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# **ANNUAL PROGRESS REPORT (April 2008 – March 2009)**



**KRISHI VIGYAN KENDRA, UMARIA  
Jawaharlal Nehru Krishi Vishwa Vidyalaya,  
Jabalpur (MP)**

# ANNUAL REPORT KVK UMARIA

(1-04-2008 to 31-03-2009)

## 1. GENERAL INFORMATION ABOUT THE KVK

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

| KVK    | Postal Address with Pin code      | Telephone |        |        | E mail   |
|--------|-----------------------------------|-----------|--------|--------|--|
|        |                                   | STD       | Office | FAX    |  |
| Umaria | Jwalamukhi Colony,<br>Umaria (MP) | 07653     | 222539 | 222539 | kvkumaria@rediffmail.com<br>umariakvk@rediffmail.com |

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

| Host Institute name                                    | Postal Address with Pin code                                     | Telephone |         |         | E mail                  |
|--|--|-----------|---------|---------|-------------------------|
|  |  | STD       | Office  | FAX     |                         |
| Jawaharlal Nehru Krishi Vishwavidyalaya, Jabalpur (MP) | Jawaharlal Nehru Krishi Vishwavidyalaya, Adhartal, Jabalpur (MP) | 0761      | 2681710 | 2681710 | jnkvvdes@rediffmail.com |

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

| Name            | Telephone / Contact |             |                          |
|-----------------|---------------------|-------------|--------------------------|
|                 | Residence           | Mobile      | Email                    |
| Dr. K.P. Tiwari | -                   | 09425888060 | kvkumaria@rediffmail.com |

### 1.4. Year of sanction: 04.07.2006 (ICAR/ F No. 2-10/2000-AE II)

**1.5. Staff Position (as on 15<sup>th</sup> August 2008)**

| Sl. No. | Sanctioned post             | Name of the incumbent | Designation                | Discipline     | Pay Scale with present basic | Date of joining | Permanent /Temporary | Category (SC/ST/OBC/Others) |
|---------|-----------------------------|-----------------------|----------------------------|----------------|------------------------------|-----------------|----------------------|-----------------------------|
| 1       | Programme Coordinator       | Dr. K.P. Tiwari       | Programme Coordinator      | Agronomy       | 12000-18300<br>12925         | 2/07/07         | Permanent            | Gen.                        |
| 2       | Subject Matter Specialist   | Dr. Aashutosh Sharma  | SMS                        | Agroforestry   | 8000-13500<br>8000           | 25/01/07        | Permanent            | Gen.                        |
| 3       | Subject Matter Specialist   | Shri K. Sahare        | SMS                        | Ext. Education | -do-                         | 5/05/07         | Permanent            | Sc                          |
| 4       | Subject Matter Specialist   | Dr. B. K. Tiwari      | SMS                        | Agrronomy      | -do-                         | 2/07/07         | Permanent            | Gen.                        |
| 5       | SMS                         | -                     | -                          | -              | -                            | -               | -                    | -                           |
| 6       | SMS                         | -                     | -                          | -              | -                            | -               | -                    | -                           |
| 7       | SMS                         | -                     | -                          | -              | -                            | -               | -                    | -                           |
| 8       | Programme Assistant         | Shri U.S. Awasya-     | PA (Computer)              | MCA            | 5500-9000                    | 10/04/08        | Permanent            | ST                          |
| 9       | Computer Programmer         | -                     | -                          | -              | -                            | -               | -                    | -                           |
| 10      | Farm Manager                | -                     | -                          | -              | -                            | -               | -                    | -                           |
| 11      | Accountant / Superintendent | -                     | -                          | -              | -                            | -               | -                    | -                           |
| 12      | Stenographer                | -                     | -                          | -              | -                            | -               | -                    | -                           |
| 13      | Driver                      | Shri R.K.Vishwakarma  | Vehi. Driver with Mechanic | -              | 3050-4590                    | 10/07/08        | Permanent            | OBC                         |
| 14      | Driver                      | Shri S.K. Vaishya     | Vehi. Driver with Mechanic | -              | 3050-4590                    | 11/07/08        | Permanent            | SC                          |
| 15      | Supp. staff                 | -                     | -                          | -              | -                            | -               | -                    | -                           |
| 16      | Supp. staff                 | -                     | -                          | -              | -                            | -               | -                    | -                           |

- 1.6. **Total land with KVK (in ha):** 20.00 ha. for instructional farm at village Dabrauha and 0.65 ha for administrative building at Chhatan Camp, Umaria

| S. No. | Item                           | Area (ha)        |
|--------|--------------------------------|------------------|
| 1      | Under Buildings (Proposed)     | 0.65 ha          |
| 2.     | Under Demonstration Units      | Nil              |
| 3.     | Under Crops                    | 6 ha             |
| 4.     | Orchard/ Agro-forestry         | 3 ha             |
| 5.     | Others: Under gullies          | 5 ha             |
| 6      | Others: wasteland/ undeveloped | 6 ha             |
|        | <b>Total land</b>              | <b>20.65 ha.</b> |

- 1.7. **Infrastructural Development:**

**A) Buildings**

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

**B) Vehicles**

| Type of vehicle | Year of purchase | Cost (Rs.) | Total kms. Run | Present status       |
|-----------------|------------------|------------|----------------|----------------------|
| Mahindra Bolero | 2007             | 426857     | 51626 Kms      | In working condition |

### C) Equipments & AV aids

| Name of the equipment | Year of purchase | Cost (Rs.) | Present status    |
|-----------------------|------------------|------------|-------------------|
| Digital camera        | 2007             |            | Working condition |
| Television            | 2007             | 9990/-     | Working condition |
| DVD                   | 2007             | 3990/-     | Working condition |
| A.V. Aids             | March 2008       | 25000/-    | Working condition |
| Photo copy Machine    | March 2008       | 58510/-    | Working condition |
| Fax                   | March 2008       | 8900/-     | Working condition |
| Handycam camera       | March 2008       | 19990/-    | Working condition |
| Desktop Computer      | March 2009       | 38495/-    | Working condition |
| Laser Printer         | March 2009       | 5475/-     | Working condition |
| Scanner               | March 2009       | 2724/-     | Working condition |

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

| S. No. | Date     | Number of Participants | Salient Recommendations | Action taken  |
|--------|----------|------------------------|-------------------------|---------------|
| 1.     | 09/05/08 | 41                     | Copy Attached           | Copy Attached |
| 2.     | 21/10/08 | 32                     | Copy Attached           | Copy Attached |

\* Attached a copy of SAC proceedings along with list of participants at the end of report

## 2. DETAILS OF DISTRICT (2008-09)

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

| S. No | Farming system/enterprise |
|-------|---------------------------|
| 1     | Agriculture               |
| 2     | Agriculture + Dairy       |
| 3     | Collection of MFP         |
| 4     | Landless labour           |
| 5     | Wood cut and carry system |
| 6     | Coal mining labour        |
| 7     | Forest                    |
| 8     | Forest based industry     |

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

| S. No | Agro-climatic Zone                          | Characteristics  |
|-------|---|--|
| 1     | Zone -II Northern Hill zone of Chhattisgarh | Medium and deep, loamy, red and yellow soils with medium available water content (AWC), undulating terrain results in excessive run off during heavy rainfall and moisture stress at later stages of crops growth. Soils are low to medium in N and P and medium in K. they are deficient in Zn. |

| S. No | Agro ecological situation (AES)              | Characteristics  |
|-------|--|--|
| 1     | Zone- X<br>Southern plateau and hills region | Characterized by undulating topography, denuded hills, plateau, river valleys, high lands of the Eastern Ghats and wide basins of Chattisgarh. The annual rainfall varies from 100-180 cm. the predominant soil groups are mixed red and black, red and yellow, red sandy, laterite, black and alluvial (riverine and coastal) |

**AES I Kharif crop- rabi fallow-** Rainfed area, 51 % area of the district, major crops are kodo, urd, til and upland paddy and arhar in heavy soil area

**AES II Kharif fallow- rabi crop-** Rainfed area, 17% area of the district. Major crops are linseed, lentil, pea, wheat.

**AES III Kharif crop- rabi crop-** Rainfed area, 17% area of the district. Major crops are Maize, rai, paddy early-linseed/lentil

**AES IV Kharif crop- rabi crop-** irrigated area, 15% area of the district. Major crops are Paddy-wheat

### 2.3 SOIL TYPE

| S. No | Soil type     | Characteristics   | Area in ha |
|-------|---------------|---|------------|
| 1     | <b>Light</b>  | Sandy soils, light textured soil, low in organic matter content, excessive runoff losses in undulating terrain areas.         | 117086     |
| 2     | <b>Medium</b> | Red + yellow mix, medium textured soil, laterite soil,  | 225164     |
| 3     | <b>Heavy</b>  | Red + black mix, soil average in Organic matter content, disruption in roots due to cracking during moisture stress condition | 108079     |

### 2.4 Weather data (2008-09)

| Month        | Rainfall (mm) | Temperature °C |         | Relative Humidity (%) |
|--------------|---------------|----------------|---------|-----------------------|
|              |               | Maximum        | Minimum |                       |
| April 08     |               | -              | -       | -                     |
| May 08       |               | -              | -       | -                     |
| June 08      | 337.90        | -              | -       | -                     |
| July 08      | 238.23        | -              | -       | -                     |
| August 08    | 36.57         | -              | -       | -                     |
| September 08 |               |                |         |                       |
| October 08   |               |                |         |                       |
| November 08  |               |                |         |                       |
| December 08  |               |                |         |                       |

|              |               |          |          |          |
|--------------|---------------|----------|----------|----------|
| January 09   |               |          |          |          |
| February 09  |               |          |          |          |
| March 09     |               |          |          |          |
| <b>Total</b> | <b>621.46</b> | <b>-</b> | <b>-</b> | <b>-</b> |

**2.5. Area, Production and Productivity of major crop cultivated in the district-**

| <b>S. No.</b> | <b>Crops</b>           | <b>Area (ha)</b> | <b>Production (thousand ton)</b> | <b>Productivity</b> |
|---------------|------------------------|------------------|----------------------------------|---------------------|
| <b>a.</b>     | <b>Cereal crop -</b>   |                  |                                  |                     |
|               | <b>Kharif</b>          |                  |                                  |                     |
|               | Paddy                  | 44000            | 41.8                             | 950                 |
|               | Maize                  | 10600            | 7.6                              | 720                 |
|               | Jowar                  | 700              | 0.6                              | 840                 |
|               | Kodo-kutki             | 18800            | 5.3                              | 280                 |
|               | <b>Rabi</b>            |                  |                                  |                     |
|               | Wheat                  | 26200            | 33.3                             | 1270                |
|               | Barley                 | 400              | 0.3                              | 751                 |
|               | <b>Total Cereals -</b> | <b>100700</b>    | <b>88.9</b>                      | <b>--</b>           |
| <b>b.</b>     | <b>Pulse -</b>         |                  |                                  |                     |
|               | <b>Kharif</b>          |                  |                                  |                     |
|               | Arhar                  | 5100             | 2.9                              | 560                 |
|               | Urd                    | 3000             | 0.8                              | 264                 |
|               | Mung                   | 10               | -                                | 280                 |
|               | <b>Rabi</b>            |                  |                                  |                     |
|               | Gram                   | 5900             | 4.8                              | 810                 |
|               | Pea                    | 1400             | 1.0                              | 680                 |
|               | Lentil                 | 5300             | 3.7                              | 630                 |
|               | <b>Total Pulses -</b>  | <b>21310</b>     | <b>13.2</b>                      | <b>--</b>           |
| <b>c.</b>     | <b>Oilseed -</b>       |                  |                                  |                     |
|               | <b>Kharif</b>          |                  |                                  |                     |
|               | Til                    | 2400             | 0.4                              | 170                 |
|               | Ramtil                 | 2000             | 0.9                              | 130                 |
|               | Soybean                | 50               | 0.02                             | 344                 |
|               | <b>Rabi</b>            |                  |                                  |                     |
|               | Mustard/Rai            | 7500             | 2.6                              | 350                 |
|               | Linseed                | 3700             | 1.1                              | 296                 |
|               | <b>Total oilseed -</b> | <b>15650</b>     | <b>5.02</b>                      |                     |

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

| Category          | Population    | Production | Productivity |
|-------------------|---------------|------------|--------------|
| <b>Cattle</b>     |               |            |              |
| <i>Indigenous</i> | <b>417071</b> | -          | -            |
| <b>Buffalo</b>    | <b>83421</b>  | -          | -            |
| <b>Sheep</b>      |               |            |              |
| <i>Indigenous</i> | <b>8232</b>   | -          | -            |
| <b>Goats</b>      | <b>85600</b>  | -          | -            |
| <b>Pigs</b>       | <b>5641</b>   | -          | -            |
| <b>Poultry</b>    |               |            |              |
| Hens <i>Desi</i>  | <b>31484</b>  | -          | -            |

## 2.7 Details of Operational area / Villages (2008-09)

| S. No. | Taluk   | Name of the block | Name of the village | Major crops & enterprises  | Major problem identified | Identified Thrust Areas |
|--------|---------|-------------------|---------------------|--|--------------------------|-------------------------|
| 1      | Karkeli | Karkeli           | Kacharwar           | Crop- Paddy, maize, kodo-kutki, arhar, urid, til, wheat, gram lentil, linseed, rai<br>Enterprizes- Agriculture, livestock production, Seasonal labour, service, shop | Given below*             | Given below**           |

### \*Major problem identified in adopted village:

- Lack of agrotechnical knowledge,
- Low seed replacement rate,
- Traditional method of cropping,
- No use of improved farm implements,
- Mono cropping,
- No knowledge of shaded cropping technology,
- Lack of awareness about improved milch animals and their feeding habits,
- No knowledge of disease and insect pest management,
- No knowledge about women drudgery reduction and their lean period utilization
- No knowledge about soil test basis cropping system
- No knowledge about poultry, fish and goatery management,
- Lack of awareness about soil and water conservation measures

### \*\*Identified Thrust Areas of adopted village:

- Training of improved production techniques of crops
- Utilization of mono cropped/unproductive area by forestry/ horticultural/ goatery/dairy/fish farming/ trapha cultivation etc.

- Introduction and popularization of implements and farm machine.
- Drudgery reduction techniques and lean period utilization trainings to farm women
- Training on proper soil and water conservation practices
- Popularization of improved varieties through seed village programme and FLDs
- Introduction of chemical weed control measures, soil test basis fertilizer application, IPM and INM etc.

## 2.7 Priority thrust areas of district

| S. No | Thrust area   |
|-------|---|
| 1     | <b>Varietal Diversification-</b> Availability of quality seed through seed production technology and Seed replacement.      |
| 2     | <b>Technological diversification</b>  |
| 3     | <b>Crop diversification</b>   |
| 4     | <b>Rainwater and irrigation management</b>  |
| 5     | <b>Integrated nutrient management</b>   |
| 6     | <b>Integrated pest management</b>   |
| 7     | <b>Promotion of organic farming along with balanced nutrition.</b>  |
| 8     | <b>Strengthen of linkage between farmer's and extension system</b>  |
| 9     | <b>Farm mechanization and drudgery reduction</b>  |
| 10    | <b>Development of rural entrepreneurship for income and employment generation like Bee Keeping and mushroom cultivation</b> |
| 11    | <b>Increasing productivity of vegetables</b>  |
| 12    | <b>Integrated livestock management</b>  |
| 13    | <b>Nutritional security at household level and Development of nutritional garden</b>  |

### 3. TECHNICAL ACHIEVEMENTS

#### 3.1. A. Abstract of interventions undertaken

| S. No | Thrust area                             | Crop/ Enterprise | Identified Problem   | Interventions   |   |  |   |                            |  |
|-------|---|------------------|--|---|---|--|---|----------------------------|--|
|       |   |                  |  | Title of OFT if any   | Title of FLD if any   | Title of Training if any   | Title of training for extension personnel if any      | Extension activities       | Supply of seeds, planting materials etc. |
| 1     | Improved production techniques of crops | Paddy            | Low yield potential of local variety & lack of awareness about early maturing high yielding variety (Problem in 12000 ha.) | Assessment of Pusa Sugandha-5 with full package and practices in Paddy. | Introduction of short duration paddy JR-201 for upland bunded field | (1) Improved practices of paddy cultivation<br>(2) Fertilizer requirement of Paddy under upland and lowland condition. | Need based production technique of paddy cultivation. | Field day, Kisan sangosthi | Supplied JR-201 seed Kharif 07,          |

|   |   |       |   |  |  |  |  |                            |  |
|---|---|-------|---|--|--|--|--|----------------------------|--|
| 2 | Improved production techniques of crops | Paddy | Low yield in rice due to close transplanting and higher seed rate condition.                              | <ul style="list-style-type: none"> <li>➤ Assessment of SRI system with hybrid JRH-5 of paddy.</li> <li>➤ Assessment of group approach through farmer interest group of Paddy grower for SRI system.</li> </ul> |  | <ul style="list-style-type: none"> <li>➤ Improved practices of paddy cultivation.</li> </ul>   |  | Field day, Kisan sangosthi | JR-201 seed variety                                      |
| 4 | Improved production techniques of crops | Paddy | No use of pre emergence herbicides for weed control in paddy in the district during severe labour crisis. |  | Assessment of Pyrazosulphuron ethyl herbicide in paddy | <ul style="list-style-type: none"> <li>➤ Improved practices of paddy cultivation</li> <li>➤ Interigated weed management of paddy crop</li> </ul> |  | Field day, Kisan sangosthi | Pyrazosulphuron ethyl herbicide @ 20 gm ai/ha (0-5 DAT). |

|   |   |       |  |  |  |  |                                  |                            |   |
|---|---|-------|--|--|--|--|----------------------------------|----------------------------|---|
| 5 | Improved production techniques of crops | Paddy | No use of post emergence herbicides for weed control in paddy in the district during severe labour crisis. |  | Assessment of Fenoxaprop-p-ethyl herbicide in paddy  | <ul style="list-style-type: none"> <li>➤ Improved practices of paddy cultivation</li> <li>➤ Interigated weed management of paddy crop</li> </ul> |                                  | Field day, Kisan sangosthi | Fenoxaprop-p-ethyl herbicide @ 80 gm ai/ha (25-30 DAT). |
| 7 | Improved production techniques of crops | Urid  | Low yield potential of local variety of urid   | Assessment of Quizolfop-ethyl @ 45 gm a.i. per ha in Urid. | <ul style="list-style-type: none"> <li>➤ Introduction of high yielding PDU-1 urid variety with full package of practice for maximizing production</li> </ul> | <ul style="list-style-type: none"> <li>➤ Production technology of Urd.</li> <li>➤ Production technology of pulses crop</li> </ul>                | Yellow mosaic management in Urd. | Field day, Kisan sangosthi | PDU-1 seed, Fertilizer (kharif 07)                      |
| 8 | Improved production techniques of crops | Til   | Low yield potential of local variety of til  |  | <ul style="list-style-type: none"> <li>➤ Introduction of high yielding TKG-8 Til variety with full package of practice for maximizing production.</li> </ul> | <ul style="list-style-type: none"> <li>➤ Production technology of Sesame.</li> <li>➤ Production technology of oil seed crop</li> </ul>           |                                  | Field day, Kisan sangosthi | Til TKG-8 Kharif 07                                     |

|    |   |                   |   |  |  |  |   |                            |                            |
|----|---|-------------------|---|--|--|--|---|----------------------------|----------------------------|
| 10 | Improved production techniques of crops | Kodo              | Low yield potential of local varieties.(Problem in 100% area)                 | Assessment of variety JK-3 of kodo   |  |  |   |                            | Kodo GPUK-3 seed kharif 07 |
| 11 | Improved production techniques of crops | Pigeon pea        | Severe attack of wilt in arhar (Problem in 70% area)                          | Assessment of Asha variety of pigeon pea   |  | Technique of control of wilt in Arhar                |   | Field day, Kisan sangosthi | Asha variety of pigeon pea |
| 13 | Integrated Pest Management              | Lac on Palash/ber | No use of Palash tree for additional income i.e. lac cultivation (100% area). | Assessment of the effect of group approach through farmer interest of Lac production on Palash plants. |  | ➤ Skill transfer technique of rearing of lac insect. | Skill development course on Lakh cultivation on Ber / Palash. | Field day, Kisan sangosthi | Brood lac of palash        |

|    |                                       |            |  |   |  |   |  |                            |   |
|----|---------------------------------------|------------|--|---|--|---|--|----------------------------|---|
| 14 | Integrated Farming System             | Turmeric   | Use of shaded plantation area is not a practice in Umaria  | Assessment of intercropping of Suroma variety of turmeric under shaded cropping system. |  |   |  | Field day, Kisan sangosthi | Ginger Suprabha,                              |
| 15 | Integrated Farming System (kharif 07) | Eucalyptus | Farmers do not get any additional income from the newly planted to 5 years eucalyptus plantation. Some farmers do not plant agriculture crops due to wrong concept of nothing can be grown beneath the plantation. | To assess the suitable intercropping of pigeon pea/til in plantation crops.             | Transplanting of clonal eucalyptus in low productive mono cropped area | <ul style="list-style-type: none"> <li>(1) Selection of suitable tree species for different farming situation.</li> <li>(2) Alignment, pit digging and planting techniques for different plant spp.</li> <li>(3) Intercropping of kharif agricultural crops in agroforestry system</li> </ul> |  | Field day, Kisan sangosthi | Til TKG-8, Asha pigeon pea, eucalyptus clones |

|    |   |       |  |   |  |  |  |                            |               |
|----|---|-------|--|---|--|--|--|----------------------------|---------------|
| 16 | Integrated Farming System                     | Aonla | Degraded lands are poorly managed led to soil erosion and scarcity of water for upland crops resulted in very low productivity. (problem in 50 % area) | Assessment of Aonla plantation under rain water harvesting system through Jalkunda technique. | Transplanting of grafted aonla in low productive mono cropped area | Rain water-harvesting techniques to irrigate plantation under rainfed condition.     | Wasteland development through agroforestry                               | Field day, Kisan sangosthi | Grafted aonla |
| 17 | Improved production techniques of Agri. crops | Wheat | Low yield potential of local variety, No use of chemical herbicides for weed control in wheat  |   | Response of clodinafop in wheat.                                   | > Production technology of late sown wheat<br>> Skill on seed treatment in rabi crop | Production technique of late-sown wheat under Paddy-wheat crop rotation. | Field day, Kisan sangosthi | clodinafop    |

|    |   |         |  |  |   |  |   |                            |  |
|----|---|---------|--|--|---|--|---|----------------------------|--|
| 18 | Improved production techniques of crops | Lentil  | Low yield potential of local variety & lack of awareness about high yielding variety (Problem in 80% area) |  | Introduction of high yielding JL-3 lentil variety with full package of practice for maximizing production     | > Skill on seed treatment in rabi crop | Non-pesticidal management of crop pest. | Field day, Kisan sangosthi | JL-3 seed, seed treatment, PSB + Rhizobium, Seed treatment |
| 19 | Improved production techniques of crops | Linseed | Low yield potential of local variety & lack of awareness about high yielding variety (Problem in 95%)      |  | Introduction of high yielding JLS-2310 lentil variety with full package of practice for maximizing production | > Skill on seed treatment in rabi crop | Non-pesticidal management of crop pest. | Field day, Kisan sangosthi | JLS-2310 Seed, seed treatment, PSB + Azotobacter,          |

|  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  | Assessment of information source that is kishan mobile sandesh (KMS) through mobile for dissemination of agricultural technology in due time to RAEOs and farmer |  |  |  |  |  |
|  |  |  |  | Assessment of variety Agrifound dark red of Kharif onion.  |  |  |  |  |  |

|  |  |  |  |   |  |  |  |  |  |
|--|--|--|--|---|--|--|--|--|--|
|  |  |  |  | Assessment of Mancozab + Metalaxyl for management of Phytophthora disease in Potato             |  |  |  |  |  |
|  |  |  |  | Assessment of Composite Dewormer (IVOMEC) for control of endo and ecto parasite in the animals. |  |  |  |  |  |
|  |  |  |  | Assessment of variety JG-130 with full packages and practices of gram.                          |  |  |  |  |  |

|  |  |  |  |   |  |  |  |  |  |
|--|--|--|--|---|--|--|--|--|--|
|  |  |  |  | Assessment of GW-273 with full packages of practice in wheat. |  |  |  |  |  |
|--|--|--|--|---|--|--|--|--|--|

### 3.1. B. On Farm Trial conducted during April 08-March 09.

#### OFT No. 1

1. **Title of on-farm trials:** Assessment of Pusa Sugandha-5 with full package and practices in Paddy.
2. **Problem diagnose:** Low yield potential of local varieties. (Problem in 70% area)
3. **Details of technologies selected for assessment:** T1: Local Variety T2: Use of cented high yielding variety Pusa Sugandha-5 of paddy.
4. **Source of Technology:**ICAR (Year-2006)
5. **Thematic area:**Improved Variety
6. **Performance of the Technology with performance indicators:** Plant population, Plant height, No. of Effective tiller/sq.m., No. of seed/ear, grain yield/ha.
7. **Final recommendation for micro level situation:**
8. **Constraints identified and feedback for research:** No
9. **Process of farmer's participation and their reaction:** No

#### Results of On Farm Trials

| Crop/enterprise | Farming situation | Problem Diagnosed   | Title of OFT  | No. of trials* | Technology Assessed   | Parameters of assessment  |
|-----------------|-------------------|---|---|----------------|---|---|
| Paddy PS-5      | Rainfed           | Low yield potential of local varieties. (Problem in 70% area) | Assessment of Pusa Sugandha-5 with full package and practices in Paddy. | 20             | Use of cented high yielding variety Pusa Sugandha-5 of paddy. | Plant population, Plant height, No. of Effective tiller/sq.m., No. of seed/ear, grain yield/ha. |

| Data on the parameter | Results of assessment | Feedback from the farmer | Any refinement done | Justification for refinement |
|-----------------------|-----------------------|--------------------------|---------------------|------------------------------|
|                       |                       |                          |                     |                              |

| Technology Assessed/ Refined                                      | Production per unit | Net Return (Profit) in Rs./ unit | BC Ratio |
|---|---------------------|----------------------------------|----------|
| T1: Local Variety   | 32.65               | 8860                             | 1.63     |
| T2: Use of cented high yielding variety Pusa Sugandha-5 of paddy. | 51.3                | 27045                            | 2.93     |

## OFT No.2

1. **Title of on-farm trials:** Assessment of SRI system with hybrid JRH-5 of paddy.
2. **Problem diagnose:** Low yield in rice due to close transplanting, using old age seedlings and higher seed rate. (100% area)
3. **Details of technologies selected for assessment:** T1: Traditional method of transplanting.  
T2: Introduction of SRI method with hybrid JRH-5 of paddy planting technique. 14 days old seedling, one seedling/hill and spacing 25x25 cm with marker, need based water management.
4. **Source of technology:** ANGARU (year 2004)
5. **Thematic area:** Crop management.
6. **Performance of the Technology with performance indicators:** Plant population, Plant height, No. of Effective tiller/sq.m., No. of seed/ear, grain yield/ha.
7. **Final recommendation for micro level situation:**
8. **Constraints identified and feedback for research:** No
9. **Process of farmer's participation and their reaction:** Group meeting, training & awareness, Farmers selection, distribution of input. Farmers have positive response.

### Results of On Farm Trials

| Crop/enterprise | Farming situation | Problem Diagnosed   | Title of OFT   | No. of trials* | Technology Assessed  | Parameters of assessment  |
|-----------------|-------------------|---|--|----------------|--|---|
| Paddy JRH-5     | Rainfed condition | Low yield in rice due to close transplanting, using old age seedlings and higher seed rate. (100% area) | Assessment of SRI system with hybrid JRH-5 of paddy. | 22             | Introduction of SRI method with hybrid JRH-5 of paddy planting technique. 14 days old seedling, one seedling/hill and spacing 25x25 cm with marker, need based water management. | Plant population, Plant height, No. of Effective tiller/sq.m., No. of seed/ear, grain yield/ha. |

| Data on the parameter | Results of assessment | Feedback from the farmer | Any refinement done | Justification for refinement |
|-----------------------|-----------------------|--------------------------|---------------------|------------------------------|
|                       |                       |                          |                     |                              |

| Technology Assessed/<br>Refined  | Production per unit | Net Return (Profit)<br>in Rs./ unit | BC Ratio |
|--|---------------------|-------------------------------------|----------|
| T1: Traditional method of transplanting.   | 33.4                | 9385                                | 1.67     |
| T2: Introduction of SRI method with hybrid JRH-5 of paddy planting technique. 14 days old seedling, one seedling/hill and spacing 25x25 cm with marker, need based water management. | 67.41               | 28722                               | 2.55     |

### OFT No. 3

- Title of on-farm trials:** Assessment of JK-13 variety of kodo.
- Problem diagnose:** Low yield potential of local varieties. (Problem in 100% area)
- Details of technologies selected for assessment:** T1: Local variety  
T2: Use of high yielding variety- of kodo JK-13
- Source of technology:** JNKVV, Jabalpur (MP) (Year 2004)
- Thematic area:** Improved variety
- Performance of the Technology with performance indicators:** Plant population, Plant height, No. of seed/plant yield q/ha.
- Final recommendation for micro level situation:**
- Constraints identified and feedback for research:** No
- Process of farmer's participation and their reaction:** Group meeting, training & awareness, field selection, distribution of input. Farmers have positive response.

### Results of On Farm Trials

| Crop/<br>enterprise | Farming<br>situation | Problem<br>Diagnosed  | Title of OFT                                  | No.<br>of<br>trials* | Technology<br>Assessed                                | Parameters of<br>assessment  |
|---------------------|----------------------|---|---|----------------------|---|--|
| Kodo<br>JK-13       | Rainfed<br>condition | Low<br>yield<br>potential<br>of local<br>varieties.<br>(Problem<br>in 100%<br>area) | Assessment<br>of JK-13<br>variety of<br>kodo. | 10                   | Introduction<br>high<br>yielding<br>variety JK-<br>13 | Plant<br>population,<br>Plant height,<br>No. of<br>seed/plant<br>yield q/ha. |

| Data on the<br>parameter | Results of<br>assessment | Feedback from the farmer | Any<br>refinement | Justification for<br>refinement |
|--------------------------|--------------------------|--------------------------|-------------------|---------------------------------|
|--------------------------|--------------------------|--------------------------|-------------------|---------------------------------|

|  |  |  |             |  |
|--|--|--|-------------|--|
|  |  |  | <b>done</b> |  |
|--|--|--|-------------|--|

| Technology Assessed / Refined                   | Production per unit | Net Return (Profit) in Rs. / unit | BC Ratio |
|---|---------------------|-----------------------------------|----------|
| T1: Local variety                               | 5.66                | 499                               | 1.10     |
| T2: Use of high yielding variety- of kodo JK-13 | 8.89                | 3357                              | 1.60     |

#### OFT No. 4

- Title of on-farm trials:** Assessment of Quizolfop-ethyl @ 45 gm a.i. per ha in Urid.
- Problem diagnose:** No weeding concept in urid crop due to severe labour crisis.
- Details of technologies selected for assessment:** T1: No weeding operation  
T2: Post emergence application of Quizolfop-ethyl @ 45 gm a.i. per ha for weed control in Urid (20DAS).
- Source of technology:** NRCWS, Jabalpur (MP) (Year 2003)
- Thematic area:** Weed Management.
- Performance of the Technology with performance indicators:** Plant population, weed intensity/sq. m., weed dry matter kg/ha, yield q/ha.
- Final recommendation for micro level situation:**
- Constraints identified and feedback for research:** No
- Process of farmer's participation and their reaction:** Group meeting, training & awareness, field selection, distribution of input. Farmers have positive response.

#### Results of On Farm Trials

| Crop/ enterprise | Farming situation | Problem Diagnosed   | Title of OFT   | No. of trials* | Technology Assessed   | Parameters of assessment  |
|------------------|-------------------|---|--|----------------|---|---|
| Urid             | Rainfed condition | No weeding concept in urid crop due to severe labour crisis | Assessment of Quizolfop-ethyl @ 45 gm a.i. per ha in Urid. | 6              | Post emergence application of Quizolfop-ethyl @ 45 gm a.i. per ha for weed control in Urid (20DAS). | Plant population, weed intensity/sq. m., weed dry matter kg/ha, yield q/ha. |

| Data on the parameter | Results of assessment | Feedback from the farmer | Any refinement done | Justification for refinement |
|-----------------------|-----------------------|--------------------------|---------------------|------------------------------|
|                       |                       |                          |                     |                              |

| Technology Assessed / | Production per unit | Net Return (Profit) | BC Ratio |
|-----------------------|---------------------|---------------------|----------|
|-----------------------|---------------------|---------------------|----------|

| Refined   |      | in Rs./ unit |      |
|---|------|--------------|------|
| T1:No weeding operation   | 3.29 | 731          | 1.10 |
| T2: Post emergence application of Quizolfop-ethyl @ 45 gm a.i. per ha for weed control in Urid (20DAS). | 4.27 | 2367         | 1.27 |

#### OFT No. 5

- Title of on-farm trials:** Assessment of intercropping of Suroma variety of turmeric under shaded cropping system.
- Problem diagnose:** Use of shaded plantation area is not a practice in Umaria district (problem in 100%).
- Details of technologies selected for assessment:** T1: Fallow land  
T2: Use of turmeric (variety Suroma) under shaded area of old plantation
- Source of technology:** JNKVV, Jabalpur (year 1999)
- Thematic area:** Farming System.
- Performance of the Technology with performance indicators:** Crop growth data, Yield of crop, BC ratio, Farmers reaction
- Final recommendation for micro level situation:** Turmeric can be grown successfully under the shade of old plantation.
- Constraints identified and feedback for research:** No
- Process of farmer's participation and their reaction:** Group meeting, training & awareness, field selection, distribution of input. Farmers have positive response.

#### Results of On Farm Trials

| Crop/ enterprise | Farming situation | Problem Diagnosed   | Title of OFT  | No. of trials* | Technology Assessed  | Parameters of assessment                                    |
|------------------|-------------------|---|---|----------------|--|---|
| Turmeric         | Rainfed condition | Use of shaded plantation area is not a practice in Umaria district (problem in 100%). | Assessment of intercropping of Suroma variety of turmeric under shaded cropping system. | 13             | Use of turmeric (variety Suroma) under shaded area of old plantation | Crop growth data, Yield of crop, BC ratio, Farmers reaction |

| Data on the parameter | Results of assessment | Feedback from the farmer | Any refinement done | Justification for refinement |
|-----------------------|-----------------------|--------------------------|---------------------|------------------------------|
|                       |                       |                          |                     |                              |

| Technology Assessed/<br>Refined   | Production per unit | Net Return (Profit)<br>in Rs./ unit | BC Ratio |
|---|---------------------|-------------------------------------|----------|
| T1: Fallow land   | No production       | -                                   | -        |
| T2: Use of turmeric<br>(variety Suroma)<br>under shaded area of<br>old plantation | 142 q/ha.           | 2,32,000                            | 5.45     |

#### OFT No. 6

- Title of on-farm trials:** Assessment of group approach through farmer interest group of Paddy grower for SRI system.
- Problem diagnose:** Farmers are not united for their own interest (Problem in 100%)
- Details of technologies selected for assessment:** T1: Individual approach (Non selected village) T2: Technology dissemination of SRI system through FIGs.
- Source of technology:** MYRADA, Bangalore
- Thematic area:** Technology dissemination through FIGs.
- Performance of the Technology with performance indicators:** Presence in training, Demonstration, Technology adopted, Net annual income, Farmers feed back & reactions
- Final recommendation for micro level situation:**
- Constraints identified and feedback for research:** No
- Process of farmer's participation and their reaction:** Group meeting, training & awareness, field selection, layout and distribution of input. Farmers have positive response.

#### Results of On Farm Trials

| Crop/<br>enterprise | Farming<br>situation | Problem<br>Diagnosed   | Title of OFT  | No.<br>of<br>trials* | Technology<br>Assessed  | Parameters of<br>assessment   |
|---------------------|----------------------|--|---|----------------------|---|---|
| SRI<br>System       | Rainfed<br>condition | Farmers<br>are not<br>united<br>for their<br>own<br>interest<br>(Problem<br>in 100%) | Assessment<br>of group<br>approach<br>through<br>farmer<br>interest<br>group of<br>Paddy<br>grower for<br>SRI system. | 6                    | Technology<br>dissemination<br>of SRI system<br>through FIGs. | Presence in<br>training,<br>Demonstration,<br>Technology<br>adopted, Net<br>annual<br>income, Farmers<br>feed back &<br>reactions |

| Data on the<br>parameter | Results of<br>assessment | Feedback from the farmer | Any<br>refinement<br>done | Justification for<br>refinement |
|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------------|
|                          |                          |                          |                           |                                 |

| Technology Assessed / | Production per unit | Net Return (Profit) | BC Ratio |
|-----------------------|---------------------|---------------------|----------|
|-----------------------|---------------------|---------------------|----------|

| Refined  |  | in Rs./ unit |                |
|--|--|--------------|----------------|
| T1: Individual approach (Non selected village)           |  |              |                |
| T2: Technology dissemination of SRI system through FIGs. |  |              | Result awaited |

#### OFT No. 7

- Title of on-farm trials:** Assessment of the effect of group approach through farmer interest of Lac production on Palash plants.
- Problem diagnose:** Farmers are not united for their own interest (Problem in 100%)
- Details of technologies selected for assessment:** T1: Individual approach (Non selected village) T2: Lac production on Palash plants Technology dissemination through FIGs.
- Source of technology:** MYRADA, Bangalore
- Thematic area:** Technology dissemination through FIGs.
- Performance of the Technology with performance indicators:** Presence in training, Demonstration, Technology adopted, Net annual income, Farmers feed back & reactions
- Final recommendation for micro level situation:** Final production and profit assessment at farmer's field will be done at Nov. Des. 08
- Constraints identified and feedback for research:** No
- Process of farmer's participation and their reaction:** Group meeting, training & awareness, field selection, layout and distribution of input. Farmers have positive response.

#### Results of On Farm Trials

| Crop/ enterprise | Farming situation | Problem Diagnosed   | Title of OFT  | No. of trials* | Technology Assessed  | Parameters of assessment  |
|------------------|-------------------|---|---|----------------|--|---|
| Lac on Palash    | Rainfed condition | Farmers are not united for their own interest (Problem in 100%) | Assessment of the effect of group approach through farmer interest of Lac production on Palash plants | 6              | Lac production on Palash plants Technology dissemination through FIGs. | Presence in training, Demonstration, Technology adopted, Net annual income, Farmers feed back & reactions |

| Data on the parameter | Results of assessment | Feedback from the farmer | Any refinement done | Justification for refinement |
|-----------------------|-----------------------|--------------------------|---------------------|------------------------------|
|                       |                       |                          |                     |                              |

| Technology Assessed / Refined   | Production per unit | Net Return (Profit) in Rs. / unit | BC Ratio       |
|---|---------------------|-----------------------------------|----------------|
| T1: Individual approach (Non selected village)                                |                     |                                   |                |
| T2: Lac production on Palash plants<br>Technology dissemination through FIGs. |                     |                                   | Result awaited |

### OFT No. 8

- Title of on-farm trials:** Assessment of information source that is kishan mobile sandesh (KMS) through mobile for dissemination of agricultural technology in due time to RAEOs and farmer
- Problem diagnose:** Non availability of technical know how in critical time (Problem in 100%)
- Details of technologies selected for assessment:** T1: Farmers receiving no mobile sandesh  
T2: kishan mobile sandesh (KMS) through mobile.
- Source of technology:** KVK, BARAMATI Maharashtra (year 2005)
- Thematic area:** Technology dissemination through advance communication.
- Performance of the Technology with performance indicators:** **A Technical observation:** Effective source IT Understanding about the message requirement of stranded Masses **B. Economic Indicators:** save the losses through apply message **C. Farmers reaction:** Pros of technology involved suggestion if any
- Final recommendation for micro level situation:** Final production and profit assessment at farmers field will be done at Des. 08
- Constraints identified and feedback for research:** No
- Process of farmer's participation and their reaction:** Group meeting, training & awareness. Farmers have positive response.

### Results of On Farm Trials

| Crop/ enterprise     | Farming situation | Problem Diagnosed   | Title of OFT  | No. of trials* | Technology Assessed                         | Parameters of assessment  |
|----------------------|-------------------|---|---|----------------|---|---|
| Kisan mobile Sandesh |                   | Non availability of technical know how in critical time (Problem in 100%) | Assessment of information source that is kishan mobile sandesh (KMS) through mobile for dissemination of agricultural technology in | 120            | kishan mobile sandesh (KMS) through mobile. | <b>A Technical observation:</b> Effective source IT Understanding about the message requirement of stranded Masses <b>B. Economic Indicators:</b> save the losses through apply message <b>C. Farmers reaction:</b> Pros of technology involved suggestion if any |

|  |  |  |                              |  |  |  |
|--|--|--|------------------------------|--|--|--|
|  |  |  | due time to RAEOs and farmer |  |  |  |
|--|--|--|------------------------------|--|--|--|

| Data on the parameter | Results of assessment | Feedback from the farmer | Any refinement done | Justification for refinement |
|-----------------------|-----------------------|--------------------------|---------------------|------------------------------|
|                       |                       |                          |                     |                              |

| Technology Assessed/ Refined                    | Production per unit | Net Return (Profit) in Rs./ unit | BC Ratio       |
|---|---------------------|----------------------------------|----------------|
| T1: Farmers receiving no mobile sandesh         |                     |                                  |                |
| T2: kishan mobile sandesh (KMS) through mobile. |                     |                                  | Result awaited |

#### OFT No. 9

- Title of on-farm trials:** Assessment of variety Agrifound dark red of Kharif onion.
- Problem diagnose:** No knowledge of kharif onion (100% area).
- Details of technologies selected for assessment:** T1: No kharif onion crop  
T2: Improved variety ADR of onion during Kharif season.
- Source of technology:** JNKVV, 1998
- Thematic area:** Cropping system.
- Performance of the Technology with performance indicators:** Size and weight of bulb, Yield q/ha, BC ratio, farmers reaction
- Final recommendation for micro level situation:** Due to heavy rains during nursery stage, nursery plants damaged in nursery bed. Hence transplanting couldn't be possible in main field. The same experiment is planned again in 2009 kharif season.
- Constraints identified and feedback for research:** Time of nursery seed sowing is appeared more sensitive, hence it should be worked out properly with light soil condition of Umaria district.
- Process of farmer's participation and their reaction:** Group meeting, training & awareness, field selection, layout and distribution of input.

#### Results of On Farm Trials

| Crop/ enterprise | Farming situation | Problem Diagnosed            | Title of OFT                          | No. of trials* | Technology Assessed           | Parameters of assessment                |
|------------------|-------------------|------------------------------|---------------------------------------|----------------|-------------------------------|---|
| Onion            | Rainfed condition | No knowledge of kharif onion | Assessment of improved variety ADR of | 6              | Improved variety ADR of onion | Size and weight of bulb, Yield q/ha, BC |

|  |  |              |              |  |                       |                         |
|--|--|--------------|--------------|--|-----------------------|-------------------------|
|  |  | (100% area). | Kharif onion |  | during Kharif season. | ratio, farmers reaction |
|--|--|--------------|--------------|--|-----------------------|-------------------------|

| Data on the parameter | Results of assessment | Feedback from the farmer | Any refinement done | Justification for refinement |
|-----------------------|-----------------------|--------------------------|---------------------|------------------------------|
|                       |                       |                          |                     |                              |

| Technology Assessed/ Refined                            | Production per unit  | Net Return (Profit) in Rs./ unit | BC Ratio |
|---|--|----------------------------------|----------|
| T1: No kharif onion crop                                |  |                                  |          |
| T2: Improved variety ADR of onion during Kharif season. | Due to heavy rains during nursery stage, nursery plants damaged in nursery bed. Hence transplanting couldn't be possible in main field |                                  |          |

#### OFT No. 10

- Title of on-farm trials:** Assessment of Mancozab + Metalaxyl for management of Phytophthora disease in Potato
- Problem diagnose:** Incidence of disease in Potato. (65% area).
- Details of technologies selected for assessment:** T1: Farmers practice  
T2: Seed treatment + spray of Mancozab 64% + Metalaxyl 8 % @ 2.5 gm/lt. Water at 30 and 50 DAS
- Source of technology:** CPRI and JNKVV (Year 2000)
- Thematic area:** Integrated disease Management.
- Performance of the Technology with performance indicators:** Size and weight of tuber, Yield q/ha, BC ratio, farmers reaction.
- Final recommendation for micro level situation:**
- Constraints identified and feedback for research:** No
- Process of farmer's participation and their reaction:** Group meeting, training & awareness, field selection, layout and distribution of input

#### Results of On Farm Trials

| Crop/ enterprise | Farming situation   | Problem Diagnosed                           | Title of OFT   | No. of trials* | Technology Assessed  | Parameters of assessment                                   |
|------------------|---------------------|---|--|----------------|--|--|
| Potato           | Irrigated condition | Incidence of disease in Potato. (65% area). | Assessment of Mancozab + Metalaxyl for management of Phytophthora disease in | 8              | Seed treatment + spray of Mancozab 64% + Metalaxyl 8 % @ 2.5 gm/lt. Water at 30 and 50 DAS | No of tubers/plant, Yield q/ha, BC ratio, Farmers reaction |

|  |  |  |        |  |  |  |
|--|--|--|--------|--|--|--|
|  |  |  | Potato |  |  |  |
|--|--|--|--------|--|--|--|

| Data on the parameter | Results of assessment | Feedback from the farmer | Any refinement done | Justification for refinement |
|-----------------------|-----------------------|--------------------------|---------------------|------------------------------|
|                       |                       |                          |                     |                              |

| Technology Assessed / Refined  | Production per unit | Net Return (Profit) in Rs. / unit | BC Ratio       |
|--|---------------------|-----------------------------------|----------------|
| T1: Farmers practice   | 15.89 t/ha.         |                                   |                |
| T2: Seed treatment + spray of Mancozab 64% + Metalaxyl 8 % @ 2.5 gm/lt. Water at 30 and 50 DAS | 18.96 t/ha.         |                                   | Result awaited |

### OFT No. 11

- Title of on-farm trials:** Assessment of Composite Dewormer (IVOMEK) for control of endo and ecto parasite in the animals.
- Problem diagnose:** Low production due to endo and ecto parasite infestation.
- Details of technologies selected for assessment:** T1: Farmers practice  
T2: Composite Dewormer (IVOMEK).
- Source of technology:** IVRI
- Thematic area:** Integrated disease Management.
- Performance of the Technology with performance indicators:** Faecal sample examination for % of helminthes (eggs) pre and post treatment, Skin samples examination for ecto parasite pre and post treatment, Body weight, Production
- Final recommendation for micro level situation:**
- Constraints identified and feedback for research:** No
- Process of farmer's participation and their reaction:** Group meeting, training & awareness, field selection, layout and distribution of input

### Results of On Farm Trials

| Crop/ enterprise | Farming situation   | Problem Diagnosed                           | Title of OFT  | No. of trials* | Technology Assessed  | Parameters of assessment                                   |
|------------------|---------------------|---|---|----------------|--|--|
| Potato           | Irrigated condition | Incidence of disease in Potato. (65% area). | Assessment of Mancozab + Metalaxyl for management of Phytophthora disease in Potato | 8              | Seed treatment + spray of Mancozab 64% + Metalaxyl 8 % @ 2.5 gm/lt. Water at 30 and 50 DAS | No of tubers/plant, Yield q/ha, BC ratio, Farmers reaction |

| Data on the parameter | Results of assessment | Feedback from the farmer | Any refinement | Justification for refinement |
|-----------------------|-----------------------|--------------------------|----------------|------------------------------|
|                       |                       |                          |                |                              |

|  |  |  |      |  |
|--|--|--|------|--|
|  |  |  | done |  |
|  |  |  |      |  |

| Technology Assessed / Refined  | Production per unit | Net Return (Profit) in Rs. / unit | BC Ratio       |
|--|---------------------|-----------------------------------|----------------|
| T1: Farmers practice   | 15.89 t/ha.         |                                   |                |
| T2: Seed treatment + spray of Mancozab 64% + Metalaxyl 8 % @ 2.5 gm/lt. Water at 30 and 50 DAS | 18.96 t/ha.         |                                   | Result awaited |

### OFT 12

- Title of on-farm trials:** Assessment of variety JG-130 with full packages and practices of gram.
- Problem diagnose:** Low yield potential of local varieties. (Problem in 80% area)
- Details of technologies selected for assessment:** T1: Local low yielding variety (JG-315)  
T2: high yielding variety JG-130 with full packages and practices of gram
- Source of technology:** JNKVV, (Year 2006)
- Thematic area:** Integrated disease Management.
- Performance of the Technology with performance indicators:** Plant population, No. of branches and pods/plant, yield q/ha.
- Final recommendation for micro level situation:**
- Constraints identified and feedback for research:** No
- Process of farmer's participation and their reaction:** Group meeting, training & awareness, field selection, layout and distribution of input

### Results of On Farm Trials

| Crop/enterprise | Farming situation   | Problem Diagnosed                           | Title of OFT  | No. of trials* | Technology Assessed  | Parameters of assessment                                   |
|-----------------|---------------------|---|---|----------------|--|--|
| Potato          | Irrigated condition | Incidence of disease in Potato. (65% area). | Assessment of Mancozab + Metalaxyl for management of Phytophthora disease in Potato | 8              | Seed treatment + spray of Mancozab 64% + Metalaxyl 8 % @ 2.5 gm/lt. Water at 30 and 50 DAS | No of tubers/plant, Yield q/ha, BC ratio, Farmers reaction |

| Data on the parameter | Results of assessment | Feedback from the farmer | Any refinement done | Justification for refinement |
|-----------------------|-----------------------|--------------------------|---------------------|------------------------------|
|                       |                       |                          |                     |                              |

| Technology Assessed / Refined | Production per unit | Net Return (Profit) in Rs. / unit | BC Ratio |
|-------------------------------|---------------------|-----------------------------------|----------|
|                               |                     |                                   |          |

|  |                |  |                |
|--|----------------|--|----------------|
| T1: Farmers practice   | 15.89<br>t/ha. |  |                |
| T2: Seed treatment + spray of Mancozab 64% + Metalaxyl 8 % @ 2.5 gm/lt. Water at 30 and 50 DAS | 18.96<br>t/ha. |  | Result awaited |

### OFT 13

- Title of on-farm trials:** Assessment of GW-273 with full packages of practice in wheat.
- Problem diagnose:** Low yield potential of local varieties. (Problem in 70% area)
- Details of technologies selected for assessment:** T1: Local Variety (WH-147)  
T2: HYV (GW-273) with full packages of practice in wheat.
- Source of technology:** JNKVV, (Year 2004)
- Thematic area:** Integrated disease Management.
- Performance of the Technology with performance indicators:** Plant population, No. of branches and pods/plant, yield q/ha.
- Final recommendation for micro level situation:**
- Constraints identified and feedback for research:** No
- Process of farmer's participation and their reaction:** Group meeting, training & awareness, field selection, layout and distribution of input

### Results of On Farm Trials

| Crop/enterprise | Farming situation   | Problem Diagnosed                           | Title of OFT  | No. of trials* | Technology Assessed                                  | Parameters of assessment   |
|-----------------|---------------------|---|---|----------------|--|--|
| Potato          | Irrigated condition | Incidence of disease in Potato. (65% area). | Assessment of GW-273 with full packages of practice in wheat. | 8              | HYV (GW-273) with full packages of practice in wheat | Plant population, Plant height, No. of Effective tiller/sq.m., No. of seeds/ear, grain yield q/ha. |

| Data on the parameter | Results of assessment | Feedback from the farmer | Any refinement done | Justification for refinement |
|-----------------------|-----------------------|--------------------------|---------------------|------------------------------|
|                       |                       |                          |                     |                              |

| Technology Assessed / Refined                                | Production per unit | Net Return (Profit) in Rs. / unit | BC Ratio       |
|--|---------------------|-----------------------------------|----------------|
| T1: Farmers practice   | 15.89<br>t/ha.      |                                   |                |
| T2: Seed treatment + spray of Mancozab 64% + Metalaxyl 8 % @ | 18.96<br>t/ha.      |                                   | Result awaited |

|                                    |  |  |  |
|------------------------------------|--|--|--|
| 2.5 gm/lit. Water at 30 and 50 DAS |  |  |  |
|------------------------------------|--|--|--|

| Source of technology | Characteristic of variety   | Farming situation | Performance indicator/parameter  |
|----------------------|---|-------------------|--|
| JNKVV<br>(Year 2004) | High yielding variety, good quality characters, medium duration, irrigation and fertilizer responsive | Irrigated         | Plant population, Plant height, No. of Effective tiller/sq.m., No. of seeds/ear, grain yield q/ha. |

### 3.2 Achievements of Frontline Demonstrations

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

List of technologies demonstrated during previous year (year 2007-08) and popularized during 2008-09 and recommended for large scale adoption in the district.

| S. No | Thematic Area* | Technology demonstrated   | Details of popularization methods suggested to the Extension system | Horizontal spread of technology |                |            |
|-------|----------------|---|---|---------------------------------|----------------|------------|
|       |                |   |   | No. of villages                 | No. of farmers | Area in ha |
| 1     | Varietal       | Introd. of short duration paddy JR-201 for upland banded field  |   |                                 |                |            |
| 2     | Varietal       | Introd. of long duration Kranti variety of paddy for lowland banded field                             |   |                                 |                |            |
| 3     | Full package   | Introd. of high yielding TKG-8 sesame variety with full package of practice for maximizing production |   |                                 |                |            |
| 4     | Full package   | Introduction of high yielding PDU-1 urid variety with full  |   |                                 |                |            |

|   |         |  |  |  |  |  |
|---|---------|--|--|--|--|--|
|   |         | package of practice for maximizing production                                    |  |  |  |  |
| 5 | Variety | Transplanting of grafted aonla in low productive mono cropped area               |  |  |  |  |
| 6 | Variety | Transplanting of clonal eucalyptus in low productive mono cropped area           |  |  |  |  |
| 7 | Variety | Introduction of high yielding JL-3 lentil variety for maximizing production      |  |  |  |  |
| 8 | Variety | Introduction of high yielding JLS-2310 linseed variety for maximizing production |  |  |  |  |
| 9 | Variety | Intro. of high yielding wheat DL 788-2 variety for maximizing prod.              |  |  |  |  |

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

**b. Details of FLDs implemented during 2007-08 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)**

| S. No. | Crop   | Thematic area   | Technology Demonstrated   | Season and year | Area (ha) |        | No. of farmers/ demonstration |        |       | Reasons for shortfall in achievement |
|--------|--------|-----------------|---|-----------------|-----------|--------|-------------------------------|--------|-------|--------------------------------------|
|        |        |                 |   |                 | Proposed  | Actual | SC/ST                         | Others | Total |                                      |
| 1      | Paddy  | Weed management | Demonstration of Pyrazosulfuron @ 20 gm a.i./ha as pre emergence application for weed control in transplanted paddy | Kharif-08       | 2ha       | 2.4    | 0                             | 6      | 6     | Nil                                  |
| 2      | Paddy  | Weed management | Demonstration of Fenoxaprop-p-ethyl @ 80 gm.a.i. per ha for weed control in direct seeded paddy                     | Kharif-08       | 2 ha      |        |                               |        |       |                                      |
| 3      | Sesame | Varietal        | Demonstration of improved production techniques of Sesame TKG-306 oilseed crops during Kharif season                | Kharif-08       | 5 ha      | 5      | 4                             | 9      | 13    | Nil                                  |
| 4      | Urid   | Varietal        | Demonstration of improved   | Kharif-08       | 5 ha      | 5      | 4                             | 9      | 13    | Nil                                  |

| S. No. | Crop   | Thematic area   | Technology Demonstrated   | Season and year | Area (ha) |        | No. of farmers/ demonstration |        |       | Reasons for shortfall in achievement |
|--------|--|-----------------|---|-----------------|-----------|--------|-------------------------------|--------|-------|--------------------------------------|
|        |  |                 |   |                 | Proposed  | Actual | SC/ST                         | Others | Total |                                      |
|        |  |                 | production techniques of Urid JU-86 pulses crops during Kharif season                         |                 |           |        |                               |        |       |                                      |
| 5      | eucalyptus                                     | Varietal        | Transplanting of clonal eucalyptus in low productive mono cropped area                        | Kharif-08       | 2 ha      | 2.4    | 1                             | 5      | 6     | Nil                                  |
| 6      | Aonla  | Varietal        | Demonstration of grafted variety of aonla in low productive areas                             | Kharif-08       | 2 ha      | 2      | 0                             | 5      | 5     | Nil                                  |
| 7      | Sesame in newly established Aonla & eucalyptus | Intercropping   | Assessment of intercropping of kharif agriculture crop-Sesame in newly established plantation | Kharif-08       | 2 ha      | 2      | 1                             | 4      | 5     | Nil                                  |
| 8      | Wheat  | Weed management | Demon. of Metsulfuron methyl @ 4-6 gm a.i./ha 30 DAS for                                      | Rabi 08         | 2 ha      |        |                               |        |       | Nil                                  |

| S. No. | Crop    | Thematic area    | Technology Demonstrated   | Season and year | Area (ha) |        | No. of farmers/ demonstration |        |       | Reasons for shortfall in achievement |
|--------|---------|------------------|---|-----------------|-----------|--------|-------------------------------|--------|-------|--------------------------------------|
|        |         |                  |   |                 | Proposed  | Actual | SC/ST                         | Others | Total |                                      |
|        |         |                  | control of broad leaved weeds in wheat  |                 |           |        |                               |        |       |                                      |
| 9      | Wheat   | Weed management  | Demon. of Clodinofof @ 60 gm a.i./ha 25-30 DAS for control of narrow leaved weeds in wheat  | Rabi 08         | 2 ha      |        |                               |        |       | Nil                                  |
| 10     | Gram    | Varietal         | Demon. of improved production techniques of gram JG-216 pulses crops during rabi season     | Rabi 08         | 5 ha      |        |                               |        |       | Nil                                  |
| 11     | Linseed | Varietal         | Demon. of improved production techniques of Linseed JLS-27 oilseed crops during rabi season | Rabi 08         | 5 ha      |        |                               |        |       | Nil                                  |
| 12     | wheat   | Serrated sickles | Demon. of serrated sickles on harvesting  | Rabi 08         | 2 ha      |        |                               |        |       | Nil                                  |

| S. No. | Crop      | Thematic area        | Technology Demonstrated   | Season and year | Area (ha) |        | No. of farmers/ demonstration |        |       | Reasons for shortfall in achievement |
|--------|-----------|----------------------|---|-----------------|-----------|--------|-------------------------------|--------|-------|--------------------------------------|
|        |           |                      |   |                 | Proposed  | Actual | SC/ST                         | Others | Total |                                      |
|        |           |                      | efficiency of wheat crop  |                 |           |        |                               |        |       |                                      |
| 13     | Safflower | Crop Diversification | Demonstration the spine variety safflower as boundary crop for protection of wild animal and cattle | Rabi-08         | 2.5       |        |                               |        |       |                                      |

#### Details of farming situation

| Crop       | Season    | Farming situation (RF/Irrigated) | Soil type  | Status of soil |   |   | Previous crop | Sowing date | Harvest date | Seasonal rainfall (mm) | No. of rainy days |
|------------|-----------|----------------------------------|------------|----------------|---|---|---------------|-------------|--------------|------------------------|-------------------|
|            |           |                                  |            | N              | P | K |               |             |              |                        |                   |
| Paddy      | Kharif-08 | IR                               | Light soil | L              | L | M | Wheat         | July-08     | -            | 612.70                 | 48                |
| Paddy      | Kharif-08 | RF                               | Light soil | L              | L | M | Wheat         | July-08     | -            | 612.70                 | 48                |
| Sesame     | Kharif-08 | RF                               | Light soil | L              | L | M | Linseed       | July-08     | -            | 612.70                 | 48                |
| Urid       | Kharif-08 | RF                               | Light soil | L              | L | M | Linseed       | July-08     | -            | 612.70                 | 48                |
| eucalyptus | Kharif-08 | RF                               | Light soil | L              | L | M | Fallow        | July-08     | -            | 612.70                 | 48                |
| Aonla      | Kharif-08 | RF                               | Light soil | L              | L | M | Fallow        | July-08     | -            | 612.70                 | 48                |

|   |           |     |            |   |   |   |        |         |   |        |    |
|---|-----------|-----|------------|---|---|---|--------|---------|---|--------|----|
| Sesame in newly established Aonla & eucalyptus  | Kharif-08 | RF  | Light soil | L | L | M | Fallow | July-08 | - | 612.70 | 48 |
| Metsulfuron methyl @ 4-6 gm a.i./ha 30 DAS for control of broad leaved weeds in wheat | Rabi 08   |     |            |   |   |   |        |         |   |        |    |
| gram  | Rabi 08   |     |            |   |   |   |        |         |   |        |    |
| Linseed   | Rabi 08   |     |            |   |   |   |        |         |   |        |    |
| serrated sickles on harvesting efficiency of wheat crop                               | Rabi 08   |     |            |   |   |   |        |         |   |        |    |
| Safflower   | Rabi 08   | S/I |            |   |   |   |        |         |   |        |    |

### Performance of FLD

| Sl. No | Crop  | Technology Demonstrated  | Variety                       | No. of Farmers | Area (ha.) | Demo. Yield Qtl/ha |   |   | Yield of local Check Qtl/ha | Increase in yield (%) | Data on parameter in relation to technology demonstrated cost |                |
|--------|-------|--|-------------------------------|----------------|------------|--------------------|---|---|-----------------------------|-----------------------|---|----------------|
|        |       |  |                               |                |            | H                  | L | A |                             |                       | Demo  | Local          |
| 1      | 2     | 3  | 4                             | 5              | 6          | 7                  | 8 | 9 | 10                          | 11                    | 12  | 13             |
| 1      | Paddy | Demon. of Pyrazosulfuron @ 20 gm a.i./ha as pre emergence application for weed | Pyrazosulfuron @ 20 gm a.i./h | 6              | 2.4        | -                  | - | - | -                           | -                     | -   | Result Awaited |

|   |            |   |   |    |        |   |   |   |   |   |   |                |
|---|------------|---|---|----|--------|---|---|---|---|---|---|----------------|
|   |            | control in transplanted paddy   |   |    |        |   |   |   |   |   |   |                |
| 2 | Paddy      | Demon. of Fenoxaprop-p-ethyl @ 80 gm.a.i. per ha for weed control in direct seeded paddy      | Fenoxa prop-p-ethyl @ 80 gm.a.i. per ha |    |        | - | - | - | - | - | - | Result Awaited |
| 3 | Sesame     | Demon. of improved production techniques of Sesame TKG-306 oilseed crops during Kharif season | TKG-306                                 | 13 | 5 ha   | - | - | - | - | - | - | Result Awaited |
| 4 | Urid       | Demon. of improved production techniques of Urid JU-86 pulses crops during Kharif season      | JU-86                                   | 13 | 5 ha   | - | - | - | - | - | - | Result Awaited |
| 5 | eucalyptus | Transplanting of clonal eucalyptus in low productive mono cropped area                        | OPM-52                                  | 6  | 2.4 ha | - | - | - | - | - | - | Result Awaited |
| 6 | Aonla      | Demon. of   | Kancha                                  | 5  | 2      | - | - | - | - | - | - | Result         |

|    |  |   |   |   |      |   |   |   |   |   |   |   |                |
|----|--|---|---|---|------|---|---|---|---|---|---|---|----------------|
|    |  | grafted variety of aonla in low productive areas  | n, Chakaiya, NA-7   |   | ha   |   |   |   |   |   |   |   | Awaited        |
| 7  | Sesame in newly established Aonla & eucalyptus | Assessment of intercropping of kharif agriculture crop-Sesame in newly established plantation | JTS-8   | 5 | 2 ha | - | - | - | - | - | - | - | Result Awaited |
| 8  | wheat  | Rabi 08   | Metsulfuron methyl @ 4-6 gm a.i./ha 30 DAS for control of broad leaved weeds in wheat |   |      |   |   |   |   |   |   |   |                |
| 9  | gram   | Rabi 08   | gram  |   |      |   |   |   |   |   |   |   |                |
| 10 | Linseed  | Rabi 08   | Linseed   |   |      |   |   |   |   |   |   |   |                |
| 11 | serrated sickles                               | Rabi 08   | serrated sickles on   |   |      |   |   |   |   |   |   |   |                |

|    |           |         |   |  |  |  |  |  |  |  |  |  |
|----|-----------|---------|---|--|--|--|--|--|--|--|--|--|
|    |           |         | harvesting efficiency of wheat crop   |  |  |  |  |  |  |  |  |  |
| 12 | Safflower | Rabi 08 | Demonstration the spine variety safflower as boundary crop for protection of wild animal and cattle |  |  |  |  |  |  |  |  |  |

**Economic Impact (continuation of previous table)**

| S. No./ crop                                   | Average Cost of cultivation (Rs./ha) |             | Average Gross Return (Rs./ha) |             | Average Net Return (Profit) (Rs./ha) |             | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|--|--------------------------------------|-------------|-------------------------------|-------------|--------------------------------------|-------------|--|
|  | Demons                               | Local check | Demon                         | Local Check | Demons                               | Local check |  |
| 1  | 14                                   | 15          | 16                            | 17          | 18                                   | 19          | 20   |
| Paddy  |                                      |             |                               |             |                                      |             |  |
| Paddy  |                                      |             |                               |             |                                      |             |  |
| Sesame   |                                      |             |                               |             |                                      |             |  |
| Urid   |                                      |             |                               |             |                                      |             |  |
| eucalyptus                                     |                                      |             |                               |             |                                      |             |  |
| Aonla  |                                      |             |                               |             |                                      |             |  |
| Sesame in newly established Aonla & eucalyptus |                                      |             |                               |             |                                      |             |  |
| wheat  |                                      |             |                               |             |                                      |             |  |
| gram   |                                      |             |                               |             |                                      |             |  |
| Linseed  |                                      |             |                               |             |                                      |             |  |
| serrated sickles                               |                                      |             |                               |             |                                      |             |  |
| Safflower                                      |                                      |             |                               |             |                                      |             |  |

**Analytical Review of component demonstrations (details of each component for rainfed / irrigated situations to be given separately for each season).**

| Crop | Season | Component | Farming situation | Average yield (q/ha) | Local check (q/ha) | Percentage increase in productivity over local check |
|------|--------|-----------|-------------------|----------------------|--------------------|--|
|      |        |           |                   |                      |                    |  |

|  |           |   |           |   |   |                |
|--|-----------|---|-----------|---|---|----------------|
| Paddy  | Kharif-08 | Weed management-<br>Pyrazosulfuron @ 20<br>gm a.i./h          | Irrigated | - | - | Result Awaited |
| Paddy  | Kharif-08 | Weed management-<br>Fenoxaprop-p-ethyl @<br>80 gm.a.i. per ha | Rain fed  | - | - | Result Awaited |
| Sesame   | Kharif-08 | TKG-306   | Rain fed  | - | - | Result Awaited |
| Urid   | Kharif-08 | JU-86   | Rain fed  | - | - | Result Awaited |
| eucalyptus   | Kharif-08 | OPM-52  | Rain fed  | - | - | Result Awaited |
| Aonla  | Kharif-08 | Knachan, Chakaiya,<br>NA-7                                    | Rain fed  | - | - | Result Awaited |
| Sesame in<br>newly<br>established<br>Aonla &<br>eucalyptus | Kharif-08 | JTS-8   | Rain fed  | - | - | Result Awaited |
|  |           |   |           |   |   |                |
|  |           |   |           |   |   |                |
|  |           |   |           |   |   |                |

### Technical Feedback on the demonstrated technologies

| S. No | Feed Back  |
|-------|--|
| 1     | SRI system: SRI has given production of 53.5 q/ha as compare to 26.9 q/ha control, thus giving additional income of 11660 Rs/ha  |
| 2     | Ginger cultivation under the shade: It has given additional income of Rs 55000 ha with production of 22 t/ha of ginger is shade which is otherwise left blank by farmers.                    |
| 3     | Clonal plantation: Better growth and survival of plants.   |
| 4     | Use of grafted aonla in unproductive mono cropped field with cropping of til has given 4100 Rs/ha additional income in between plantation.   |
| 5     | Kodo variety: Poor germination in GPUK-3 kodo variety in farmers field has negative impact on replacement of local variety of kodo. Hence OFT on Kodo variety will be assessed in next year. |
| 6     | Improved variety of ginger is liked by the farmers for their good crop stand at initial stage of crop growth.  |
| 7     | Lac on palash has created reintroduction of this technology in their palash tree. It has given 130 Rs/plant brood lac.   |

|    |   |
|----|---|
|    | This has positive remark and farmers liked this technique.  |
| 8  | Bio fertilizer has positive effect on vegetative growth on pigeon pea crop  |
| 9  | Pitcher technique of irrigation has positive effect on farmers mind due to initial lower cost.                              |
| 10 | Pre and post emergence of chemical weed control is liked by the farmers at this stage due to cost and time saving technique |

### Farmers' reactions on specific technologies

| S. No | Feed Back   |
|-------|---|
| 1     | SRI system: Farmers has shown keen interest in learning the SRI system of paddy cultivation   |
| 2     | Ginger cultivation under the shade: Farmers has shown positive response towards adoption of this techniques in their unutilized shaded area                             |
| 3     | Line transplanting of paddy: Initial result on line transplanting has positive remarks on farmers mind  |
| 4     | Clonal plantation: Use of clones of eucalyptus in farmers unproductive land has shown good growth. The result of crop growth has positive response in farmers mine      |
| 5     | Use of grafted aonla in unproductive mono cropped field with cropping of til/ arhar in between plantation has positive response of farmers.                             |
| 6     | Kodo variety: Poor germination in GPUK-3 kodo variety in farmers field has negative impact on replacement of local variety of kodo.                                     |
| 7     | Improved variety of ginger is liked by the farmers for their good crop stand at initial stage of crop growth.   |
| 8     | Lac on palash has created reintroduction of this technology in their palash tree. This has positive remark and farmers liked this technique.                            |
| 9     | Bio fertilizer has positive effect on vegetative growth on pigeon pea crop  |
| 10    | Use of wilt resistant variety of Asha pigeon pea has positive response in field till fruting stage, harvesting of crop could not be done due to severe attack of frost. |
| 11    | Jalkunda technique of water harvesting has mix effect on farmers mind due to higher initial cost and severe attack of rats.   |
| 12    | Pre and post emergence of chemical weed control is liked by the farmers at this stage due to cost and time saving technique   |

### Extension and Training activities under FLD

| S. No. | Activity                    | No. of activities organised  | Date     | Number of participants | Remarks |
|--------|-----------------------------|--|----------|------------------------|---------|
| 1      | Field days/ Kisan sangosthi | Field day on pulse crop  | 9/10/07  | 67                     |         |
|        |                             | kisan sangosthi on oilseed crop- linseed                             | 27/10/07 | 35                     |         |
|        |                             | Field day on lentil crop   | 10/3/08  | 20                     |         |
|        |                             | Field day on linseed crop  | 12/3/08  | 40                     |         |
|        |                             | Field day on lentil crop   | 17/3/08  | 48                     |         |
| 2      | Farmers Training            | Improved packages and practices of linseed under irrigated condition | 1/10/07  | 20                     |         |
|        |                             | Production technology of lentil crop                                 | 25/10/07 | 17                     |         |
| 3      | Media coverage              | 25 Nos. news in different news paper                                 |          |                        |         |

### c. Details of FLD on Enterprises

#### (i) Farm Implements: Nil

| Name of the implement | crop | No. of farmers | Area (ha) | Performance parameters / indicators | Data on parameter in relation to technology demonstrated |             | % change in the parameter | Remarks |
|-----------------------|------|----------------|-----------|-------------------------------------|--|-------------|---------------------------|---------|
|                       |      |                |           |                                     | Demon.   | Local check |                           |         |
|                       |      |                |           |                                     |  |             |                           |         |

A) Field efficiency, labour saving etc.

**(ii) Livestock Enterprises: Nil**

| Enterprise | Breed | No. of farmers | No. of animals, poultry birds etc. | Performance parameters / indicators | * Data on parameter in relation to technology demonstrated |             | % change in the parameter | Remarks |
|------------|-------|----------------|------------------------------------|-------------------------------------|--|-------------|---------------------------|---------|
|            |       |                |                                    |                                     | Demon.   | Local check |                           |         |
|            |       |                |                                    |                                     |  |             |                           |         |

**B) Milk production, meat production, egg production, reduction in disease incidence etc.**

**(iii) Other Enterprises: Nil**

| Enterprise    | Variety/ breed/ Species/others | No. of farmers | No. of Units | Performance parameters / indicators | Data on parameter in relation to technology demonstrated |             | % change in the parameter | Remarks |
|---------------|--------------------------------|----------------|--------------|-------------------------------------|--|-------------|---------------------------|---------|
|               |                                |                |              |                                     | Demon.   | Local check |                           |         |
| Mushroom      |                                |                |              |                                     |  |             |                           |         |
| Apiary        |                                |                |              |                                     |  |             |                           |         |
| Sericulture   |                                |                |              |                                     |  |             |                           |         |
| Vermi compost |                                |                |              |                                     |  |             |                           |         |

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

#### C) ON Campus

| Thematic Area   | No. of Courses | Duration (days) | No. of Participants |        |       |       |        |       |             |
|---|----------------|-----------------|---------------------|--------|-------|-------|--------|-------|-------------|
|   |                |                 | Others              |        |       | SC/ST |        |       | Grand Total |
|   |                |                 | Male                | Female | Total | Male  | Female | Total |             |
| <b>(A) Farmers &amp; Farm Women</b>                   |                |                 |                     |        |       |       |        |       |             |
| <b>I Crop Production</b>                              |                |                 |                     |        |       |       |        |       |             |
| Weed Management                                       | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Resource Conservation Technologies                    | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Cropping Systems                                      | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Crop Diversification                                  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Integrated Farming                                    | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Water management                                      | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Seed production                                       | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Nursery management                                    | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Integrated Crop Management                            | 5              | 5               | 85                  | 0      | 85    | 49    | 0      | 49    | 134         |
| Fodder production                                     | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production of organic inputs                          | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>II Horticulture</b>                                |                |                 |                     |        |       |       |        |       |             |
| <b>a) Vegetable Crops</b>                             |                |                 |                     |        |       |       |        |       |             |
| Production of low volume and high value crops         | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Off-season vegetables                                 | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Nursery raising                                       | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Exotic vegetables like Broccoli                       | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Export potential vegetables                           | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Grading and standardization                           | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Protective cultivation (Green Houses, Shade Net etc.) | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>b) Fruits</b>                                      |                |                 |                     |        |       |       |        |       |             |
| Training and Pruning                                  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Layout and Management of Orchards                     | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Cultivation of Fruit                                  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Management of young plants/orchards                   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Rejuvenation of old orchards                          | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Export potential fruits                               | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Micro irrigation systems of orchards                  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Plant propagation techniques                          | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>c) Ornamental Plants</b>                           |                |                 |                     |        |       |       |        |       |             |
| Nursery Management                                    | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Management of potted plants                           | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Export potential of ornamental plants                 | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Propagation techniques of Ornamental Plants           | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>d) Plantation crops</b>                            |                |                 |                     |        |       |       |        |       |             |
| Production and Management technology                  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Processing and value addition                         | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>e) Tuber crops</b>                                 |                |                 |                     |        |       |       |        |       |             |
| Production and Management technology                  | 1              | 1               | 22                  | 4      | 26    | 5     | 4      | 9     | 35          |
| Processing and value addition                         | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>f) Spices</b>                                      |                |                 |                     |        |       |       |        |       |             |
| Production and Management technology                  | 1              | 1               | 32                  | 0      | 32    | 3     | 0      | 3     | 35          |
| Processing and value addition                         | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>g) Medicinal and Aromatic Plants</b>               |                |                 |                     |        |       |       |        |       |             |
| Nursery management                                    | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production and management technology                  | 1              | 1               | 19                  | 0      | 19    | 11    | 0      | 11    | 30          |
| Post harvest technology and value addition            | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>III Soil Health and Fertility Management</b>       |                |                 |                     |        |       |       |        |       |             |
| Soil fertility management                             | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |

| Thematic Area  | No. of Courses | Duration (days) | No. of Participants |        |       |       |        |       | Grand Total |
|--|----------------|-----------------|---------------------|--------|-------|-------|--------|-------|-------------|
|  |                |                 | Others              |        |       | SC/ST |        |       |             |
|  |                |                 | Male                | Female | Total | Male  | Female | Total |             |
| Soil and Water Conservation  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Integrated Nutrient Management                                       | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production and use of organic inputs                                 | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Management of Problematic soils                                      | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Micro nutrient deficiency in crops                                   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Nutrient Use Efficiency  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Soil and Water Testing   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>IV Livestock Production and Management</b>                        |                |                 |                     |        |       |       |        |       |             |
| Dairy Management   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Poultry Management   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Piggery Management   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Rabbit Management  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Disease Management   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Feed management  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production of quality animal products                                | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>V Home Science/Women empowerment</b>                              |                |                 |                     |        |       |       |        |       |             |
| Household food security by kitchen gardening and nutrition gardening | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Design and development of low/minimum cost diet                      | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Designing and development for high nutrient efficiency diet          | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Minimization of nutrient loss in processing                          | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Gender mainstreaming through SHGs                                    | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Storage loss minimization techniques                                 | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Value addition   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Income generation activities for empowerment of rural Women          | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Location specific drudgery reduction technologies                    | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Rural Crafts   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Women and child care   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>VI Agril. Engineering</b>   |                |                 |                     |        |       |       |        |       |             |
| Installation and maintenance of micro irrigation systems             | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Use of Plastics in farming practices                                 | 1              | 1               | 18                  | 0      | 18    | 7     | 0      | 7     | 25          |
| Production of small tools and implements                             | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Repair and maintenance of farm machinery and implements              | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Small scale processing and value addition                            | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Post Harvest Technology  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>VII Plant Protection</b>  |                |                 |                     |        |       |       |        |       |             |
| Integrated Pest Management   | 1              | 1               | 15                  | 0      | 15    | 9     | 2      | 11    | 26          |
| Integrated Disease Management  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Bio-control of pests and diseases                                    | 1              | 1               | 11                  | 0      | 11    | 4     | 10     | 14    | 25          |
| Production of bio control agents and bio pesticides                  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>VIII Fisheries</b>  |                |                 |                     |        |       |       |        |       |             |
| Integrated fish farming  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Carp breeding and hatchery management                                | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Carp fry and fingerling rearing                                      | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Composite fish culture   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Hatchery management and culture of freshwater prawn                  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Breeding and culture of ornamental fishes                            | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Portable plastic carp hatchery                                       | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Pen culture of fish and prawn  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |

| Thematic Area   | No. of Courses | Duration (days) | No. of Participants |          |            |            |           |            | Grand Total |
|---|----------------|-----------------|---------------------|----------|------------|------------|-----------|------------|-------------|
|   |                |                 | Others              |          |            | SC/ST      |           |            |             |
|   |                |                 | Male                | Female   | Total      | Male       | Female    | Total      |             |
| Shrimp farming  | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Edible oyster farming                                   | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Pearl culture   | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Fish processing and value addition                      | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| <b>IX Production of Inputs at site</b>                  |                |                 |                     |          |            |            |           |            |             |
| Seed Production   | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Planting material production                            | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Bio-agents production                                   | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Bio-pesticides production                               | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Bio-fertilizer production                               | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Vermi-compost production                                | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Organic manures production                              | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Production of fry and fingerlings                       | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Production of Bee-colonies and wax sheets               | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Small tools and implements                              | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Production of livestock feed and fodder                 | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Production of Fish feed                                 | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| <b>X Capacity Building and Group Dynamics</b>           |                |                 |                     |          |            |            |           |            |             |
| Leadership development                                  | 1              | 1               | 21                  | 0        | 21         | 11         | 0         | 11         | 32          |
| Group dynamics  | 2              | 2               | 38                  | 0        | 38         | 12         | 0         | 12         | 50          |
| Formation and Management of SHGs                        | 1              | 1               | 24                  | 0        | 24         | 12         | 0         | 12         | 36          |
| Mobilization of social capital                          | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Entrepreneurial development of farmers/youths           | 1              | 1               | 24                  | 0        | 24         | 7          | 0         | 7          | 31          |
| WTO and IPR issues                                      | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| <b>XI Agro-forestry</b>                                 |                |                 |                     |          |            |            |           |            |             |
| Production technologies                                 | 1              | 1               | 28                  | 0        | 28         | 6          | 0         | 6          | 34          |
| Nursery management                                      | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Integrated Farming Systems                              | 1              | 1               | 0                   | 0        | 0          | 30         | 0         | 30         | 30          |
| <b>XII Others (Pl. Specify)</b>                         | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| <b>TOTAL</b>  | <b>18</b>      | <b>18</b>       | <b>337</b>          | <b>4</b> | <b>341</b> | <b>166</b> | <b>16</b> | <b>182</b> | <b>523</b>  |
| <b>(B) RURAL YOUTH</b>                                  |                |                 |                     |          |            |            |           |            |             |
| Mushroom Production                                     | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Bee-keeping   | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Integrated farming                                      | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Seed production   | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Production of organic inputs                            | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Integrated Farming                                      | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Planting material production                            | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Vermi-culture   | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Sericulture   | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Protected cultivation of vegetable crops                | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Commercial fruit production                             | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Repair and maintenance of farm machinery and implements | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Nursery Management of Horticulture crops                | 1              | 5               | 2                   | 0        | 2          | 18         | 0         | 18         | 20          |
| Training and pruning of orchards                        | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Value addition  | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Production of quality animal products                   | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Dairying  | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Sheep and goat rearing                                  | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Quail farming   | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Piggery   | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Rabbit farming  | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Poultry production                                      | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Ornamental fisheries                                    | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Para vets   | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Para extension workers                                  | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |

| Thematic Area   | No. of Courses | Duration (days) | No. of Participants |          |            |            |           |            | Grand Total |
|---|----------------|-----------------|---------------------|----------|------------|------------|-----------|------------|-------------|
|   |                |                 | Others              |          |            | SC/ST      |           |            |             |
|   |                |                 | Male                | Female   | Total      | Male       | Female    | Total      |             |
| Composite fish culture                                | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Freshwater prawn culture                              | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Shrimp farming  | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Pearl culture   | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Cold water fisheries                                  | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Fish harvest and processing technology                | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Fry and fingerling rearing                            | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Small scale processing                                | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Post Harvest Technology                               | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Tailoring and Stitching                               | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Rural Crafts  | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Lac culture   | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| <b>TOTAL</b>  | <b>1</b>       | <b>5</b>        | <b>2</b>            | <b>0</b> | <b>2</b>   | <b>18</b>  | <b>0</b>  | <b>18</b>  | <b>20</b>   |
| <b>(C) Extension Personnel</b>                        |                |                 |                     |          |            |            |           |            |             |
| Productivity enhancement in field crops               | 8              | 16              | 160                 | 0        | 160        | 43         | 20        | 63         | 223         |
| Integrated Pest Management                            | 1              | 1               | 12                  | 0        | 12         | 3          | 2         | 5          | 17          |
| Integrated Nutrient management                        | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Rejuvenation of old orchards                          | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Protected cultivation technology                      | 1              | 1               | 6                   | 0        | 6          | 3          | 0         | 3          | 9           |
| Formation and Management of SHGs                      | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Group Dynamics and farmers organization               | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Information networking among farmers                  | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Capacity building for ICT application                 | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Care and maintenance of farm machinery and implements | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| WTO and IPR issues                                    | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Management in farm animals                            | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Livestock feed and fodder production                  | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Household food security                               | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Women and Child care                                  | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Low cost and nutrient efficient diet designing        | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Production and use of organic inputs                  | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Gender mainstreaming through SHGs                     | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| Any other (Pl. Specify)                               | 0              | 0               | 0                   | 0        | 0          | 0          | 0         | 0          | 0           |
| <b>TOTAL</b>  | <b>10</b>      | <b>18</b>       | <b>178</b>          | <b>0</b> | <b>178</b> | <b>49</b>  | <b>22</b> | <b>71</b>  | <b>249</b>  |
| <b>Grand Total (A)</b>                                | <b>29</b>      | <b>41</b>       | <b>517</b>          | <b>4</b> | <b>521</b> | <b>233</b> | <b>38</b> | <b>271</b> | <b>792</b>  |

#### D) OFF Campus

| Thematic Area                                 | No. of Courses | Duration (days) | No. of Participants |        |       |       |        |       | Grand Total |
|---|----------------|-----------------|---------------------|--------|-------|-------|--------|-------|-------------|
|   |                |                 | Others              |        |       | SC/ST |        |       |             |
|   |                |                 | Male                | Female | Total | Male  | Female | Total |             |
| <b>(A) Farmers &amp; Farm Women</b>           |                |                 |                     |        |       |       |        |       |             |
| <b>I Crop Production</b>                      |                |                 |                     |        |       |       |        |       |             |
| Weed Management                               | 3              | 3               | 100                 | 2      | 102   | 6     | 0      | 6     | 108         |
| Resource Conservation Technologies            | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Cropping Systems                              | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Crop Diversification                          | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Integrated Farming                            | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Water management                              | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Seed production                               | 9              | 9               | 491                 | 66     | 557   | 70    | 10     | 80    | 637         |
| Nursery management                            | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Integrated Crop Management                    | 6              | 6               | 42                  | 6      | 48    | 81    | 7      | 88    | 136         |
| Fodder production                             | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production of organic inputs                  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>II Horticulture</b>                        |                |                 |                     |        |       |       |        |       |             |
| <b>a) Vegetable Crops</b>                     |                |                 |                     |        |       |       |        |       |             |
| Production of low volume and high value crops | 3              | 5               | 83                  | 0      | 83    | 44    | 0      | 44    | 127         |

| Thematic Area  | No. of Courses | Duration (days) | No. of Participants |        |       |       |        |       | Grand Total |
|--|----------------|-----------------|---------------------|--------|-------|-------|--------|-------|-------------|
|  |                |                 | Others              |        |       | SC/ST |        |       |             |
|  |                |                 | Male                | Female | Total | Male  | Female | Total |             |
| Off-season vegetables  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Nursery raising  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Exotic vegetables like Broccoli                                      | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Export potential vegetables  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Grading and standardization  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Protective cultivation (Green Houses, Shade Net etc.)                | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>b) Fruits</b>   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Training and Pruning   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Layout and Management of Orchards                                    | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Cultivation of Fruit   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Management of young plants/orchards                                  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Rejuvenation of old orchards   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Export potential fruits  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Micro irrigation systems of orchards                                 | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Plant propagation techniques   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>c) Ornamental Plants</b>  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Nursery Management   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Management of potted plants  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Export potential of ornamental plants                                | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Propagation techniques of Ornamental Plants                          | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>d) Plantation crops</b>   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production and Management technology                                 | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Processing and value addition  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>e) Tuber crops</b>  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production and Management technology                                 | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Processing and value addition  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>f) Spices</b>   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production and Management technology                                 | 1              | 1               | 12                  | 0      | 12    | 5     | 3      | 8     | 20          |
| Processing and value addition  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>g) Medicinal and Aromatic Plants</b>                              | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Nursery management   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production and management technology                                 | 2              | 2               | 74                  | 4      | 78    | 10    | 0      | 10    | 88          |
| Post harvest technology and value addition                           | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>III Soil Health and Fertility Management</b>                      |                |                 |                     |        |       |       |        |       |             |
| Soil fertility management  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Soil and Water Conservation  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Integrated Nutrient Management                                       | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production and use of organic inputs                                 | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Management of Problematic soils                                      | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Micro nutrient deficiency in crops                                   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Nutrient Use Efficiency  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Soil and Water Testing   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>IV Livestock Production and Management</b>                        |                |                 |                     |        |       |       |        |       |             |
| Dairy Management   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Poultry Management   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Piggery Management   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Rabbit Management  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Disease Management   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Feed management  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production of quality animal products                                | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>V Home Science/Women empowerment</b>                              |                |                 |                     |        |       |       |        |       |             |
| Household food security by kitchen gardening and nutrition gardening | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Design and development of low/minimum cost diet                      | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Designing and development for high nutrient efficiency diet          | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |

| Thematic Area   | No. of Courses | Duration (days) | No. of Participants |        |       |       |        |       | Grand Total |
|---|----------------|-----------------|---------------------|--------|-------|-------|--------|-------|-------------|
|   |                |                 | Others              |        |       | SC/ST |        |       |             |
|   |                |                 | Male                | Female | Total | Male  | Female | Total |             |
| Minimization of nutrient loss in processing                 | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Gender mainstreaming through SHGs                           | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Storage loss minimization techniques                        | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Value addition  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Income generation activities for empowerment of rural Women | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Location specific drudgery reduction technologies           | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Rural Crafts  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Women and child care  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>VI Agril. Engineering</b>                                |                |                 |                     |        |       |       |        |       |             |
| Installation and maintenance of micro irrigation systems    | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Use of Plastics in farming practices                        | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production of small tools and implements                    | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Repair and maintenance of farm machinery and implements     | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Small scale processing and value addition                   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Post Harvest Technology                                     | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>VII Plant Protection</b>                                 |                |                 |                     |        |       |       |        |       |             |
| Integrated Pest Management                                  | 3              | 3               | 40                  | 0      | 40    | 17    | 6      | 23    | 63          |
| Integrated Disease Management                               | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Bio-control of pests and diseases                           | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production of bio control agents and bio pesticides         | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>VIII Fisheries</b>                                       |                |                 |                     |        |       |       |        |       |             |
| Integrated fish farming                                     | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Carp breeding and hatchery management                       | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Carp fry and fingerling rearing                             | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Composite fish culture                                      | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Hatchery management and culture of freshwater prawn         | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Breeding and culture of ornamental fishes                   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Portable plastic carp hatchery                              | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Pen culture of fish and prawn                               | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Shrimp farming  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Edible oyster farming                                       | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Pearl culture   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Fish processing and value addition                          | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>IX Production of Inputs at site</b>                      |                |                 |                     |        |       |       |        |       |             |
| Seed Production   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Planting material production                                | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Bio-agents production                                       | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Bio-pesticides production                                   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Bio-fertilizer production                                   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Vermi-compost production                                    | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Organic manures production                                  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production of fry and fingerlings                           | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production of Bee-colonies and wax sheets                   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Small tools and implements                                  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production of livestock feed and fodder                     | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production of Fish feed                                     | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>X Capacity Building and Group Dynamics</b>               |                |                 |                     |        |       |       |        |       |             |
| Leadership development                                      | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Group dynamics  | 1              | 1               | 39                  | 0      | 39    | 27    | 2      | 29    | 68          |
| Formation and Management of SHGs                            | 2              | 2               | 0                   | 0      | 0     | 46    | 0      | 46    | 46          |
| Mobilization of social capital                              | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |

| Thematic Area   | No. of Courses | Duration (days) | No. of Participants |           |             |            |           |            | Grand Total |
|---|----------------|-----------------|---------------------|-----------|-------------|------------|-----------|------------|-------------|
|   |                |                 | Others              |           |             | SC/ST      |           |            |             |
|   |                |                 | Male                | Female    | Total       | Male       | Female    | Total      |             |
| Entrepreneurial development of farmers/youths           | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| WTO and IPR issues                                      | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| <b>XI Agro-forestry</b>                                 |                |                 |                     |           |             |            |           |            |             |
| Production technologies                                 | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Nursery management                                      | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Integrated Farming Systems                              | 4              | 5               | 92                  | 2         | 94          | 38         | 3         | 41         | 135         |
| <b>XII Others (Pl. Specify)</b>                         | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| <b>TOTAL</b>  | <b>34</b>      | <b>37</b>       | <b>273</b>          | <b>80</b> | <b>1053</b> | <b>344</b> | <b>31</b> | <b>375</b> | <b>1428</b> |
| <b>(B) RURAL YOUTH</b>                                  |                |                 |                     |           |             |            |           |            |             |
| Mushroom Production                                     | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Bee-keeping   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Integrated farming                                      | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Seed production   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Production of organic inputs                            | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Integrated Farming                                      | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Planting material production                            | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Vermi-culture   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Sericulture   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Protected cultivation of vegetable crops                | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Commercial fruit production                             | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Repair and maintenance of farm machinery and implements | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Nursery Management of Horticulture crops                | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Training and pruning of orchards                        | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Value addition  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Production of quality animal products                   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Dairying  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Sheep and goat rearing                                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Quail farming   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Piggery   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Rabbit farming  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Poultry production                                      | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Ornamental fisheries                                    | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Para vets   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Para extension workers                                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Composite fish culture                                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Freshwater prawn culture                                | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Shrimp farming  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Pearl culture   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Cold water fisheries                                    | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Fish harvest and processing technology                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Fry and fingerling rearing                              | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Small scale processing                                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Post Harvest Technology                                 | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Tailoring and Stitching                                 | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Rural Crafts  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| <b>TOTAL</b>  | <b>0</b>       | <b>0</b>        | <b>0</b>            | <b>0</b>  | <b>0</b>    | <b>0</b>   | <b>0</b>  | <b>0</b>   | <b>0</b>    |
| <b>(C) Extension Personnel</b>                          |                |                 |                     |           |             |            |           |            |             |
| Productivity enhancement in field crops                 | 1              | 1               | 16                  | 0         | 16          | 4          | 3         | 7          | 23          |
| Integrated Pest Management                              | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Integrated Nutrient management                          | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Rejuvenation of old orchards                            | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Protected cultivation technology                        | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Formation and Management of SHGs                        | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Group Dynamics and farmers organization                 | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Information networking among farmers                    | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |

| Thematic Area   | No. of Courses | Duration (days) | No. of Participants |           |             |            |           |            | Grand Total |
|---|----------------|-----------------|---------------------|-----------|-------------|------------|-----------|------------|-------------|
|   |                |                 | Others              |           |             | SC/ST      |           |            |             |
|   |                |                 | Male                | Female    | Total       | Male       | Female    | Total      |             |
| Capacity building for ICT application                 | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Care and maintenance of farm machinery and implements | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| WTO and IPR issues                                    | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Management in farm animals                            | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Livestock feed and fodder production                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Household food security                               | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Women and Child care                                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Low cost and nutrient efficient diet designing        | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Production and use of organic inputs                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Gender mainstreaming through SHGs                     | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Any other (Pl. Specify)                               | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| <b>TOTAL</b>  | <b>1</b>       | <b>1</b>        | <b>16</b>           | <b>0</b>  | <b>16</b>   | <b>4</b>   | <b>3</b>  | <b>7</b>   | <b>23</b>   |
| <b>Grand Total Off campus</b>                         | <b>35</b>      | <b>38</b>       | <b>989</b>          | <b>80</b> | <b>1069</b> | <b>348</b> | <b>34</b> | <b>382</b> | <b>1451</b> |

### C) Consolidated table (On and Off Campus)

| Thematic Area   | No. of Courses | Duration (days) | No. of Participants |        |       |       |        |       | Grand Total |
|---|----------------|-----------------|---------------------|--------|-------|-------|--------|-------|-------------|
|   |                |                 | Others              |        |       | SC/ST |        |       |             |
|   |                |                 | Male                | Female | Total | Male  | Female | Total |             |
| <b>(A) Farmers &amp; Farm Women</b>                   |                |                 |                     |        |       |       |        |       |             |
| <b>I Crop Production</b>                              |                |                 |                     |        |       |       |        |       |             |
| Weed Management                                       | 3              | 3               | 100                 | 2      | 102   | 6     | 0      | 6     | 108         |
| Resource Conservation Technologies                    | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Cropping Systems                                      | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Crop Diversification                                  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Integrated Farming                                    | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Water management                                      | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Seed production                                       | 9              | 9               | 491                 | 66     | 557   | 70    | 10     | 80    | 637         |
| Nursery management                                    | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Integrated Crop Management                            | 11             | 11              | 127                 | 6      | 133   | 130   | 7      | 137   | 270         |
| Fodder production                                     | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production of organic inputs                          | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>II Horticulture</b>                                |                |                 |                     |        |       |       |        |       |             |
| <b>a) Vegetable Crops</b>                             |                |                 |                     |        |       |       |        |       |             |
| Production of low volume and high value crops         | 3              | 5               | 83                  | 0      | 83    | 44    | 0      | 44    | 127         |
| Off-season vegetables                                 | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Nursery raising                                       | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Exotic vegetables like Broccoli                       | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Export potential vegetables                           | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Grading and standardization                           | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Protective cultivation (Green Houses, Shade Net etc.) | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>b) Fruits</b>                                      |                |                 |                     |        |       |       |        |       |             |
| Training and Pruning                                  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Layout and Management of Orchards                     | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Cultivation of Fruit                                  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Management of young plants/orchards                   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Rejuvenation of old orchards                          | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Export potential fruits                               | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Micro irrigation systems of orchards                  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Plant propagation techniques                          | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>c) Ornamental Plants</b>                           |                |                 |                     |        |       |       |        |       |             |
| Nursery Management                                    | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Management of potted plants                           | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Export potential of ornamental plants                 | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Propagation techniques of Ornamental Plants           | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |

| Thematic Area  | No. of Courses | Duration (days) | No. of Participants |        |       |       |        |       | Grand Total |
|--|----------------|-----------------|---------------------|--------|-------|-------|--------|-------|-------------|
|  |                |                 | Others              |        |       | SC/ST |        |       |             |
|  |                |                 | Male                | Female | Total | Male  | Female | Total |             |
| <b>d) Plantation crops</b>   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production and Management technology                                 | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Processing and value addition  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>e) Tuber crops</b>  |                |                 |                     |        |       |       |        |       |             |
| Production and Management technology                                 | 1              | 1               | 22                  | 4      | 26    | 5     | 4      | 9     | 35          |
| Processing and value addition  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>f) Spices</b>   |                |                 |                     |        |       |       |        |       |             |
| Production and Management technology                                 | 2              | 2               | 44                  | 0      | 44    | 8     | 3      | 11    | 55          |
| Processing and value addition  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>g) Medicinal and Aromatic Plants</b>                              |                |                 |                     |        |       |       |        |       |             |
| Nursery management   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production and management technology                                 | 3              | 3               | 93                  | 4      | 97    | 21    | 0      | 21    | 118         |
| Post harvest technology and value addition                           | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>III Soil Health and Fertility Management</b>                      |                |                 |                     |        |       |       |        |       |             |
| Soil fertility management  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Soil and Water Conservation  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Integrated Nutrient Management                                       | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production and use of organic inputs                                 | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Management of Problematic soils                                      | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Micro nutrient deficiency in crops                                   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Nutrient Use Efficiency  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Soil and Water Testing   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>IV Livestock Production and Management</b>                        |                |                 |                     |        |       |       |        |       |             |
| Dairy Management   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Poultry Management   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Piggery Management   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Rabbit Management  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Disease Management   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Feed management  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Production of quality animal products                                | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>V Home Science/Women empowerment</b>                              |                |                 |                     |        |       |       |        |       |             |
| Household food security by kitchen gardening and nutrition gardening | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Design and development of low/minimum cost diet                      | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Designing and development for high nutrient efficiency diet          | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Minimization of nutrient loss in processing                          | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Gender mainstreaming through SHGs                                    | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Storage loss minimization techniques                                 | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Value addition   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Income generation activities for empowerment of rural Women          | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Location specific drudgery reduction technologies                    | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Rural Crafts   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Women and child care   | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>VI Agril. Engineering</b>   |                |                 |                     |        |       |       |        |       |             |
| Installation and maintenance of micro irrigation systems             | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Use of Plastics in farming practices                                 | 1              | 1               | 18                  | 0      | 18    | 7     | 0      | 7     | 25          |
| Production of small tools and implements                             | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Repair and maintenance of farm machinery and implements              | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Small scale processing and value addition                            | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| Post Harvest Technology  | 0              | 0               | 0                   | 0      | 0     | 0     | 0      | 0     | 0           |
| <b>VII Plant Protection</b>  |                |                 |                     |        |       |       |        |       |             |

| Thematic Area                                       | No. of Courses | Duration (days) | No. of Participants |           |             |            |           |            | Grand Total |
|---|----------------|-----------------|---------------------|-----------|-------------|------------|-----------|------------|-------------|
|   |                |                 | Others              |           |             | SC/ST      |           |            |             |
|   |                |                 | Male                | Female    | Total       | Male       | Female    | Total      |             |
| Integrated Pest Management                          | 4              | 4               | 55                  | 0         | 55          | 26         | 8         | 34         | 89          |
| Integrated Disease Management                       | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Bio-control of pests and diseases                   | 1              | 1               | 11                  | 0         | 11          | 4          | 10        | 14         | 25          |
| Production of bio control agents and bio pesticides | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| <b>VIII Fisheries</b>                               |                |                 |                     |           |             |            |           |            |             |
| Integrated fish farming                             | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Carp breeding and hatchery management               | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Carp fry and fingerling rearing                     | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Composite fish culture                              | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Hatchery management and culture of freshwater prawn | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Breeding and culture of ornamental fishes           | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Portable plastic carp hatchery                      | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Pen culture of fish and prawn                       | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Shrimp farming                                      | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Edible oyster farming                               | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Pearl culture                                       | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Fish processing and value addition                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| <b>IX Production of Inputs at site</b>              |                |                 |                     |           |             |            |           |            |             |
| Seed Production                                     | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Planting material production                        | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Bio-agents production                               | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Bio-pesticides production                           | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Bio-fertilizer production                           | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Vermi-compost production                            | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Organic manures production                          | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Production of fry and fingerlings                   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Production of Bee-colonies and wax sheets           | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Small tools and implements                          | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Production of livestock feed and fodder             | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Production of Fish feed                             | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| <b>X Capacity Building and Group Dynamics</b>       |                |                 |                     |           |             |            |           |            |             |
| Leadership development                              | 1              | 1               | 21                  | 0         | 21          | 11         | 0         | 11         | 32          |
| Group dynamics                                      | 3              | 3               | 77                  | 0         | 77          | 39         | 2         | 41         | 118         |
| Formation and Management of SHGs                    | 3              | 3               | 24                  | 0         | 24          | 58         | 0         | 58         | 82          |
| Mobilization of social capital                      | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Entrepreneurial development of farmers/youths       | 1              | 1               | 24                  | 0         | 24          | 7          | 0         | 7          | 31          |
| WTO and IPR issues                                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| <b>XI Agro-forestry</b>                             |                |                 |                     |           |             |            |           |            |             |
| Production technologies                             | 1              | 1               | 28                  | 0         | 28          | 6          | 0         | 6          | 34          |
| Nursery management                                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Integrated Farming Systems                          | 5              | 6               | 92                  | 2         | 94          | 68         | 3         | 71         | 165         |
| <b>XII Others (Pl. Specify)</b>                     | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| <b>Training total</b>                               | <b>52</b>      | <b>55</b>       | <b>1310</b>         | <b>84</b> | <b>1394</b> | <b>510</b> | <b>47</b> | <b>557</b> | <b>1951</b> |
| <b>(B) RURAL YOUTH</b>                              |                |                 |                     |           |             |            |           |            |             |
| Mushroom Production                                 | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Bee-keeping   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Integrated farming                                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Seed production                                     | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Production of organic inputs                        | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Integrated Farming                                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Planting material production                        | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Vermi-culture                                       | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Sericulture   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Protected cultivation of vegetable crops            | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |

| Thematic Area   | No. of Courses | Duration (days) | No. of Participants |           |             |            |           |            | Grand Total |
|---|----------------|-----------------|---------------------|-----------|-------------|------------|-----------|------------|-------------|
|   |                |                 | Others              |           |             | SC/ST      |           |            |             |
|   |                |                 | Male                | Female    | Total       | Male       | Female    | Total      |             |
| Commercial fruit production                             | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Repair and maintenance of farm machinery and implements | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Nursery Management of Horticulture crops                | 1              | 5               | 2                   | 0         | 2           | 18         | 0         | 18         | 20          |
| Training and pruning of orchards                        | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Value addition  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Production of quality animal products                   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Dairying  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Sheep and goat rearing                                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Quail farming   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Piggery   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Rabbit farming  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Poultry production                                      | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Ornamental fisheries                                    | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Para vets   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Para extension workers                                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Composite fish culture                                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Freshwater prawn culture                                | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Shrimp farming  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Pearl culture   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Cold water fisheries                                    | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Fish harvest and processing technology                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Fry and fingerling rearing                              | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Small scale processing                                  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Post Harvest Technology                                 | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Tailoring and Stitching                                 | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Rural Crafts  | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Lac culture   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| <b>TOTAL</b>  | <b>1</b>       | <b>5</b>        | <b>2</b>            | <b>0</b>  | <b>2</b>    | <b>18</b>  | <b>0</b>  | <b>18</b>  | <b>20</b>   |
| <b>(C) Extension Personnel</b>                          |                |                 |                     |           |             |            |           |            |             |
| Productivity enhancement in field crops                 | 9              | 17              | 176                 | 0         | 176         | 47         | 23        | 70         | 246         |
| Integrated Pest Management                              | 1              | 1               | 12                  | 0         | 12          | 3          | 2         | 5          | 17          |
| Integrated Nutrient management                          | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Rejuvenation of old orchards                            | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Protected cultivation technology                        | 1              | 1               | 6                   | 0         | 6           | 3          | 0         | 3          | 9           |
| Formation and Management of SHGs                        | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Group Dynamics and farmers organization                 | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Information networking among farmers                    | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Capacity building for ICT application                   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Care and maintenance of farm machinery and implements   | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| WTO and IPR issues                                      | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Management in farm animals                              | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Livestock feed and fodder production                    | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Household food security                                 | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Women and Child care                                    | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Low cost and nutrient efficient diet designing          | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Production and use of organic inputs                    | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Gender mainstreaming through SHGs                       | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| Any other (Pl. Specify)                                 | 0              | 0               | 0                   | 0         | 0           | 0          | 0         | 0          | 0           |
| <b>TOTAL</b>  | <b>11</b>      | <b>19</b>       | <b>194</b>          | <b>0</b>  | <b>194</b>  | <b>53</b>  | <b>25</b> | <b>78</b>  | <b>272</b>  |
| <b>Grand Total Consolidated</b>                         | <b>64</b>      | <b>79</b>       | <b>1506</b>         | <b>84</b> | <b>1590</b> | <b>581</b> | <b>72</b> | <b>653</b> | <b>2243</b> |

**Details of training programmes as Annexure in the proforma given below**

| S. No. | Date     | Clientele | Title of the training programme   | Dur. in days | Venue (Off / On Campus) | Number of participants |        |       | Number of SC/ST |        |       |
|--------|----------|-----------|---|--------------|-------------------------|------------------------|--------|-------|-----------------|--------|-------|
|        |          |           |   |              |                         | Male                   | Female | Total | Male            | Female | Total |
| 1      | 02/05/08 | Farmers   | Leadership development for cultivation of agril crop through improved production technology | 1            | On                      | 32                     | 0      | 32    | 11              | 0      | 11    |
| 2      | 03/05/08 | Farmer    | Training on production technology of turmeric and ginger crop                               | 1            | On                      | 35                     | 0      | 35    | 3               | 0      | 3     |
| 3      | 05/05/08 | Farmer    | Development of knowledge and motivation for lac production                                  | 1            | On                      | 31                     | 0      | 31    | 7               | 0      | 7     |
| 4      | 12/05/08 | Farmer    | Identification of medicinal plant   | 1            | On                      | 30                     | 0      | 30    | 11              | 0      | 11    |
| 5      | 14/05/08 | Farmer    | Selection of suitable tree species for different farming situation                          | 1            | On                      | 34                     | 0      | 34    | 6               | 0      | 6     |
| 6      | 16/05/08 | Farmer    | Formation and management of SHG of lac cultivation  | 1            | On                      | 36                     | 0      | 36    | 12              | 0      | 12    |
| 7      | 19/05/08 | Farmer    | Block level training on SRI   | 1            | On                      | 34                     | 0      | 34    | 6               | 0      | 6     |

| S. No. | Date     | Clientele | Title of the training programme  | Dur. in days | Venue (Off / On Campus) | Number of participants |        |       | Number of SC/ST |        |       |
|--------|----------|-----------|--|--------------|-------------------------|------------------------|--------|-------|-----------------|--------|-------|
|        |          |           |  |              |                         | Male                   | Female | Total | Male            | Female | Total |
|        |          |           | system of paddy production   |              |                         |                        |        |       |                 |        |       |
| 8      | 22/05/08 | Farmer    | Development of knowledge & motivation for SRI System of paddy cultivation                | 1            | On                      | 29                     | 0      | 29    | 7               | 0      | 7     |
| 9      | 06/06/08 | Farmer    | Integrated weed management of paddy crop   | 1            | Off                     | 48                     | 0      | 48    | 3               | 0      | 3     |
| 10     | 22/07/08 | Farmer    | Production technology of oil seed crop   | 1            | Off                     | 16                     | 0      | 16    | 14              | 0      | 14    |
| 11     | 23/07/08 | Farmer    | Production technology of pulses crop (Urid)  | 1            | Off                     | 15                     | 0      | 15    | 5               | 0      | 5     |
| 12     | 24/07/08 | Farmer    | Group dynamics leadership development and information networking among farmer(Lac group) | 1            | On                      | 21                     | 0      | 21    | 5               | 0      | 5     |
| 13     | 30/07/08 | Farmer    | Intercropping of kharif agriculture crops in agroforestry system                         | 1            | Off                     | 18                     | 0      | 18    | 5               | 0      | 5     |
| 14     | 21/08/08 | Farmer    | Integrated pest management in Paddy and roughing of field                                | 1            | Off                     | 22                     | 0      | 22    | 4               | 0      | 4     |

| S. No. | Date     | Clientele  | Title of the training programme   | Dur. in days | Venue (Off / On Campus) | Number of participants |        |       | Number of SC/ST |        |       |
|--------|----------|------------|---|--------------|-------------------------|------------------------|--------|-------|-----------------|--------|-------|
|        |          |            |   |              |                         | Male                   | Female | Total | Male            | Female | Total |
|        |          |            | crops   |              |                         |                        |        |       |                 |        |       |
| 15     | 21/08/08 | Farmer     | Prodn. technique of vegetable/spices in backyard for additional income generation | 1            | Off                     | 17                     | 3      | 20    | 5               | 3      | 8     |
| 16     | 22/08/08 | Farmer     | Yellow mosaic management in Urid  | 1            | Off                     | 20                     | 1      | 21    | 5               | 1      | 6     |
| 17     | 23/08/08 | Farmer     | Integrated pest management in Til   | 1            | Off                     | 15                     | 5      | 20    | 8               | 5      | 13    |
| 18     | 29/08/08 | In Service | Non Pesticidal management of crop pest and crop cafeteria demonstration           | 1            | On                      | 15                     | 2      | 17    | 3               | 2      | 5     |
| 19     | 30/08/08 | Farmer     | Formation and management of SHGs for Kodo crop                                    | 1            | Off                     | 21                     | 0      | 21    | 21              | 0      | 21    |
| 20     | 04/09/08 | Farmer     | Improved practices of Linseed under irrigated condition                           | 1            | Off                     | 25                     | 0      | 25    | 25              | 0      | 25    |
| 21     | 05/09/08 | Farmer     | Formation and management of SHGs for Vermi compost & Lac production marketing     | 1            | Off                     | 25                     | 0      | 25    | 25              | 0      | 25    |
| 22     | 06/09/08 | Farmer     | Intercropping of Rabi agricultural  | 1            | Off                     | 23                     | 2      | 25    | 4               | 0      | 4     |

| S. No. | Date     | Clientele | Title of the training programme  | Dur. in days | Venue (Off / On Campus) | Number of participants |        |       | Number of SC/ST |        |       |
|--------|----------|-----------|--|--------------|-------------------------|------------------------|--------|-------|-----------------|--------|-------|
|        |          |           |  |              |                         | Male                   | Female | Total | Male            | Female | Total |
|        |          |           | crops in agroforestry system   |              |                         |                        |        |       |                 |        |       |
| 23     | 08/09/08 | Farmer    | Training on production technology of Pea                                       | 1            | Off                     | 15                     | 0      | 15    | 11              | 0      | 11    |
| 24     | 09/09/08 | Farmer    | Block level training of improved production system of rabi agricultural crops. | 1            | On                      | 25                     | 0      | 25    | 7               | 0      | 7     |
| 25     | 10/09/08 | Farmer    | Block level training of improved production system of rabi agricultural crops. | 1            | On                      | 25                     | 0      | 25    | 7               | 0      | 7     |
| 26     | 11/09/08 | Farmer    | Skill on seed treatment in rabi crops  | 1            | On                      | 15                     | 10     | 25    | 4               | 10     | 14    |
| 27     | 12/09/08 | Farmer    | Block level training of improved production system of rabi agricultural crops. | 1            | On                      | 25                     | 0      | 25    | 11              | 0      | 11    |
| 28     | 16/09/08 | Farmer    | Improved irrigation system for increasing water use                            | 1            | On                      | 25                     | 0      | 25    | 7               | 0      | 7     |

| S. No. | Date                | Clientele   | Title of the training programme                           | Dur. in days | Venue (Off/On Campus) | Number of participants |        |       | Number of SC/ST |        |       |
|--------|---------------------|-------------|---|--------------|-----------------------|------------------------|--------|-------|-----------------|--------|-------|
|        |                     |             |   |              |                       | Male                   | Female | Total | Male            | Female | Total |
|        |                     |             | efficiency  |              |                       |                        |        |       |                 |        |       |
| 29     | 19/09/08            | Farmer      | IPM in Paddy crop   | 1            | On                    | 24                     | 2      | 26    | 9               | 2      | 11    |
| 30     | 20/09/08            | Farmer      | Production technology of toria crop                       | 1            | Off                   | 21                     | 4      | 25    | 4               | 4      | 8     |
| 31     | 22/09/08            | Farmer      | Production technology of mustard crop                     | 1            | Off                   | 19                     | 6      | 25    | 6               | 0      | 6     |
| 32     | 24/09/08            | In Service  | Pre Rabi cultivation training                             | 1            | On                    | 27                     | 3      | 30    | 5               | 3      | 8     |
| 33     | 25/09/08            | In Service  | Pre Rabi cultivation training for extension functionaries | 1            | On                    | 17                     | 0      | 17    | 2               | 0      | 2     |
| 34     | 06/10/08            | Farmer      | Production technology of safflower                        | 1            | On                    | 25                     | 0      | 25    | 8               | 0      | 8     |
| 35     | 10/10/08            | Farmer      | Production technology of Potato crop                      | 1            | On                    | 27                     | 8      | 35    | 5               | 4      | 9     |
| 36     | 15/10/08            | Farmer      | Improved production system of wheat crop                  | 1            | Off                   | 27                     | 3      | 30    | 27              | 3      | 30    |
| 37     | 04/12/08            | Farmer      | After care of plantation                                  | 1            | Off                   | 21                     | 3      | 24    | 14              | 3      | 17    |
| 38     | 29/12/08 to 2/01/09 | Rural youth | Techniques of nursery raising and propagation method      | 5            | On                    | 20                     | 0      | 20    | 4               | 0      | 4     |
| 39     | 01/01/09            | Farmer      | Weed management   | 1            | Off                   | 33                     | 0      | 33    | 3               | 0      | 3     |

| S. No. | Date     | Clientele  | Title of the training programme              | Dur. in days | Venue (Off / On Campus) | Number of participants |           |             | Number of SC/ST |           |            |
|--------|----------|------------|--|--------------|-------------------------|------------------------|-----------|-------------|-----------------|-----------|------------|
|        |          |            |  |              |                         | Male                   | Female    | Total       | Male            | Female    | Total      |
|        |          |            | in Wheat crop                                |              |                         |                        |           |             |                 |           |            |
| 40     | 06/01/09 | Farmer     | Training on Rabi crop Group management       | 1            | Off                     | 66                     | 2         | 68          | 27              | 2         | 29         |
| 41     | 07/01/09 | Farmer     | Lac cultivation technique on Palash          | 1            | On                      | 30                     | 0         | 30          | 30              | 0         | 30         |
| 42     | 23/01/09 | In Service | Integrated crop management in rabi crop      | 1            | Off                     | 20                     | 3         | 23          | 4               | 3         | 7          |
| 43     | 24/01/09 | In Service | Latest trends in agriculture crop production | 1            | On                      | 24                     | 2         | 26          | 6               | 2         | 8          |
| 44     | 18/03/09 | In Service | Protected cultivation of horticulture crops  | 1            | On                      | 9                      | 0         | 9           | 3               | 0         | 3          |
|        |          |            | <b>Total</b>                                 | <b>48</b>    |                         | <b>1102</b>            | <b>59</b> | <b>1161</b> | <b>399</b>      | <b>47</b> | <b>446</b> |

**(D) Vocational training programmes for Rural Youth**

| Crop/ Enterprise | Identified Thrust Area | Training title                                       | Duration (days) | No. of Participants |           |           | Self employed after training |                 |                            | No. of persons employed elsewhere |
|------------------|------------------------|--|-----------------|---------------------|-----------|-----------|------------------------------|-----------------|----------------------------|-----------------------------------|
|                  |                        |  |                 | Male                | Female    | Total     | Type of units                | Number of units | Number of persons employed |                                   |
| Nursery          | Rural enterprise       | Techniques of nursery raising and propagation method | 5               | 20                  | 0         | 20        | Temporary nursery            | 2               | 2                          | 1                                 |
| <b>Total</b>     |                        |  | <b>10</b>       | <b>30</b>           | <b>25</b> | <b>55</b> |                              | <b>11</b>       | <b>11</b>                  | <b>0</b>                          |

\* Training title should specify the major technology/skill transferred

**(E) Sponsored Training Programmes**

| S. No | Title  | Thematic area                     | Month       | Dura. (days) | Client  | No. of courses | No. of Participants |       |        |       |        |       |       | Sponsoring Agency  |
|-------|--|-----------------------------------|-------------|--------------|---------|----------------|---------------------|-------|--------|-------|--------|-------|-------|--------------------|
|       |  |                                   |             |              | PF/R/EF |                | Male                |       | Female |       | Total  |       |       |                    |
|       |  |                                   |             |              |         |                | Others              | SC/ST | Others | SC/ST | Others | SC/ST | Total |                    |
| 1     | Awareness about partinium eradication and seed village paddy | Weed Management and seed Prodn    | 15/07/09    | 1            | PF      | 1              | 25                  | 0     | 2      | 0     | 27     | 0     | 27    | Seed Village Prog. |
| 2     | Seed village training on Paddy Crop                          | Integrate d Crop managment        | 08/09/08    | 1            | PF      | 1              | 33                  | 4     | 8      | 0     | 41     | 4     | 45    | Seed Village       |
| 3     | Seed village training on Paddy Crop                          | Integrate d Crop managem ent      | 07/10/08    | 1            | PF      | 1              | 8                   | 9     | 0      | 8     | 8      | 17    | 25    | Seed Village       |
| 4     | Intregated farming system with horti. Crops                  | Integrate d Farming system        | 14-15/10/08 | 2            | PF      | 2              | 53                  | 15    | 0      | 0     | 53     | 15    | 68    | Horti. Dept.       |
| 5     | Vegetables prod.   | Integrate d vegetable managem ent | 16-17/10/08 | 2            | PF      | 2              | 61                  | 16    | 0      | 0     | 61     | 16    | 77    | Horti. Dept.       |

|    |  |                                 |             |   |    |   |     |    |    |   |     |    |     |              |
|----|--|---------------------------------|-------------|---|----|---|-----|----|----|---|-----|----|-----|--------------|
| 6  | Vegetables prod  | Integrated vegetable management | 03/11/08    | 1 | PF | 1 | 18  | 17 | 0  | 0 | 18  | 17 | 35  | Horti. Dept. |
| 7  | Seed village training on Paddy Crop  | Integrated Crop management      | 05/11/08    | 1 | PF | 1 | 75  | 8  | 3  | 0 | 78  | 8  | 86  | Seed Village |
| 8  | Seed village training on Wheat cultivation technology                              | Integrated Crop management      | 06/11/08    | 1 | PF | 1 | 92  | 9  | 0  | 0 | 92  | 9  | 101 | Seed Village |
| 9  | Seed village training on Fertilizer management and cultivation technology on wheat | Integrated Crop management      | 09/11/08    | 1 | PF | 1 | 46  | 6  | 8  | 0 | 54  | 6  | 60  | Seed Village |
| 10 | Seed village training on Wheat Crop  | Integrated Crop management      | 19/02/09    | 1 | PF | 1 | 101 | 16 | 41 | 0 | 142 | 16 | 158 | Seed Village |
| 11 | ISOPAM Pulses Program  | Integrated Crop management      | 24-25/02/09 | 2 | EF | 2 | 21  | 6  | 0  | 3 | 21  | 9  | 30  | DDA, Umaria  |

|    |  |                                |             |   |    |   |    |   |   |   |    |   |    |   |
|----|--|--------------------------------|-------------|---|----|---|----|---|---|---|----|---|----|---|
| 12 | ISOPAM oilseed Program                         | Integrated Crop management     | 27-28/02/09 | 2 | EF | 2 | 21 | 6 | 0 | 3 | 21 | 9 | 30 | DDA, Umaria                                 |
| 13 | ISOPAM Maize Program                           | Integrated Crop management     | 5-6/03/09   | 2 | EF | 2 | 21 | 6 | 0 | 3 | 21 | 9 | 30 | DDA, Umaria                                 |
| 14 | Medicinal plant cultivation- Prodn. and manag. | Integrated Farming system      | 13/03/09    | 1 | PF | 1 | 31 | 4 | 4 | 0 | 35 | 4 | 39 | Crop and Herbal Physiology, JNKVV, Jabalpur |
| 15 | Medicinal plant cultivation- Prodn. and manag. | Integrated Farming system      | 14/03/09    | 1 | PF | 1 | 43 | 6 | 0 | 0 | 43 | 6 | 49 | Crop and Herbal Physiology, JNKVV, Jabalpur |
| 16 | Advance trends in crop prod.                   | Integrated Crop management     | 17-21/03/09 | 5 | EF | 2 | 21 | 6 | 0 | 3 | 21 | 9 | 30 | Dir. of Ext., JNKVV JBP                     |
| 17 | INM training                                   | Integrated Nutrient management | 24-25/03/09 | 2 | EF | 2 | 21 | 6 | 0 | 3 | 21 | 9 | 30 | DDA, Umaria                                 |
| 18 | Seed village training on wheat Crop            | Integrated Crop management     | 25/03/09    | 1 | PF | 1 | 31 | 4 | 4 | 0 | 35 | 4 | 39 | Seed Village Prog.                          |

|              |                                     |                              |          |           |    |           |            |            |           |           |            |            |             |                    |
|--------------|-------------------------------------|------------------------------|----------|-----------|----|-----------|------------|------------|-----------|-----------|------------|------------|-------------|--------------------|
| 19           | Seed village training on wheat Crop | Integrate d Crop managem ent | 26/03/09 | 1         | PF | 1         | 43         | 6          | 0         | 0         | 43         | 6          | 49          | Seed Village Prog. |
| 20           | Seed village training on wheat Crop | Integrate d Crop managem ent | 27/03/09 | 1         | PF | 1         | 62         | 8          | 2         | 2         | 64         | 10         | 74          | Seed Village Prog. |
| <b>Total</b> |                                     |                              |          | <b>30</b> |    | <b>27</b> | <b>827</b> | <b>158</b> | <b>72</b> | <b>25</b> | <b>899</b> | <b>183</b> | <b>1082</b> |                    |



| Name of Extension Activity              | No. of activities | Farmers    |           |             | Extension Officials |          |          | Total      |           |             |
|---|-------------------|------------|-----------|-------------|---------------------|----------|----------|------------|-----------|-------------|
|   |                   | Male       | Female    | Total       | Male                | Female   | Total    | Male       | Female    | Total       |
| Mahila Mandals Conveners meetings       | 0                 | 0          | 0         | 0           | 0                   | 0        | 0        | 0          | 0         | 0           |
| Celebration of important days (specify) | 0                 | 0          | 0         | 0           | 0                   | 0        | 0        | 0          | 0         | 0           |
| Any Other (Specify)                     | 0                 | 0          | 0         | 0           | 0                   | 0        | 0        | 0          | 0         | 0           |
| <b>Total</b>                            | <b>366</b>        | <b>641</b> | <b>25</b> | <b>8233</b> | <b>0</b>            | <b>0</b> | <b>0</b> | <b>641</b> | <b>25</b> | <b>8233</b> |

### 3.5 Production and supply of Technological products

#### SEED MATERIALS:

| Category         | Crop | Variety          | Quantity (qtl.) | Value (Rs.) | Provided to No. of Farmers |
|------------------|------|------------------|-----------------|-------------|----------------------------|
| CEREALS          |      |                  |                 |             |                            |
| OILSEEDS         | Til  | TKG-8            | 7.81            | 46860       | Govt. agency               |
| PULSES           |      |                  |                 |             |                            |
| VEGETABLES       | Okra | Parbhania Kranti | 0.4             | 3200        | Govt. agency               |
| FLOWER CROPS     |      |                  |                 |             |                            |
| OTHERS (Specify) |      |                  |                 |             |                            |

#### SUMMARY

| Sl. No.      | Crop         | Quantity (qtl.) | Value (Rs.)  | Provided to No. of Farmers |
|--------------|--------------|-----------------|--------------|----------------------------|
| 1            | CEREALS      |                 |              |                            |
| 2            | OILSEEDS     | 7.81            | 46860        | Govt. agency               |
| 3            | PULSES       |                 |              |                            |
| 4            | VEGETABLES   | 0.4             | 3200         | Govt. agency               |
| 5            | FLOWER CROPS |                 |              |                            |
| 6            | OTHERS       |                 |              |                            |
| <b>TOTAL</b> |              | <b>8.21</b>     | <b>50060</b> |                            |

#### PLANTING MATERIALS: Nil

| Sl. No.        | Crop  | Variety | Quantity (Nos.) | Value (Rs.) | Provided to No. of Farmers |
|----------------|-------|---------|-----------------|-------------|----------------------------|
| FRUITS         | Aonla | Grafted |                 |             |                            |
| SPICES         |       |         |                 |             |                            |
| VEGETABLES     |       |         |                 |             |                            |
| FOREST SPECIES |       |         |                 |             |                            |
| ORNAMENTAL     |       |         |                 |             |                            |

| Sl. No.                 | Crop | Variety | Quantity (Nos.) | Value (Rs.) | Provided to No. of Farmers |
|-------------------------|------|---------|-----------------|-------------|----------------------------|
| <b>CROPS</b>            |      |         |                 |             |                            |
| <b>PLANTATION CROPS</b> |      |         |                 |             |                            |
| <b>Others (specify)</b> |      |         |                 |             |                            |

### SUMMARY

| Sl. No. | Crop             | Quantity (Nos.) | Value (Rs.) | Provided to No. of Farmers |
|---------|------------------|-----------------|-------------|----------------------------|
| 1       | FRUITS           |                 |             |                            |
| 2       | VEGETABLES       |                 |             |                            |
| 3       | SPICES           |                 |             |                            |
| 4       | FOREST SPECIES   |                 |             |                            |
| 5       | ORNAMENTAL CROPS |                 |             |                            |
| 6       | PLANTATION CROPS |                 |             |                            |
| 7       | OTHERS           |                 |             |                            |
|         | <b>TOTAL</b>     |                 |             |                            |

### BIO PRODUCTS

| Sl. No. | Product Name          | Species                | Quantity |      | Value (Rs.) | Provided to No. of Farmers |
|---------|-----------------------|------------------------|----------|------|-------------|----------------------------|
|         |                       |                        | No       | (kg) |             |                            |
| 1       | <b>BIOAGENTS</b>      | Nil                    |          |      |             |                            |
| 2       | <b>BIOFERTILIZERS</b> | Rhizobium , PSB, Azoto | 12500    |      | 111000      | 5000                       |
|         |                       | Vermi compost          |          | 2500 | 12500       | Self use                   |
| 3       | <b>BIO PESTICIDES</b> | Nil                    |          |      |             |                            |

**SUMMARY**

| Sl. No. | Product Name    | Species               | Quantity |      | Value (Rs.) | Provided to No. of Farmers |
|---------|-----------------|-----------------------|----------|------|-------------|----------------------------|
|         |                 |                       | No       | (kg) |             |                            |
| 1       | BIOAGENTS       | Nil                   |          |      |             |                            |
| 2       | BIO FERTILIZERS | Rhizobium, PSB, Azoto | 12500    | -    | 111000      | 5000                       |
|         |                 | Vermi compost         | -        | 2500 | 12500       | Self use                   |
| 3       | BIO PESTICIDE   | Nil                   |          |      |             |                            |
|         | <b>TOTAL</b>    |                       |          |      |             |                            |

**LIVESTOCK: Nil**

| Sl. No. | Type             | Breed | Quantity |     | Value (Rs.) | Provided to No. of Farmers |
|---------|------------------|-------|----------|-----|-------------|----------------------------|
|         |                  |       | (Nos     | Kgs |             |                            |
|         | Cattle           | Nil   |          |     |             |                            |
|         | Sheep and Goat   | Nil   |          |     |             |                            |
|         | Poultry          | Nil   |          |     |             |                            |
|         | Fisheries        | Nil   |          |     |             |                            |
|         | Others (Specify) | Nil   |          |     |             |                            |

**SUMMARY**

| Sl. No. | Type         | Breed | Quantity |     | Value (Rs.) | Provided to No. of Farmers |
|---------|--------------|-------|----------|-----|-------------|----------------------------|
|         |              |       | Nos      | Kgs |             |                            |
| 1       | CATTLE       | Nil   | Nil      | Nil | Nil         | Nil                        |
| 2       | SHEEP & GOAT | Nil   | Nil      | Nil | Nil         | Nil                        |
| 3       | POULTRY      | Nil   | Nil      | Nil | Nil         | Nil                        |
| 4       | FISHERIES    | Nil   | Nil      | Nil | Nil         | Nil                        |
| 5       | OTHERS       | Nil   | Nil      | Nil | Nil         | Nil                        |
|         | <b>TOTAL</b> | Nil   | Nil      | Nil | Nil         | Nil                        |

**3.6. Literature Developed/Published (with full title, author & reference)**

**(A) KVK News Letter (Date of start, Periodicity, number of copies distributed etc.)**

News letter No.1 (2007-08) No. of Copies- 1000

**(B) Literature developed/published**

| Item                                  | Title  | Authors name  | Number    |
|---------------------------------------|--|---|-----------|
| <b>Research papers / Book chapter</b> |  |   |           |
| (i)                                   |  |   |           |
| <b>Technical reports ( 8 )</b>        |  |   |           |
| News letters                          | 2  |   |           |
| Internet News Letter                  | 1  |   |           |
| Technical bulletins                   | Nil  |   |           |
| Popular articles                      | Nil  |   |           |
| Extension literature (7)              | 1. Lac production in Palash and ber<br>2. Wheat production technique | Dr. K.P. Tiwari<br>Dr. B.K. Tiwari<br>Dr. A. Sharma<br>Shri K. Sahare | 3000 each |
| <b>TOTAL</b>                          |  |   |           |

**N.B. Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English**

**(C) Details of Electronic Media Produced: Nil**

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

- 3.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs): Nil**
- 3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year: Used SRI system of improved technology for paddy transplanting.**
- 3.9 Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs): Nil**

| S. No. | Crop/ Enterprise | ITK Practiced | Purpose of ITK |
|--------|------------------|---------------|----------------|
|        |                  |               |                |

- 3.10 Indicate the specific training need analysis tools/methodology followed for**
- Identification of courses for farmers/farm women: Participatory Rural Appraisal and survey method.
  - Rural Youth: Participatory Rural Appraisal and survey method.

- Inservice personnel: On the basis of discussion during monthly workshops and feedback from Department of Agriculture.

### 3.11 Field activities

- i. Number of villages adopted: **One**
- ii. No. of farm families selected: 105
- iii. No. of survey/PRA conducted: One

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

Status of establishment of Lab : Nil

- 1. Year of establishment : Not available
- 2. List of equipments purchased with amount :

| Sl. No       | Name of the Equipment | Qty. | Cost |
|--------------|-----------------------|------|------|
| 1            |                       |      |      |
| 2            |                       |      |      |
| <b>Total</b> |                       |      |      |

### 3. Details of samples analyzed so far : Nil

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

## 4.0 IMPACT

### 4.1. Impact of KVK activities (Not to be restricted for reporting period): KVK started actual working from January 07 onwards, specifically from July 07 onwards

| Name of specific technology/skill transferred | No. of participants | % of adoption | Change in income (Rs.) |                  |
|---|---------------------|---------------|------------------------|------------------|
|   |                     |               | Before (Rs./Unit)      | After (Rs./Unit) |
|   |                     |               |                        |                  |
|   |                     |               |                        |                  |

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

### 4.2. Cases of large scale adoption: KVK started actual working from January 07 onwards, specifically from July 07 onwards (Please furnish detailed information for each case)

**4.3. Details of impact analysis of KVK activities carried out during the reporting period:  
KVK started actual working from January 07 onwards, specifically from July 07  
onwards**

## 5.0 LINKAGES

### 5.1 Functional linkage with different organizations

| Name of organization   | Nature of linkage   |
|--|---|
| Collector and Zila Panchayat Umaria  | KVK is involved in the technical meetings and advice to district for agricultural developments  |
| State Department of Agriculture / Horticulture / veterinary / fisheries, M.P. Agro, D.M.O. | KVK provide training for specific need based technological aspects and technical guidance as and when approached<br>KVK involves field staff in the development activities and to collect feed back<br>Play a vital role to refresh before cropping season.<br>Jointly organizing diagnostic survey, demonstrations, providing technical knowledge to the extension functionary |
| M.P. Beej avum Farm Vikas Nigam  | Provides breeder/ certified seed to farmers and KVK farm.   |

### 5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies : Nil

| Name of the scheme | Date/ Month of initiation | Funding agency | Amount (Rs.) |
|--------------------|---------------------------|----------------|--------------|
|                    |                           |                |              |

### 5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

| S. No. | Programme       | Nature of linkage   | Remarks |
|--------|-----------------|---|---------|
| 1      | Monthly meeting | Conducting with line departments in KVK office in every month |         |

### 5.4 Give details of programmes implemented under National Horticultural Mission: Nil

| S. No. | Programme | Nature of linkage | Constraints if any |
|--------|-----------|-------------------|--------------------|
|        |           |                   |                    |

### 5.5 Nature of linkage with National Fisheries Development Board: Nil

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

## 6. PERFORMANCE OF INFRASTRUCTURE IN KVK

### 6.1 Performance of demonstration units (other than instructional farm): Nil

| Sl. No. | Demo Unit | Year of estt. | Area | Details of production |         |      | Amount (Rs.)   |              | Remarks |
|---------|-----------|---------------|------|-----------------------|---------|------|----------------|--------------|---------|
|         |           |               |      | Variety               | Produce | Qty. | Cost of inputs | Gross income |         |
|         |           |               |      |                       |         |      |                |              |         |
|         |           |               |      |                       |         |      |                |              |         |

### 6.2 Performance of instructional farm (Crops) including seed production:

| Name of the crop | Date of sowing                      | Date of harvest   | Area (ha) | Details of production |                 |      | Amount (Rs.)   |              | Remarks            |
|------------------|-------------------------------------|-------------------|-----------|-----------------------|-----------------|------|----------------|--------------|--------------------|
|                  |                                     |                   |           | Variety               | Type of Produce | Qty. | Cost of inputs | Gross income |                    |
| <b>Cereals</b>   |                                     |                   |           |                       |                 |      |                |              |                    |
| Sesame           | 27-28 July & 1 <sup>st</sup> Aug-07 | 10-19 Oct.-07     | 4         | JTS-8                 | Jawahar seed    | 7.81 | 42597          | 46860        | Poor Germination   |
| Okra             | 27.07.08                            | 1-10-07& 22-10-07 | 0.5       | Parbani Kranti        | Jawahar Seed    | 0.40 | 4130           | 3200         | Sown as mixed crop |

### 6.3 Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.) : Nil

| Sl. No. | Name of the Product                                  | Qty       | Amount (Rs.)   |              | Remarks  |
|---------|--|-----------|----------------|--------------|--|
|         |  |           | Cost of inputs | Gross income |  |
|         | Jawahar bio fertilizer (PSB, Azotobactor, Rhizobium) | 12500 pkt | 7750/-         | 27750/-      | Sold the biofertilizers purchased from biofertilizer unit, JNKVV, Jabalpur valued Rs 1,11,000=00 |

### 6.4 Performance of instructional farm (livestock and fisheries production): Nil

| Sl. No | Name of the animal / bird / aquatics | Details of production |                 |      | Amount (Rs.)   |              | Remarks |
|--------|--------------------------------------|-----------------------|-----------------|------|----------------|--------------|---------|
|        |                                      | Breed                 | Type of Produce | Qty. | Cost of inputs | Gross income |         |
|        |                                      |                       |                 |      |                |              |         |

## 6.5 Utilization of hostel facilities: Hostel not available

Accommodation available (No. of beds) : Nil

| Months         | No. of trainees stayed | Trainee days (days stayed) | Reason for short fall (if any) |
|----------------|------------------------|----------------------------|--------------------------------|
| April 2008     | Nil                    |                            |                                |
| May 2008       | Nil                    |                            |                                |
| June 2008      | Nil                    |                            |                                |
| July 2008      | Nil                    |                            |                                |
| August 2008    | Nil                    |                            |                                |
| September 2008 | Nil                    |                            |                                |
| October 2008   | Nil                    |                            |                                |
| November 2008  | Nil                    |                            |                                |
| December 2008  | Nil                    |                            |                                |
| January 2009   | Nil                    |                            |                                |
| February 2009  | Nil                    |                            |                                |
| March 2009     |                        |                            |                                |

(for whole of the year)

## 7. FINANCIAL PERFORMANCE

### 7.1 Details of KVK Bank accounts

| Bank account        | Name of the bank            | Location | Account Number |
|---------------------|-----------------------------|----------|----------------|
| With Host Institute |                             |          |                |
| With KVK            | State bank of India, Umaria | Umaria   | 30114275226    |

### 7.2 Utilization of funds under FLD on Oilseed (Rs. In Lakhs):

| Item                        | Released by ICAR |              | Expenditure |              | Unspent balance as on 1 <sup>st</sup> April 2009 |
|-----------------------------|------------------|--------------|-------------|--------------|--|
|                             | Kharif 2008      | Rabi 2008-09 | Kharif 2008 | Rabi 2008-09 |  |
| <b>Inputs</b>               |                  |              | 9242        | 6484         | -  |
| <b>Extension activities</b> |                  |              | -           | 3174         | -  |
| <b>TA/DA/POL etc.</b>       |                  |              | -           | 294          | -  |
| <b>TOTAL</b>                | -                | -            | 9242        | 9952         | 4248   |

**7.3 Utilization of funds under FLD on Pulses (Rs. In Lakhs):**

| Item                        | Released by ICAR |              | Expenditure  |              | Unspent balance as on 1 <sup>st</sup> April 2009 |
|-----------------------------|------------------|--------------|--------------|--------------|--|
|                             | Kharif 2008      | Rabi 2008-09 | Kharif 2008  | Rabi 2008-09 |  |
| <b>Inputs</b>               | -                | -            | 8050         | 15040        | -  |
| <b>Extension activities</b> | -                | -            | 1485         | 814          | -  |
| <b>TA/DA/POL etc.</b>       | -                | -            | 2976         | -            | -  |
| <b>TOTAL</b>                | -                | -            | <b>12511</b> | <b>15854</b> | <b>1836</b>                                      |

\*

**7.4 Utilization of funds under FLD on Cotton (Rs. In Lakhs): Nil**

| Item                        | Released by ICAR |              | Expenditure |              | Unspent balance as on 1 <sup>st</sup> April 2008 |
|-----------------------------|------------------|--------------|-------------|--------------|--|
|                             | Kharif 2007      | Rabi 2007-08 | Kharif 2007 | Rabi 2007-08 |  |
| <b>Inputs</b>               |                  |              |             |              |  |
| <b>Extension activities</b> |                  |              |             |              |  |
| <b>TA/DA/POL etc.</b>       |                  |              |             |              |  |
| <b>TOTAL</b>                |                  |              |             |              |  |

## 7.5 Utilization of KVK funds during the year 200 - 09

| S. No.                                | Particulars  | Sanctioned | Released | Expenditure |
|---------------------------------------|--|------------|----------|-------------|
| <b>A. Recurring Contingencies</b>     |  |            |          |             |
| 1                                     | <b>Pay &amp; Allowances</b>  | 1700000    | 1700000  | 1492162     |
| 2                                     | <b>Traveling allowances</b>  | 75000      | 75000    | 62846       |
| 3                                     | <b>Contingencies</b>   | 650000     | 650000   | 649960      |
| A                                     | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) | 200000     |          | 123223      |
| B                                     | POL, repair of vehicles, tractor and equipments  | -          |          | 76753       |
| C                                     | Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)  | 450000     |          | 7708        |
| D                                     | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)                                      |            |          | 155419      |
| E                                     | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)   |            |          | 127702*     |
| F                                     | On farm testing (on need based, location specific and newly generated information in the major production systems of the area)                                 |            |          | 34186       |
| G                                     | Training of extension functionaries  |            |          | 6879        |
| H                                     | Maintenance of buildings   |            |          | -           |
| I                                     | Establishment of Soil, Plant & Water Testing Laboratory  |            |          | -           |
| J                                     | Library  |            |          | -           |
| K                                     | Others miscellaneous items   |            |          | 110515**    |
| <b>TOTAL (A)</b>                      |  |            |          | 220032      |
| <b>B. Non-Recurring Contingencies</b> |  |            |          |             |
| 1                                     | <b>Works</b>   | 50000      |          | 49969       |
| 2                                     | <b>Equipments including SWTL &amp; Furniture</b>   |            |          |             |
| 3                                     | <b>Vehicle</b> (Four wheeler/Two wheeler, please specify)  |            |          |             |
| 4                                     | <b>Library</b> (Purchase of assets like books & journals)  |            |          |             |
| <b>TOTAL (B)</b>                      |  | 50000      |          | 49969       |
| <b>C. REVOLVING FUND</b>              |  |            |          |             |
| <b>GRAND TOTAL (A+B+C)</b>            |  | 2475000    |          | 2254937     |

## **7.5 Status of revolving fund (Rs. in lakhs) for the three years:**

Rs 1,00,000 = 00 ( Rs. One lac) is allotted and released in the financial year 2007-08. No expenses and no receipt was made in Revolving fund

## **8.0 Please include information which has not been reflected above (write in detail).**

### **8.1 Constraints**

#### **(a) Administrative:**

- No infrastructural facilities available with KVK.
- Posting of technical and non-technical staff is must for smooth functioning of KVK.
- KVK needs basic facilities like Computer, Printer, fax, Motor cycle, furnitures etc.
- Placement of one Office Assistant Grade-1 may increase the efficiency of KVK

#### **(b) Financial**

- Dabrouha KVK farm needs heavy initial investment before operating normally. Extra allotment for the same can be done to meet out the initial investment.

#### **(c) Technical**

- Posting of SMS of Agri. Eng., Home Science and Veterinary is must for better developmental activity in this deprived district.
- Technical feed back from research station should be provided for better field application of improved technology.

**(Signature of Programme Coordinator)**

तृतीय वैज्ञानिक परामर्षदात्री समिति की बैठक दिनांक 09.05.2008 में दिये गये सुझावो पर कार्यवाही प्रतिवेदन

| क्रमांक | दिये गये सुझाव   | सुझाव के परिपेक्ष्य मे कार्यवाही प्रतिवेदन   |
|---------|--|--|
| 1       | <p>आमंत्रित किये गये विषिष्ट अतिथि श्री आर.बी. एस. तोमर मंडल प्रबंधक वन विकास निगम उमरिया ने बेकार नाला युक्त भूमि के किनारे बास व मेड़ो पर सागौन लगाने की बात कही तथा भुई आंवला (पीलीया की दवा) को हर्बल गार्डन, अन्तह सस्य फसल मे उगाने की बात कही एवं नाडेप विधि द्वारा खाद बनाने के लिये प्रषिक्षण देने की बात कही ।</p> | <ul style="list-style-type: none"> <li>● सुझाव के परिपालन मे कृषि विज्ञान केन्द्र के प्रक्षेत्र प्रदर्षन इकाई डबरौहा में प्रक्षेत्र की बाउंड्री मे एवं 0.4 हे में पड़त, पत्थरयूक्त अनुपयोगी भूमि पर शस्य वानिकी पद्धति के तहत (3ग1ण5 मी.) की दूरी पर सागौन एवं यूकेलिप्टस (क्लोनल) रोपण खरीफ 08 मे किया जा चुका है ताकि आम कृषकों को प्रषिक्षित किया जा सके ।</li> <li>● जिले मे पाये जाने वाले प्रमुख औषधीय पौधों को मेडिसनल काप कैफेटेरिया के रूप अलग-अलग रोगों मे उपयोगिता के आधार पर अलग-2 क्यारियों मे लगाया गया है । ताकि जिले के कृषक अपने क्षेत्रों मे पाये जाने वाले उपयोगी औषधीय पौधों की आसानी से पहचान एवं उपयोग कर सकें ।</li> <li>● साथ ही प्रक्षेत्र पर बनाये गये वर्मी कम्पोस्ट इकाई के द्वारा कृषकों के यहा उपलब्ध संसाधनों से वर्मी कम्पोस्ट एवं नाडेप कम्पोस्ट बनाने की तकनीकी का प्रचार-प्रसार प्रक्षेत्र पर ही आयोजित किये गये प्रषिक्षणों के माध्यम से किया जा रहा है ।</li> </ul> |
| 2       | <p>सहायक प्रबंधक ओ.पी. एम. अमलाई श्री के. एन. मिश्रा ने प्रत्येक कृषक को लकड़ी की आवश्यकता की पूर्ति के लिये जंगलो मे निर्भरता कम करने व ज्यादा से ज्यादा पौधे लगाना एवं ईंधन के रूप मे बंजर भूमि पर पौधे लगाने की बात कही ।</p>   | <p>शस्य वानिकी पद्धति के तहत वृक्षारोपण को बढ़ावा देने की दृष्टि से कृषक प्रक्षेत्रों पर वर्षा आधारित एक फसलीय भूखण्डो मे फलदार(आंवला ) एवं ईंधन एवं ईमारती (यूकेलिप्टस-क्लोनल) वाले वृक्षों के रोपण को केन्द्र की प्रमुख गतिविधियों मे सम्मिलित किया गया है। जिसका प्रदर्षन प्रक्षेत्र व कृषक प्रक्षेत्र पर विगत खरीफ-07 एवं खरीफ-08 से किया जा रहा है । जिसके माध्यम से अन्य ग्रामीण कृषको मे जागरुकता पैदा करने मे निष्चित ही मदद मिलेगी ।</p>  |

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| 3 | वरिष्ठ उद्यान विकास अधिकारी कुमारी यामिनी छतर ने सब्जियों के उन्नत किस्म के बीजों को बढ़ावा देने की बात कही ।  | खरीफ 2007 एवं 08 में वर्षा आधारित संसाधन विहीन प्रक्षेत्र पर भिन्डी की उन्नत किस्म परभनी क्वान्ती एवं व्ही. आर. ओ.-6 प्रजाति के उन्नत किस्म के बीज का उत्पादन कार्यक्रम लिया गया ताकि जिले में उन्नत किस्म के बीज को आम कृषक तक प्रचारित किया जा सकें । इसके अलावा उद्यानिकी विभाग के साथ संयुक्त तत्वाधानों में प्रक्षेत्र पर एवं विकासखण्ड स्तर पर कई प्रशिक्षण आयोजित कर कृषकों में जागरूकता पैदा करने का प्रयास किया जा रहा है ।   |
| 4 | ग्रामीण कृषि विस्तार अधिकारी चंदिया ने सभी फसलों में दीमक के एकीकृत प्रबंधन को कृषि विज्ञान केन्द्र के कार्यक्रम में जोड़ा जाय की उत्पादकता की बात कही ।   | चंदिया क्षेत्र में दीमक की विशेष समस्या के प्रबंधन हेतु रबी 2008 में कुछ कृषक प्रक्षेत्रों पर परीक्षण के तौर पर कार्यक्रम लेकर निदान करने का प्रयास किया जावेगा ।  |
| 5 | ग्रामीण कृषि विस्तार अधिकारी श्री सिद्धकी ने जिले में सोयाबीन फसल को बढ़ावा देने की बात कही ,कम समय में धान की पकने वाली किस्म व कोदो कुटकी की नई किस्में तथा मक्का में 60 दिन में पकने वाली किस्म की बात कही ।  | सुझाव के परिपालन में प्रक्षेत्र के कृषक कैफेटेरिया खरीफ-08 में सोयाबीन, कोदो, कुटकी, मक्का, उड़द, तिल, रामतिल, अरहर एवं धान की जैसी प्रमुख खरीफ फसलों की 5 से 8 किस्मों को एक ही भूखण्ड लगाकर परीक्षण प्रारम्भ किया जा चुका है, जिसका अवलोकन जिले के 1100 कृषक एवं 50 कृषि कार्यकर्ताओं/अधिकारियों को प्रक्षेत्र पर ही प्रशिक्षण एवं संगोष्ठी आयोजित कर स्थानीय किस्मों के साथ तुलनात्मक अंतर को दिखाने का प्रयास किया गया । सर्वोत्तम गुणवत्ता एवं उपज वाली उन्नत प्रजातियों को सामान्य कृषकों तक बीज की उपलब्धता कृषि विभाग के सहयोग से सुनिश्चित करवाने का प्रयास किया जावेगा । |
| 6 | कार्यक्रम के अध्यक्ष डा. नलीन खरे ने जिले के एकफसली क्षेत्र को द्विफसली क्षेत्र में परिवर्तित करने हेतु जिलास्तर पर आदर्श मॉडल बनाने , कृषक प्रक्षेत्रों में किये गये अनुसंधान एवं परीक्षण का आर्थिक मूल्यांकन करने, किसी भी नई फसल को प्रचारित करने से पूर्व उसका आर्थिक मूल्यांकन ( बी. सी. रेसो )करने, महिलाओं के स्वरोजगार हेतु कार्यक्रम बनाने एवं कतार पद्धति को प्रमोट करने एवं रात्रों को बढ़ावा, पोषक तत्व प्रबंधन बगीचा (न्यूट्रीशनल | माननीय अध्यक्ष महोदय के सुझाव के परिपालन में –<br><ul style="list-style-type: none"> <li>● एकफसली एवं पड़त वर्षाआधारित भूखण्डों को लाभप्रद बनाने की दृष्टि से शस्य वानिकी पद्धति से कृषक एवं स्वतः के प्रक्षेत्र पर माडल विकसित किया जा चुका है । जिसके अन्तर्गत विभिन्न फसलों को लगाकर उनके आर्थिक आय-व्यय का विवरण एकत्र किया जा रहा है ।</li> <li>● खरीफ 2008 में अग्रिम पंक्ति प्रदर्शन डालने के पूर्व कृषक प्रक्षेत्रों से मृदा नमूने एकत्र कर उनका परीक्षण अन्य केन्द्रों से कराया जा चुका है</li> </ul>   |

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|   | <p>गार्डन) बनाने, कृषक प्रक्षेत्रों में किसी भी तकनीक का परीक्षण से पूर्व मृदा परीक्षण की अनिवार्यता एवं किसान मोबाईल संदेश सप्ताह में 2 बार करने हेतु 120-140 किसानों का चयन करने, संदेश स्पेसफ़ीक होना इस मोबाईल संदेश में कुछ अधिकारी, एन.जी.ओ. एवं खाद-बीज, दवा विक्रेता को जोड़ने एवं <b>मोबाईल संदेश ग्राम के पंचायत के सूचना पटल</b> में संदेश लिखने की बात कही व इम्पेक्ट एनालीसीस अवश्य करने की बात कही ।</p> | <p>। आगे भी सुझाव का पर अमल करने का प्रयास किया जावेगा ।</p> <ul style="list-style-type: none"> <li>• किसान मोबाईल संदेश सुविधा का शुभारंभ पूर्व में आयोजित वैज्ञानिक परामर्षदात्री बैठक दिनांक 09 मई 2008 के दौरान श्रीमान् संयुक्त संचालक डॉ खरे जी द्वारा किया गया था । जो वर्तमान में दो बार प्रति सप्ताह चयनित 120 किसानों को समयानुसार – लाख की खेती, धान की एस.आर.आई पद्धति, खरीफ में लगने वाले रोग व कीड़ों एवं खरपतवारों के प्रबंधन उपाय संबंधी जानकारी किसान मोबाईल संदेश के माध्यम से प्रदान की जा रही है ।</li> <li>• किसान मोबाईल संदेश के प्रभाव के संबंध में प्रारम्भिक सर्वेक्षण में पाया कि 30 प्रतिशत कृषकों ने उपलब्ध कराई गई तकनीक का प्रायोगिक उपयोग किया एवं समय-समय पर टेलीफोन के माध्यम से तकनीकी के अंगीकरण के संबंध में कृषि विज्ञान केन्द्र के वैज्ञानिकों से सम्पर्क किया ।</li> </ul>  |
| 7 | <p>चंदिया के कृषक सदस्य श्री शिव गोविंद सिंह शुक्ला ने उन्नत किस्म के बीज किसानों को उपलब्ध कराये व बेर में लाख उत्पादन की बात कही ।</p>   | <ul style="list-style-type: none"> <li>• कृषि विज्ञान केन्द्र की स्थापना जुलाई 2007 से हुई । वर्ष 2007-08 से ही खरीफ एवं रबी सीजन में पलाष एवं बेर पर लगने वाली लाख के बीज को बाहर से लाकर प्रक्षेत्र एवं कृषक प्रक्षेत्र पर परीक्षण कर उत्पादन एवं लाभ आदि का आकलन किया एवं वर्तमान में कृषि विज्ञान केन्द्र प्रक्षेत्र पर जवाहर ब्रूड लाख का बीज उत्पादन पलाष के लगभग 4000 पौधों में किया जा चुका है । जिसका विक्रय वर्तमान खरीफ एवं रबी – 2008-09 से जिले के कृषकों के लिये प्रारंभ किया जा चुका है । एवं बेर लाख का परीक्षण प्रक्षेत्र पर लगभग 20 वृक्षों एवं पाली विकासखण्ड के 10 कृषकों के यहां विगत रबी सीजन से प्रारंभ किया जा चुका है । आय-व्यय का आकलन कर आगे बढ़ाने की योजना है । इस संबंध में लाख उत्पादन को जिले में अधिक प्रचारित – प्रसारित करने में अन्य सहयोगी विभाग उपसंचालक कृषि एवं जिला पंचायत के विभिन्न विस्तार योजनाओं के वित्तीय सहयोग विशेषगति प्रदान करना संभव हो सकेगा । इस तारतम्य में आत्मा परियोजना में लाख उत्पादन</li> </ul> |

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|   |   | <p>को बढ़ावा देने हेतु पूर्व में आयोजित बैठकों के माध्यम से कार्ययोजना में सम्मिलित करने हेतु प्रयास किया गया है। जिसका प्रायोगिक क्रियान्वयन संबंधित विभाग के माध्यम से वांछित है।</p> <ul style="list-style-type: none"> <li>उन्नत किस्म के बीजों की गुणवत्ता एवं जिले की लिये उपयुक्तता की तकनीकी जानकारी उपलब्ध कराने का कार्य कृषि विज्ञान केन्द्र सक्रिय रूप से प्रारम्भ कर चुका है। साथ ही अग्रिम पंक्ति प्रदर्शन, बीज ग्राम योजना एवं प्रक्षेत्रीय परीक्षण के माध्यम से प्रमुख रबी एवं खरीफ फसलों के नवीनतम से नवीनतम बीजों को कृषकों के बीच सीमित मात्रा में प्रतिवर्ष उपलब्ध कराया जा रहा है।</li> </ul>  |
| 8 | श्री द्विवेदी ग्रामीण कृषि विस्तार अधिकारी पाली ने पाली क्षेत्र में हवेली बांध है इसमें केवल धान फसल लेते हैं लेकिन वर्षा कम होने पर संभावित उपयुक्त फसलों के चुनाव की बात कही। | <p>हवेली पद्धति में धान की देर से पकने वाली किस्मों के स्थान पर उन्नत जल्दी पकने वाली किस्मों जैसे जे.आर.-201, पुसा सुगंधा-4, पुसा सुगंधा-5, एवं संकर किस्म जे.आर.एच-4, जे.आर.एच.-5, आदि किस्मों को लगाना अधिक उपयुक्त होगा। साथ ही उचित जल निकास की स्थिति में दोमठ एवं भारी भूमियों में सोयाबीन की खेती भी लाभप्रद हो सकती है।</p>  |
| 9 | नौगजा के किसान ने सब्जी में कॉस व घास की अति समस्या के निदान की बात रखी तथा खरीफ मौसम में प्याज की उन्नत खेती तकनीकी उपलब्ध कराने की बात कही।                                   | <ul style="list-style-type: none"> <li>खरीफ में प्याज की खेती की उन्नत तकनीक के उपर प्रक्षेत्रीय परीक्षण नौगजा, कछरवार गांवों में विगत खरीफ 2008 में किया गया था जिसका आर्थिक विप्लेषण करने के पश्चात् तकनीकी के प्रचार-प्रसार पर जोर दिया जावेगा।</li> <li>जिले में खरीफ एवं रबी फसलों एवं सब्जियों में खरपतवारों की समस्या को देखते हुवे उसके प्रबंधन हेतु विगत खरीफ एवं रबी से प्रक्षेत्रीय परीक्षण एवं अग्रिम पंक्ति परीक्षण एवं प्रषिक्षण के माध्यम से कृषकों के बीच जागरूकता पैदा करने का विशेष अभियान चलाया जा चुका है। जिले के तीनों विकासखण्डों में प्रमुख खरीफ एवं रबी फसल -धान एवं गेहूं को प्रारम्भ में चुना गया है। आगे सब्जियों एवं अन्य क्षेत्र विशेष की समस्याओं को भी कार्यक्रम में सम्मिलित करने का प्रयास</li> </ul> |

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|  |  | किया जावेगा । |
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## चतुर्थ वैज्ञानिक परामर्शदात्री बैठक 21-10-2008 का कार्यवृत्त

कृषि विज्ञान केन्द्र, उमरिया में दिनांक 21 अक्टूबर 2008 को चतुर्थ वैज्ञानिक परामर्शदात्री समिति की बैठक हुई। इस कार्यक्रम की अध्यक्षता जवाहरलाल नेहरू कृषि विष्वविद्यालय जबलपुर के संयुक्त संचालक विस्तार सेवाएँ डॉ. नलिन खरे ने किया कार्यक्रम के मुख्य अतिथि डिप्टी कलेक्टर श्री शैलेन्द्र सिंह सोलंकी एवं विषिष्ट अतिथि श्री के.डी. चौरसिया भूमिसंरक्षण अधिकारी जिला उमरिया की उपस्थिति में कृषि विज्ञान केन्द्र उमरिया के हॉल में दोपहर 2 बजे से 5 बजे तक सम्पन्न हुई। जिस बैठक में निम्नलिखित सदस्य गण उपस्थित हुए :-

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| १. डॉ. नलिन खरे  | अध्यक्ष       |
| संयुक्त संचालक विस्तार सेवाएँ जवाहरलाल नेहरू कृषि विष्वविद्यालय जबलपुर |               |
| २. श्री शैलेन्द्र सिंह सोलंकी  | मुख्य अतिथि   |
| डिप्टी कलेक्टर जिला-उमरिया   |               |
| ३. श्री के.डी. चौरसिया   | विषिष्ट अतिथि |
| भूमि संरक्षण अधिकारी उमरिया  |               |
| ४. श्री संतोष सिंह मोर्य   | सदस्य         |
| सहायक संचालक कृषि जिला- उमरिया   |               |
| ५. श्री मानसिंह ठाकुर  |               |
| सहायक संचालक कृषि जिला- उमरिया   |               |
| ६. डॉ. डी. के. सिंह  |               |
| सहायक संचालक कृषि जिला- उमरिया   |               |
| ७. श्री एम. के. श्रीवास्तव   |               |
| पशु चिकित्सक, जिला- उमरिया   |               |
| ८. श्री एल.एम. शुक्ला  |               |
| सहायक संचालक उद्यान जिला- उमरिया                                       |               |
| ९. श्री राजेन्द्र सिंह तोमर  |               |
| कृषि विशेषज्ञ, जबलपुर  |               |
| १०. श्री जे.पी. सिंह रघुवंशी   |               |
| जिला- कटनी   |               |
| ११. श्री एम. सी. भट्ट  |               |
| शाखा प्रबंधक जिला- उमरिया  |               |
| १२. श्री पंकज कुमार सिंह   |               |
| असिस्टेंट मैनेजर ओ.पी. एम. अमलाई                                       |               |
| १३. श्री रवीन्द्र शर्मा  |               |
| ओ.पी. एम. अमलाई  |               |
| १४. श्री सी. एल. आदिवासी   |               |
| वरिष्ठ कृषि विकास अधिकारी पाली   |               |

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| १७. श्री एस.एन. मिश्रा<br>वरिष्ठ ग्रामीण कृषि विकास अधिकारी मानपुर |                |
| १६. श्री आर.डी. यादव<br>वरिष्ठ ग्रामीण कृषि विकास अधिकारी करकेली   |                |
| १७. श्री बाला प्रसाद राठौर<br>ग्राम उफरी                           | सदस्य कृषक     |
| १८. श्री गोरिलाल गुप्ता<br>ग्राम डोडका चंदवार                      | प्रगतिशील कृषक |
| १९. श्री बालकेश विष्वकर्मा<br>ग्राम कछरवार                         | प्रगतशील कृषक  |
| २०. श्री मोहन राम सोनी<br>ग्राम कछरवार                             | सदस्य कृषक     |
| २१. श्रीमती विमला बाई राय<br>ग्राम कछरवार                          | सदस्य कृषक     |
| २२. श्री मोजीलाल रजक<br>ग्राम कछरवार                               | प्रगतशील कृषक  |
| २३. श्री छोटेलाल राय<br>ग्राम किरनताल                              | प्रगतशील कृषक  |
| २४. श्री ईश्वरदीन राठौर<br>ग्राम उफरी                              | प्रगतशील कृषक  |
| २५. श्रीमती इंदुवती राठौर<br>ग्राम उफरी                            | प्रगतशील कृषक  |
| २६. श्री सन्तोष कोल<br>ग्राम चंदिया ,                              | प्रगतशील कृषक  |
| २७. श्री अनुयाग शुक्ला<br>ग्राम चंदिया                             | प्रगतशील कृषक  |
| २८. श्री चौखेलाल अमलिया<br>ग्राम चंदिया                            | प्रगतशील कृषक  |
| २९. श्री बच्चू चौधरी<br>ग्राम कछरवार                               | प्रगतशील कृषक  |
| ३०. श्रीमती वेदवती श्रीवास्तव<br>ग्राम चंदिया                      | प्रगतशील कृषक  |

३१. कुज्योती श्रीवास्तव

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| ग्राम चंदिया                                  | प्रगतशील कृषक |
| 32. श्री कुंज बिहारी गुप्ता                   |               |
| ग्राम चंदवार                                  | प्रगतशील कृषक |
| 33. श्री दादुराम कोल                          |               |
| ग्राम कछरवार                                  | प्रगतशील कृषक |
| 34. डॉ. के. पी. तिवारी                        | पदेन सचिव     |
| कार्यक्रम समन्वयक कृषि विज्ञान केन्द्र उमरिया |               |
| 39. डॉ. आषुतोष शर्मा                          |               |
| एस.एम.एस., सस्य वानिकी                        |               |
| 36. श्री के. व्ही. सहारे                      |               |
| एस.एम.एस., विस्तार शिक्षा                     |               |
| 39. डॉ. बी. के. तिवारी                        |               |
| एस.एम.एस., सस्य विज्ञान                       |               |
| 37. श्री यू. एस. अवास्या                      |               |
| कार्यक्रम सहायक (कम्प्यूटर)                   |               |
| 38. श्री आर. विष्वकर्मा                       |               |
| वाहन चालक सह मैकेनिक                          |               |
| 40. श्री एस. वैष्य                            |               |
| वाहन चालक सह मैकेनिक                          |               |

बैठक में जिले के प्रगतशील कृषक (महिला / पुरुष) सदस्यों के अलावा कई अन्य प्रगतशील कृषक एवं ग्रामीण कृषि विस्तार अधिकारी सम्मिलित हुए । सर्वप्रथम चतुर्थ वैज्ञानिक परामर्षदात्री समिति की बैठक में पधारे हुए उपस्थित अध्यक्ष, विषिष्ठ अतिथि, एवं सम्मानित सदस्यों का पदेन सचिव द्वारा सम्मान किया गया ।

कार्यक्रम का शुभारंभ मॉ सरस्वती की प्रतिमा के समक्ष दीप प्रज्वलित करने के साथ ही श्री उदय अवास्या द्वारा मॉ सरस्वती की वंदना के साथ हुआ ।

डॉ. के. पी. तिवारी कार्यक्रम समन्वयक द्वारा कृषि विज्ञान केन्द्र उमरिया के तृतीय वैज्ञानिक परामर्षदात्री समिति की बैठक दिनांक 09-5-2008 में सदस्यों द्वारा दिये गये सुझावों पर की गई कार्यवाही प्रगति प्रतिवेदन प्रस्तुत किया गया । उसके बाद खरीफ-2008 का प्रगति प्रतिवेदन व आगामी रबी 2008-09 में आयोजित किये जाने वाले कार्यक्रमों पर चर्चा की गई ।

तदुपरान्त अध्यक्ष की अनुमति से समिति के विभिन्न सदस्यों ने कई उपयोगी सुझाव प्रदान किये । जिसका विवरण निम्नानुसार है :-

आमंत्रित किये गये **विषिष्ठ अतिथि डिप्टी कलेक्टर श्री एस.एस. सोलंकी** ने कृषि विज्ञान केन्द्र के तकनीकी कार्यक्रम को जिले के तीनों विकासखण्डों के लिये उपयोगी बतलाया व ज्यादा से ज्यादा किसानों को कृषि विज्ञान केन्द्र से जोड़ने की बात कही ।

**कार्यवाही- कार्यक्रम समन्वयक**

कार्यक्रम के अध्यक्ष डा. नलीन खरे ने जिले के एकफसली क्षेत्र को द्विफसली क्षेत्र में परिवर्तित करने हेतु जिलास्तर पर आर्द्र ढाँडा बनाने कृषक प्रक्षेत्रों में किये गये अनुसंधान एवं परीक्षण का आर्थिक मूल्यांकन करने , किसी भी नई फसल को प्रचारित-प्रसारित करने से पूर्व उसका आर्थिक मूल्यांकन करने , महिलाओं के स्वरोजगार हेतु कार्यक्रम बनाने एवं कतार पद्धति को प्रमोट करने एवं यंत्रों को बढ़ावा , पोषक तत्व प्रबंधन (न्यूट्रीसनल) गार्डन बनाने , कृषक प्रक्षेत्रों में किसी भी तकनीक का परीक्षण से पूर्व मृदा परीक्षण की अनिवार्यता एवं किसान मोबाईल संदेश सप्ताह में 2 बार 120-140 किसानों का चयन करने , संदेश स्पेशलफिक होना इस मोबाईल संदेश में कुछ अधिकारी , एन.जी.ओ. एवं खाद-बीज, दवा विक्रेता को जोड़ने एवं मोबाईल संदेश गांव के पंचायत के बोर्ड में संदेश लिखने व इम्पेक्ट एनालीसिस अवश्य करने की बात कही । साथ ही कुसुम की खेती को प्रोत्साहित करने व बौने के समय के बारे में कृषकों को अवगत कराने की बात कही ।

#### कार्यवाही- कार्यक्रम समन्वयक

सहायक प्रबंधक ओ.पी. एम. अमलाई श्री पंकज कुमार सिंह ने कृषकों के लकड़ी की आवश्यकता की पूर्ति के लिये जंगलों में निर्भरता कम करने व ज्यादा से ज्यादा पौधे लगाना एवं ईंधन के रूप में बंजर भूमि पर पौधे लगाने की बात कही ।

#### कार्यवाही- कार्यक्रम समन्वयक

डॉ. शुक्ला , उपसंचालक उद्यानिकी ने सब्जियों में खरपतवार नियंत्रण की तकनीकी जानकारी कृषकों को उपलब्ध कराने की बात कही । जिले में उपलब्ध जल संरचनाओं में सिंचाई की खेती को बढ़ावा देने की बात की । टमाटर एवं प्याज की वर्षा आधारित खेती हेतु तकनीकी जानकारी कृषकों को उपलब्ध कराने की बात की । सिंचित गेहूँ के साथ आलू को बढ़ावा दिया जाये । साथ ही अदरक हल्दी की संभावनाओं व बीज की उपलब्धता सुनिश्चित करने का प्रयास करें ।

#### कार्यवाही- कार्यक्रम समन्वयक, उपसंचालक उद्यानिकी, संचालक प्रक्षेत्र

श्री बच्चू चौधरी कछरवार के कृषक ने एस.आर. आई. पद्धति को अच्छे बतलाया साथ ही खरपतवार की समस्या के नियंत्रण की रासायनिक विधियों की उचित तकनीकी बताने की बात की ।

#### कार्यवाही- कार्यक्रम समन्वयक

श्री चौखेलाल अमलिया कृषक ने सोयाबीन की फसल में फलियों में दानों का भराव सही न होना बतलाया । सोयाबीन की जिले के लिये उपयुक्त किस्म की अनुसंधान करने की बात कही ।

#### कार्यवाही- कार्यक्रम समन्वयक

श्री बाला प्रसाद राठौर कृषक ने धान-गेहूँ फसल चक्र में गेहूँ की नई उन्नतधिल अधिक उत्पादन वाली किस्मों की जानकारी कृषकों को बतलाने की बात कही ।

#### कार्यवाही- कार्यक्रम समन्वयक

श्री बालकेश विष्वकर्मा, कृषक ग्राम कछरवार ने कृषि में उपयोगी नई-नई मशीनरी की तकनीकी जानकारी का उपलब्ध न होना बतलाया, एवं यंत्रों की उपलब्धता एवं उनके प्रदर्शन जिला स्तर पर होने की बात कही ।

#### कार्यवाही- कार्यक्रम समन्वयक एवं उपसंचाल कृषि

अपने अध्यक्षीय उद्बोधन एवं तकनीकी कार्यक्रम क्रियान्वयन हेतु प्रोत्साहित करते हुये डा० नलिन खरे ने कृषि विज्ञान केन्द्र की किसान मोबाईल संदेश सेवा को किसानों के लिये अत्यन्त लाभकारी बतलाया एवं प्रत्येक संदेश को किसान अपने गाँव में नोटिस बोर्ड पर अवश्य लिखे। साथ ही जानवरों की ऐश प्रथा के प्रति अपनी विंता जाहिर की एवं किसानों को जानवर बांधकर चारा खिलाने की बात कही।

कृषि विज्ञान केन्द्र में विषय वस्तु विशेषज्ञ- पशु चिकित्सक व कृषि अभियंत्रािकी की आवश्यकता को प्रतिपादित करते हुये निकटस्थ कृषि विज्ञान केन्द्र से आवश्यकतानुसार समय-समय पर बुलवाने हेतु पत्राचार करने की बात कही। साथ ही पशु स्वास्थ्य केंप लगाने की आवश्यकता पर जोर दिया।

जिले के विभिन्न लाईन डिपार्टमेन्ट के मैदानी कार्यकर्ताओं हेतु अन्तः सेवाकालीन प्रशिक्षण समय-समय पर आयोजित करने हेतु कहा।

कृषि विज्ञान केन्द्र द्वारा लगाये गये **काप कैफेटेरिया** को किसानों के लिये अच्छी किस्म के चुनाव हेतु अत्यन्त उपयोगी बतलाया एवं चयनित किस्म को जिले में प्रचारित प्रसारित करने हेतु ठोस कदम उठाने की बात कही।

कृषि विज्ञान केन्द्र द्वारा कृषक महिलाओं को फसल कटाई हेतु नये कटाई यन्त्र के बारे में प्रशिक्षण प्रदान करने हेतु कहा।

कृषि विज्ञान केन्द्र द्वारा बीज ग्राम योजना कार्यक्रम में महिलाओं को बीजोपचार व बीज को आगे उपयोग हेतु बीज बनाकर अच्छे से रखने हेतु प्रशिक्षित करने की बात कही।

बीज की उपलब्धता सुनिश्चित करने के संबंध में उद्यानिकी विभाग से मांग पत्र प्राप्त कर संचालक प्रक्षेत्र ज.ने.कृ.वि.वि. जबलपुर से उपलब्ध कराने की बात कही।

**कार्यवाही- कार्यक्रम समन्वयक**

**कार्यक्रम समन्वयक  
कृषि विज्ञान केन्द्र  
उमरिया(म.प्र.)**