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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 EC3. 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 benzoate3. 8% Salt + 0.3% citric acid + 300ppm sodium benzoate4. 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**