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**Phone No.: 06422-**

**ANNUAL ACTION PLAN**

**APRIL, 2017 - MARCH, 2018**

**GVT - KRISHI VIGYAN KENDRA**

**Chakeshwari Farm, Godda, Jharkhand-814133**

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**GVT-KRISHI VIGYAN KENDRA, GODDA, JHARKHAND - 814133**

**Annual Action Plan**

**April, 2017 to March, 2018**

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**Action Plan (2017 – 18)**

1. Name of the KVK: GVT - Krishi Vigyan Kendra, Godda, Jharkhand
2. Name of host organization: Gramin Vikas Trust, Noida
3. Training programme to be organized
4. **Farmers and farmwomen**

| **Thematic Area** | **Course Title** | **Month** | **No. of courses** | **Duration** | **SC** | **ST** | **Others** | **Total No. of participants** | | **Total** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Male** | **Female** |
| **AGRONOMY** |  |  |  |  |  |  |  |  |  |  |
| Nursery Management | Nursery management of paddy for SRI method | May | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated crop management | Production technology of pigeon pea | June | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated crop management | Production technology of Ole and sweet potato | June | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Soil Management | Acid soil management technology | Aug | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Weed Management | Weed management technology of paddy | Sept | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated Crop Management | Drought situation management technology | Oct | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated crop management | Production technology of rabi maize | March | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated crop management | Production technology of potato | Dec | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated crop management | Production technology of rabi pulses | Dec | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated crop management | Scientific cultivation of wheat by SWI | Jan | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated crop management | Production technology of sugarcane | Feb | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated crop management | Nutrient management in mustard | Feb | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| **ANIMAL HUSBANDRY** |  |  |  |  |  |  |  |  |  |  |
| Sheep Management | Low cost Production technology for sheep rearing | April | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Feed management | Low cost feeding material in village area for livestock | May | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Goatry Management | Feeding and disease management of goat | June | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Dairy Management | Feeding and Housing Management of cattle | July | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Poultry management | Feeding management of poultry | August | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Piggery Management | Scientific method of rearing of pigs in village condition | Sept | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Dairy Management | Fodder production of livestock | Oct | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Poultry management | Disease management of poultry | Nov | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Disease Management | Fertility management in livestock | Dec | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Disease Management | Vaccination programme of pigs | January | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Feed Management | Feeding management of pregnant and milch animals | Febr | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Dairy Management | Disease management of livestock | March | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| **PLANT PROTECTION** |  |  |  |  |  |  |  |  |  |  |
| Integrated pest management | Management of viral disease in ladies finger and green gram | May | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated disease management | Seed treatment in major Kharif crops | June | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated pest management | Important insect pests of paddy and their management | Aug | 02 | 01 | 10 | 10 | 40 | 40 | 20 | 60 |
| Integrated pest management | Important insect pests of cucurbits and their management | Aug | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated disease management | Important diseases of paddy and their management | Aug | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated Pest Management | Management of wilt diseases in solanaceous vegetables | Sept | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated disease management | Late blight disease of potato & their management | Dec | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated Pest Management | Aphids management in mustard | Dec | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated Pest Management | Pod borer management in pigeon pea | Jan | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated disease management | Insect pests of mango & their management | Jan | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated Pest Management | Pod borer management in Rabi pulses | Feb | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated Pest Management | Management of insect pests of sugarcane | Feb | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| **HORTICULTURE** |  |  |  |  |  |  |  |  |  |  |
| Management of young plant orchards | Management of newly established mango orchard | May | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Nursery raising | Techniques for nursery raising of solanaceous vegetables | June | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Cultivation of fruit | Nutrient management in mango orchards | July | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Cultivation of fruit | Production technology of Papaya | July | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Others, if any (Vegetable) | Scientific cultivation of tomato | Aug | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Others, if any (Floriculture) | Scientific Cultivation of marigold | Aug | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Others, if any (Vegetable) | Cultivation techniques of cole crops. | Sept | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Production and management technology of spices | Production techniques of spices | Oct | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Others, if any (vegetable) | Package and practices of cultivation of onion | Nov | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Others, if any (vegetable) | Scientific cultivation of okra | Jan | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| Cultivation of fruit | High density orchard of guava | Feb | 01 | 01 | 5 | 5 | 20 | 20 | 10 | 30 |
| **HOME SCIENCE** |  |  |  |  |  |  |  |  |  |  |
| Design and development of low / minimum cost diet | Supplementary nutrition for infants from locally available agro products | April | 01 | 01 | 5 | 5 | 20 | 05 | 25 | 30 |
| Designing and development for high nutrient efficiency diet | Method of preparation of high efficient low cost nutritionally effective weaning food | May | 01 | 01 | 5 | 5 | 20 | 05 | 25 | 30 |
| Minimization of nutrients loss in processing | Preventing nutrient loss during cooking | June | 01 | 01 | 5 | 5 | 20 | 05 | 25 | 30 |
| Storage loss minimization technology | Awareness about safe grain storage | July | 01 | 01 | 5 | 5 | 20 | 05 | 25 | 30 |
| Value addition | Preservation of seasonal fruits & vegetables | August | 01 | 01 | 5 | 5 | 20 | 05 | 25 | 30 |
| Capacity building | Income generation by value addition | Sept | 01 | 01 | 5 | 5 | 20 | 05 | 25 | 30 |
| Women and child care | Balance diet for lactating mothers | Oct | 01 | 01 | 5 | 5 | 20 | 05 | 25 | 30 |
| Household food Security by kitchen gardening and nutrition gardening | Nutritional garden for nutrition security | Nov | 01 | 01 | 5 | 5 | 20 | 05 | 25 | 30 |
| Storage loss minimization technology | Awareness about safe grain storage | Dec | 01 | 01 | 5 | 5 | 20 | 05 | 25 | 30 |
| Value addition | Preservation of seasonal fruits & vegetables | Jan | 01 | 01 | 5 | 5 | 20 | 05 | 25 | 30 |
| Designing and development for high nutrient efficiency diet | Method of preparation of high efficient low cost nutritionally effective weaning food | Feb | 01 | 01 | 5 | 5 | 20 | 05 | 25 | 30 |
| Women and child care | Importance of vaccination among children | March | 01 | 01 | 5 | 5 | 20 | 05 | 25 | 30 |
| **AG. EXTENSION** |  |  |  |  |  |  |  |  |  |  |
| Resource conservation technology | Method of rain water harvesting | April | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Soil and Water testing | Method of soil sample collection for analysis | May | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Integrated farming | Integrated farming system | July | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Leadership Development | Leadership Development among farmers | Aug | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Formation & Management of SHGs | Formation & Management of SHGs | Sept | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Entrepreneurial Development of farmers/youths | Entrepreneurial Development of Farmers | Oct | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Group dynamics | Sensitization of farmers clubs & JLG | Oct | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Soil and Water testing | Method of soil sample collection for analysis | Oct | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Formation and management of SHGs | Use of PRA technique for information collection & Problem related to marketing of SHGs produce. | Dec | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Enterprise development and skill development | Awareness programme about the benefit of crop insurance scheme | Jan | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Resource conservation technologies | Techniques of soil and water management | Feb | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |
| Group dynamics | Formation & Importance of Farmer club & Farm School | March | 01 | 1 | 5 | 5 | 20 | 20 | 10 | 30 |

1. **Rural Youth :**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic Area** | **Course Title** | **Month** | **No. of courses** | **Duration** | **SC** | **ST** | **Others** | **Total No. of participants** | | **Total** |
| **Male** | **Female** |
| **AGRONOMY** |  |  |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery | Repair and maintenance of pumping set, hand pump etc. | July | 01 | 5 | 5 | 5 | 15 | 20 | 5 | 25 |
| Seed production | Seed production of oilseeds | Sept. | 01 | 5 | 5 | 5 | 15 | 20 | 5 | 25 |
| **PLANT PROTECTION** |  |  |  |  |  |  |  |  |  |  |
| Mushroom Production | Production of Mushroom | Sept. | 01 | 5 | 5 | 5 | 15 | 20 | 5 | 25 |
| Mushroom Production | Production of Mushroom | Nov | 01 | 5 | 5 | 5 | 15 | 20 | 5 | 25 |
| **ANIMAL HUSBANDRY** |  |  |  |  |  |  |  |  |  |  |
| Goatry production | Improved technology for goatry farming | Sept | 01 | 5 | 5 | 5 | 15 | 20 | 5 | 25 |
| Paravet | Disease management of livestock | Nov | 01 | 5 | 5 | 5 | 15 | 20 | 5 | 25 |
| Piggery | Management and feeding practice in pig farming | Dec | 01 | 5 | 5 | 5 | 15 | 20 | 5 | 25 |
| Poultry | Improved technology for poultry farming | July | 01 | 5 | 5 | 5 | 15 | 20 | 5 | 25 |
| **HORTICULTURE** |  |  |  |  |  |  |  |  |  |  |
| Planting Material Production | Plant propagation techniques in fruit crops | July | 01 | 5 | 5 | 5 | 15 | 20 | 5 | 25 |
| Protected cultivation of vegetable crops | Protected cultivation of vegetable crops | Nov | 01 | 5 | 5 | 5 | 15 | 20 | 5 | 25 |
| **HOME SCIENCE** |  |  |  |  |  |  |  |  |  |  |
| Tailoring and Stitching | Stitching of Appliqué | Sept | 01 | 06 | 5 | 5 | 15 | 00 | 25 | 25 |
| Small scale processing | Value addition of surplus local vegetables and fruits. | Feb | 01 | 06 | 5 | 5 | 15 | 00 | 25 | 25 |
| **AG. EXTENSION** |  |  |  |  |  |  |  |  |  |  |
| Integrated farming | Integrated farming system | Jan | 01 | 5 | 5 | 5 | 15 | 20 | 5 | 25 |
| Enterprise development | Enterprise development in quality agril. Inputs | Feb | 01 | 5 | 5 | 5 | 15 | 20 | 5 | 25 |

1. **Extension functionaries :**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic Area** | **Course Title** | **Month** | **No. of courses** | **Duration** | **SC** | **ST** | **Others** | **Total No. of participants** | | **Total** |
| **Male** | **Female** |
| **AGRONOMY** |  |  |  |  |  |  |  |  |  |  |
| Integrated nutrient management | INM in paddy | June | 01 | 1 | 5 | 5 | 15 | 20 | 5 | 25 |
| Productivity enhancement in field crops | Productivity enhancement in field crops through updated cultivation technique. | Dec | 01 | 1 | 5 | 5 | 15 | 20 | 5 | 25 |
| **PLANT PROTECTION** |  |  |  |  |  |  |  |  |  |  |
| Integrated pest management | IPM of Rice | Aug | 01 | 1 | 5 | 5 | 15 | 20 | 5 | 25 |
| Integrated pest management | Importance of bio-pesticides | Nov | 01 | 1 | 5 | 5 | 15 | 20 | 5 | 25 |
| **ANIMAL HUSBANDRY** |  |  |  |  |  |  |  |  |  |  |
| Management in farm animals | Improved technology on management aspects | December | 01 | 1 | 5 | 5 | 15 | 20 | 5 | 25 |
| Livestock feed and fodder production | Forage and fodder crop cycle in rural area | August | 01 | 1 | 5 | 5 | 15 | 20 | 5 | 25 |
| **HORTICULTURE** |  |  |  |  |  |  |  |  |  |  |
| Others (Micro irrigation systems of orchards) | Role of micro irrigation in horticultural crops. | Sept | 01 | 1 | 5 | 5 | 15 | 20 | 5 | 25 |
| Protected cultivation technology | Scientific cultivation of off season vegetables | Oct | 01 | 1 | 5 | 5 | 15 | 20 | 5 | 25 |
| **HOME SCIENCE** |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs | Women empowerment through Income generation | July | 01 | 1 | 5 | 5 | 15 | 00 | 25 | 25 |
| Women and child care | Nutritional security | October | 01 | 1 | 5 | 5 | 15 | 00 | 25 | 25 |
| **AG. EXTENSION** |  |  |  |  |  |  |  |  |  |  |
| Group Dynamics and farmers organization | Role of extension officials in transfer of farm technologies | July | 01 | 01 | 5 | 5 | 15 | 20 | 05 | 25 |
| Capacity building for ICT application | Training on ICT application in agriculture & allied sectors | Dec | 01 | 01 | 5 | 5 | 15 | 20 | 05 | 25 |

1. **Sponsored Training :**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic Area** | **No. of courses** | **Duration** | **SC** | **ST** | **Others** | **Total No. of participants** | | **Total** |
| **Male** | **Female** |
| Integrated Crop management | 02 | 1 | 10 | 10 | 40 | 40 | 20 | 60 |
| Integrated pest management | 02 | 1 | 10 | 10 | 40 | 40 | 20 | 60 |
| Production of livestock feed and fodder | 02 | 1 | 10 | 10 | 40 | 40 | 20 | 60 |
| Plant propagation techniques | 02 | 1 | 10 | 10 | 40 | 40 | 20 | 60 |
| **TOTAL** | **08** | **4** | **40** | **40** | **160** | **160** | **80** | **240** |

**4. Frontline demonstration**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Season** | **Thematic area** | **Crop** | **Variety/ technology** | **No. of demonstration** | **No. / area (ha)** |
|  | Kharif | Integrated crop management | Paddy | Short duration (Shatabadi/Heera /Sahbahgi etc.) | 13 | 05 |
|  | Kharif | Crop diversification | Sweet potato | Kisan/Improved variety | 10 | 01 |
|  | Rabi | INM | Maize | FYM 30q + 120 : 60 : 40 | 10 | 2 |
|  | Kharif | Poultry management | poultry | Cari Shyama/ Red Divyan/ Cari Red, Jharsim | 2 | 30 |
|  | Kharif | Disease Management | Cattle/goat | vaccination (HSBQ ) | 4 (village) | 300 |
|  | Rabi | Disease Management | Goat | Vaccination (PPR) | 4 (village) | 200 |
|  | Rabi | Disease Management | Pig | Vaccination (Swine fever) | 4 (village) | 50 |
|  | Rabi | IDM | Brinjal | Bio pesticide (*Trichoderma*) | 10 | 10 |
|  | Rabi | IPM | Cauliflower | Bio pesticide (*Spinosad*) | 20 | 01 |
|  | Rabi | IPM | Tomato | Bio pesticide (*HaNPV*) | 20 | 02 |
|  | Rabi | Production of spices | Garlic | Yamuna safed - 2 | 10 | 0.1 |
|  | Kharif | Veg. Production | Tomato | Ridge and furrow with staking | 10 | 2.0 |
|  | Rabi | Veg. Production | Brocolli | Fiesta/Improved variety | 10 | 0.5 |
|  | Rabi | Veg. Production | Garden beet | Detroit dark red | 10 | 0.3 |
| 15. | Kharif | Drudgery reduction | Maize, gram | CIAE Seed drill | 10 | 01 |
| 16. | Kharif | Nutritional Garden | Green and leafy vegetables (GLF) | Improved varieties | 10 | 0.2 |
| 17. | Rabi | Nutritional Garden | Green and leafy vegetables (GLF) | Improved varieties | 10 | 0.2 |
| 18. | Kharif/Rabi | Drudgery reduction | Potato /radish | Hand ridger | 15 | 05 |
| 19. | Kharif/Rabi | Drudgery reduction | 2 Unit | Maize sheller | 10 | 01 |

1. **CLUSTER FRONT LINE DEMONSTRATION**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. N.** | **Season** | **Crop** | **Variety** | **Area (ha)** | **No. of demonstration** |
| **A.** | **Kharif** |  |  |  |  |
| 1. |  | Groundnut | Birsa mungfali – 3/Improved | 10 | 25 |
| 2. |  | Pigeonpea | NDA – 1/2/Asha/Improved | 30 | 75 |
| 3. |  | Kulthi | Madhu/Indira Kulthi/Birsa Kulthi – 1/Improved | 10 | 25 |
| **B.** | **Rabi** |  |  |  |  |
| 1. |  | Mustard | Pusa Mahak/Pusa - 28 | 30 | 75 |
| 2. |  | Chickpea | JAKI – 9218/Improved | 30 | 75 |
| 3. |  | Lentil | DPL – 62/HUL | 20 | 50 |
| **C.** | **Summer** |  |  |  |  |
| 1. |  | Green gram | HUM – 16/Pusa Vishal/Improved | 30 | 75 |

1. **Extension Activities**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Nature of Extension Activity** | **No. of activities** | **Quarter wise number** | | | | **No. of participants** | | **Total** |
| **I** | **II** | **III** | **IV** | **Male** | **Female** | **Total** |
| Field Day | 02 | 00 | 00 | 1 | 1 | 30 | 52 | 82 |
| Kisan Mela | 02 | 00 | 00 | 00 | 2 | 0 | 0 | 0 |
| Kisan Gosthi | 03 | 1 | 1 | 1 | 00 | 63 | 60 | 123 |
| Exhibition | 01 | 00 | 1 | 00 | 00 | 0 | 0 | 0 |
| Film Show | 02 | 00 | 1 | 1 | 00 | 70 | 0 | 70 |
| Method Demonstrations | 01 | 00 | 1 | 00 | 00 | 25 | 20 | 45 |
| Workshop | 02 | 00 | 1 | 1 | 00 | 68 | 5 | 73 |
| Group meetings | 06 | 1 | 2 | 2 | 1 | 85 | 30 | 115 |
| Lectures delivered as resource persons | 12 | 3 | 3 | 3 | 3 | 222 | 101 | 323 |
| Advisory Services | 175 | 25 | 40 | 45 | 65 | 250 | 25 | 275 |
| Scientist visit to farmers field | 60 | 15 | 15 | 15 | 15 | 475 | 125 | 600 |
| Farmers visit to KVK | 300 | 75 | 75 | 75 | 75 | 210 | 105 | 315 |
| Diagnostic visits | 50 | 10 | 15 | 10 | 15 | 302 | 43 | 345 |
| Ex-trainees Sammelan | 01 | 00 | 1 | 00 | 00 | 35 | 15 | 50 |
| Animal Health Camp | 08 | 2 | 2 | 2 | 2 | 250 | 150 | 400 |
| Soil test campaigns | 10 | 3 | 2 | 3 | 2 | 250 | 150 | 400 |
| Farm Science Club conveners meet | 03 | 00 | 1 | 1 | 1 | 60 | 0 | 60 |
| Plant Clinic Day | 02 | 00 | 1 | 00 | 1 | 65 | 35 | 100 |
| Celebration of important days (Kisan Diwas (23rd  Dec, National Science Day, 28th Feb) | 02 | 00 | 00 | 1 | 1 | 68 | 32 | 100 |
| Swachh Bharat Abhiyaan | 12 | 3 | 3 | 3 | 3 | 300 | 60 | 360 |
| International Women Day (8th March) | 01 | 00 | 00 | 00 | 1 | 00 | 30 | 30 |
| International Water Day (22nd March) | 01 | 00 | 00 | 00 | 1 | 40 | 20 | 60 |
| International Environment Day (5th June) | 01 | 01 | 00 | 00 | 00 | 40 | 20 | 60 |
| Women Empowerment Day (15 October) | 01 | 00 | 00 | 1 | 00 | 00 | 50 | 50 |
| **Total** | **658** | **139** | **165** | **165** | **189** | **2908** | **1128** | **4036** |

1. **On-farm trials to be conducted:**

| **Thematic area** | **Problem** | **Title** | **Technology options** | **No. of farmers** |
| --- | --- | --- | --- | --- |
| Weed management | Low yield of wheat due to infestation of weeds | Integrated weed management in wheat (DWR, Karnal) | 1. Farmers’ practice (01 hand weeding at 20 – 25 DAS) 2. Farmers’ practice (01 hand weeding at 20 – 25 DAS) + furrow irrigated ridge bed system 3. Farmers’ practice (01 hand weeding at 20 – 25 DAS) + furrow irrigated ridge bed system + soil application of *Trichoderma* *viridae* (5 Kg/ha) 4. Farmers’ practice (01 hand weeding at 20 – 25 DAS) + furrow irrigated ridge bed system + Application of 2, 4 – D sodium salt (80 WP) @ 0.75 Kg/ha at 30 – 35 DAS | 10 |
| Integrated nutrient management | Low yield of sweet potato due to unavailability of phosphorus and molybdenum | Effect of PSB and Molybdenum on growth and yield of sweet potato (CTCRI, Thiruvananthpuram) | 1. Farmers’ practice 2. Farmers’ practice + 1 Kg Mo/ha 3. Farmers’ practice + 1 Kg Mo/ha + 25 Kg PSB/ha) 4. Recommended dose (60kg N/ha+ 60kg P2O5/ha. + 60 K2O/ha. + 15 FYM/ha) 5. Recommended dose (60kg N/ha+ 60kg P2O5/ha. + 60 K2O/ha. + 15 FYM/ha + 1kg Mo/ha) | 10 |
| Integrated Pest Management | Low yield of sweet potato due to infestation of weevil | Integrated pest management of sweet potato weevil (RC - CTCRI, Bhubaneswar) | 1. Farmers’ practice (Phorate 10 G 20 Kg/ha))   2. Soil amendment with neem cake (400 Kg/ha) + Dipping of vines in deltamethrin 2.5 EC + spraying of profenofos 50 EC  3. Soil amendment with karanj cake (400 Kg/ha) + Basal application of carbofuran 3G + spraying of spinosad 2.5 EC | 10 |
| Integrated pest management | Low yield of chilli due to leaf curl disease | Management of leaf curl disease in chilli (Visva Bharti, Sriniketan, W.B.) | 1. Farmers’ practice (Injudicious use of pesticides) 2. Boom tet (1 ml/l) + Diafenthiuron 50 WP (0.5g/l) 3. Seed treatment with Imidacloprid (10g/Kg) + spraying of acephate 50 WP (1g/l) 4. Seedling treatment Imidacloprid (0.3 ml/l) + spraying of Imidacloprid 50 WP (1g/l) | 10 |
| Feed management | High Environmental Temperature During Summer | Effect of Vitamin E supplementation on performance and immunity of CARI SHYAMA layers during heat stress ( | 1. Farmer practice (Provide fresh and clean water + common layer feed) 2. common layer feed + Supplemental Vitamin E in diets 25 mg/ kg 3. common layer feed + Supplemental Vitamin E in diets 125 mg/ kg 4. common layer feed + Supplemental Vitamin E in diets 250 mg/ kg 5. common layer feed + Supplemental Vitamin E in diets 500 mg/ kg | 10 |
| Feed Management | Nutritional deficiency in poultry (layer) | Effect of supplemental phytase in diet on certain economic traits in Aseel layer ( | 1. Farmer practice (Provide fresh and clean water + common layer feed) 2. common layer feed + Phytase suplementation in diets 200 Unit/ kg 3. common layer feed + Phytase suplementation in diets 300 Unit/ kg 4. common layer feed + Phytase suplementation in diets 400 Unit/ kg | 10 |
| Hybrid vegetable production | Poor yield of okra due to low yielding variety | Varietal evaluation of hybrid okra with respect of Godda district. (IIVR, Varanasi) | 1. Avantika (F1) (Bioseeds) 2. Shakti (F1) (Nunhems) 3. Rohini (F1) (Nuzi Veedu) 4. Nirogi (F1) (Suraj Crop Science) | 10 |
| Hybrid vegetable production | Poor fruit set of brinjal due to heterostyled nature | Effect of PGR on growth and yield of brinjal (AAU, Anand, Gujarat) | 1. Farmers practice (No use of PGR) 2. 2, 4 - D (2 ppm) 3. 2, 4 - D (4 ppm) 4. NAA (30 ppm) 5. NAA (60 ppm) |  |
| Value addition | Low price of cauliflower in peak season | Assessment of different low cost preservation techniques in cauliflower (AAU, Allahabad) | 1. Farmers’ practice (sun drying)  2. 4% Salt + 0.3% citric acid + 200 ppm sodium benzoate  3. 8% Salt + 0.3% citric acid + 300ppm sodium benzoate  4. 12 % Salt + 0.3%citric acid + 400 ppm sodium benzoate | 10 |
| Value addition | Low price of carrot in peak season | Value addition of carrot through different techniques of pickle making (BAU, Ranchi) | 1. Farmers’ practice (no preservation)  2. Carrot (1 Kg) + Salt (8%) + Vinegar (15%) + mustard oil (10%) + spices (150 g)  3. Carrot (1 Kg) + Salt (10%) + lemon juice (100 ml) + mustard oil (20%) + spices (150 g) | 10 |
| Entrepreneurial development of farmers/youths | Low retention of propagation techniques of major fruit plants | Assessment of impact of training programmes for adaption of technologies (BCKV, Kalyani, WB) | 1. Farmers’ practice: (theoretical lecture) 2. Lecture + Interactive demonstration 3. Lecture + visual chart and photographs | 10 |
| Integrated nutrient management | Poor nutrient status of compost | Assessment of improved backyard composting methods (BAU, Ranchi) | 1. FP: Dumping of cow dung and household/field wastes in heaps (size unspecified) 2. FP: Dumping of cow dung and household/field wastes in pits (size unspecified) 3. Dumping of cow dung and household/field wastes mixing with DAP @ 500g m2 after filling every feet of pit 2 m x 1m x 1m size 4. Dumping of cow dung and household/field wastes mixing with DAP @ 500g m2after filling every feet + PSB, Azatobacter and Trichoderma @ one packet each per pit of 2 m x 1m x 1m size | 10 |

1. **Soil and water testing**

|  |  |
| --- | --- |
|  | **No. of samples to be analyzed** |
| Soil | 2000 |

1. **Planning of KVK farm:**

**Kharif :**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Crop** | **Variety** | **Area (ha)** |
|  | Pigeon Pea | NDA – 1 / 2 | 0.4 |
|  | Paddy | Sahabhagi | 2.0 |
|  | Paddy | MTU- 7029 | 0.4 |
|  | Paddy | Naveen | 0.4 |
|  | Paddy | Shatabdi | 1.6 |
|  | Vegetable (Brinjal, tomato, lady’s finger, ridge gourd, etc.) | Pant Rituraj, Swarna Pratibha, Pant T-3, Swarn Sampada, Arka Anamika, Parvani Karanti, Pusa Nasdar, | 0.4 |
|  | Multilayer vegetable cropping system (Elephant foot yam + cucurbits) | Gajendra (EFY), cucurbits | 0.4 |

**Rabi :**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Crop** | **Variety** | **Area (ha)** |
|  | Mustard | Pusa Mahak | 2.5 |
|  | Wheat | WR - 544 | 1.0 |
|  | Crop cafeteria | Lentil, gram, wheat, potato, mustard, pea etc. | 0.28 |
|  | Potato | Kufri Pukhraj / Kufri Chandramukhi | 0.4 |
|  | Vegetable (bean, cabbage, Tomato, brinjal, cauliflower etc.) | Swarna Utkrist, Disha / Hare Krishna, Pant T-3, Pant Rituraj, Sweta etc. | 0.4 |
|  | Oat | Kent | 0.2 |
|  | Vegetable seedling | Tomato, Brinjal, cauliflower, chillies, cabbage, onion etc. | 150000 No. |

**Zaid:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Crop** | **Variety** | **Area (ha)** |
|  | Vegetables (Bottle gourd, bitter gourd, cucumber, cow pea etc.) | Mahima, US 6214, Kareena, Pusa Chikni, CHCP 44, | 0.4 |
|  | Moong | Pusa vishal, Narendra Moong-1, Pant moong-2 | 2.0 |

**(Ravi Shanker)**

**Programme Coordinator**

**GVT-KVK, Godda**