              |   |      |        |         |               |             |      |       |         |       |                     |             |                 |            |              |       |                   |                 |              |
|           |               |                            |         |                |              |   |      |        |         |               |             |      |       |         |       |                     |             |                 |            |              |       |                   |                 |              |
| Fieldpea  |               |                            |         |                |              |   |      |        |         |               |             |      |       |         |       |                     |             |                 |            |              |       |                   |                 |              |
|           |               |                            |         |                |              |   |      |        |         |               |             |      |       |         |       |                     |             |                 |            |              |       |                   |                 |              |
| Lentil    |               |                            |         |                |              |   |      |        |         |               |             |      |       |         |       |                     |             |                 |            |              |       |                   |                 |              |
|           |               |                            |         |                |              |   |      |        |         |               |             |      |       |         |       |                     |             |                 | •          |              |       |                   |                 |              |
|           |               |                            |         |                |              |   |      |        |         |               |             |      |       |         |       |                     |             |                 |            |              |       |                   |                 |              |

| Horsegram |  |  |  |  |  |  |  |  |  |
|-----------|--|--|--|--|--|--|--|--|--|
|           |  |  |  |  |  |  |  |  |  |
|           |  |  |  |  |  |  |  |  |  |

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

\*\* BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

| S. No | Feed Back for researchers | Feedback for line department |
|-------|---------------------------|------------------------------|
| 1     |                           |                              |
| 2     |                           |                              |

Technical feedback on specific technologies demonstrated in FLDs

| 1 COMMISSION C | in openio teormologico demonetate in 1 EBC |  |
|----------------|--|--|
| S. No          | Feed Back                                  |  |
| 1              |  |  |
| 2              |  |  |

# **FLD on Other crops**

|                              | _             |                            |         |                |           | Parameters name (No. of branches, No.  |      |         |            |               |             | Ţ    | Yield | (q/ha)  | )     | ple                 | Economics o   | f demonst       | tration (R | s./ha)       | E             | conomics<br>(Rs./ |            |              |
|------------------------------|---------------|----------------------------|---------|----------------|-----------|--|------|---------|------------|---------------|-------------|------|-------|---------|-------|---------------------|---------------|-----------------|------------|--------------|---------------|-------------------|------------|--------------|
| Сгор                         | Thematic Area | technology<br>demonstrated | Variety | No. of Farmers | Area (ha) | of tillers, No. of pods<br>or grains per plant,<br>duration (days), No.<br>of plants/sq mt.) | High | Demo pl | Average to | Check<br>plot | % Advantage | High | Demo  | Average | Check | % Increase in yield | Gross<br>Cost | Gross<br>Return | Net Return | BCR<br>(R/C) | Gross<br>Cost | Gross<br>Return   | Net Return | BCR<br>(R/C) |
| Cereals                      |               |                            |         |                |           |  |      |         |            |               |             |      |       |         |       |                     |               |                 |            |              |               |                   |            |              |
| Paddy                        |               |                            |         |                |           |  |      |         |            |               |             |      |       |         |       |                     |               |                 |            |              |               |                   |            |              |
| Waterlogg<br>ed<br>Situation |               |                            |         |                |           |  |      |         |            |               |             |      |       |         |       |                     |               |                 |            |              |               |                   |            |              |
| Coarse<br>Rice               |               |                            |         |                |           |  |      |         |            |               |             |      |       |         |       |                     |               |                 |            |              |               |                   |            |              |

| Scented Globe Wheat Wheat Wheat Sarriyard Sarriyard Sarriyard Sarriyard Sarriyard  |              |          | · · · · · · · · · · · · · · · · · · · |          | ·        | T | r       | · · · · · · · · · · · · · · · · · · · | <br>······································ | <br>         |          |   | <br> | ·        | T       | <br>  | ·        | . 10          |
|--|--------------|----------|---------------------------------------|----------|----------|---|---------|---------------------------------------|--|--------------|----------|---|------|----------|---------|-------|----------|---------------|
| Wheat wheat wheat was a second of the second |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Wheat wheat wheat was a second of the second |              |          |                                       |          |          |   |         |                                       |  | <br>         |          |   |      |          |         |       |          |               |
| Wheat wheat wheat was a second of the second | Scented      |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Wheat wheat wheat was a second of the second | Rice         |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Wheat Immely Sown  |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Wheat Immely Sown  |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Wheat Immely Sown  |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Wheat Immely Sown  |              |          |                                       |          |          |   |         |                                       |  | <br>         |          |   |      |          |         |       |          | ļ             |
| Wheat Immely Sown  | Wheat        |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Wheat atte Sown  Mandua  Barley  Alize  Amaranth  Milets  Movar  Milets  Movar  Milets  Milett                |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Wheat atte Sown  Mandua  Barley  Allize  Amaranth  Milets  Movar  Milets  Milett  Mile |              |          |                                       |          |          |   |         |                                       |  | <br>         |          | - |      |          |         |       |          |               |
| Wheat atte Sown  Mandua  Barley  Allize  Amaranth  Milets  Movar  Milets  Milett  Mile |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Wheat atte Sown  Mandua  Barley  Allize  Amaranth  Milets  Movar  Milets  Milett  Mile |              |          |                                       |          |          |   |         |                                       |  |              |          |   | <br> | •        |         |       |          | •             |
| Wheat atte Sown  Mandua  Barley  Allize  Amaranth  Milets  Movar  Milets  Milett  Mile |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Wheat atte Sown  Mandua  Barley  Allize  Amaranth  Milets  Movar  Milets  Milett  Mile | Wheat        |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Wheat atte Sown  Mandua  Barley  Allize  Amaranth  Milets  Movar  Milets  Milett  Mile | Timoly       |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Wheat atte Sown  Mandua  Barley  Alize  Amaranth  Milets  Movar  Milets  Movar  Milets  Milett   Tillely      |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Wheat atte Sown  Mandua  Barley  Allize  Amaranth  Milets  Movar  Milets  Milett  Mile | sown         |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          | ļ             |
| Mandua  Barley  Anaranth   |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Mandua  Barley  Anaranth   |              |          |                                       |          |          |   |         |                                       |  | <br>         |          |   |      |          |         |       |          | ļ             |
| Mandua  Barley  Anaranth   |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          | l l           |
| Mandua  Barley  Anaranth   | \A/l4        |          |                                       |          | <b>!</b> |   |         | -                                     |  | <br>         |          | - |      | <u> </u> |         | <br>  | <u> </u> | <del>  </del> |
| Mandua  Barley  Anaranth   | vvneat       |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          | I             |
| Mandua  Barley  Anaranth   | Late Sown    |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Barley  Barley  Amaranth  Amaranth  Barley  Barley  Amaranth  Barley  Amaranth  Barley  Amaranth  Barley  Amaranth  Barley  Amaranth  Barley   |              |          |                                       | ·        |          |   |         |                                       |  |              |          |   |      | :<br>:   |         |       |          | T             |
| Barley  Barley  Amaranth  Amaranth  Barley  Barley  Amaranth  Barley  Amaranth  Barley  Amaranth  Barley  Amaranth  Barley  Amaranth  Barley   |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          | <u>.</u>      |
| Barley  Barley  Amaranth  Amaranth  Barley  Barley  Amaranth  Barley  Amaranth  Barley  Amaranth  Barley  Amaranth  Barley  Amaranth  Barley   |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Barley  Barley  Amaranth  Amaranth  Barley  Barley  Amaranth  Barley  Amaranth  Barley  Amaranth  Barley  Amaranth  Barley  Amaranth  Barley   |              |          |                                       |          |          |   |         |                                       |  | <br>         |          |   |      |          |         |       |          |               |
| Barley  Barley  Amaranth  Amaranth  Barley  Barley  Amaranth  Barley  Amaranth  Barley  Amaranth  Barley  Amaranth  Barley  Amaranth  Barley   | Mandua       |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Amaranth  Millets  Jowar  Jajra  |              |          |                                       |          |          |   |         |                                       |  | <br>         |          |   |      |          |         |       |          |               |
| Amaranth  Millets  Jowar  Jajra  |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Amaranth  Millets  Jowar  Jajra  |              |          |                                       |          |          |   |         |                                       |  | <br>         |          | - |      |          |         |       |          | <del> </del>  |
| Amaranth  Millets  Jowar  Jajra  |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Amaranth  Millets  Jowar  Jajra  | Rarlov       |          |                                       |          |          |   |         |                                       |  | <br>         |          | · |      |          |         |       |          | <b>!</b>      |
| Amaranth  Amaran | Dariey       |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Amaranth  Amaran |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          | •             |
| Amaranth  Amaran |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Amaranth  Amaran |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Amaranth  Amaran |              |          |                                       |          |          |   |         |                                       |  | <br>         |          |   |      |          |         |       |          | ļ             |
| Amaranth  Amaran | Maize        |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Millets  Sajra   |              |          |                                       |          |          |   |         |                                       |  | <br>         |          |   |      |          |         |       |          | <del> </del>  |
| Millets  Sajra   |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Millets  Sajra   |              |          |                                       |          |          |   |         |                                       |  | <br>         |          | - |      |          |         |       |          | <del> </del>  |
| Millets  Sajra   |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Millets  Sajra   | Amaranth     |          |                                       |          |          |   |         |                                       |  |              |          | · |      |          |         | <br>  |          | <del> </del>  |
| Jowar Bajra  | Ailiaiailiii |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Jowar  Sajra   |              |          |                                       |          |          |   |         |                                       |  |              |          |   | <br> |          |         |       |          |               |
| Jowar  Sajra   |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Jowar Bajra  |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Jowar  Sajra   |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Jowar Bajra  | Millets      |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Bajra  |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Bajra  | lowar        |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
|  | JUWai        |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
|  |              |          |                                       |          |          |   |         |                                       |  |              |          | 1 |      |          |         |       |          |               |
|  |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
|  |              |          |                                       | [        | Ī        |   | [       |                                       |  |              |          | Ī |      |          | T       |       |          |               |
|  |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
|  | Bajra        |          |                                       |          |          |   |         | 1                                     |  |              |          | 1 |      |          |         |       |          |               |
| Barnyard millet  |              |          |                                       |          |          |   |         |                                       |  | <br>         |          |   |      |          |         |       |          |               |
| Barnyard nillet  |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| Barnyard nillet  |              |          |                                       |          |          |   |         |                                       |  | <br>         |          |   |      |          |         |       |          |               |
| Barnyard nillet  |              |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
| sarnyara<br>nillet   | D            |          |                                       |          |          |   |         |                                       |  | <br>         |          |   |      |          |         | <br>  |          | <b></b>       |
| nillet   | Barnyard     |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
|  | millet       |          |                                       |          |          |   |         |                                       |  |              |          |   |      |          |         |       |          |               |
|  | <u>.</u>     | <u>i</u> | .4                                    | <b>4</b> | 4        |   | <b></b> |                                       | <br><u>i</u> i                             | <br><u>i</u> | <u>t</u> |   | <br> | ±        | <u></u> | <br>£ | <u>.</u> | ±             |

|                                   |   | <br> |  | <br>         |  |          |     | <br> |  | ī |   |      | 1/       |
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|                                   |   |      |  |              |  |          |     |      |  |   |   |      |          |
| Finger<br>millet                  |   |      |  |              |  |          |     |      |  |   |   |      |          |
| millet                            |   |      |  |              |  |          |     |      |  |   |   |      |          |
|                                   |   |      |  |              |  |          |     |      |  |   |   |      |          |
|                                   |   |      |  |              |  |          |     |      |  |   |   |      |          |
| Vegetable                         |   |      |  |              |  |          |     |      |  |   |   |      |          |
| s                                 |   |      |  |              |  |          |     |      |  |   |   |      | ĺ        |
| Vegetable<br>s<br>Bottlegour<br>d |   |      |  |              |  |          |     |      |  |   |   |      |          |
| d                                 |   |      |  |              |  |          |     |      |  |   |   |      | <u> </u> |
|                                   |   |      |  |              |  |          |     |      |  |   |   |      | i        |
|                                   |   |      |  |              |  |          |     |      |  |   |   |      |          |
| Bittergour                        | • |      |  |              |  |          |     |      |  |   |   |      |          |
| Bittergour<br>d                   |   |      |  |              |  |          |     |      |  |   |   |      |          |
|                                   |   |      |  |              |  |          |     |      |  |   |   |      |          |
|                                   |   |      |  |              |  |          |     |      |  |   |   |      |          |
| Cowpea                            |   |      |  |              |  |          |     | -    |  |   |   |      |          |
|                                   |   | <br> |  | <br>ļ        |  |          | ļ   |      |  |   |   | <br> |          |
|                                   |   |      |  |              |  |          |     |      |  |   |   |      |          |
|                                   |   |      |  |              |  |          |     |      |  |   |   |      |          |
| Spongego<br>urd                   |   | <br> |  | <br>•        |  |          |     |      |  | • | • |      |          |
| urd                               |   |      |  |              |  |          |     |      |  |   |   |      |          |
|                                   |   |      |  |              |  |          |     |      |  |   |   |      |          |
|                                   |   |      |  |              |  |          |     |      |  |   |   |      |          |
| Petha                             |   | <br> |  |              |  |          |     |      |  |   |   |      |          |
|                                   |   |      |  |              |  |          |     |      |  |   |   |      |          |
|                                   |   | <br> |  | <br>         |  |          |     |      |  |   |   |      |          |
|                                   |   |      |  |              |  |          |     |      |  |   |   |      |          |
| Tomato                            |   |      |  |              |  |          |     |      |  |   |   |      |          |
|                                   |   |      |  |              |  |          |     |      |  |   |   |      |          |
|                                   |   | <br> |  |              |  |          |     |      |  |   |   |      |          |
| <b></b>                           |   | <br> |  |              |  |          |     |      |  |   |   |      |          |
| Frenchbea<br>n                    |   |      |  |              |  |          |     |      |  |   |   |      |          |
| 11                                |   |      |  |              |  |          |     |      |  |   |   |      |          |
|                                   |   |      |  |              |  |          |     |      |  |   |   |      |          |
|                                   |   | <br> |  |              |  |          |     |      |  |   |   |      |          |
| Capsicum                          |   |      |  |              |  |          |     |      |  |   |   |      |          |
|                                   |   |      |  |              |  |          |     |      |  |   |   |      |          |
|                                   |   | <br> |  |              |  |          |     |      |  |   |   |      |          |
| Chilli                            |   |      |  | <br>         |  |          |     |      |  |   |   |      |          |
| <b></b>                           |   | <br> |  | <br>ļļ       |  |          |     | <br> |  |   |   |      |          |
|                                   |   |      |  |              |  |          | ļi. |      |  |   |   |      |          |
|                                   |   |      |  |              |  |          |     |      |  |   |   |      |          |
| Brinjal                           |   |      |  |              |  |          |     |      |  |   |   |      |          |
| -                                 |   |      |  |              |  |          |     |      |  |   |   |      |          |
|                                   |   | <br> |  | <br><u> </u> |  | <u> </u> | Lİ. | <br> |  |   |   |      |          |

| regetable Rea Rea Rea Rea Rea Rea Rea Rea Rea Re   |                   |     | <br>T | ·        | ·        | ····r |            | ······ | ······ | <br> | <br>*        | T        | <br> | *        | . 10,         |
|--|-------------------|-----|-------|----------|----------|-------|------------|--------|--------|------|--------------|----------|------|----------|---------------|
| Softgourd  Okra  Corlocasia Anvi)  Succumber  Corlocation                     |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Sofigeurd  Okra  Colocasia Anny)  Succumber  Colocasia C |                   |     |       | ļ        |          |       |            |        |        | <br> | <br>ļ        | ļ        |      | ļ        | ļ             |
| Sofigourd  Okra  Colocasia Anni)  Succumber  Colocasia C | Vegetable         |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Sofigourd  Okra  Colocasia Anni)  Succumber  Colocasia C | pea               |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Okra  Colocasia Arvi)  Roccoli  Colocasia Colo | Pou               |     |       |          |          |       |            |        |        |      | <br>         |          |      |          | <del>  </del> |
| Okra  Colocasia Arvi)  Roccoli  Colocasia Colo |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Okra  Colocasia Arvi)  Roccoli  Colocasia Colo |                   |     |       |          |          |       |            |        |        | <br> | <br><b></b>  | <u> </u> |      |          |               |
| Okra  Colocasia Arvi)  Roccoli  Colocasia Colo |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Okra  Colocasia Arvi)  Roccoli  Colocasia Colo | Coffacurd         |     |       |          |          |       | +          |        |        |      |              | <u> </u> |      |          |               |
| Colocasia Arvi)  Broccoli  Cucumber  | Songoura          |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Colocasia Arvi)  Broccoli  Cucumber  |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Colocasia Arvi)  Broccoli  Cucumber  |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Colocasia Arvi)  Broccoli  Cucumber  |                   |     |       |          |          |       |            |        |        |      | <u> </u>     | <u> </u> |      | •        |               |
| Colocasia Arvi)  Broccoli  Cucumber  |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Colocasia Arvi)  Proccoli  Dionini  Dionini  Sabbage  Salititose   | Okra              |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| According to the control of the cont | ORIG              |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Arccoli  Arc |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| According to the control of the cont |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| According to the control of the cont |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| According to the control of the cont |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Arccoli  Arc | Colocasia         |     |       |          |          |       |            |        |        | <br> |              |          |      |          |               |
| Arccoli  Arc | (Arvi)            |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Arccoli  Arc | (ALVI)            |     |       | ļ        |          |       |            |        |        |      | <u> </u>     |          |      | <u> </u> | ļi            |
| Aucumber  Cucumber  Cucumb |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Aucumber  Cucumber  Cucumb |                   |     |       |          |          |       |            |        |        | <br> | <br>ļ        | ļ        | <br> | ļ        | ļ             |
| Aucumber  Cucumber  Cucumb |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Aucumber  Cucumber  Cucumb |                   |     |       |          |          |       |            |        |        |      |              | ļ        | <br> |          |               |
| Aucumber  Cucumber  Cucumb | Broccoli          |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Donion Corriender Corr |                   |     |       |          |          |       |            |        |        |      | <br>ļ        | ļ        | <br> |          | <b></b>       |
| Donion Corriender Corr |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Donion Corriender Corr |                   |     |       |          |          |       |            |        |        | <br> | <br><u> </u> | ļ        |      |          | -             |
| Donion Corriender Corr |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Donion Corriender Corr | O                 |     |       |          |          |       |            |        |        |      | <u> </u>     |          |      |          |               |
| Coriender  Coriender  Cabbage  Cauliflowe  | Cucumber          |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Coriender  Coriender  Cabbage  Cauliflowe  |                   |     |       |          |          |       |            |        |        | <br> |              |          |      |          |               |
| Coriender  Coriender  Cabbage  Cauliflowe  |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Coriender  Coriender  Cabbage  Cauliflowe  |                   |     |       |          |          |       |            |        |        |      | <br>•        |          |      |          |               |
| Coriender  Coriender  Cabbage  Cauliflowe  |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Coriender  Coriender  Cabbage  Cauliflowe  | Onion             |     |       |          |          |       |            |        |        |      |              | <b></b>  |      |          | <b>!</b>      |
| Lettuce  Cabbage  Cauliflowe   | Onion             |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Lettuce  Cabbage  Cauliflowe   |                   |     |       |          |          |       |            |        |        |      | <br><b></b>  | İ        |      |          |               |
| Lettuce  Cabbage  Cauliflowe   |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Lettuce  Cabbage  Cauliflowe   |                   |     |       |          |          |       |            |        |        |      | •            |          |      |          |               |
| Lettuce  Cabbage  Cauliflowe   |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Lettuce  Cabbage  Cauliflowe   | Coriender         |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Cabbage  Cauliflowe  | Outender          |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Cabbage  Cauliflowe  |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Cabbage  Cauliflowe  |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Cabbage  Cauliflowe  |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Cabbage  Cauliflowe  |                   |     |       |          |          |       |            |        |        |      |              |          |      |          | ļi            |
| Cabbage  Cauliflowe  | Lettuce           |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Cauliflowe   |                   |     |       |          |          |       |            |        |        |      | <br>į        |          |      |          |               |
| Cauliflowe   |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Cauliflowe   |                   |     |       |          |          |       |            |        |        | <br> | <br>         |          | <br> |          |               |
| Cauliflowe   |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Cauliflowe   |                   |     |       | ļ        | ļ        |       |            | ļ      |        |      | ļ            | ļ        |      | ļ        | ļļ            |
| Cauliflowe   | Cabbage           |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| iauliflowe   | -                 |     |       | ļ        | ļ        |       | - <b>!</b> |        |        |      | <u> </u>     | <b>!</b> | <br> | <u> </u> | <b></b>       |
| auliflowe  |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Cauliflowe   |                   |     |       | ļ        | <b>.</b> |       |            |        |        |      | <br><b></b>  | <b>.</b> | <br> |          | ļ             |
| Cauliflowe Communication Commu |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| auiπiowe   | A!!               | -   |       |          | <b> </b> |       |            |        |        | <br> | <br><b></b>  |          | <br> | <b></b>  | ļ             |
|  | Cauliflowe        |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
|  | r                 |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
|  |                   |     |       | <u> </u> |          |       |            |        |        |      | <u>.</u>     | <u> </u> |      | <u> </u> | 1             |
|  |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
|  |                   |     |       |          | <b>†</b> |       | •          |        |        | <br> | •            | •        |      | •        | <u> </u>      |
|  |                   |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| Joseph   | Flonbant          |     |       |          |          |       |            |        |        |      | •            | <u> </u> |      |          | <u> </u>      |
| repriant   | Elephant<br>fruit |     |       |          |          |       |            |        |        |      |              |          |      |          |               |
| /uit   | Eurrit :          | 1   |       |          |          |       |            |        |        |      |              |          |      |          |               |
|  | Truit             | 1 1 |       |          |          |       |            |        |        |      |              |          |      |          |               |

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|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
| Flower<br>crops<br>Marigold |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
| crops                       |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
| Marigold                    |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
| Dala                        |      |   |         |  |     |       |   |                    | <br> |      |                |   |   |   |   |          |
| Bela                        |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   | ,        |
| Tuberose                    |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   | ļ                  | <br> |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
| Gladiolus                   |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     | -     | - |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
| Fruit                       |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
| crops<br>Mango              |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
| Iviango                     |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
| Strawberr                   |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
| у                           |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
| Guava                       |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
| Juuru                       |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
| Banana                      |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    | <br> |      |                |   |   |   |   |          |
|                             |      |   |         |  | ļ   |       |   |                    |      |      |                |   |   |   |   |          |
|                             | <br> |   |         |  |     |       |   | ļ                  | <br> |      |                |   |   |   |   |          |
| Papaya                      |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      | -    |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
| Muskmelo                    |      |   | ļ       |  |     |       |   | <del>       </del> |      |      |                |   |   |   |   | <u> </u> |
| n                           |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   | <b></b> |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   | <b> </b>           |      |      |                |   |   |   |   | <u> </u> |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             |      |   |         |  |     |       |   |                    |      |      |                |   |   |   |   |          |
|                             | <br> |   |         |  |     | <br>  |   |                    | <br> | <br> | · <del>-</del> |   |   | • |   | •        |

| r                                     | <br>······································ | ······································ | ······ | <br> | ····· |   | ······································ | <br>······································ | <br>     | <br> | · | ····· | <br> | <br> |
|---------------------------------------|--|--|--------|------|-------|---|--|--|----------|------|---|-------|------|------|
| Watermelo<br>n                        |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
|                                       |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
|                                       |  |  |        |      |       |   |  | <br>                                       |          |      |   |       |      | j    |
| Spices &                              |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| Spices & condiment                    |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| S                                     |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| Ginger                                |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
|                                       |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
|                                       |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| Garlic                                |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
|                                       |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
|                                       |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| Turmeric                              |  |  |        |      | •     |   |  |  |          |      |   |       |      |      |
|                                       |  |  |        |      |       |   |  |  | •        |      |   |       |      |      |
|                                       |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| Commerci                              |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| al Crops                              |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| Commerci<br>al Crops<br>Sugarcan<br>e |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| e                                     |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
|                                       |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| Potato                                |  |  |        | <br> |       |   |  | <br>                                       | -        |      |   |       |      |      |
| 1 Otato                               |  |  |        |      |       |   |  | <br>                                       |          |      |   |       |      |      |
|                                       |  |  |        |      |       |   |  | <br>                                       |          |      |   |       |      |      |
|                                       |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| Medicinal<br>&                        |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| aromatic                              |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| plants                                |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| aromatic<br>plants<br>Mentholm<br>ent |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
|                                       |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
|                                       |  |  |        |      |       |   |  |  |          |      |   |       |      | j    |
| Kalmegh                               |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| g-                                    |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
|                                       |  |  |        |      |       |   |  |  | -        |      |   |       |      |      |
| Achwaran                              |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| Ashwagan<br>dha                       |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| <del></del>                           |  |  |        | <br> |       |   |  |  | <b>†</b> |      |   |       |      |      |
|                                       |  |  |        |      |       | - |  |  | -        |      |   |       |      |      |
| Fodder                                |  |  |        |      |       |   |  |  |          |      |   |       |      |      |
| Crops                                 |  |  |        |      |       |   |  |  |          |      |   |       |      |      |

|                |        |  |  |  |  |  |  |      |  |  | <i>4</i> 1 |
|----------------|--------|--|--|--|--|--|--|------|--|--|------------|
| Sorghum<br>(F) |        |  |  |  |  |  |  |      |  |  |            |
|                |        |  |  |  |  |  |  |      |  |  |            |
| Cowpea         |        |  |  |  |  |  |  |      |  |  |            |
| Cowpea<br>(F)  |        |  |  |  |  |  |  | <br> |  |  |            |
|                |        |  |  |  |  |  |  |      |  |  |            |
| Maize (F)      |        |  |  |  |  |  |  |      |  |  |            |
|                |        |  |  |  |  |  |  | <br> |  |  |            |
| Lucern         |        |  |  |  |  |  |  |      |  |  |            |
|                |        |  |  |  |  |  |  |      |  |  |            |
| Berseem        |        |  |  |  |  |  |  |      |  |  |            |
|                |        |  |  |  |  |  |  |      |  |  |            |
| O-t /E)        |        |  |  |  |  |  |  |      |  |  |            |
| Oat (F)        |        |  |  |  |  |  |  | <br> |  |  |            |
|                |        |  |  |  |  |  |  |      |  |  |            |
|                | ······ |  |  |  |  |  |  |      |  |  |            |

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

\*\* BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

| S. No | Feed Back for researchers | Feedback for line department |
|-------|---------------------------|------------------------------|
| 1     |                           |                              |
| 2     |                           |                              |

| <br>. commodi rocabacit c | n opcomo testinologico demonentate in 1 250 |
|---------------------------|---|
| S. No                     | Feed Back                                   |
| 1                         |   |
| 2                         |   |

#### **FLD on Livestock**

| demonstrated | (Animal/<br>Poultry/ |      | Major parameters % Yi<br>change<br>in major |   | or No<br>eggs/  | o. of   | _000          | cs of dem       | ionionano  | ,,, (11.0.)  | (Rs.)  |   |   |   |  |
|--------------|----------------------|------|---|---|---|---|---------------|-----------------|--|--|--|---|---|---|--|
|              | Birds, etc)          | Demo | Check                                       | parameter   | Demo  | Check   | Gross<br>Cost | Gross<br>Return | Net<br>Return  | BCR<br>(R/C)   | Gross<br>Cost  | Gross<br>Return   | Net<br>Return   | BCR<br>(R/C)  |  |
|              |                      |      |   |   |   |   |               |                 |  |  |  |   |   |   |  |
|              |                      |      |   |   |   |   |               |                 |  |  |  |   |   |   |  |
|              |                      |      |   |   |   |   |               |                 |  |  |  |   |   |   |  |
|              |                      |      |   |   |   |   |               |                 |  |  |  |   |   |   |  |
|              |                      |      |   |   |   |   |               |                 |  |  |  |   |   |   |  |
|              |                      |      |   |   |   |   |               |                 |  |  |  |   |   |   |  |
|              |                      |      |   |   |   |   |               |                 |  |  |  |   |   |   |  |
|              |                      |      |   |   |   |   |               |                 |  |  |  |   |   |   |  |
|              |                      |      |   |   |   |   |               |                 |  |  |  |   |   |   |  |
|              |                      |      |   |   |   |   |               |                 |  |  |  |   |   |   |  |
|              |                      |      |   |   |   |   |               |                 |  |  |  |   |   |   |  |
|              |                      |      |   | Marie | Image: Control of the control of th | Image: Control of the control of th |               |                 | The second state of the se | Cost Return Return Return  Cost Return Return Return  Cost Return Return Return  Cost Return Return Return  Cost Return Return Return  Cost Return Return Return  Cost Return Return Return  Cost Return Return Return Return  Cost Return Return Return  Cost Return Retu | Cost   Return   Ret | Cost Return (R/C) Cost Return | Cost Return (R/C) Cost Return | Cost Return Return (R/C) Cost Return Return Return (R/C) Cost Return |  |

<sup>\*</sup> Economics to be worked out based total cost of production per unit area and not on critical inputs alone. \*\* BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

| S. No | Feed Back for researchers | Feedback for line department |
|-------|---------------------------|------------------------------|
| 1     |                           |                              |
| 2     |                           |                              |

| S. No | Feed Back |  |
|-------|-----------|--|
| 1     |           |  |

### **FLD on Fisheries**

| Cotogony               | Thematic | Name of the                | No. of | No.of | Major pa      | rameters  | % change              | Other parameter |       | Econoi        | mics of der     | nonstratio    | Economics of check (Rs.) |               |                 |               |              |
|------------------------|----------|----------------------------|--------|-------|---------------|-----------|-----------------------|-----------------|-------|---------------|-----------------|---------------|--------------------------|---------------|-----------------|---------------|--------------|
| Category               | area     | technology<br>demonstrated | Farmer | units | Demons ration | Check nar | in major<br>parameter | Demons ration   | Check | Gross<br>Cost | Gross<br>Return | Net<br>Return | BCR<br>(R/C)             | Gross<br>Cost | Gross<br>Return | Net<br>Return | BCR<br>(R/C) |
| Common<br>Carps        |          |                            |        |       |               |           |                       |                 |       |               |                 |               |                          |               |                 |               |              |
|                        |          |                            |        |       |               |           |                       |                 |       |               |                 |               |                          |               |                 |               |              |
| Composite fish culture |          |                            |        |       |               |           |                       |                 |       |               |                 |               |                          |               |                 |               |              |
|                        |          |                            |        |       |               |           |                       |                 |       |               |                 |               |                          |               |                 |               |              |
| Feed<br>Manageme<br>nt |          |                            |        |       |               |           |                       |                 |       |               |                 |               |                          |               |                 |               |              |
|                        |          |                            |        |       |               |           |                       |                 |       |               |                 |               |                          |               |                 |               |              |

<sup>\*</sup> Economics to be worked out based total cost of production per unit area and not on critical inputs alone. \*\* BCR= GROSS RETURN/GROSS COST

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

| S. No | Feed Back for researchers | Feedback for line department |
|-------|---------------------------|------------------------------|
| 1     |                           |                              |
| 2     |                           |                              |
| 3     |                           |                              |
| 4     |                           |                              |

| S. No | Feed Back |
|-------|-----------|
| 1     |           |
| 2     |           |
| 3     |           |
| 4     |           |

### **FLD** on Other enterprises

| Category        | Name of the technology | No. of Farmer | No.of<br>units | Major par | in major |           | arameter | Econom | ics of dem<br>Rs./ | onstration<br>unit | (Rs.) or      | Economics of check (Rs.) or Rs./unit |               |                 |               |              |  |
|-----------------|------------------------|---------------|----------------|-----------|----------|-----------|----------|--------|--------------------|--------------------|---------------|--------------------------------------|---------------|-----------------|---------------|--------------|--|
|                 | demonstrated           |               |                | Demo      | Check    | parameter | Demo     | Check  | Gross<br>Cost      | Gross<br>Return    | Net<br>Return | BCR<br>(R/C)                         | Gross<br>Cost | Gross<br>Return | Net<br>Return | BCR<br>(R/C) |  |
| Oyster Mushroom |                        |               |                |           |          |           |          |        |                    |                    |               |                                      |               |                 |               |              |  |
|                 |                        |               |                |           |          |           |          |        |                    |                    |               |                                      |               |                 |               |              |  |
| Button Mushroom |                        |               |                |           |          |           |          |        |                    |                    |               |                                      |               |                 |               |              |  |
|                 |                        |               |                |           |          |           |          |        |                    |                    |               |                                      |               |                 |               |              |  |
| Apiculture      |                        |               |                |           |          |           |          |        |                    |                    |               |                                      |               |                 |               |              |  |
|                 |                        |               |                |           |          |           |          |        |                    |                    |               |                                      |               |                 |               |              |  |
| Maize Sheller   |                        |               |                |           |          |           |          |        |                    |                    |               |                                      |               |                 |               |              |  |
| waize Sheller   |                        |               |                |           |          |           |          |        |                    |                    |               |                                      |               |                 |               |              |  |
|                 |                        |               |                |           |          |           |          |        |                    |                    |               |                                      |               |                 |               |              |  |
| Value Addition  |                        |               |                |           |          |           |          |        |                    |                    |               |                                      |               |                 |               |              |  |
|                 |                        |               |                |           |          |           |          |        |                    |                    |               |                                      |               |                 |               |              |  |
| Vermi Compost   |                        |               |                |           |          |           |          |        |                    |                    |               |                                      |               |                 |               |              |  |
|                 |                        |               |                |           |          |           |          |        |                    |                    |               |                                      |               |                 |               |              |  |
|                 |                        |               |                |           |          |           |          |        |                    |                    |               |                                      |               |                 |               |              |  |

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

| S. No | Feed Back for researchers | Feedback for line department |
|-------|---------------------------|------------------------------|
| 1     |                           |                              |
| 2     |                           |                              |

| i eci il lical leedback o | on specific technologies demonstrated in rieds |  |
|---------------------------|--|--|
| S. No                     | Feed Back                                      |  |
| 1                         |  |  |
| 2                         |  |  |

### **FLD on Women Empowerment**

| Name of technology | No. of             | Name of observations                      | Demonstration  | Check   |  |  |
|--------------------|--------------------|---|--|---|--|--|
|                    | demonstrations     |   |  |   |  |  |
|                    |                    |   |  |   |  |  |
|                    |                    |   |  |   |  |  |
|                    |                    |   |  |   |  |  |
|                    |                    |   |  |   |  |  |
|                    | Name of technology | Name of technology  No. of demonstrations | Name of technology No. of demonstrations  Name of observations | Name of technology No. of demonstrations  Name of observations  Demonstration |  |  |

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

| S. No | Feed Back for researchers | Feedback for line department |
|-------|---------------------------|------------------------------|
| 1     |                           |                              |
| 2     |                           |                              |

Technical feedback on specific technologies demonstrated in FLDs

| S. No | Feed Back |  |
|-------|-----------|--|
| 1     |           |  |
| 2     |           |  |

### **FLD on Farm Implements and Machinery**

| • | Name of the implement | Crop | Technology demonstrated | No. of<br>Farmer | Area<br>(ha) | Major<br>parameters | Filed observation (output/man hour) |       | 1         |                     | 1      |             |       |                         |        |                |       |  |  |  | 1 |  | % change<br>in major | Labo | r reduction | ı (man day | s) | (Rs | Cost redu/ha or Rs. |  | ) |
|---|-----------------------|------|-------------------------|------------------|--------------|---------------------|-------------------------------------|-------|-----------|---------------------|--------|-------------|-------|-------------------------|--------|----------------|-------|--|--|--|---|--|----------------------|------|-------------|------------|----|-----|---------------------|--|---|
|   |                       |      |                         |                  |              |                     | Demo                                | Check | parameter | Land<br>preparation | Sowing | Weedin<br>g | Total | Land<br>preparati<br>on | Labour | Irrigati<br>on | Total |  |  |  |   |  |                      |      |             |            |    |     |                     |  |   |
|   |                       |      |                         |                  |              |                     |                                     |       |           |                     |        |             |       |                         |        |                |       |  |  |  |   |  |                      |      |             |            |    |     |                     |  |   |

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

| S. No | Feed Back for researchers | Feedback for line department |
|-------|---------------------------|------------------------------|
| 1     |                           |                              |
| 2     |                           |                              |

| S. No | Feed Back |
|-------|-----------|
| 1     |           |
| 2     |           |

### **FLD on Other Enterprise: Kitchen Gardening**

| Category and Crop | Thematic area | Name of the technology | No. of<br>Farmer | No. of<br>Units | Yield (Kg)    |       | Yield (Kg) |      | %<br>change | Other parameters |                 | Economics of demonstration (Rs./ha) |              |               |                 | Economics of check (Rs./ha) |              |  |  |
|-------------------|---------------|------------------------|------------------|-----------------|---------------|-------|------------|------|-------------|------------------|-----------------|-------------------------------------|--------------|---------------|-----------------|-----------------------------|--------------|--|--|
|                   |               | demonstrated           |                  |                 | Demons ration | Check | in yield   | Demo | Check       | Gross<br>Cost    | Gross<br>Return | Net<br>Return                       | BCR<br>(R/C) | Gross<br>Cost | Gross<br>Return | Net<br>Return               | BCR<br>(R/C) |  |  |
|                   |               |                        |                  |                 |               |       |            |      |             |                  |                 |                                     |              |               |                 |                             |              |  |  |
|                   |               |                        |                  |                 |               |       |            |      |             |                  |                 |                                     |              |               |                 |                             |              |  |  |

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

| S. No | Feed Back for researchers | Feedback for line department |
|-------|---------------------------|------------------------------|
| 1     |                           |                              |
| 2     |                           |                              |

Technical feedback on specific technologies demonstrated in FLDs

| S. No | Feed Back |  |
|-------|-----------|--|
| 1     |           |  |
| 2     |           |  |

### FLD on Demonstration details on crop hybrids (Details of Hybrid FLDs implemented during 2023)

|              |                         |                   |                   | _            |      | Yield (q/h              | ıa) |       | ٠, ١                   | Econo         | Economics of demonstration (Rs./ha) |            |              |  |
|--------------|-------------------------|-------------------|-------------------|--------------|------|-------------------------|-----|-------|------------------------|---------------|-------------------------------------|------------|--------------|--|
| Crop         | Technology demonstrated | Hybrid<br>Variety | No. of<br>Farmers | Area<br>(ha) | High | Demo<br>igh Low Average |     | Check | % Increase<br>in yield | Gross<br>Cost | Gross<br>Return                     | Net Return | BCR<br>(R/C) |  |
| Oilseed crop |                         |                   |                   |              |      |                         |     |       |                        |               |                                     |            |              |  |
|              |                         |                   |                   |              |      |                         |     |       |                        |               |                                     |            |              |  |
|              |                         |                   |                   |              |      |                         |     |       |                        |               |                                     |            |              |  |
| Pulse crop   |                         |                   |                   |              |      |                         |     |       |                        |               |                                     |            |              |  |
|              |                         |                   |                   |              |      |                         |     |       |                        |               |                                     |            |              |  |
|              |                         |                   |                   |              |      |                         |     |       |                        |               |                                     |            |              |  |
| Cereal crop  |                         |                   |                   |              |      |                         |     |       |                        |               |                                     |            |              |  |
|              |                         |                   |                   |              |      |                         |     |       |                        |               |                                     |            |              |  |
|              |                         |                   |                   |              |      |                         |     |       |                        |               |                                     |            |              |  |

| Vegetable crop  |  |  |  |  |  |  | 20 |
|-----------------|--|--|--|--|--|--|----|
|                 |  |  |  |  |  |  |    |
|                 |  |  |  |  |  |  |    |
|                 |  |  |  |  |  |  |    |
| Fruit crop      |  |  |  |  |  |  |    |
| 1 rait orop     |  |  |  |  |  |  |    |
|                 |  |  |  |  |  |  |    |
|                 |  |  |  |  |  |  |    |
| O.1 ( :6)       |  |  |  |  |  |  |    |
| Other (specify) |  |  |  |  |  |  |    |
|                 |  |  |  |  |  |  |    |
|                 |  |  |  |  |  |  |    |

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

Farmers reactions on the demonstrated technologies (by KVK Scientist who conducted the FLD)

| S. No | Feed Back for researchers | Feedback for line department |
|-------|---------------------------|------------------------------|
| 1     |                           |                              |
| 2     |                           |                              |

| S. No | Feed Back |
|-------|-----------|
| 1     |           |
| 2     |           |

# **III. Natural Farming**

### 1) Crop Harvesting Details

| Name of KVK |                 | Crop Details Under Demonstration  Natural farming Farmer's Practice |          |                 |  |              |         |          |                 |  |        |            |  |
|-------------|-----------------|---|----------|-----------------|--|--------------|---------|----------|-----------------|--|--------|------------|--|
| Name of KVK | Name of<br>Crop | Variety   | Area(ha) | Yield<br>(Q/ha) | Total Cost of<br>Cultivation<br>(Rs./ha) | Name of crop | Variety | Area(ha) | Yield<br>(Q/ha) | Total Cost of<br>Cultivation<br>(Rs./ha) | Sowing | Harvesting |  |
|             |                 |   |          |                 |  |              |         |          |                 |  |        |            |  |
|             |                 |   |          |                 |  |              |         |          |                 |  |        |            |  |

# 2) Preliminary Soil Data of Natural Farming Field

| Nome of        | Soil data of          | Soil Analysis |           |              |                             | Micron        | utrients      |               | Microbial Analysis |                              |              |                      |                                     |                    |
|----------------|-----------------------|---------------|-----------|--------------|-----------------------------|---------------|---------------|---------------|--------------------|------------------------------|--------------|----------------------|-------------------------------------|--------------------|
| Name of<br>KVK | Demonstrated/KVK Plot | N (Kg/ha)     | P (Kg/ha) | K<br>(Kg/ha) | Organic<br>Carbon<br>(%age) | Ca<br>(Kg/ha) | Mg<br>(Kg/ha) | Zn<br>(Kg/ha) | Others             | Bacterial<br>count<br>(Nos.) | Fungi (Nos.) | Actinomycetes (Nos.) | Phosphorus<br>Solubilizer<br>(Nos.) | N Fixers<br>(Nos.) |
|                |                       |               |           |              |                             |               |               |               |                    |                              |              |                      |                                     |                    |
|                |                       |               |           |              |                             |               |               |               |                    |                              |              |                      |                                     |                    |
|                |                       |               |           |              |                             |               |               |               |                    |                              |              |                      |                                     |                    |

# 3) Details of Demonstrations Conducted under Natural Farming Project

| S. No. | Name of KVK | Name of village | Name of farmer | Mobile no. of farmer | Area under demonstration<br>on Natural Farming (ha) |
|--------|-------------|-----------------|----------------|----------------------|---|
| 1      |             |                 |                |                      |   |
| 2      |             |                 |                |                      |   |
| 3      |             |                 |                |                      |   |

4) Information of Farmers already Practicing Natural Farming

| Sl. No. | Name of the<br>District | Name of the<br>Farmers | No. of desi<br>(indigenous)<br>cows | Land<br>holding<br>(ha) | Crops Grown | No. of<br>Years in<br>Natural<br>Farming | Area<br>Covered<br>under<br>Natural<br>Farming | Crops Grown<br>under Natural<br>Farming | Any significant<br>achievements under<br>natural farming |
|---------|-------------------------|------------------------|-------------------------------------|-------------------------|-------------|--|--|---|--|
| 1       |                         |                        |                                     |                         |             |  |  |   |  |
| 2       |                         |                        |                                     |                         |             |  |  |   |  |
| 3       |                         |                        |                                     |                         |             |  |  |   |  |

5) Natural Farming Nodal officer & Associate Name

| S.No. | Name of KVK | Name of Head/SMS | Discipline/Subject | Mobile No. |
|-------|-------------|------------------|--------------------|------------|
|       |             |                  |                    |            |
|       |             |                  |                    |            |

6) Preliminary Soil Data of Natural Farming Field

|         | Soil data of Soil Analysis |         |         |         |                   |         | Mi      | icronut | rients | Microbial Analysis |        |               |                           |             |  |
|---------|----------------------------|---------|---------|---------|-------------------|---------|---------|---------|--------|--------------------|--------|---------------|---------------------------|-------------|--|
| Name of | Demonstrated/KVK           | N       | P       | K       | Organic<br>Carbon | Ca      | Mg      | Zn      |        | Bacterial          | Fungi  | Actinomycetes | Phosphorus<br>Solubilizer | N<br>Fixers |  |
| KVK     | Plot                       | (Kg/ha) | (Kg/ha) | (Kg/ha) | (%age)            | (Kg/ha) | (Kg/ha) | (Kg/ha) | Others | count (Nos.)       | (Nos.) | (Nos.)        | (Nos.)                    | (Nos.)      |  |
|         |                            |         |         |         |                   |         |         |         |        |                    |        |               |                           |             |  |

# IV. Drone Project

# 1) Details of Drone Training

| <u>S.N</u> | Name of the<br>Institute/KVK | No. of<br>Drone<br>Alloted | No. of<br>Drones<br>Received | No. of<br>Trainees | Name of<br>RPTOs<br>(Pilot) | Designation of<br>Trainee | Mob No.<br>of<br>Trainee | Email Id<br>of<br>Trainee | Training<br>Institute | Training Status<br>Done/Scheduled | Passport<br>No. of the<br>Trainee | Training<br>Schedule | Remarks<br>about<br>Training<br>Schedule |
|------------|------------------------------|----------------------------|------------------------------|--------------------|-----------------------------|---------------------------|--------------------------|---------------------------|-----------------------|-----------------------------------|-----------------------------------|----------------------|--|
|            |                              |                            |                              |                    |                             |                           |                          |                           |                       |                                   |                                   |                      |  |
|            |                              |                            |                              |                    |                             |                           |                          |                           |                       |                                   |                                   |                      |  |

### 2) Details of Nodal officers under Drone Project

| <u>S.No</u> | Name of the Institute | Name of Nodal Officer | Contact No. | Email |
|-------------|-----------------------|-----------------------|-------------|-------|
|             |                       |                       |             |       |
|             |                       |                       |             |       |

3) Expenditure regarding Agri-Drone

| S.<br>No. | Name of KVK,<br>ICAR Institute and<br>AU | No. of Drones<br>allotted | No. of Drones<br>Purchased | Funds for purchase<br>of Drones@ Rs.10.0<br>lakh/drone | Eunds for conducting demonstration Rs.@ 0.03   lakh/demo Rs. In lakh/demo | Total funds released<br>(Rs. In Lakh) | Funds utilized for<br>purchase of Drones<br>(Rs. In Lakh) | Funds utilized for<br>conducting<br>demonstration (Rs.<br>In Lakh) | Total Fund Utilized<br>(Rs. In Lakh) | Balance (Rs. In<br>Lakh) | Percentage<br>Utilization of<br>Released Budget | Target Area under<br>demonstration<br>(ha) | Area under<br>herbicidal spray<br>(ha) | Area under<br>insecticidal spray<br>(ha) | Area under<br>fertilizer spray (ha) | Area under nano-<br>fertilizer spray (ha) | Total target<br>achieved under<br>demonstration (ha) |
|-----------|--|---------------------------|----------------------------|--|---|---------------------------------------|---|--|--------------------------------------|--------------------------|---|--|--|--|-------------------------------------|---|--|
|           |  |                           |                            |  |   |                                       |   |  |                                      |                          |   |  |  |  |                                     |   |  |

# V. DAMU Project

### **Project Details**

| 1. Name of Damu, D   | istrict, ATARI zon   | ne and Year           |                                    |                           |
|--|----------------------|-----------------------|------------------------------------|---------------------------|
| DAMU Name  | e :                  |                       |                                    |                           |
| Name of Bloo   | eks:                 |                       |                                    |                           |
| Year of start of   | of AAS at DAMU:      | :                     |                                    |                           |
| 2. Name and address  | with landline and    | mobile numbers alor   | ng with STD code (also pro         | vide e-mail address)      |
|  |                      |                       |                                    | .100 0 1111111 11011 022) |
| of flead of ATAKI  | i, Project Coordina  | tor, Head of the Kris | hi Vigyan Kendra (KVK)             |                           |
| Designation  | Name                 | Address               | STD code<br>Telephone no.<br>& Fax | Email-id                  |
| Head of ATARI  |                      |                       |                                    |                           |
| Head of KVK  |                      |                       |                                    |                           |
| Project Coordinator (PC)   |                      |                       |                                    |                           |
| SMS  |                      |                       |                                    |                           |
| Agromet Observer (AO)  |                      |                       |                                    |                           |
| <ul><li>5. Date of start of Ag</li><li>6. Nearest Air, Tv Ai</li><li>I) Air Station :</li><li>II) TV Station :</li></ul> | •                    |                       | stance from DAMU)                  |                           |
| III) Railway Station:  | :                    |                       |                                    |                           |
| 7. Status of Agro-A  | WS                   |                       |                                    |                           |
| 7.1 Date of in   | stallation of AWS    | :                     |                                    |                           |
| 7.2 List of ins  | struments presently  | available in workin   | g condition:                       |                           |
| 7.3 Instrumen  | nts to be replaced/r | epaired indicating ty | pe of defect:                      |                           |
| 7.4 Please pro   | ovide frequency of   | observation, exposu   | re conditions of the site etc.     |                           |
|  |                      |                       |                                    |                           |

7.6 Number of years of data records available:

- 7.8 Whether the observatory is periodically inspected, maintained and calibrated by IMD (If yes, please indicate the latest data of inspection by the IMD)
- 7.9 Details of soil moisture observations taken, if any (please provide frequency and depths of observation etc.)
- 8. Details of Agromet Advisory Services
  - i. How many times the weather forecasts were received during the year:
  - ii. When do you receive the forecasts from MC/RMC?
  - iii. How many AAS bulletins were prepared and disseminated to the farmers in the year?
  - iv. How many AAS bulletins were prepared using Agromet-DSS in English and regional languages?
  - v. List the modes of mass communication adopted for AAS dissemination:
  - vi. Details of broadcast on AIR and TV (name of station broadcast frequency, time slot provided etc.) (Audio tape of the recent broadcast):
  - vii. Give list of farmers awareness programmes conducted like Krishi / Kishan Melas, training, participation in national day parades etc. and photograph of Farmer's Awareness Programme (no of Farmer attended)
  - viii. No of SMS sent through Kisan Portal and how many farmers were benefitted during the year ix. List of other organizations receiving Agromet advisories:
- 9. Verification results of District and Block level weather forecast
- 10. Economic impact of Agromet advisory services:
- 11. Mobile APP based Agromet advisory services for farmers:
- 12. Feedback from progressive farmers:

# VI. Training Programme

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

| Thematic area                 | Actual Title of    | No. of  |          |        |          | I        | Participan | ts       |             |          |          |
|-------------------------------|--------------------|---------|----------|--------|----------|----------|------------|----------|-------------|----------|----------|
| (May be specific to           | training conducted | 1       |          | Others |          |          | SC/ST      |          | Grand Total |          |          |
| any given KVK)                |                    | courses | Male     | Female | Total    | Male     | Female     | Total    | Male        | Female   | Total    |
| I Crop Production             |                    |         |          |        |          |          |            |          |             |          |          |
| Weed Management               |                    |         |          |        |          |          |            |          |             |          |          |
| Resource Conservation         |                    |         |          |        |          |          |            |          |             |          |          |
| Technologies                  |                    |         |          |        |          |          |            |          |             |          |          |
| Cropping Systems              |                    |         |          |        |          |          |            |          |             |          |          |
| Crop Diversification          |                    |         |          |        |          |          |            |          |             |          |          |
| Integrated Farming            |                    |         |          |        |          |          |            |          |             |          |          |
| Micro                         |                    |         |          |        |          |          |            |          |             |          |          |
| Irrigation/irrigation         |                    |         |          |        |          |          |            |          |             |          |          |
| Seed production               |                    |         |          |        |          |          |            |          |             |          |          |
| Nursery management            |                    |         |          |        |          |          |            |          |             |          |          |
| Integrated Crop               |                    |         |          |        |          |          |            |          |             |          |          |
| Management                    |                    |         |          |        |          |          |            |          |             |          |          |
| Soil & water                  |                    |         |          |        |          |          |            |          |             |          |          |
| conservatioin                 |                    |         |          |        |          |          |            |          |             |          |          |
| Integrated nutrient           |                    |         |          |        |          |          |            |          |             |          |          |
| management                    |                    |         |          |        |          |          |            |          |             |          |          |
| Production of organic         |                    |         |          |        |          |          |            |          |             |          |          |
| inputs<br>Others (pl specify) |                    |         |          |        |          |          |            |          |             |          |          |
| Total                         |                    |         |          |        |          |          |            |          |             |          |          |
| II Horticulture               |                    |         |          |        |          |          |            |          |             |          |          |
| a) Vegetable Crops            |                    |         |          |        |          |          |            |          |             |          |          |
| Production of low value       |                    |         |          |        |          |          |            |          |             |          |          |
| and high valume crops         |                    |         |          |        |          |          |            |          |             |          |          |
| Off-season vegetables         |                    |         |          |        |          |          |            |          |             |          |          |
| Nursery raising               |                    |         |          |        |          |          |            |          |             |          |          |
| Exotic vegetables             |                    |         |          |        |          |          |            |          |             |          |          |
| Export potential              |                    |         |          |        |          |          |            |          |             |          |          |
| vegetables                    |                    |         |          |        |          |          |            |          |             |          |          |
| Grading and                   |                    |         |          |        |          |          |            |          |             |          |          |
| standardization               |                    |         |          |        |          |          |            |          |             |          |          |
| Protective cultivation        |                    |         | •        |        |          |          |            |          |             |          |          |
| Others (pl specify)           |                    |         |          |        |          |          |            |          |             |          |          |
| Total (a)                     |                    |         |          |        |          |          |            |          |             |          |          |
| b) Fruits                     |                    |         |          |        |          |          |            |          |             |          |          |
| Training and Pruning          |                    |         |          |        |          |          |            |          |             |          |          |
| Layout and                    |                    |         |          |        |          |          |            |          |             |          |          |
| Management of                 |                    |         |          |        |          |          |            |          |             |          |          |
| Orchards                      |                    |         |          |        |          |          |            |          |             |          |          |
| Cultivation of Fruit          |                    |         |          |        |          |          |            |          |             |          |          |
| Management of young           |                    |         |          |        |          |          |            |          |             |          |          |
| plants/orchards               |                    |         |          |        |          |          |            |          |             |          |          |
| Rejuvenation of old           |                    |         |          |        |          |          |            |          |             |          |          |
| orchards                      |                    |         |          |        |          |          |            |          |             |          |          |
| Export potential fruits       |                    |         |          |        |          |          |            |          |             |          |          |
| Micro irrigation              |                    |         |          |        |          |          |            |          |             |          |          |
| systems of orchards           |                    |         |          |        |          |          |            |          |             |          |          |
| Plant propagation             |                    |         |          |        |          |          |            |          |             |          |          |
| techniques                    |                    |         |          |        |          |          |            |          |             |          |          |
| Others (pl specify)           |                    |         |          |        |          |          |            |          |             |          |          |
| Total (b)                     |                    |         | <u> </u> |        | <u> </u> | <u> </u> |            | <u> </u> | <u> </u>    |          |          |
| c) Ornamental Plants          |                    |         | ļ        |        | <u> </u> |          |            | ļ        | <u> </u>    |          |          |
| Nursery Management            |                    |         | <u> </u> |        |          | <u> </u> |            | <u> </u> | <u> </u>    |          |          |
| Management of potted          |                    |         |          |        |          |          |            |          |             |          |          |
| plants                        |                    |         |          |        |          |          |            |          |             |          |          |
| Export potential of           |                    |         |          |        |          |          |            |          |             |          |          |
| ornamental plants             |                    |         |          |        |          |          |            |          |             |          |          |
| Propagation techniques        |                    |         |          |        |          |          |            |          |             |          |          |
| of Ornamental Plants          |                    |         |          |        |          |          |            |          |             |          |          |
| Others (pl specify)           |                    |         | L        | L      | L        | L        | L          | L        | L           | <u>L</u> | <u> </u> |

|                                   | T     | 1        |      |      | : | · | 35   |
|-----------------------------------|-------|----------|------|------|---|---|------|
| Total ( c)                        |       |          |      |      |   |   |      |
| d) Plantation crops               |       |          |      |      |   |   |      |
| Production and                    |       |          |      |      |   |   |      |
| Management                        |       |          |      |      |   |   |      |
| technology                        |       |          |      |      |   |   |      |
| Processing and value              |       |          |      |      |   |   |      |
| addition                          |       |          |      |      |   |   |      |
| Others (pl specify)               |       |          |      |      |   |   |      |
| Total (d)                         |       |          |      |      |   |   |      |
| e) Tuber crops                    |       |          |      |      |   |   |      |
| Production and                    |       |          |      |      |   |   |      |
| Management                        |       |          |      |      |   |   |      |
| technology                        |       |          |      |      |   |   |      |
| Processing and value              |       |          |      |      |   |   |      |
| addition                          |       |          |      |      |   |   |      |
| Others (pl specify)               |       |          |      |      |   |   |      |
| Total (e)                         |       | •        |      |      |   |   |      |
| f) Spices                         |       |          |      |      |   |   |      |
| Production and                    |       |          |      |      |   |   |      |
| Management                        |       |          |      |      |   |   |      |
| technology                        |       |          |      |      |   |   |      |
| Processing and value              |       | •        |      |      |   |   |      |
| addition                          |       |          |      |      |   |   |      |
| Others (pl specify)               |       |          | <br> |      |   |   |      |
| Total (f)                         |       | ļ        |      |      |   |   |      |
| g) Medicinal and                  |       |          |      |      |   |   |      |
| Aromatic Plants                   |       |          |      |      |   |   |      |
|                                   |       |          |      |      |   |   |      |
| Nursery management Production and |       | <u> </u> |      |      |   |   |      |
|                                   |       |          |      |      |   |   |      |
| management                        |       |          |      |      |   |   |      |
| technology                        |       |          |      |      |   |   |      |
| Post harvest technology           |       |          |      |      |   |   |      |
| and value addition                |       |          |      |      |   |   |      |
| Others (pl specify)               |       |          |      |      |   |   |      |
| Total (g)                         |       |          |      |      |   |   |      |
| GT (a-g)                          |       |          |      |      |   |   |      |
| III Soil Health and               |       |          |      |      |   |   |      |
| Fertility Management              |       |          |      |      |   |   |      |
| Soil fertility                    |       |          |      |      |   |   |      |
| management                        |       |          |      |      |   |   |      |
| Integrated water                  |       |          |      |      |   |   |      |
| management                        |       |          |      |      |   |   |      |
| Integrated Nutrient               |       |          |      |      |   |   |      |
| Management                        |       |          |      |      |   |   |      |
| Production and use of             |       |          |      |      |   |   |      |
| organic inputs                    |       |          |      |      |   |   |      |
| Management of                     |       |          |      |      |   |   |      |
| Problematic soils                 |       |          |      |      |   |   |      |
| Micro nutrient                    |       |          |      |      |   |   |      |
| deficiency in crops               |       |          |      |      |   |   |      |
| Nutrient Use Efficiency           |       |          |      |      |   |   |      |
| Balance use of                    | <br>  |          | <br> | <br> |   |   | <br> |
| fertilizers                       |       |          |      |      |   |   |      |
| Soil and Water Testing            |       |          | <br> |      |   |   |      |
| Others (pl specify)               |       |          |      |      |   |   |      |
| Total                             |       |          |      |      |   |   |      |
| IV Livestock                      | <br>İ | İ        |      |      |   |   |      |
| Production and                    |       |          |      |      |   |   |      |
| Management                        |       |          |      |      |   |   |      |
| Dairy Management                  |       |          |      |      |   |   |      |
| Poultry Management                |       | <u> </u> |      |      |   |   |      |
| Piggery Management                |       | <u> </u> |      |      |   |   |      |
| Rabbit Management                 |       |          |      |      |   |   |      |
| Animal Nutrition                  |       |          |      |      |   |   |      |
| Management                        |       |          |      |      |   |   |      |
|                                   |       |          |      |      |   |   |      |
| Disease Management                |       | <u> </u> |      |      |   |   |      |
| Feed & fodder                     |       |          |      |      |   |   |      |
| technology Production of quality  |       |          | <br> | <br> |   |   |      |
|                                   |       |          |      |      |   |   |      |

|  |      | · |      | ·        |   | <br>r | <br>36 |
|--|------|---|------|----------|---|-------|--------|
| animal products                          |      |   |      |          |   |       |        |
| Others (pl specify)                      |      |   |      |          |   |       |        |
| Total                                    |      |   |      |          |   |       |        |
| V Home                                   |      |   |      |          |   |       |        |
| Science/Women                            |      |   |      |          |   |       |        |
| empowerment                              |      |   |      |          |   |       |        |
| Household food                           |      |   |      |          |   |       | <br>   |
|  |      |   |      |          |   |       |        |
| security by kitchen                      |      |   |      |          |   |       |        |
| gardening and nutrition                  |      |   |      |          |   |       |        |
| gardening                                |      |   |      |          |   |       |        |
| Design and                               |      |   |      |          |   |       |        |
| development of                           |      |   |      |          |   |       |        |
| low/minimum cost diet                    |      |   |      |          |   |       |        |
| Designing and                            |      |   |      |          |   |       | <br>   |
| development for high                     |      |   |      |          |   |       |        |
| nutrient efficiency diet                 |      |   |      |          |   |       |        |
|  |      |   |      |          |   |       |        |
| Minimization of                          |      |   |      |          |   |       |        |
| nutrient loss in                         |      |   |      |          |   |       |        |
| processing                               |      |   |      |          |   |       |        |
| Processing and cooking                   |      |   |      |          |   |       |        |
| Gender mainstreaming                     | <br> |   | <br> |          |   | <br>  |        |
| through SHGs                             |      |   |      |          |   |       |        |
| Storage loss                             |      |   | <br> |          |   |       | <br>   |
| minimization                             |      |   |      |          |   |       |        |
| techniques                               |      |   |      |          |   |       |        |
| Value addition                           |      |   |      |          |   |       |        |
|  |      |   |      |          |   |       |        |
| Women empowerment                        |      |   |      |          |   |       | <br>   |
| Location specific                        |      |   |      |          |   |       |        |
| drudgery reduction                       |      |   |      |          |   |       |        |
| technologies                             |      |   |      |          |   |       |        |
| Rural Crafts                             |      |   |      |          |   |       |        |
| Women and child care                     |      |   |      |          |   |       | <br>   |
| Others (pl specify)                      |      |   |      |          |   |       |        |
| Total                                    |      |   |      |          |   |       | <br>   |
|  |      |   |      |          |   |       |        |
| VI Agril. Engineering                    |      |   |      |          |   |       | <br>   |
| Farm Machinary and its                   |      |   |      |          |   |       |        |
| maintenance                              |      |   |      |          |   |       | <br>   |
| Installation and                         |      |   |      |          |   |       |        |
| maintenance of micro                     |      |   |      |          |   |       |        |
| irrigation systems                       |      |   |      |          |   |       |        |
| Use of Plastics in                       |      |   |      |          |   |       |        |
| farming practices                        |      |   |      |          |   |       |        |
| Production of small                      |      |   |      |          |   |       |        |
| tools and implements                     |      |   |      |          |   |       |        |
| Repair and                               |      |   |      |          |   |       | <br>   |
|  |      |   |      |          |   |       |        |
| maintenance of farm                      |      |   |      |          |   |       |        |
| machinery and                            |      |   |      |          |   |       |        |
| implements                               |      |   |      |          |   |       | <br>   |
| Small scale processing                   |      |   |      |          |   |       |        |
| and value addition                       |      |   |      |          |   |       |        |
| Post Harvest                             |      |   | <br> |          |   | <br>  | <br>   |
| Technology                               |      |   |      |          |   |       |        |
| Others (pl specify)                      |      |   |      |          |   |       |        |
| Total                                    |      |   |      |          |   |       |        |
| VII Plant Protection                     |      |   |      | ļ        |   |       | <br>   |
|  |      |   |      |          |   |       |        |
| Integrated Pest                          |      |   |      |          |   |       |        |
| Management                               |      |   |      |          |   |       | <br>   |
| Integrated Disease                       |      |   |      |          |   |       |        |
| Management                               |      |   |      |          |   |       |        |
| Bio-control of pests and                 |      |   |      |          |   |       |        |
| diseases                                 |      |   |      |          |   |       |        |
| Production of bio                        |      |   |      |          |   |       |        |
| control agents and bio                   |      |   |      |          |   |       |        |
| pesticides                               |      |   |      |          |   |       |        |
| pesuciaes                                |      |   |      | <b>.</b> |   |       | <br>   |
| Others (pl specify)                      |      |   |      |          | 1 |       |        |
| Others (pl specify)                      |      |   |      |          |   |       |        |
| Others (pl specify) <b>Total</b>         |      |   |      |          |   |       |        |
| Others (pl specify) Total VIII Fisheries |      |   |      |          |   |       |        |
| Others (pl specify) <b>Total</b>         |      |   |      |          |   |       |        |

|                            | , | · | * |    | ····· |         |          | <br>r | , | . 37 |
|----------------------------|---|---|---|----|-------|---------|----------|-------|---|------|
| hatchery management        |   |   |   |    |       |         |          |       |   |      |
| Carp fry and fingerling    |   |   |   |    |       |         |          |       |   |      |
| rearing                    |   |   |   |    |       |         |          |       |   |      |
| Composite fish culture     |   |   |   |    |       |         |          |       |   |      |
| Hatchery management        |   |   |   |    |       |         |          |       |   |      |
| and culture of             |   |   |   |    |       |         |          |       |   |      |
| freshwater prawn           |   |   |   |    |       |         |          |       |   |      |
| Breeding and culture of    |   |   |   |    |       |         | <u> </u> |       |   |      |
| ornamental fishes          |   |   |   |    |       |         |          |       |   |      |
|                            |   |   |   |    |       |         |          |       |   |      |
| Portable plastic carp      |   |   |   |    |       |         |          |       |   |      |
| hatchery                   |   |   |   |    |       |         |          |       |   |      |
| Pen culture of fish and    |   |   |   |    |       |         |          |       |   |      |
| prawn                      |   |   |   |    |       |         |          |       |   |      |
| Shrimp farming             |   |   |   |    |       |         |          |       |   |      |
| Edible oyster farming      |   |   |   |    |       |         |          |       |   |      |
| Pearl culture              |   |   |   |    |       |         |          |       |   |      |
| Fish processing and        |   |   |   |    |       |         |          |       |   |      |
| value addition             |   |   |   |    |       |         |          |       |   |      |
| Others (pl specify)        |   |   |   |    |       |         |          |       |   |      |
|                            |   |   |   |    |       |         |          | <br>  |   |      |
| Total                      |   |   |   |    |       |         |          |       |   |      |
| IX Production of           |   |   |   |    |       |         |          |       |   |      |
| Inputs at site             |   |   |   |    |       |         |          |       |   |      |
| Seed Production            |   |   |   |    |       |         |          |       |   |      |
| Planting material          |   |   |   |    |       |         |          |       |   |      |
| production                 |   |   |   |    |       |         |          |       |   |      |
| Bio-agents production      |   |   |   |    |       |         |          |       |   |      |
| Bio-pesticides             |   |   |   |    |       |         |          |       |   |      |
| production                 |   |   |   |    |       |         |          |       |   |      |
| Bio-fertilizer             |   |   |   |    |       |         |          |       |   |      |
| production                 |   |   |   |    |       |         |          |       |   |      |
|                            |   |   |   |    |       |         |          | <br>  |   |      |
| Vermi-compost              |   |   |   |    |       |         |          |       |   |      |
| production                 |   |   |   |    |       |         |          |       |   |      |
| Organic manures            |   |   |   |    |       |         |          |       |   |      |
| production                 |   |   |   |    |       |         |          |       |   |      |
| Production of fry and      |   |   |   |    |       |         |          |       |   |      |
| fingerlings                |   |   |   |    |       |         |          |       |   |      |
| Production of Bee-         |   |   |   |    |       |         |          |       |   |      |
| colonies and wax sheets    |   |   |   |    |       |         |          |       |   |      |
| Small tools and            |   |   |   |    |       |         |          | <br>  |   |      |
| implements                 |   |   |   |    |       |         |          |       |   |      |
| Production of livestock    |   |   |   |    |       |         |          |       |   |      |
|                            |   |   |   |    |       |         |          |       |   |      |
| feed and fodder            |   |   |   |    |       |         |          |       |   |      |
| Production of Fish feed    |   |   |   |    |       |         |          |       |   |      |
| Mushroom Production        |   |   |   | ļl |       |         |          |       |   |      |
| Apiculture                 |   |   |   |    |       |         |          |       |   |      |
| Others (pl specify)        |   |   |   |    |       |         |          |       |   |      |
| Total                      |   |   |   |    |       |         |          |       |   |      |
| X Capacity Building        |   |   |   |    |       |         |          |       |   |      |
| and Group Dynamics         |   |   |   |    |       |         |          |       |   |      |
| Leadership                 |   |   |   |    |       |         |          |       |   |      |
| development                |   |   |   |    |       |         |          |       |   |      |
| Group dynamics             |   |   |   |    |       |         |          |       |   |      |
| Formation and              |   |   |   |    |       |         | <u> </u> |       |   |      |
|                            |   |   |   |    |       |         |          |       |   |      |
| Management of SHGs         |   |   |   |    |       |         |          |       |   |      |
| Mobilization of social     |   |   |   |    |       |         |          |       |   |      |
| capital                    |   |   |   |    |       |         |          |       |   |      |
| Entrepreneurial            |   |   |   |    |       |         |          |       |   |      |
| development of             |   |   |   |    |       |         |          |       |   |      |
| farmers/youths             |   |   |   |    |       |         |          |       |   |      |
| WTO and IPR issues         |   |   |   |    |       |         |          |       |   |      |
| Others (pl specify)        |   |   |   |    |       |         |          |       |   |      |
| Total                      |   |   |   |    |       |         |          |       |   |      |
| XI Agro-forestry           |   |   |   |    |       | <b></b> |          |       |   |      |
| Production technologies    |   |   |   |    |       |         |          |       |   |      |
|                            |   |   |   |    |       |         | -        |       |   |      |
| Nursery management         |   |   |   |    |       |         |          |       |   |      |
| Integrated Farming Systems |   |   |   |    |       |         |          |       |   |      |
| Others (pl specify)        |   |   |   |    |       |         |          |       |   |      |
|                            |   |   |   |    | :     | :       |          | <br>  | : |      |
| Total                      |   |   |   | 1  | ١ .   |         |          |       |   | 1    |
|                            |   |   |   |    |       |         |          |       |   |      |

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

| Thematic area   | Actual Title of | No. of  |          |        |       | I    | Participan | ts       |          |           |       |
|---|-----------------|---------|----------|--------|-------|------|------------|----------|----------|-----------|-------|
| (May be specific to any                                 | training        | courses |          | Others |       |      | SC/ST      |          | (        | Frand Tot | al    |
| given KVK)  | conducted       |         | Male     | Female | Total | Male | Female     | Total    | Male     | Female    | Total |
| I Crop Production                                       |                 |         |          |        |       |      |            |          |          |           |       |
| Weed Management   |                 |         |          |        |       |      |            |          |          |           |       |
| Resource Conservation Technologies                      |                 |         |          |        |       |      |            |          |          |           |       |
| Cropping Systems  |                 |         |          |        |       |      |            |          |          |           |       |
| Crop Diversification                                    |                 |         |          |        |       |      |            |          |          |           |       |
| Integrated Farming                                      |                 |         |          |        |       |      |            |          |          |           |       |
| Micro Irrigation/irrigation                             |                 |         |          |        |       |      |            |          |          |           |       |
| Seed production   |                 |         |          |        |       |      |            |          |          |           |       |
| Nursery management                                      |                 |         |          |        |       |      |            |          |          |           |       |
| Integrated Crop Management                              |                 |         |          |        |       |      |            |          | <u> </u> |           |       |
| Soil & water conservatioin                              |                 |         |          |        |       |      |            |          |          |           |       |
| Integrated nutrient                                     |                 |         |          |        |       |      |            |          |          |           |       |
| management  |                 |         |          |        |       |      |            |          |          |           |       |
| Production of organic inputs                            |                 |         |          |        |       |      |            |          |          |           |       |
| Others (pl specify)                                     |                 |         |          |        |       |      |            |          |          |           |       |
| Total   |                 |         |          |        |       |      |            |          |          |           |       |
| II Horticulture   |                 |         |          |        |       |      |            |          |          |           |       |
| a) Vegetable Crops                                      |                 |         |          |        |       |      |            |          |          |           |       |
| Production of low value and                             |                 |         |          |        |       |      |            |          |          |           |       |
| high valume crops                                       |                 |         |          |        |       |      |            |          |          |           |       |
| Off-season vegetables                                   |                 |         | <u> </u> |        |       |      |            |          |          |           |       |
| Nursery raising   |                 |         |          |        |       |      |            |          |          |           |       |
| Exotic vegetables                                       |                 |         |          |        |       |      |            |          |          |           |       |
| Export potential vegetables Grading and standardization |                 |         |          |        |       |      |            |          |          |           |       |
| Protective cultivation                                  |                 |         |          |        |       |      |            |          |          |           |       |
| Others (pl specify)                                     |                 |         |          |        |       |      |            |          |          |           |       |
| Total (a)   |                 |         |          |        |       |      |            |          |          |           |       |
| b) Fruits   |                 |         |          |        |       |      |            |          |          |           |       |
| Training and Pruning                                    |                 |         |          |        |       |      |            |          |          |           |       |
| Layout and Management of                                |                 |         |          |        |       |      |            |          |          |           |       |
| Orchards  |                 |         |          |        |       |      |            |          |          |           |       |
| Cultivation of Fruit                                    |                 |         |          |        |       |      |            |          |          |           |       |
| Management of young                                     |                 |         |          |        |       |      |            |          |          |           |       |
| plants/orchards   |                 |         |          |        |       |      |            |          |          |           |       |
| Rejuvenation of old orchards                            |                 |         |          |        |       |      |            |          |          |           |       |
| Export potential fruits                                 |                 |         |          |        |       |      |            |          |          |           |       |
| Micro irrigation systems of                             |                 |         |          |        |       |      |            |          |          |           |       |
| orchards  |                 |         |          |        |       |      |            |          |          |           |       |
| Plant propagation techniques                            |                 |         |          |        |       |      |            |          |          |           |       |
| Others (pl specify)                                     |                 |         |          |        |       |      |            |          |          |           |       |
| Total (b)   |                 |         |          |        |       |      |            |          |          |           |       |
| c) Ornamental Plants                                    |                 |         |          |        |       |      |            |          |          |           |       |
| Nursery Management                                      |                 |         |          |        |       |      |            |          |          |           |       |
| Management of potted plants                             |                 |         |          |        |       |      |            |          |          |           |       |
| Export potential of ornamental plants                   |                 |         |          |        |       |      |            |          |          |           |       |
|   |                 |         |          |        |       |      |            |          |          |           |       |
| Propagation techniques of<br>Ornamental Plants          |                 |         |          |        |       |      |            |          |          |           |       |
| Others (pl specify)                                     |                 |         |          |        |       |      |            |          |          |           |       |
| Total (c)   |                 |         | <u> </u> |        |       |      | ļ          |          | <u> </u> | ļ         |       |
| d) Plantation crops                                     |                 |         |          |        |       |      |            |          |          |           |       |
| Production and Management                               |                 |         | <u> </u> |        |       |      |            | <u> </u> |          |           |       |
| technology  |                 |         |          |        |       |      |            |          |          |           |       |
| Processing and value addition                           |                 |         |          |        |       |      |            |          |          |           |       |
| Others (pl specify)                                     |                 |         | •        |        |       |      |            |          |          |           |       |
| Total (d)   |                 |         |          |        |       |      | İ          |          |          | İ         |       |
| e) Tuber crops  |                 |         | <u> </u> |        |       |      |            |          |          |           |       |
| Production and Management                               |                 |         |          |        |       |      |            |          |          |           |       |
| technology  |                 |         |          |        |       |      |            |          |          |           |       |
| Processing and value addition                           |                 |         |          |        |       |      |            |          |          |           |       |
|   |                 | /       |          |        |       |      |            |          |          |           |       |

|   | · · · · · · · · · · · · · · · · · · · | <br>Ţ |       | <br> |   | <br>T | r | 39    |
|---|---------------------------------------|-------|-------|------|---|-------|---|-------|
| Others (pl specify)                             |                                       |       |       |      |   |       |   |       |
| Total (e)                                       |                                       |       |       |      |   |       |   |       |
| f) Spices                                       |                                       |       |       |      |   |       |   |       |
| Production and Management                       |                                       |       |       |      |   |       |   |       |
| technology                                      |                                       | •     |       |      |   |       |   |       |
| Processing and value addition                   |                                       |       |       |      |   |       |   |       |
| Others (pl specify)                             |                                       |       |       |      |   |       |   |       |
| Total (f) g) Medicinal and Aromatic             |                                       |       |       |      |   |       |   |       |
| g) Medicinal and Aromatic<br>Plants             |                                       |       |       |      |   |       |   |       |
| Nursery management                              |                                       |       |       |      |   |       |   |       |
| Production and management                       |                                       |       |       |      |   |       |   |       |
| technology                                      |                                       |       |       |      |   |       |   |       |
| Post harvest technology and                     |                                       |       |       |      |   |       |   |       |
| value addition                                  |                                       |       |       |      |   |       |   |       |
| Others (pl specify)                             |                                       |       |       |      |   |       |   |       |
| Total (g)                                       |                                       |       |       |      |   |       |   |       |
| GT (a-g)  |                                       |       |       |      |   |       |   |       |
| III Soil Health and Fertility                   |                                       | <br>  |       | <br> |   |       |   |       |
| Management                                      |                                       |       |       |      |   |       |   |       |
| Soil fertility management                       |                                       |       |       |      |   |       |   |       |
| Integrated water management                     |                                       |       |       |      |   |       |   |       |
| Integrated Nutrient                             |                                       |       |       |      |   |       |   |       |
| Management                                      |                                       |       |       |      |   |       |   |       |
| Production and use of                           |                                       |       |       |      |   |       |   |       |
| organic inputs                                  |                                       |       |       |      |   |       |   |       |
| Management of Problematic                       |                                       |       |       |      |   |       |   |       |
| soils   |                                       |       |       |      |   |       |   |       |
| Micro nutrient deficiency in                    |                                       |       |       |      |   |       |   |       |
| crops   |                                       |       |       |      |   |       |   |       |
| Nutrient Use Efficiency                         |                                       |       |       |      |   |       |   |       |
| Balance use of fertilizers                      |                                       |       |       |      |   |       |   |       |
| Soil and Water Testing                          |                                       |       |       |      |   |       |   |       |
| Others (pl specify) <b>Total</b>                |                                       |       |       |      |   |       |   |       |
| IV Livestock Production                         |                                       |       |       |      |   |       |   |       |
| and Management                                  |                                       |       |       |      |   |       |   |       |
| Dairy Management                                |                                       |       |       |      |   |       |   |       |
| Poultry Management                              |                                       |       |       |      |   |       |   |       |
| Piggery Management                              |                                       |       |       |      |   |       |   |       |
| Rabbit Management                               |                                       | •     |       |      |   |       |   |       |
| Animal Nutrition                                |                                       |       |       |      |   |       |   |       |
| Management                                      |                                       |       |       |      |   |       |   |       |
| Disease Management                              |                                       |       |       |      |   |       |   |       |
| Feed & fodder technology                        |                                       |       |       |      |   |       |   |       |
| Production of quality animal                    |                                       |       |       |      |   |       |   |       |
| products  |                                       |       |       |      |   |       |   |       |
| Others (pl specify)                             |                                       |       |       |      |   |       |   |       |
| Total   |                                       |       |       |      |   |       |   |       |
| V Home Science/Women                            |                                       |       |       |      |   |       |   |       |
| empowerment                                     |                                       |       |       |      |   |       |   |       |
| Household food security by                      |                                       |       |       |      |   |       |   |       |
| kitchen gardening and                           |                                       |       |       |      |   |       |   |       |
| nutrition gardening                             |                                       |       |       |      |   |       |   |       |
| Design and development of low/minimum cost diet |                                       |       |       |      |   |       |   |       |
| Designing and development                       |                                       |       |       |      |   |       |   |       |
| for high nutrient efficiency                    |                                       |       |       |      |   |       |   |       |
| diet  |                                       |       |       |      |   |       |   |       |
| Minimization of nutrient loss                   |                                       |       |       |      |   |       |   |       |
| in processing                                   |                                       |       |       |      |   |       |   |       |
| Processing and cooking                          |                                       |       |       |      |   |       |   |       |
| Gender mainstreaming                            |                                       |       |       |      |   |       |   |       |
| through SHGs                                    |                                       |       |       |      |   |       |   |       |
| Storage loss minimization                       |                                       | <br>• |       |      |   | •     |   |       |
| techniques                                      |                                       |       |       |      |   |       |   |       |
| Value addition                                  |                                       |       |       |      |   |       |   |       |
| Women empowerment                               |                                       |       |       |      |   |       |   |       |
| Location specific drudgery                      |                                       |       |       |      |   |       |   |       |
|   | <u>i</u>                              | <br>  | ••••• | <br> | • | <br>• |   | ••••• |

|   |   | · · · · · · · · · · · · · · · · · · · |      | r |   | ·       | т | T | 40 |
|---|---|---------------------------------------|------|---|---|---------|---|---|----|
| reduction technologies                              |   |                                       |      |   |   |         |   |   |    |
| Rural Crafts  |   |                                       |      |   |   |         |   |   |    |
| Women and child care                                |   |                                       |      |   |   |         |   |   |    |
| Others (pl specify)                                 |   |                                       |      |   |   |         |   |   |    |
| Total   |   |                                       | <br> |   |   |         |   |   |    |
| VI Agril. Engineering Farm Machinary and its        |   |                                       |      |   |   |         |   |   |    |
| maintenance   |   |                                       |      |   |   |         |   |   |    |
| Installation and maintenance                        |   | •                                     | <br> |   |   |         |   |   |    |
| of micro irrigation systems                         |   |                                       |      |   |   |         |   |   |    |
| Use of Plastics in farming                          |   |                                       |      |   |   |         |   |   |    |
| practices   |   |                                       |      |   |   |         |   |   |    |
| Production of small tools and                       |   |                                       |      |   |   |         |   |   |    |
| implements  |   |                                       |      |   |   |         |   |   |    |
| Repair and maintenance of                           |   |                                       |      |   |   |         |   |   |    |
| farm machinery and                                  |   |                                       |      |   |   |         |   |   |    |
| implements  |   |                                       |      |   |   |         |   |   |    |
| Small scale processing and value addition           |   |                                       |      |   |   |         |   |   |    |
| Post Harvest Technology                             |   |                                       | <br> |   |   |         |   |   |    |
| Others (pl specify)                                 |   |                                       |      |   |   |         |   |   |    |
| Total   |   |                                       |      |   |   |         |   |   |    |
| VII Plant Protection                                |   |                                       |      |   |   |         |   |   |    |
| Integrated Pest Management                          |   |                                       |      |   |   |         |   |   |    |
| Integrated Disease                                  |   |                                       |      |   |   |         |   |   |    |
| Management  |   |                                       |      |   |   |         |   |   |    |
| Bio-control of pests and                            |   |                                       |      |   |   |         |   |   |    |
| diseases  |   |                                       |      |   |   |         |   |   |    |
| Production of bio control                           |   |                                       |      |   |   |         |   |   |    |
| agents and bio pesticides                           |   |                                       |      |   |   |         |   |   |    |
| Others (pl specify)                                 |   |                                       |      |   |   |         |   |   |    |
| Total   |   |                                       |      |   |   |         |   |   |    |
| VIII Fisheries                                      |   |                                       |      |   |   |         |   |   |    |
| Integrated fish farming  Carp breeding and hatchery |   |                                       |      |   |   |         |   |   |    |
| management  |   |                                       |      |   |   |         |   |   |    |
| Carp fry and fingerling                             |   |                                       |      |   |   |         |   |   |    |
| rearing   |   |                                       |      |   |   |         |   |   |    |
| Composite fish culture                              |   |                                       |      |   |   |         |   |   |    |
| Hatchery management and                             |   |                                       |      |   |   |         |   |   |    |
| culture of freshwater prawn                         |   |                                       |      |   |   |         |   |   |    |
| Breeding and culture of                             |   |                                       |      |   |   |         |   |   |    |
| ornamental fishes                                   |   |                                       |      |   |   |         |   |   |    |
| Portable plastic carp hatchery                      |   |                                       |      |   |   |         |   |   |    |
| Pen culture of fish and prawn                       |   |                                       | <br> |   |   |         |   |   |    |
| Shrimp farming                                      |   | ļ                                     | <br> |   |   |         |   |   |    |
| Edible oyster farming Pearl culture                 |   |                                       |      |   |   |         |   |   |    |
| Fish processing and value                           |   |                                       | <br> |   |   |         |   |   |    |
| addition  |   |                                       |      |   |   |         |   |   |    |
| Others (pl specify)                                 |   |                                       |      |   |   | •       |   |   |    |
| Total   |   |                                       |      |   |   |         |   |   |    |
| IX Production of Inputs at                          |   |                                       |      |   |   |         |   |   |    |
| site  |   |                                       |      |   |   |         |   |   |    |
| Seed Production                                     |   |                                       | <br> |   |   |         |   |   |    |
| Planting material production                        |   |                                       |      |   |   |         |   |   |    |
| Bio-agents production                               |   |                                       |      |   |   |         |   |   |    |
| Bio-pesticides production                           |   |                                       |      |   |   |         |   |   |    |
| Bio-fertilizer production                           |   |                                       |      |   |   |         |   |   |    |
| Vermi-compost production Organic manures production |   |                                       |      |   |   |         |   |   |    |
| Production of fry and                               |   |                                       |      |   |   |         |   |   |    |
| fingerlings   |   |                                       |      |   |   |         |   |   |    |
| Production of Bee-colonies                          |   |                                       |      |   |   |         |   |   |    |
| and wax sheets                                      |   |                                       |      |   |   |         |   |   |    |
| Small tools and implements                          |   |                                       |      |   |   | <b></b> | • |   |    |
| Production of livestock feed                        |   |                                       |      |   |   |         |   |   |    |
| and fodder  |   |                                       |      |   |   |         |   |   |    |
| Production of Fish feed                             | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |                                       |      |   |   |         |   |   |    |
|   | <br>                                    |                                       | <br> |   | • |         | • |   |    |

| <u> </u>                       | ······ | <br> | <br>r | · | <br> | · | T |  |
|--------------------------------|--------|------|-------|---|------|---|---|--|
| Mushroom Production            |        |      |       |   |      |   |   |  |
| Apiculture                     |        |      |       |   |      |   |   |  |
| Others (pl specify)            |        |      |       |   |      |   |   |  |
| Total                          |        |      |       |   |      |   |   |  |
| X Capacity Building and        |        |      |       |   |      |   |   |  |
| Group Dynamics                 |        |      |       |   |      |   |   |  |
| Leadership development         |        |      |       |   |      |   |   |  |
| Group dynamics                 |        |      |       |   |      |   |   |  |
| Formation and Management       |        |      |       |   |      |   |   |  |
| of SHGs                        |        |      |       |   |      |   |   |  |
| Mobilization of social capital |        |      |       |   |      |   |   |  |
| Entrepreneurial development    |        |      |       |   |      |   |   |  |
| of farmers/youths              |        |      |       |   |      |   |   |  |
| WTO and IPR issues             |        |      |       |   |      |   |   |  |
| Others (pl specify)            |        |      |       |   |      |   |   |  |
| Total                          |        |      |       |   |      |   |   |  |
| XI Agro-forestry               |        |      |       |   |      |   |   |  |
| Production technologies        |        |      |       |   |      |   |   |  |
| Nursery management             |        |      |       |   |      |   |   |  |
| Integrated Farming Systems     |        |      |       |   |      |   |   |  |
| Others (pl specify)            |        |      |       |   |      |   |   |  |
| Total                          |        |      |       |   |      |   |   |  |
| GRAND TOTAL                    |        |      |       |   |      |   |   |  |

### Farmers' Training including sponsored training programmes – CONSOLIDATED (On + Off campus)

| Thematic area                | Actual Title of | No. of   |      |        |       | I    | Participan | ts    |      |            |       |
|------------------------------|-----------------|----------|------|--------|-------|------|------------|-------|------|------------|-------|
| (May be specific to any      | training        | courses  |      | Others |       |      | SC/ST      |       | (    | Frand Tota | al    |
| given KVK)                   | conducted       |          | Male | Female | Total | Male | Female     | Total | Male | Female     | Total |
| I Crop Production            |                 |          |      |        |       |      |            |       |      |            |       |
| Weed Management              |                 |          |      |        |       |      |            |       |      |            |       |
| Resource Conservation        |                 |          |      |        |       |      |            |       |      |            |       |
| Technologies                 |                 |          |      |        |       |      |            |       |      |            |       |
| Cropping Systems             |                 |          |      |        |       |      |            |       |      |            |       |
| Crop Diversification         |                 |          |      |        |       |      |            |       |      |            |       |
| Integrated Farming           |                 |          |      |        |       |      |            |       |      |            |       |
| Micro Irrigation/irrigation  |                 |          |      |        |       |      |            |       |      |            |       |
| Seed production              |                 |          |      |        |       |      |            |       |      |            |       |
| Nursery management           |                 |          |      |        |       |      |            |       |      |            |       |
| Integrated Crop Management   |                 |          |      |        |       |      |            |       |      |            |       |
| Soil & water conservatioin   |                 |          |      |        |       |      |            |       |      |            |       |
| Integrated nutrient          |                 |          |      |        |       |      |            |       |      |            |       |
| management                   |                 |          |      |        |       |      |            |       |      |            |       |
| Production of organic inputs |                 |          |      |        |       |      |            |       |      |            |       |
| Others (pl specify)          |                 |          |      |        |       |      |            |       |      |            |       |
| Total                        |                 |          |      |        |       |      |            |       |      |            |       |
| II Horticulture              |                 |          | •    |        |       |      |            |       | •    |            |       |
| a) Vegetable Crops           |                 |          |      |        |       |      |            |       |      |            |       |
| Production of low value and  |                 |          |      |        |       |      |            |       | •    |            |       |
| high valume crops            |                 |          |      |        |       |      |            |       |      |            |       |
| Off-season vegetables        |                 |          |      |        |       |      |            |       |      |            |       |
| Nursery raising              |                 |          |      |        |       |      |            |       |      |            |       |
| Exotic vegetables            |                 |          |      |        |       |      |            |       |      |            |       |
| Export potential vegetables  |                 |          |      |        |       |      |            |       |      |            |       |
| Grading and standardization  |                 |          |      |        |       |      |            |       |      |            |       |
| Protective cultivation       |                 |          |      |        |       |      |            |       |      |            |       |
| Others (pl specify)          |                 |          | •    |        |       |      |            |       |      |            |       |
| Total (a)                    |                 |          | •    |        |       |      |            |       |      |            |       |
| b) Fruits                    |                 |          | •    |        |       |      |            |       |      |            | }     |
| Training and Pruning         |                 |          | •    | •      |       | •    | <b>b</b>   |       |      | •          |       |
| Layout and Management of     |                 |          |      |        |       |      |            |       |      |            |       |
| Orchards                     |                 |          |      |        |       |      |            |       |      |            |       |
| Cultivation of Fruit         |                 |          |      |        |       |      |            |       |      |            |       |
| Management of young          |                 |          |      |        |       |      |            |       |      |            |       |
| plants/orchards              |                 |          |      |        |       |      |            |       |      |            |       |
| Rejuvenation of old orchards |                 |          |      |        |       |      | •          |       |      |            |       |
| Export potential fruits      |                 |          |      |        |       |      |            |       |      |            |       |
|                              |                 | <u>k</u> |      |        | L     | 4    |            |       | 4    | . 4        | 4     |

|  |              |      |   |   |      |   |   | 42 |
|--|--------------|------|---|---|------|---|---|----|
| Micro irrigation systems of                            |              |      |   |   |      |   |   |    |
| orchards   |              |      |   |   |      |   |   |    |
| Plant propagation techniques                           |              |      |   |   |      |   |   |    |
| Others (pl specify)                                    |              |      |   |   |      |   |   |    |
| Total (b)  |              |      |   |   |      |   |   |    |
| c) Ornamental Plants                                   | •            | <br> |   |   | <br> |   |   |    |
| Nursery Management                                     |              |      |   |   |      |   |   |    |
| Management of potted plants                            |              |      |   |   |      |   |   |    |
| Export potential of                                    |              |      |   |   |      |   |   |    |
| ornamental plants                                      |              |      |   |   |      |   |   |    |
| Propagation techniques of                              |              |      |   |   |      | • | • |    |
| Ornamental Plants                                      |              |      |   |   |      |   |   |    |
| Others (pl specify)                                    |              |      |   |   |      |   |   |    |
| Total ( c)   |              |      |   |   |      |   |   |    |
| d) Plantation crops                                    |              |      |   |   |      |   |   |    |
| Production and Management                              |              |      |   |   |      |   |   |    |
| technology   |              |      |   |   |      |   |   |    |
| Processing and value addition                          |              |      |   |   |      |   |   |    |
| Others (pl specify)                                    | •            |      |   |   |      | • | • |    |
| Total (d)  | <br>İ        |      |   | İ |      |   |   |    |
| e) Tuber crops   |              |      |   |   |      |   |   |    |
| Production and Management                              |              |      |   | 9 | 9    |   |   |    |
| technology   |              |      |   |   |      |   |   |    |
| Processing and value addition                          |              |      |   |   |      |   |   |    |
| Others (pl specify)                                    |              |      |   |   |      |   |   |    |
| Total (e)  |              |      |   |   |      |   |   |    |
| f) Spices  |              |      |   |   |      |   |   |    |
| Production and Management                              |              |      |   |   |      |   |   |    |
| technology   |              |      |   |   |      |   |   |    |
| Processing and value addition                          |              |      |   |   | <br> | • |   |    |
| Others (pl specify)                                    |              |      |   |   |      |   | • |    |
| Total (f)  |              |      |   |   |      |   |   |    |
| g) Medicinal and Aromatic                              |              |      |   |   |      |   | • |    |
| Plants   |              |      |   |   |      |   |   |    |
| Nursery management                                     |              |      |   |   |      |   |   |    |
| Production and management                              |              |      |   |   |      |   |   |    |
| technology   |              |      |   |   |      |   |   |    |
| Post harvest technology and                            |              |      |   |   |      |   |   |    |
| value addition   |              |      |   |   |      |   |   |    |
| Others (pl specify)                                    |              |      |   |   |      |   |   |    |
| Total (g)  |              |      |   |   |      |   |   |    |
| GT (a-g)   |              |      |   |   |      |   |   |    |
| III Soil Health and Fertility                          |              |      |   |   |      |   |   |    |
| Management   |              |      |   |   |      |   |   |    |
| Soil fertility management                              |              |      |   |   |      |   |   |    |
| Integrated water management                            |              |      |   |   |      |   |   |    |
| Integrated Nutrient                                    |              |      |   |   |      |   |   |    |
| Management   |              |      |   |   |      |   |   |    |
| Production and use of                                  |              | <br> | - |   |      |   |   |    |
| organic inputs   |              |      |   |   |      |   |   |    |
| Management of Problematic                              |              |      |   |   |      |   |   |    |
| soils  |              |      |   | ļ |      |   |   |    |
| Micro nutrient deficiency in                           |              |      |   |   |      |   |   |    |
| crops  |              |      |   |   |      |   |   |    |
| Nutrient Use Efficiency                                |              |      |   |   |      |   |   |    |
| Balance use of fertilizers                             |              |      |   |   |      |   |   |    |
| Soil and Water Testing                                 |              |      |   |   |      |   |   |    |
| Others (pl specify)                                    |              |      |   |   |      |   |   |    |
| Total  | <br><u> </u> |      |   |   |      |   |   |    |
| IV Livestock Production                                |              |      |   |   |      |   |   |    |
| and Management   |              | <br> |   |   |      |   |   |    |
| Dairy Management                                       |              |      |   |   |      |   |   |    |
| Poultry Management                                     |              |      |   |   |      |   |   |    |
| Piggery Management                                     |              |      |   |   |      |   |   |    |
| Rabbit Management                                      |              |      |   |   |      |   |   |    |
| Animal Nutrition                                       |              |      |   |   |      |   |   |    |
| 1  |              |      |   |   |      |   |   | 1  |
| Management   |              |      |   |   |      |   |   |    |
| Management Disease Management Feed & fodder technology |              |      |   |   |      |   |   |    |

| Production of quality animal products  Others (pl specify)  Total  V Home Science/Women empowerment  Household food security by kitchen gardening and nutrition gardening  |  |
|--|--|
| Others (pl specify)  Total  V Home Science/Women empowerment  Household food security by kitchen gardening and nutrition gardening   |  |
| Total  V Home Science/Women empowerment  Household food security by kitchen gardening and nutrition gardening  |  |
| V Home Science/Women empowerment  Household food security by kitchen gardening and nutrition gardening   |  |
| empowerment     Image: Company of the co                           |  |
| Household food security by kitchen gardening and nutrition gardening   |  |
| kitchen gardening and nutrition gardening  |  |
| nutrition gardening  |  |
|  |  |
|  |  |
| Design and development of  |  |
| low/minimum cost diet  |  |
| Designing and development  |  |
| for high nutrient efficiency   |  |
| diet   |  |
| Minimization of nutrient loss  |  |
| in processing  |  |
| Processing and cooking   |  |
| Gender mainstreaming   |  |
| through SHGs   |  |
| Storage loss minimization  |  |
| techniques   |  |
| Value addition   |  |
| Women empowerment  |  |
| Location specific drudgery   |  |
| reduction technologies   |  |
| Rural Crafts Survey Sur |  |
| Women and child care   |  |
| Others (pl specify)  |  |
| Total  |  |
| VI Agril. Engineering  |  |
| Farm Machinary and its   |  |
| maintenance  |  |
| Installation and maintenance   |  |
| of micro irrigation systems  |  |
| Use of Plastics in farming   |  |
| practices  |  |
| Production of small tools and  |  |
| implements   |  |
| Repair and maintenance of  |  |
| farm machinery and   |  |
| implements   |  |
| Small scale processing and   |  |
| value addition   |  |
| Post Harvest Technology  |  |
| Others (pl specify)  |  |
| Total VIV. P. 4 (1)  |  |
| VII Plant Protection   |  |
| Integrated Pest Management   |  |
| Integrated Disease Management  |  |
| Management Bio-control of pests and  |  |
| diseases   |  |
| Production of bio control  |  |
|  |  |
| agents and bio pesticides  Others (pl specify)   |  |
| Total  |  |
| VIII Fisheries   |  |
| Integrated fish farming  |  |
| Carp breeding and hatchery   |  |
| management   |  |
| Carp fry and fingerling  |  |
| rearing  |  |
| Composite fish culture   |  |
|  |  |
| Hatchery management and culture of freshwater prawn  |  |
| Breeding and culture of  |  |
| ornamental fishes  |  |
| <u> </u>   |  |
| Portable plastic carp hatchery Pen culture of fish and prawn   |  |
| 1 CH CURLUIC OF HISH ARRU PLAWII   |  |

|                                | r | r        | ····· | <br>r |          | <br> | T        | T | . 44 |
|--------------------------------|---|----------|-------|-------|----------|------|----------|---|------|
| Shrimp farming                 |   |          |       |       |          |      |          |   |      |
| Edible oyster farming          |   |          |       |       |          |      |          |   |      |
| Pearl culture                  |   |          |       |       |          |      |          |   |      |
| Fish processing and value      |   |          |       |       |          |      |          |   |      |
| addition                       |   |          |       |       |          |      |          |   |      |
| Others (pl specify)            |   |          |       |       |          |      |          |   |      |
| Total                          |   |          |       |       |          |      |          |   |      |
| IX Production of Inputs at     |   |          |       |       |          |      |          |   |      |
| site                           |   |          |       |       |          |      |          |   |      |
| Seed Production                |   |          |       |       |          |      |          |   |      |
| Planting material production   |   |          |       |       |          |      |          |   |      |
| Bio-agents production          |   |          |       |       |          |      |          |   |      |
| Bio-pesticides production      |   |          |       |       |          |      |          |   |      |
| Bio-fertilizer production      |   |          |       |       |          |      |          |   |      |
| Vermi-compost production       |   |          |       |       |          |      |          |   |      |
| Organic manures production     |   |          |       |       |          |      |          |   |      |
| Production of fry and          |   |          |       |       |          |      |          |   |      |
| fingerlings                    |   |          |       |       |          |      |          |   |      |
| Production of Bee-colonies     |   |          |       |       |          |      |          |   |      |
| and wax sheets                 |   |          |       |       |          |      |          |   |      |
| Small tools and implements     |   |          |       |       |          |      |          |   |      |
| Production of livestock feed   |   |          |       |       |          |      |          |   |      |
| and fodder                     |   |          |       |       |          |      |          |   |      |
| Production of Fish feed        |   |          |       |       |          |      |          |   |      |
| Mushroom Production            |   |          |       |       |          |      |          |   |      |
| Apiculture                     |   |          |       |       |          |      |          |   |      |
| Others (pl specify)            |   |          |       |       |          |      |          |   |      |
| Total                          |   |          |       |       |          |      |          |   |      |
| X Capacity Building and        |   |          |       |       |          |      |          |   |      |
| Group Dynamics                 |   |          |       |       |          |      |          |   |      |
| Leadership development         |   |          |       |       |          |      |          |   |      |
| Group dynamics                 |   |          |       |       |          |      |          |   |      |
| Formation and Management       |   |          |       |       |          |      |          |   |      |
| of SHGs                        |   |          |       |       |          |      |          |   |      |
| Mobilization of social capital |   |          |       |       |          |      |          |   |      |
| Entrepreneurial development    |   |          |       |       |          |      |          |   |      |
| of farmers/youths              |   |          |       |       |          |      |          |   |      |
| WTO and IPR issues             |   |          |       |       |          |      |          |   |      |
| Others (pl specify)            |   |          |       |       |          |      |          |   |      |
| Total                          |   |          |       |       |          |      |          |   | -    |
| XI Agro-forestry               |   |          |       |       |          |      |          |   |      |
| Production technologies        |   |          |       |       |          |      |          |   |      |
| Nursery management             |   |          |       |       |          |      |          |   |      |
| Integrated Farming Systems     |   | <u> </u> |       |       |          |      |          |   | ļ    |
| Others (pl specify)            |   |          |       |       |          |      |          |   |      |
| Total                          |   |          |       |       |          |      |          |   |      |
| GRAND TOTAL                    |   | <u> </u> |       |       | <u> </u> |      | <u> </u> |   |      |

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

|                                    | Actual                    |                   |      |         |       | No. of | <sup>·</sup> Participant | s     |      |            |       |
|------------------------------------|---------------------------|-------------------|------|---------|-------|--------|--------------------------|-------|------|------------|-------|
| Thematic area                      | Title of                  |                   |      | General |       |        | SC/ST                    | Ţ     |      | Grand Tota | 1     |
| (May be specific to any given KVK) | training<br>conduct<br>ed | No. of<br>Courses | Male | Female  | Total | Male   | Female                   | Total | Male | Female     | Total |
| Nursery Management of              |                           |                   |      |         |       |        |                          |       |      |            |       |
| Horticulture crops                 |                           |                   |      |         |       |        |                          |       |      |            |       |
| Training and pruning of            |                           |                   |      |         |       |        |                          |       |      |            |       |
| orchards                           |                           |                   |      |         |       |        |                          |       |      |            |       |
| Protected cultivation of           |                           |                   |      |         |       |        |                          |       |      |            |       |
| vegetable crops                    |                           |                   |      |         |       |        |                          |       |      |            |       |
| Commercial fruit production        |                           |                   |      |         |       |        |                          |       |      |            |       |
| Integrated farming                 |                           |                   |      |         |       |        |                          |       |      |            |       |
| Seed production                    |                           |                   |      |         |       |        |                          |       |      |            |       |
| Production of organic inputs       |                           |                   |      |         |       |        |                          |       |      |            |       |
| Planting material production       |                           |                   |      |         |       |        |                          |       |      |            |       |
| Vermi-culture                      |                           |                   |      |         |       |        |                          |       |      |            |       |
| Mushroom Production                |                           |                   |      |         |       |        |                          |       |      |            |       |

|                              | <br> | <br> | <br> | <br>• | 45 |
|------------------------------|------|------|------|-------|----|
| Bee-keeping                  |      |      |      |       |    |
| Sericulture                  |      |      |      |       |    |
| Repair and maintenance of    |      |      |      |       |    |
| farm machinery and           |      |      |      |       |    |
| implements                   |      |      |      |       |    |
| Value addition               |      |      |      |       |    |
| Small scale processing       |      |      |      |       |    |
| Post Harvest Technology      |      |      |      |       |    |
| Tailoring and Stitching      |      |      |      |       |    |
| Rural Crafts                 |      |      |      |       |    |
| Production of quality animal |      |      |      |       |    |
| products                     |      |      |      |       |    |
| Dairying                     |      |      |      |       |    |
| Sheep and goat rearing       |      |      |      |       |    |
| Quail farming                |      |      |      |       |    |
| Piggery                      |      |      |      |       |    |
| Rabbit farming               |      |      |      |       |    |
| Poultry production           |      |      |      |       |    |
| Ornamental fisheries         |      |      |      |       |    |
| Composite fish culture       |      |      |      |       |    |
| Freshwater prawn culture     |      |      |      |       |    |
| Shrimp farming               |      |      |      |       |    |
| Pearl culture                |      |      |      |       |    |
| Cold water fisheries         |      |      |      |       |    |
| Fish harvest and processing  |      |      |      |       |    |
| technology                   |      |      |      |       |    |
| Fry and fingerling rearing   |      |      |      |       |    |
| Any other (pl.specify)       |      |      |      |       |    |
| TOTAL                        |      |      |      |       |    |

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

|                                    | Actual                    |                   |      |         |       | No. of   | f Participant | ts    |      |            |       |
|------------------------------------|---------------------------|-------------------|------|---------|-------|----------|---------------|-------|------|------------|-------|
| Thematic area                      | Title of                  |                   |      | General | 7     |          | SC/ST         | 7     |      | Grand Tota | 1     |
| (May be specific to any given KVK) | training<br>conduct<br>ed | No. of<br>Courses | Male | Female  | Total | Male     | Female        | Total | Male | Female     | Total |
| Nursery Management of              |                           |                   |      |         |       |          |               |       |      |            |       |
| Horticulture crops                 |                           |                   |      |         |       |          |               |       |      |            |       |
| Training and pruning of orchards   |                           |                   |      |         |       |          |               |       |      |            |       |
| Protected cultivation of           |                           |                   |      |         |       |          |               |       |      |            |       |
| vegetable crops                    |                           |                   |      |         |       |          |               |       |      |            |       |
| Commercial fruit production        |                           |                   |      |         |       |          |               |       |      |            |       |
| Integrated farming                 |                           |                   |      |         |       | •        |               |       |      |            |       |
| Seed production                    |                           |                   |      |         |       | •        |               |       |      |            |       |
| Production of organic inputs       |                           |                   |      |         |       | <u> </u> |               |       |      |            |       |
| Planting material production       |                           |                   |      |         |       | •        |               |       | •    |            |       |
| Vermi-culture                      |                           |                   |      |         |       |          |               |       |      |            |       |
| Mushroom Production                |                           |                   |      |         | •     |          |               |       | •    |            |       |
| Bee-keeping                        |                           |                   |      |         |       |          |               |       |      |            |       |
| Sericulture                        |                           |                   |      |         |       |          |               |       |      |            |       |
| Repair and maintenance of          |                           |                   |      |         |       |          |               |       |      |            |       |
| farm machinery and                 |                           |                   |      |         |       |          |               |       |      |            |       |
| implements                         |                           |                   |      |         |       |          |               |       |      |            |       |
| Value addition                     |                           |                   |      |         |       |          |               |       |      |            |       |
| Small scale processing             |                           |                   |      |         |       |          |               |       |      |            |       |
| Post Harvest Technology            |                           |                   |      |         |       |          |               |       |      |            |       |
| Tailoring and Stitching            |                           |                   |      |         |       |          |               |       |      |            |       |
| Rural Crafts                       |                           |                   |      |         |       |          |               |       |      |            |       |
| Production of quality animal       |                           |                   |      |         |       |          |               |       |      |            |       |
| products                           |                           |                   |      |         |       |          |               |       |      |            | ĺ     |
| Dairying                           |                           |                   |      |         |       |          |               |       |      |            |       |
| Sheep and goat rearing             |                           |                   |      |         |       |          |               |       |      |            |       |
| Quail farming                      |                           |                   |      |         |       |          |               |       |      |            |       |
| Piggery                            |                           |                   |      |         |       |          |               |       |      |            |       |
| Rabbit farming                     |                           |                   |      |         |       |          |               |       |      |            |       |
| Poultry production                 |                           |                   |      |         |       |          |               |       |      |            |       |
| Ornamental fisheries               |                           |                   |      |         |       |          |               |       |      |            | [     |

| Composite fish culture      |  |  |  |  |  |  |
|-----------------------------|--|--|--|--|--|--|
| Freshwater prawn culture    |  |  |  |  |  |  |
| Shrimp farming              |  |  |  |  |  |  |
| Pearl culture               |  |  |  |  |  |  |
| Cold water fisheries        |  |  |  |  |  |  |
| Fish harvest and processing |  |  |  |  |  |  |
| technology                  |  |  |  |  |  |  |
| Fry and fingerling rearing  |  |  |  |  |  |  |
| Any other (pl.specify)      |  |  |  |  |  |  |
| TOTAL                       |  |  |  |  |  |  |

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

|  | Actual                    |                   |      |         |       | No. of   | f Participant | S     |      |            |       |
|--|---------------------------|-------------------|------|---------|-------|----------|---------------|-------|------|------------|-------|
| Thematic area                            | Title of                  |                   |      | General |       |          | SC/ST         | •     |      | Grand Tota | ]     |
| (May be specific to any given KVK)       | training<br>conduct<br>ed | No. of<br>Courses | Male | Female  | Total | Male     | Female        | Total | Male | Female     | Total |
| Nursery Management of                    |                           |                   |      |         |       |          |               |       |      |            |       |
| Horticulture crops                       |                           |                   |      |         |       |          |               |       |      |            |       |
| Training and pruning of orchards         |                           |                   |      |         |       |          |               |       |      |            |       |
| Protected cultivation of vegetable crops |                           |                   |      |         |       |          |               |       |      |            |       |
| Commercial fruit production              |                           |                   |      |         | •     |          |               | •     |      |            | •     |
| Integrated farming                       |                           |                   |      |         |       |          |               |       |      |            |       |
| Seed production                          |                           |                   |      |         |       |          | •             |       |      |            | •     |
| Production of organic inputs             |                           |                   |      |         |       |          |               |       |      |            |       |
| Planting material production             |                           |                   |      |         |       |          |               |       |      |            |       |
| Vermi-culture                            |                           |                   |      |         |       |          |               |       |      |            |       |
| Mushroom Production                      |                           |                   |      |         |       |          |               |       |      |            |       |
| Bee-keeping                              |                           |                   |      |         |       |          |               |       |      |            |       |
| Sericulture                              |                           |                   |      |         | •     | <u> </u> | <u> </u>      |       |      |            |       |
| Repair and maintenance of                |                           |                   |      |         |       |          |               |       |      |            |       |
| farm machinery and implements            |                           |                   |      |         |       |          |               |       |      |            |       |
| Value addition                           |                           |                   |      |         |       |          |               |       |      |            |       |
| Small scale processing                   |                           |                   |      |         |       |          |               |       |      |            |       |
| Post Harvest Technology                  |                           |                   |      |         |       |          |               |       |      |            |       |
| Tailoring and Stitching                  |                           |                   |      |         |       |          |               |       |      |            |       |
| Rural Crafts                             |                           |                   |      |         |       |          |               |       |      |            |       |
| Production of quality animal             |                           |                   |      |         |       |          |               |       |      |            |       |
| products                                 |                           |                   |      |         |       |          |               |       |      |            |       |
| Dairying                                 |                           |                   |      |         |       |          |               |       |      |            |       |
| Sheep and goat rearing                   |                           |                   |      |         |       |          |               |       |      |            |       |
| Quail farming                            |                           |                   |      |         |       |          | ļ             |       |      |            |       |
| Piggery                                  |                           |                   |      |         |       |          |               |       |      |            |       |
| Rabbit farming                           |                           |                   |      |         |       |          |               |       |      |            |       |
| Poultry production                       |                           |                   |      |         |       |          |               |       |      |            |       |
| Ornamental fisheries                     |                           |                   |      |         |       |          |               |       |      |            |       |
| Composite fish culture                   |                           |                   |      |         |       |          |               |       |      |            |       |
| Freshwater prawn culture                 |                           |                   |      |         |       |          |               |       |      |            |       |
| Shrimp farming                           |                           |                   |      |         |       |          |               |       |      |            |       |
| Pearl culture                            |                           |                   |      |         |       |          |               |       |      |            |       |
| Cold water fisheries                     |                           |                   |      |         |       |          |               |       |      |            |       |
| Fish harvest and processing technology   |                           |                   |      |         |       |          |               |       |      |            |       |
| Fry and fingerling rearing               |                           |                   |      |         |       |          |               |       |      |            |       |
| Any other (pl.specify)                   |                           |                   |      |         |       |          |               |       |      |            |       |
| TOTAL                                    |                           |                   |      |         |       |          |               |       |      |            |       |

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

|   | Actual Title of training conducted |                   | No. of Participants                     |         |  |      |        |       |          |         |       |  |
|---|------------------------------------|-------------------|---|---------|--|------|--------|-------|----------|---------|-------|--|
|   | conducted                          |                   | (                                       | Jeneral | ······································ |      | SC/ST  |       | Gı       | and Tot | tal   |  |
| Thematic area (May be specific to any given KVK)      |                                    | No. of<br>Courses | 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)                                |                                    |                   |   |         |  |      |        |       | <u>-</u> |         |       |  |
| TOTAL   |                                    |                   | • · · · · · · · · · · · · · · · · · · · |         |  |      |        |       |          |         |       |  |

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

|   | Actual Title of training conducted |                   | No. of Participants |        |       |       |        |       |      |         |         |  |
|---|------------------------------------|-------------------|---------------------|--------|-------|-------|--------|-------|------|---------|---------|--|
|   | conducted                          |                   | General             |        |       | SC/ST |        |       | Gı   | rand To | al      |  |
| Thematic area<br>(May be specific to any given KVK)   |                                    | No. of<br>Courses | 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)                                |                                    |                   |                     |        |       |       |        |       |      |         |         |  |
| TOTAL   |                                    |                   |                     |        |       |       |        |       |      |         | <u></u> |  |

# $\label{eq:constraining} Training\ programmes\ for\ Extension\ Personnel\ including\ sponsored\ training\ programmes\ -\ CONSOLIDATED\ (On+Off\ campus)$

| Actual Title of training conducted                    |           |                   | No. of Participants |         |       |      |        |       |      |          |       |  |
|---|-----------|-------------------|---------------------|---------|-------|------|--------|-------|------|----------|-------|--|
|   | conducted |                   | (                   | Jeneral |       |      | SC/ST  |       | G    | rand Tot | al    |  |
| Thematic area (May be specific to any given KVK)      |           | No. of<br>Courses | 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)                                |           |                   |                     |         |       |      |        |       |      |          |       |  |
| TOTAL   |           |                   |                     |         |       |      |        |       |      |          |       |  |

### Table. Sponsored training programmes

|   | Actual Title of training | No. of<br>Courses |      |         |       | No. o | f Partic | ipants |      |         |        |
|---|--------------------------|-------------------|------|---------|-------|-------|----------|--------|------|---------|--------|
| Thematic area                                   | conducted                |                   | (    | General | I     |       | SC/ST    |        |      | Grand T | otal . |
| (May be specific to any given KVK)              |                          |                   | Male | Female  | Total | Male  | Female   | Total  | Male | Female  | Total  |
| Crop production and management                  |                          |                   |      |         |       |       |          |        |      |         |        |
| Increasing production and productivity of crops |                          |                   |      |         |       |       |          |        |      |         |        |
| Commercial production of vegetables             |                          |                   |      |         |       |       |          |        |      |         |        |
| Production and value addition                   |                          |                   |      |         |       |       |          |        |      |         |        |
| Fruit Plants                                    |                          |                   |      |         | •     | •     |          |        | •    |         | •      |
| Ornamental plants                               |                          |                   |      |         |       |       |          |        |      |         |        |
| Spices crops                                    |                          |                   |      |         |       |       |          |        |      |         |        |
| Soil health and fertility management            |                          |                   |      |         |       |       |          |        |      |         |        |
| Production of Inputs at site                    |                          |                   |      |         |       |       |          |        |      |         |        |
| Methods of protective cultivation               |                          |                   |      |         |       |       |          |        |      |         |        |
| Others (pl. specify)                            |                          |                   |      |         |       |       |          |        |      |         |        |
| Total   |                          |                   |      |         |       |       |          |        |      |         |        |
| Post harvest technology and value addition      |                          |                   |      |         |       |       |          |        |      |         |        |
| Processing and value addition                   |                          |                   |      |         |       |       |          |        |      |         |        |
| Others (pl. specify)                            |                          |                   |      |         | •     |       |          |        | •    |         |        |

|                          | <br> | <br> | <br>····· | <br> | <br> | 49 |
|--------------------------|------|------|-----------|------|------|----|
| Total                    |      |      |           |      |      |    |
| Farm machinery           |      |      |           |      |      |    |
| Farm machinery, tools    |      |      |           |      |      |    |
| and implements           |      |      |           |      |      |    |
| Others (pl. specify)     |      |      |           |      |      |    |
| Total                    |      |      |           |      |      |    |
| Livestock and fisheries  |      |      |           |      |      |    |
| Livestock production and |      |      |           |      |      |    |
| management               |      |      |           |      |      |    |
| Animal Nutrition         |      |      |           |      |      |    |
| Management               |      |      |           |      |      |    |
| Animal Disease           |      |      |           |      |      |    |
| Management               |      |      |           |      |      |    |
| Fisheries Nutrition      |      |      |           |      |      |    |
| Fisheries Management     |      |      |           |      |      |    |
| Others (pl. specify)     |      |      |           |      |      |    |
| Total                    |      |      |           |      |      |    |
| Home Science             |      |      |           |      |      |    |
| Household nutritional    |      |      |           |      |      |    |
| security                 |      |      |           |      |      |    |
| Economic empowerment     |      |      |           |      |      |    |
| of women                 |      |      |           |      |      |    |
| Drudgery reduction of    |      |      |           |      |      |    |
| women                    |      |      |           |      |      |    |
| Others (pl. specify)     |      |      |           |      |      |    |
| Total                    |      |      |           |      |      |    |
| Agricultural Extension   |      |      |           |      |      |    |
| Capacity Building and    |      |      |           |      |      |    |
| Group Dynamics           |      |      |           |      |      |    |
| Others (pl. specify)     |      |      |           |      |      |    |
| Total                    |      |      |           |      |      |    |
| GRAND TOTAL              |      |      |           |      |      |    |

### Name of sponsoring agencies involved

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

| Details of vocational                                  | Actual Title of training conducted |                   |      | <i>y</i> |       |      | of Partic |       |      |          |       |
|--|------------------------------------|-------------------|------|----------|-------|------|-----------|-------|------|----------|-------|
|  | training conducted                 |                   |      | General  |       |      | SC/ST     |       | G    | rand Tot | al    |
| Thematic area<br>(May be specific to any<br>given KVK) |                                    | No. of<br>Courses | Male | Female   | Total | Male | Female    | Total | Male | Female   | Total |
| Crop production and management                         |                                    |                   |      |          |       |      |           |       |      |          |       |
| Commercial floriculture                                |                                    |                   |      |          |       |      |           |       |      |          |       |
| Commercial fruit production                            |                                    |                   |      |          |       |      |           |       |      |          |       |
| Commercial vegetable                                   |                                    |                   |      |          |       |      |           |       |      |          |       |
| production   |                                    |                   |      |          |       |      |           |       |      |          |       |
| Integrated crop management                             |                                    |                   |      |          |       |      |           |       |      |          |       |
| Organic farming  |                                    |                   |      |          |       |      |           |       |      |          |       |
| Others (pl. specify)                                   |                                    |                   |      |          |       |      |           |       |      |          |       |
| Total  |                                    |                   |      |          |       |      |           |       |      |          |       |
| Post harvest technology and                            |                                    |                   |      |          |       |      |           |       |      |          |       |
| value addition   |                                    |                   |      |          |       |      |           |       |      |          |       |
| Value addition   |                                    |                   |      |          |       |      |           |       |      |          |       |
| Others (pl. specify)                                   |                                    |                   |      |          |       |      |           |       |      |          |       |
| Total  |                                    |                   |      |          |       |      |           |       |      |          |       |
| Livestock and fisheries                                |                                    |                   |      |          |       |      |           |       |      |          |       |
| Dairy farming  |                                    |                   |      |          |       |      |           |       |      |          |       |
| Composite fish culture                                 |                                    |                   |      |          |       |      |           |       |      |          |       |
| Sheep and goat rearing                                 |                                    |                   |      |          |       |      |           |       |      |          |       |
| Piggery  |                                    |                   |      |          |       |      |           |       |      |          |       |
| Poultry farming  |                                    |                   |      |          |       |      |           |       |      |          |       |
| Others (pl. specify)                                   |                                    |                   |      |          |       |      |           |       |      |          |       |
| Total  |                                    |                   |      |          |       |      |           |       |      |          |       |
| Income generation activities                           |                                    |                   |      |          |       |      |           |       |      |          |       |
| Vermicomposting  |                                    |                   |      |          |       |      |           |       |      |          |       |

|                                |  |  | <br> |  | <br> |  |
|--------------------------------|--|--|------|--|------|--|
| Production of bio-agents, bio- |  |  |      |  |      |  |
| pesticides,                    |  |  |      |  |      |  |
| bio-fertilizers etc.           |  |  |      |  |      |  |
| Repair and maintenance of      |  |  |      |  |      |  |
| farm machinery                 |  |  |      |  |      |  |
| and implements                 |  |  |      |  |      |  |
| Rural Crafts                   |  |  |      |  |      |  |
| Seed production                |  |  |      |  |      |  |
| Sericulture                    |  |  |      |  |      |  |
| Mushroom cultivation           |  |  |      |  |      |  |
| Nursery, grafting etc.         |  |  |      |  |      |  |
| Tailoring, stitching,          |  |  |      |  |      |  |
| embroidery, dying etc.         |  |  |      |  |      |  |
| Agril. para-workers, para-vet  |  |  |      |  |      |  |
| training                       |  |  |      |  |      |  |
| Others (pl. specify)           |  |  |      |  |      |  |
| Total                          |  |  |      |  |      |  |
| Agricultural Extension         |  |  |      |  |      |  |
| Capacity building and group    |  |  |      |  |      |  |
| dynamics                       |  |  |      |  |      |  |
| Others (pl. specify)           |  |  |      |  |      |  |
| Total                          |  |  |      |  |      |  |
| Grand Total                    |  |  |      |  |      |  |

# VII. Extension Programmes

|                                    | -                 | ,              |                                  |       |
|------------------------------------|-------------------|----------------|----------------------------------|-------|
| Activities                         | No. of programmes | No. of farmers | No. of<br>Extension<br>Personnel | TOTAL |
| Advisory Services                  |                   |                |                                  |       |
| Diagnostic visits                  |                   |                |                                  |       |
| Field Day                          |                   |                |                                  |       |
| Group discussions                  |                   |                |                                  |       |
| Kisan Ghosthi                      |                   |                |                                  |       |
| Film Show                          |                   |                |                                  |       |
| Self -help groups                  |                   |                |                                  |       |
| Kisan Mela                         |                   |                |                                  |       |
| Exhibition                         |                   |                |                                  |       |
| Scientists' visit to farmers field |                   |                |                                  |       |
| Plant/animal health camps          |                   |                |                                  |       |
| Farm Science Club                  |                   |                |                                  |       |
| Ex-trainees Sammelan               |                   |                |                                  |       |
| Farmers' seminar/workshop          |                   |                |                                  |       |
| Method Demonstrations              |                   |                |                                  |       |
| Celebration of important days      |                   |                |                                  |       |
| Special day celebration            |                   |                |                                  |       |
| Exposure visits                    |                   |                |                                  |       |
| Others (pl. specify)               |                   |                |                                  |       |
| Total                              |                   |                |                                  |       |

**Details of other extension programmes** 

| Particulars Particulars                        | Number |
|--|--------|
| Electronic Media (CD./DVD)                     |        |
| Extension Literature                           |        |
| News paper coverage                            |        |
| Popular articles                               |        |
| Radio Talks                                    |        |
| TV Talks                                       |        |
| Animal health amps (Number of animals treated) |        |
| Others (pl. specify)                           |        |
| Total  |        |

**Mobile Advisory Services** 

|             |                                 | Type of Messages |           |         |            |            |                  |       |  |  |  |  |  |
|-------------|---------------------------------|------------------|-----------|---------|------------|------------|------------------|-------|--|--|--|--|--|
| Name of KVK | Message Type                    | Crop             | Livestock | Weather | Marke-ting | Aware-ness | Other enterprise | Total |  |  |  |  |  |
|             | Text only                       |                  |           |         |            |            |                  |       |  |  |  |  |  |
|             | Voice only                      |                  |           |         |            |            |                  |       |  |  |  |  |  |
|             | Voice & Text both               |                  |           |         |            |            |                  |       |  |  |  |  |  |
|             | <b>Total Messages</b>           |                  |           |         |            |            |                  |       |  |  |  |  |  |
|             | <b>Total farmers Benefitted</b> |                  |           |         |            |            |                  |       |  |  |  |  |  |

### VIII. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

| Number of KVKs organised<br>Technology Week | Types of Activities                      | No. of<br>Activities | Number of<br>Participants | Related crop/livestock technology |
|---|--|----------------------|---------------------------|-----------------------------------|
|   | Gosthies                                 |                      |                           |                                   |
|   | 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)                      |                      |                           |                                   |
|   | Distribution of fingerlings              |                      |                           |                                   |
|   | Distribution of Livestock specimen (No.) |                      |                           |                                   |
|   | Total number of farmers visited the      |                      |                           |                                   |
|   | technology week                          |                      |                           |                                   |

# IX. 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<br>(q) | Value<br>(Rs) | Number of farmers |
|------------------|------------------|---------------------|--------------------|-------------------------|---------------|-------------------|
| Cereals          |                  |                     |                    |                         |               |                   |
|                  |                  |                     |                    |                         |               |                   |
| Oilseeds         |                  |                     |                    |                         |               |                   |
|                  |                  |                     |                    |                         |               |                   |
| Pulses           |                  |                     |                    |                         |               |                   |
|                  |                  |                     |                    |                         |               |                   |
| Commercial crops |                  |                     |                    |                         |               |                   |
|                  |                  |                     |                    |                         |               |                   |
| Vegetables       |                  |                     |                    |                         |               |                   |
|                  |                  |                     |                    |                         |               |                   |
| Flower crops     |                  |                     |                    |                         |               |                   |
| 1 lower crops    |                  |                     |                    |                         |               |                   |

| <br>· | *************************************** | r | * |  |
|-------|---|---|---|--|
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### Production of planting materials by the KVKs

| Стор                   | Name of the crop | Name of the variety | Name of the<br>hybrid                   | Number | Value (Rs.) | Number of farmers |
|------------------------|------------------|---------------------|---|--------|-------------|-------------------|
| Commercial             |                  |                     | *************************************** |        |             |                   |
|                        |                  |                     |   |        |             | <u> </u>          |
|                        |                  |                     |   |        |             |                   |
| Vegetable seedlings    |                  |                     |   |        |             |                   |
| vegetable securings    |                  |                     |   |        |             |                   |
|                        |                  |                     |   |        |             |                   |
| Fruits                 |                  |                     |   |        |             |                   |
| Fiuits                 |                  |                     |   |        |             |                   |
|                        |                  |                     |   |        |             |                   |
| O . 1 1                |                  |                     |   |        |             |                   |
| Ornamental plants      |                  |                     |   |        |             |                   |
|                        |                  |                     |   |        |             | <u> </u>          |
|                        |                  |                     |   |        |             | <u> </u>          |
| Medicinal and Aromatic |                  |                     |   |        |             |                   |
|                        |                  |                     |   |        |             | 1                 |
|                        |                  |                     |   |        |             | 1                 |
| Plantation             |                  |                     |   |        |             |                   |
|                        |                  |                     |   |        |             |                   |
|                        |                  |                     |   |        |             |                   |
| Spices                 |                  |                     |   |        |             |                   |
|                        |                  |                     |   |        |             |                   |
|                        |                  |                     |   |        |             |                   |
| Tuber                  |                  |                     |   |        |             |                   |
|                        |                  |                     |   |        |             | <u> </u>          |
|                        |                  |                     |   |        |             |                   |
| Fodder crop saplings   |                  | <u> </u>            | <u> </u>                                |        |             |                   |
| r odder erop sapnings  |                  |                     |   |        |             |                   |
|                        |                  |                     |   |        |             | <u> </u>          |
| Forest Species         |                  |                     |   |        |             | <u> </u>          |
| Forest Species         |                  | <u> </u>            | <u> </u>                                |        |             | <u> </u>          |
|                        |                  |                     |   |        |             | 1                 |
| 0.1                    |                  |                     |   |        |             | <u> </u>          |
| Others                 |                  |                     |   |        |             | <u> </u>          |
|                        |                  |                     |   |        |             | <u> </u>          |
|                        |                  |                     |   |        |             | <u> </u>          |
| Total                  |                  |                     |   |        |             |                   |

#### **Production of Bio-Products**

| i e             | · | Quantity |             |                |
|-----------------|---|----------|-------------|----------------|
| Bio Products    |   | Kg       | Value (Rs.) | No. of Farmers |
| Bio Fertilisers |   |          |             |                |
|                 |   |          |             |                |
|                 |   |          |             |                |
| Bio-pesticide   |   |          |             |                |
|                 |   |          |             |                |
|                 |   |          |             |                |
| Bio-fungicide   |   |          |             |                |
|                 |   |          |             |                |
|                 |   |          |             |                |
| Bio Agents      |   |          |             |                |
|                 |   |          |             |                |
|                 |   |          |             |                |
| Others          |   |          |             |                |
|                 |   |          |             |                |
|                 |   |          |             |                |
| Total           |   |          |             |                |

#### **Table: Production of livestock materials**

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

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

| Samples             | No. of Samples | No. of Farmers | No. of Villages | Amount realized (Rs.) |
|---------------------|----------------|----------------|-----------------|-----------------------|
| Soil                |                |                |                 |                       |
| Water               |                |                |                 |                       |
| Plant               |                |                |                 |                       |
| Manure              |                |                |                 |                       |
| Others (pl.specify) |                |                |                 |                       |
|                     |                |                |                 |                       |
| Total               |                |                |                 |                       |

### XI. SCIENTIFIC ADVISORY COMMITTEE

| Name of KVK | Number of SACs conducted | Date of SAC |
|-------------|--------------------------|-------------|
|             |                          |             |
|             |                          |             |
|             |                          |             |
|             |                          |             |
|             |                          |             |
|             |                          |             |
|             |                          |             |

### XII. NEWSLETTER/MAGAZINE

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

### XIII. PUBLICATIONS

| Category             | Number |
|----------------------|--------|
| Books                |        |
| Technical bulletins  |        |
| Research Paper       |        |
| Lead Papers          |        |
| Book Chapters        |        |
| Popular Articles     |        |
| Newsletters          |        |
| Technical reports    |        |
| Others (pl. specify) |        |
|                      |        |
|                      |        |
|                      |        |

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

|    | Activities conducted       |                        |                                 |                  |                    |  |  |  |  |  |
|----|----------------------------|------------------------|---------------------------------|------------------|--------------------|--|--|--|--|--|
|    | No. of Training programmes | No. of Demonstration s | No. of plant materials produced | Visit by farmers | Visit by officials |  |  |  |  |  |
|    |                            |                        |                                 | (No.)            | (No.)              |  |  |  |  |  |
|    |                            |                        |                                 |                  |                    |  |  |  |  |  |
| ı, |                            |                        |                                 |                  |                    |  |  |  |  |  |
| ı. |                            |                        |                                 |                  |                    |  |  |  |  |  |

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

| ľ | ntroc | luci | 10n | ot | al | terr | ıate | cr | 0 | ps, | V | arı | et | 1e: | S |
|---|-------|------|-----|----|----|------|------|----|---|-----|---|-----|----|-----|---|
|   |       |      |     |    |    |      |      |    |   |     |   |     |    |     |   |

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

Major area coverage under alternate crops/varieties

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

Farmers-scientists interaction on livestock management

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

Animal health camps organised

| Number of camps | No.of animals | No.of farmers |
|-----------------|---------------|---------------|
|                 |               |               |
|                 |               |               |
| Total           |               |               |

Seed distribution in drought hit states

| Crops | Quantity (qtl) | Coverage of area (ha) | Number of farmers |
|-------|----------------|-----------------------|-------------------|
|       |                |                       |                   |
|       |                |                       |                   |
| Total |                |                       |                   |

Large scale adoption of resource conservation technologies

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

Awareness campaign

|       | Meetings |         | Gosthies | nies    |     | Field days |     | Farmers fair |     | Exhibition |     | Film show |  |
|-------|----------|---------|----------|---------|-----|------------|-----|--------------|-----|------------|-----|-----------|--|
|       | No.      | No.of   | No.      | No.of   | No. | No.of      | No. | No.of        | No. | No.of      | No. | No.of     |  |
|       |          | farmers |          | farmers |     | farmers    |     | farmers      |     | farmers    |     | farmers   |  |
|       |          |         |          |         |     |            |     |              |     |            |     |           |  |
|       |          |         |          |         |     |            |     |              |     |            |     |           |  |
| Total |          |         |          |         |     |            |     |              |     |            |     |           |  |

### XVI. 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<br>involved |
|-----------------|----------------------------------|------------------|---------------------|-------------------------|
|                 |                                  |                  |                     |                         |
|                 |                                  |                  |                     |                         |
| Total           |                                  |                  |                     |                         |

B. HRD activities organized in identified areas for KVK staff by ATARI

| Title of the training programmes | No of programmes | No. of Participants | No. of KVKs involved |
|----------------------------------|------------------|---------------------|----------------------|
|                                  |                  |                     |                      |
|                                  |                  |                     |                      |
|                                  |                  |                     |                      |
| Total                            |                  |                     |                      |

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

- a) 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
- b) 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
- c) 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

Name of the KVK

TITLE

Introduction

**KVK** intervention

**Output** 

**Outcome** 

**Impact** 

### Sample KVK Case study

NDR-8501 becoming popular in farmers' for their yielding trait: Ghazipur

**Situation analysis/ Problem statements:-** Mr. Sanjay Singh, village Khajurgaon, Post:Indore block:Mardah, district:Ghazipur, a farmer who was selected for this demonstration. He was earlier involved with local variety of mustard Pusa Bold or Varuna. These varieties were low in yield

**Plan, Implement and Support:-** KVK Ghazipur tries to make them aware regarding scientific cultivation of mustard. That starts from land preparation to harvesting. This KVK has encouraged the farmer for soil testing and on the basis of that farmer was advised for balanced dose of chemical fertilizer with high yielding varieties Pusa Tarak. That was sown on 01-11-2016 with line sowing and fertilizer application was done with basal application in which half dose of nitrogen full dose of SSP and full dose of MOP as recommended. Rest nitrogen used after first irrigation.

**Output:-** Mr. Sanjay Singh adopted the the balanced dose of chemical, fertilizer (N:P:K:S::150:40:40:30) kg/ha in mustard crop as per suggestion of KVK's scientist for his 0.25ha land. His local yield was 3.85 qt with recommended technology. His yield increased by 33.76% with yield 5.15 qt. The economical gain in terms of per unit expenditure gross income, net return and BCR are recorded. Rs 6975, Rs. 18857, Rs. 11882 and 2.70 correspondingly.

**Outcome:-** Mustard crop is the major oilseed crop of the district. KVK Ghazipur conducted 322 demonstrations in 87 villages during 2004-05 to 2016-17 in an area of 89 ha at farmers' field with using HYV NDR-8501, Pusa Tarak and balanced dose of chemical fertilizer (N:P:K:S::150:40:40:30) kg/ha. This variety has been disseminated in 170 villages of the district in area of approximately 900ha. The outcome of this demonstration motivated the farming communities to replace their old varieties, non-descriptive varieties. Mr. Sanjay Singh is very happy on improvement in their income, livelihood and set forth example for others.

**Impact:-** Mr. Sanjay Singh is becoming one of the progressive and learned farmers for others with regards to popularization of Pusa Tarak. This technology helps him for livelihood, empowerment and make him enthusiastic regards oilseed production. He is one of the progressive farmer after a becoming a part of KVK activities and get their effectiveness for his own development. Mr. Sanjay Singh is very happy with this improved production and management technology and set forth example for other farmers of the district.



A farmers with KVK's scientist



**Mustard Crop Pusa Tarak** 

# **XIX Achievement of Special programmes**

# 1) Achievement of skill development training funded by DAC&FW

| S.  |  |   | Duration | No. of    |      |        | No.  | of Parti | cipant | S      |       |
|-----|--|---|----------|-----------|------|--------|------|----------|--------|--------|-------|
| No. | SubSector*   | QP Name *   | (hrs)    | Courses   | SC   | s/STs  | Ot   | hers     | To     | otal   | TOTAL |
|     |  |   |          | Organized | Male | Female | Male | Female   | Male   | Female |       |
| 1   | Agriculture Crop Production                              | Jute and Mesta Cultivator   | 200      |           |      |        |      |          |        |        |       |
| 2   | Agriculture Crop Production                              | Vineyard Grower   | 200      |           |      |        |      |          |        |        |       |
| 3   | Agriculture Crop Production                              | Vineyard Worker   | 200      |           |      |        |      |          |        |        |       |
| 4   | Agriculture Crop Production                              | Makhana Grower cum Processor  | 200      |           |      |        |      |          |        |        |       |
| 5   | Agriculture Crop Production                              | Temperate Fruit Grower (Options: Apple / Pear, Peach and Plum / Kiwi)   | 200      |           |      |        |      |          |        |        |       |
| 6   | Agriculture Crop Production                              | Orchard Worker (Options: Trainer-<br>Pruner / Machine Operator -<br>Landscape)  | 200      |           |      |        |      |          |        |        |       |
| 7   | Agriculture Crop Production                              | Vegetable Grower  | 200      |           |      |        |      |          |        |        |       |
| 8   | Agriculture Crop Production                              | Spice Crop Cultivator (Electives:<br>Herbal Spices/Seed Spices/Tree<br>Spices/Rhizomatous Spices/Oil<br>Yielding Spices/Pod (Cardamom)<br>Spices) | 200      |           |      |        |      |          |        |        |       |
| 9   | Agriculture Crop Production                              | Nursery Worker  | 200      |           |      |        |      |          |        |        |       |
| 10  | Agriculture Crop Production                              | Essential Oil Extractor   | 200      |           |      |        |      |          |        |        |       |
| 11  | Agriculture Crop Production                              | Power Tiller Operator   | 200      |           |      |        |      |          |        |        |       |
| 12  | Agriculture Crop Production                              | Farm Worker   | 200      |           |      |        |      |          |        |        |       |
| 13  | Animal Husbandry   | Goat Farmer   | 200      |           |      |        |      |          |        |        |       |
| 14  | Animal Husbandry   | Piggery Farmer (Electives: Fattening/ Breeding)   | 200      |           |      |        |      |          |        |        |       |
| 15  | Fisheries  | Coldwater Aquaculture Farmer  | 200      |           |      |        |      |          |        |        |       |
| 16  | Fisheries  | Seaweed Cultivator  | 200      |           |      |        |      |          |        |        |       |
| 17  | Forestry, Environment and<br>Renewable Energy Management | Timber Grower   | 200      |           |      |        |      |          |        |        |       |
| 18  | Forestry, Environment and                                | Lac Cultivator  | 200      |           |      |        |      |          |        |        |       |

|    | Renewable Energy Management |  |     |  |  |  |  |
|----|-----------------------------|--|-----|--|--|--|--|
| 19 | Agriculture Industries      | Ripening Chamber Operator                            | 200 |  |  |  |  |
| 20 | Agriculture Industries      | Group Farming Practitioner                           | 200 |  |  |  |  |
| 21 | Agriculture Industries      | Agri Commodity Fumigation Operator                   | 200 |  |  |  |  |
| 22 | Agriculture Industries      | Plant Tissue Culture Technician                      | 200 |  |  |  |  |
| 23 | Agriculture Crop Production | Flower Handler-Packaging &<br>Palletising            | 212 |  |  |  |  |
| 24 | Agriculture Crop Production | Tropical/Subtropical Fruit Grower                    | 220 |  |  |  |  |
| 25 | Agriculture Crop Production | Florist  | 220 |  |  |  |  |
| 26 | Agriculture Crop Production | Service and Maintenance<br>Technician-Farm Machinery | 220 |  |  |  |  |
| 27 | Fisheries                   | Cage Culture Fish Farmer                             | 230 |  |  |  |  |
| 28 | Agriculture Crop Production | Pesticide & Fertilizer Applicator                    | 232 |  |  |  |  |
| 29 | Agriculture Crop Production | Operator-Reaper, Thresher and Crop Residue Machinery | 236 |  |  |  |  |
| 30 | Animal Husbandry            | Stud Farm Worker                                     | 240 |  |  |  |  |
| 31 | Animal Husbandry            | Companion Animal Groomer                             | 244 |  |  |  |  |
|    |                             | TOTAL  |     |  |  |  |  |

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

# a) CRM Machinery status of the CRM KVKs

| Name of         | Name of             | No. of            | Area            | No. of             | Result                  |                          |                           |                                   |                           |           |  |  |
|-----------------|---------------------|-------------------|-----------------|--------------------|-------------------------|--------------------------|---------------------------|-----------------------------------|---------------------------|-----------|--|--|
| machine         | machine<br>procured | demo<br>conducted | covered<br>(ha) | farmers<br>covered | Demo<br>yield<br>(q/ha) | Check<br>yield<br>(g/ha) | Increase<br>in yield<br>% | Cost of<br>cultivation<br>(Rs/ha) | Net return<br>(demo plot) | B:C ratio |  |  |
| Happy Seeder    |                     |                   |                 |                    |                         |                          |                           |                                   |                           |           |  |  |
| Reversible M.B. |                     |                   |                 |                    |                         |                          |                           |                                   |                           |           |  |  |
| Plough          |                     |                   |                 |                    |                         |                          |                           |                                   |                           |           |  |  |
| Paddy Straw     |                     |                   |                 |                    |                         |                          |                           |                                   |                           |           |  |  |
| Chopper/        |                     |                   |                 |                    |                         |                          |                           |                                   |                           |           |  |  |
| Shradder /      |                     |                   |                 |                    |                         |                          |                           |                                   |                           |           |  |  |
| Mulcher         |                     |                   |                 |                    |                         |                          |                           |                                   |                           |           |  |  |
| Zero Till Drill |                     |                   |                 |                    |                         |                          |                           |                                   |                           |           |  |  |
| Rotavator       |                     |                   |                 |                    |                         |                          |                           |                                   |                           |           |  |  |
| Tractor         |                     |                   |                 |                    |                         |                          |                           |                                   |                           |           |  |  |
| Total           |                     |                   |                 |                    |                         |                          |                           |                                   |                           |           |  |  |

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

# 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                                 |                   |                     |
|        | Total  |                   |                     |

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

| S. No. | Name of IEC activity  | No. of activities |
|--------|---|-------------------|
| 1.     | Advertisement in Print media  |                   |
| 2.     | Column / Articles in newspaper and magazines etc.                                 |                   |
| 3.     | Hoarding fixed (at Mandi/ Road side/Market/ Schools/ Petrol pump/ Panchayat etc.) |                   |
| 4.     | Poster/Banner placed  |                   |
| 5.     | Publicity material - leaflets/ pamphlets etc. distributed                         |                   |
| 6.     | TV programmes/ panel discussions Doordarshan/ DD-Kisan and other private channels |                   |
| 7.     | Wall writing  |                   |
|        | Total   |                   |

# 3) Achievement of TSP (Tribal Sub Plan)

| Farmer                        | Farmer Training   |                               | ng Women Farmer<br>Training |                               | Youths           |                               | nsion<br>onnel        | N                  | umber of<br>involv |                                 | oants in<br>activities<br>o.)            | (b) paas jo | n of Planting<br>(Number in<br>ıkh)    | of Livestock<br>Jumber in<br>kh) | rtion of<br>(Number in<br>ch)           | of Soil, water,<br>anures samples<br>\umber) |
|-------------------------------|-------------------|-------------------------------|-----------------------------|-------------------------------|------------------|-------------------------------|-----------------------|--------------------|--------------------|---------------------------------|--|-------------|--|----------------------------------|---|--|
| No. of<br>Trainings/D<br>emos | No. of<br>Farmers | No. of<br>Trainings/D<br>emos | No. of<br>Women<br>Farmers  | No. of<br>Trainings/D<br>emos | No. of<br>Youths | No. of<br>Trainings/D<br>emos | No. of Ext.<br>Person | On- farm<br>trials | Frontline<br>demos | Mobile agro-advisory to farmers | Participants<br>extension activ<br>(No.) | Production  | Production of<br>material (Nu<br>lakh) | Production of Strains (Nun Iakh) | Production<br>fingerlings (Nur<br>lakh) | Testing of Soil, plant, manures so (Number)  |
| 1                             | 2                 | 3                             | 4                           | 5                             | 6                | 7                             | 8                     | 9                  | 10                 | 11                              | 12                                       | 13          | 14                                     | 15                               | 16                                      | 17   |
|                               |                   |                               |                             |                               |                  |                               |                       |                    |                    |                                 |  |             |  |                                  |   |  |

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

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

# 5) Achievements of SCSP KVKs

| 1                       | rmer<br>ining  | 1                             | en Farmer<br>aining     | Rural                     | l Youths      |                           | ension<br>sonnel      | Numbe           | r of farmer     | s involved                             | in<br>ities                              | pees              | of<br>rrial<br>lkh)                          | of<br>iins<br>ikh)                            | of<br>imber                               | water,<br>es<br>lber)                             |
|-------------------------|----------------|-------------------------------|-------------------------|---------------------------|---------------|---------------------------|-----------------------|-----------------|-----------------|--|--|-------------------|--|---|---|---|
| No. of<br>Trainings/Dem | No. of Farmers | No. of<br>Trainings/Dem<br>os | No. of Women<br>Farmers | No. of<br>Trainings/Demos | No. of Youths | No. of<br>Trainings/Demos | No. of Ext.<br>Person | On- farm trials | Frontline demos | Mobile agro-<br>advisory to<br>farmers | Participants<br>extension activ<br>(No.) | Production of (q) | Production<br>Planting mate<br>(Number in Ia | Production<br>Livestock stra<br>(Number in la | Production<br>fingerlings (Nu<br>in lakh) | Testing of Soil, y<br>plant, manu<br>samples (Num |
|                         |                |                               |                         |                           |               |                           |                       |                 |                 |  |  |                   |  |   |   |   |

### 6) Achievement under IFS KVKs

| S1. | Component Name | No. of<br>Components<br>established | Area (ha) | Number o | f Activities | No. of farmers benefited |          |
|-----|----------------|-------------------------------------|-----------|----------|--------------|--------------------------|----------|
| No. |                |                                     |           | Demo     | Training     | Demo                     | Training |
| 1   |                |                                     |           |          |              |                          |          |
| 2   |                |                                     |           |          |              |                          |          |
| 3   |                |                                     |           |          |              |                          |          |

### 7) Activities performed under NARI programme

### Table-7.1: Details of activities performed under NARI programme

|   | Nutritional Garden   |                                  | Bio-fortified crops |                                  | Value          | addition                         | Training       | programmes                       | Extension activities |                                  |  |
|---|----------------------|----------------------------------|---------------------|----------------------------------|----------------|----------------------------------|----------------|----------------------------------|----------------------|----------------------------------|--|
| ı | No of<br>Established | No. of farmers/<br>beneficiaries | No of activity      | No. of farmers/<br>beneficiaries | No of activity | No. of farmers/<br>beneficiaries | No of activity | No. of farmers/<br>beneficiaries | No of activity       | No. of farmers/<br>beneficiaries |  |
|   |                      |                                  |                     |                                  |                |                                  |                |                                  |                      |                                  |  |

### Table-7.2: Details of Bio-Fortified Crops used for nutritional security under NARI programme

| Category                  | Bio Fortified Crop | Variety | Area (ha) | No of Beneficiaries |
|---------------------------|--------------------|---------|-----------|---------------------|
| <b>Category</b><br>Cereal | Maize              |         |           |                     |
|                           | Rice               |         |           |                     |
|                           | Wheat              |         |           |                     |
|                           |                    |         |           |                     |
| Millet                    | Finger millet      |         |           |                     |
|                           | Pearlmillet        |         |           |                     |
|                           | Sorghum            |         |           |                     |
|                           |                    |         |           |                     |

| Oilseed   | Groundnut    |  |  |
|-----------|--------------|--|--|
|           | Mustard      |  |  |
|           |              |  |  |
| Pulses    | Lentil       |  |  |
|           | Lathyras     |  |  |
|           |              |  |  |
| Vegetable | Cauliflower  |  |  |
| - T       |              |  |  |
| Tuber     | Sweet Potato |  |  |
|           |              |  |  |
| Total     |              |  |  |

# 8) 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<br>lakh | Amount realized<br>(Rs. in lakhs) | No. of Soil Health Cards issued<br>(lakhs) |
|--------|------------------------|------------------------|----------------------------|-----------------------------------|--|
| Soil   |                        |                        |                            |                                   |  |
| Water  |                        |                        |                            |                                   |  |
| Plant  |                        |                        |                            |                                   |  |
| Manure |                        |                        |                            |                                   |  |
| Total  |                        |                        |                            |                                   |  |

# 9) 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<br>Courses Farmers |          | No. of programmes    | Farmers |
|      |           |                 |           |                       |           |                |                          |          |                      |         |

# 10) Achievements under ARYA Project

| Name of entrepreneurial units | No. of entrepreneurial | No. of Training programs organised | No. of rural youth trained |        | No. of youth established units |        |
|-------------------------------|------------------------|------------------------------------|----------------------------|--------|--------------------------------|--------|
|                               | units established      |                                    | 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                 |                        |                                    |                            |        |                                |        |

# 11) Achievements under Pulses Seed Hub programme

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

|                            |            |  |  |   | 0, |
|----------------------------|------------|--|--|---|----|
|                            |            |  |  |   |    |
|                            | Lentil     |  |  | • |    |
|                            |            |  |  |   |    |
| Total (Rabi)               |            |  |  |   |    |
| Summer                     | Black gram |  |  |   |    |
|                            |            |  |  |   |    |
| Total (Summer) Grand Total |            |  |  |   |    |
| Grand Total                |            |  |  |   |    |

# 12) Achievements under Swachhata Abhiyan Mission

| S.No. | Items                   | No. of     | No. of persons |
|-------|-------------------------|------------|----------------|
|       |                         | Programmes | paticipated    |
| 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 paining slogans |            |                |
| 10    | Composting              |            |                |
| 11    | Other                   |            |                |
| 12    |                         |            |                |
| 13    |                         |            |                |

# 13) Achievements under Aspirational District Scheme

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

### 14) Awards

| S.No. | Name of Award received | Name of KVK/farmer | Year of Award | Date on which award received |
|-------|------------------------|--------------------|---------------|------------------------------|
|       |                        |                    |               |                              |
|       |                        |                    |               |                              |
|       |                        |                    |               |                              |
|       |                        |                    |               |                              |

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

