**ANNUAL ACTION PLAN**

KRISHI VIGYAN KENDRA, SARAIYA (MUZAFFARPUR)

**Action Plan April 2018- March 2019**

**A details target of mandatory activities during 2018-2019**

1. **Training**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Discipline** | **P/F** | **R/Y** | **E/F** | **Total** |
| **No** | **Beneficiaries** | **No** | **Beneficiaries** | **No** | **Beneficiaries** | **No** | **Beneficiaries** |
| **Plant protection** | 18 | 390 | 4 | 70 | 4 | 80 | 24 | **490** |
| **Soil Science** | 14 | 350 | 4 | 105 | 4 | 90 | 22 | **515** |
| **Horticulture** | 12 | 286 | 6 | 141 | 4 | 80 | 22 | **478** |
| **Home Science** | 12 | 300 | 9 | 210 | 8 | 220 | 29 | **680** |
| **Total** | **56** | **1346** | **23** | **526** | **20** | **470** | **97** | **2163** |

1. **OFT/FLD/Soil testing/Seed production**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Discipline** | **OFT** | **FLD** | **Extension activities** | **Seed production/planting material** | **Soil testing** |
| **No** | **No. of Beneficiaries** | **No** | **No. of Farmers** | **No** | **No. of Farmers** | **Area in ha/No** | **Seed in q/No** | **No** | **No. of Farmers** |
| **Plant protection** | 2 | **28** | 3 | **85** | **863** | **2205** | **14.4** | **286** |  |  |
| **Soil Science** | 2 | **10** | 2 | **100** | **668** | **2217** |  |  | **500** | **500** |
| **Horticulture** | 2 | **20** | 3 | **40** | **662** | **1967** | **6 (planting/seedlings material)** | **100000** |  |  |
| **Home Science** | 2 | **13** | 3 | **50** | **311** | **1617** |  |  |  |  |
| **Total** | **8** | **71** | **11** | **275** | **2504** | **8006** |  |  | **500** | **500** |

1. **CFLD/CSISA Project**

|  |  |  |
| --- | --- | --- |
| **Discipline** | **CSISA(OFT)** | **CFLD** |
| **Kharif (Paddy)** | **Rabi(wheat** |  |
| **No** | **No. of Farmers** | **No** | **No. of Farmers** | **No** | **No. of Farmers** |
| **Plant protection** | **12** | **120** | **10** | **100** |  |  |
| **Soil Science** |  |  |  |  | **4** | **200** |
| **Total**  | **12** | **120** | **10** | **100** | **4** | **200** |

1. **Training**
2. **Farmers and Farm women**
3. **Soil Science**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic Area** | **Title** | **Venue** | **Duration** | **No. of courses** | **SC** | **ST** | **Others** | **Total** |
| **M** | **F** | **M** | **F** | **M** | **F** | **T** |
| 1 | 2 |  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| **April to June** |
| Soil testing | Soil Sampling method and fertilizer recommendation for farmers doubling income | Off | 1 | 1 | 3 | 2 | 0 | 15 | 05 | 18 | 7 | 25 |
| INM | Green mannuring through *Sesbania rostrata* & *Vigna rediata* | Off | 1 | 1 | 5 | 0 | 0 | 20 | 03 | 25 | 03 | 28 |
| Vermi-composting | Vermi-compost production for organic farming | On/Off | 1 | 1 | 5 | 0 | 0 | 20 | 03 | 25 | 03 | 28 |
| **July to Sep** |
| INM | Importance of vermi-compost & bio-fertilizer in Kharif crops | Off | 1 | 1 | 5 | 0 | 0 | 20 | 03 | 25 | 03 | 28 |
| INM  | Brown mannuring through *Sesbania rostrata* in rice  | Off | 1 | 1 | 5 | 0 | 0 | 20 | 01 | 25 | 01 | 26 |
| Vermin-composting | Vermicompost production and its uses | Off | 1 | 1 | 5 | 0 | 0 | 20 | 01 | 25 | 01 | 26 |
| Organic farming | Use of different organic manure in cereal and vegetable crops | Off | 1 | 1 | 5 | 0 | 0 | 20 | 02 | 25 | 02 | 27 |
| **Oct to Dec** |
| Production and use of organic inputs | Vermicompost production and its uses | On | 1 | 1 | 5 | 0 | 0 | 20 | 02 | 25 | 02 | 27 |
| Soil testing | Soil testing methods and fertilizer recommendation | Off | 1 | 1 | 5 | 0 | 0 | 20 | 02 | 25 | 02 | 27 |
| Micronutrient deficiency in crops | Diagnosis of micronutrient deficiency and its reclamation | Off | 1 | 1 | 5 | 0 | 0 | 20 | 01 | 25 | 01 | 26 |
| Soil and water conservation | Moisture conservation through different practices of mulching in crop | Off | 1 | 1 | 5 | 0 | 0 | 20 | 02 | 25 | 02 | 27 |
| **Jan to March** |
| Resource conservation technology | Cultivation of wheat through zero tillage and fertilizer management | Off | 1 | 1 | 5 | 0 | 0 | 20 | 0 | 25 | 0 | 25 |
| INM | INM in green gram through *Rhizobium* culture and PSB | Off | 1 | 1 | 5 | 0 | 0 | 20 | 0 | 25 | 0 | 25 |
| Soil fertility management | Soil fertility management through vermicompost  | Off | 1 | 1 | 5 | 0 | 0 | 20 | 0 | 25 | 0 | 25 |
| **Total** |  | 14 | 14 | 68 | 2 | 0 | 275 | 25 | 343 | 27 | 370 |

1. **Plant protection**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic Area** | **Title** | **Venue** | **Duration** | **No. of courses** | **SC** | **ST** | **Others** | **Total** |
| **M** | **F** | **M** | **F** | **M** | **F** | **T** |
| 1 | 2 |  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| **April to June** |  |
| Mushroom Cultivation | Milky mushroom cultivation. | On | 3 | 1 | 03 | 0 | 0 | 17 | 02 | 20 | 02 | 22 |
| IPM | IPM in Summer vegetable. | On | 3 | 1 | 02 | 0 | 0 | 18 | 02 | 20 | 02 | 22 |
| Bio control of pest and disease | Bio control of pest and disease in litchi crop | Off | 1 | 1 | 02 | 0 | 0 | 18 | 02 | 20 | 02 | 22 |
| IPM | IPM in Cow pea | Off | 1 | 1 | 03 | 0 | 0 | 17 | 02 | 20 | 02 | 22 |
| IDM | Seed and seedling treatment in paddy | Off | 1 | 1 | 02 | 0 | 0 | 18 | 02 | 20 | 02 | 22 |
| **July to Sept** |  |
| IDM  | Important seed and soil borne disease of Paddy and its management  | On | 3 | 1 | 02 | 0 | 0 | 20 | 03 | 22 | 03 | 25 |
| IPM | IPM in Paddy crop | Off | 1 | 1 | 02 | 0 | 0 | 20 | 03 | 22 | 03 | 25 |
| IPM  | IPM in Maize crop | Off | 1 | 1 | 02 | 0 | 0 | 18 | 02 | 20 | 02 | 22 |
| IPM | IPM in Paddy crop | Off | 1 | 1 | 02 | 0 | 0 | 18 | 02 | 20 | 02 | 22 |
| **Oct to Dec** |  |
| IDM | Important disease of Pulse and Oilseed and their management | On | 3 | 1 | 02 | 0 | 0 | 18 | 02 | 20 | 02 | 20 |
| IDM | Important disease of potato and tomato and their management | On | 3 | 1 | 02 | 0 | 0 | 18 | 02 | 20 | 02 | 22 |
| IPM | IPM in oilseed and pulses | Off | 1 | 1 | 02 | 0 | 0 | 18 | 02 | 20 | 02 | 22 |
| IDM | IDM in cabbage and cauliflower | Off | 1 | 1 | 02 | 0 | 0 | 18 | 0 | 20 | 0 | 20 |
| IPM | IPM in potato and tomato | Off | 1 | 1 | 02 | 0 | 0 | 18 | 0 | 20 | 0 | 20 |
| **Jan to March** |  |
| IPM | IPM in Mango and litchi | On | 03 | 1 | 02 | 0 | 0 | 18 | 0 | 20 | 0 | 20 |
| IDM | IDM in Mango and litchi | Off | 1 | 1 | 02 | 0 | 0 | 18 | 0 | 20 | 0 | 20 |
| IPM | IPM in Green gram | Off | 1 | 1 | 02 | 0 | 0 | 18 | 0 | 20 | 0 | 20 |
| IPM | IPM in summer vegetable | Off | 1 | 1 | 02 | 0 | 0 | 18 | 0 | 20 | 0 | 20 |
| **Total** | 30 | 18 | 38 | 0 | 0 | 326 | 26 | 364 | 26 | 390 |

1. **Home science**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic Area** | **Title** | **Venue** | **Duration** | **No. of courses** | **SC** | **ST** | **Others** | **Total** |
| **M** | **F** | **M** | **F** | **M** | **F** | **T** |
| 1 | 2 |  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| **April to June** |  |
| Minimization of nutrient loss in processing | Introducing water soluble nutrients and ways to minimizing it losses | On | 1 | 1 | 0 | 5 | 0 | 5 | 15 | 5 | 20 | 25 |
| Designing and development for high nutrient efficiency diet | Developing Iron rich diet by using dried green leafy vegetable | On | 1 | 1 | 0 | 4 | 0 | 2 | 14 | 2 | 18 | 20 |
| Designing and development for high nutrient efficiency diet | Developing Vitamin “A” rich diet for preschool children by using Vit.”A” rich food | Off | 1 | 1 | 0 | 5 | 0 | 0 | 20 | 0 | 25 | 25 |
| **July to Sep** |  |
| Designing and development of low cost diet. | Cheap and locally available nutrient rich source of food | On | 1 | 1 | 0 | 5 | 0 | 5 | 15 | 5 | 20 | 25 |
| Women and child care | Importance of Weaning and supplementary foods and methods of preparing them | Off | 01 | 1 | 0 | 5 | 0 | 0 | 20 | 0 | 25 | 25 |
| Designing and development for high nutrient efficiency diet | Fiber rich and low energy diet for obese and diabetic people | Off | 1 | 1 | 0 | 5 | 0 | 10 | 10 | 10 | 15 | 25 |
| **Oct to Dec** |  |
| Value addition | Scientific method of drying vegetables | Off | 2 | 1 | 0 | 10 | 0 | 0 | 20 | 0 | 30 | 30 |
| Drudgery reduction | Farm mechanization | Off | 1 | 1 | 0 | 5 | 0 | 0 | 20 | 0 | 25 | 25 |
| Value addition | Importance of Aonla and method of preparing preserved items from it. | On | 2 | 1 | 0 | 5 | 0 | 0 | 20 | 0 | 25 | 25 |
| **Jan to March** |  |
| Mushroom production | Mushroom cultivation | On | 1 | 1 | 0 | 10 | 0 | 0 | 20 | 0 | 30 | 30 |
| Value addition | Importance of Aonla and method of preparing preserved items from it. | Off | 2 | 1 | 0 | 5 | 0 | 0 | 15 | 0 | 20 | 20 |
| Designing and development for high nutrient efficiency diet | Green leafy vegetables as a source of iron and method of its use | Off | 1 | 1 | 0 | 5 | 0 | 0 | 20 | 0 | 25 | 25 |
|  **Total** | 15 | 12 | 0 | 69 | 0 | 22 | 209 | 22 | 278 | 300 |

1. **Horticulture**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Thematic Area | Title | Venue | Duration | No. of courses | SC | ST | Others | Total |
| M | F | M | F | M | F | T |
| 1 | 2 |  | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| **April to June** |  |
| Protective cultivation  | Protective cultivation of tomato and cucumber | On | 3 | 1 | 5 | 0 | 0 | 25 | 3 | 30 | 3 | 30 |
| ICM | Scientific cultivation of ginger  | Off | 1 | 1 | 5 | 2 | 0 | 15 | 3 | 20 | 5 | 25 |
| INM | Care and management of litchi orchard | Off/On | 1 | 1 | 5 | 2 | 0 | 10 | 3 | 15 | 5 | 20 |
| **July to Sept** |  |
| Nursery raising  | Nursery raising of fruit crops. like Mango Guava and Litchi | On | 3 | 1 | 3 | 2 | 0 | 12 | 3 | 15 | 5 | 20 |
| Orchard management | Care and management of mango orchard. | Off | 1 | 1 | 5 | 0 | 0 | 20 | 3 | 25 | 3 | 25 |
| ICM | Package and practices of guava production | Off/On | 1 | 1 | 3 | 2 | 0 | 15 | 3 | 18 | 5 | 23 |
| **Oct. to Dec.** |  |
| Nursery raising  | Nursery raising of different seasonal veg. | On | 3 | 1 | 5 | 2 | 0 | 20 | 3 | 25 | 5 | 30 |
| ICM | Cultivation of early cauliflower | Off | 1 | 1 | 3 | 2 | 0 | 12 | 3 | 15 | 5 | 20 |
| ICM | Scientific cultivation of marigold | Off/On | 1 | 1 | 3 | 2 | 0 | 15 | 3 | 18 | 5 | 20 |
| **Jan to March** |  |
| Nursery raising | Technique of nursery raising for summer vegetables | Off | 2 | 1 | 2 | 1 | 0 | 13 | 4 | 15 | 5 | 20 |
| Yield increment | Scientific cultivation of Okra | On | 1 | 1 | 5 | 2 | 0 | 12 | 3 | 17 | 5 | 22 |
| ICM | Scientific cultivation of Summer vegetable | On/Off | 1 | 1 | 5 | 2 | 0 | 12 | 3 | 17 | 5 | 22 |
| **Total** | 19 | 12 | 49 | 19 | 0 | 181 | 37 | 230 | 56 | 286 |

1. **Rural Youth**
2. **Soil Science**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic Area** | **Title** | **Venue** | **Duration** | **No. of courses** | **SC** | **ST** | **Others** | **Total** |
| **M** | **F** | **M** | **F** | **M** | **F** | **T** |
| **April to June** |  |
| Soil testing | Method of sampling, Soil analysis and its recommendation for soil health | On | 05 | 01 | 5 | 0 | 0 | 15 | 05 | 20 | 5 | 25 |
| **July to Sept** |
| Vermi compost | Vermi-compost and vermiwash production technique | On | 03 | 1 | 5 | 0 | 0 | 20 | 05 | 25 | 5 | 30 |
| **Oct. to Dec** |
| Soil testing |  Soil sampling technique and analysis | On | 05 | 1 | 5 | 0 | 0 | 15 | 03 | 20 | 03 | 30 |
| **Dec. to March** |  |
| Production of organic input | Vermicompost production and its utility | On | 03 | 1 | 5 | 0 | 0 | 20 | 02 | 25 | 02 | 30 |
| **Total** | **16** | **4** | **20** | **5** | **0** | **70** | **15** | **90** | **15** | **105** |

1. **Plant Protection**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic Area** | **Title** | **Venue** | **Duration** | **No. of courses** | **SC** | **ST** | **Others** | **Total** |
| **M** | **F** | **M** | **F** | **M** | **F** | **T** |
| **Apr. to June** |
| Production of organic input  | Production technique of *Trichoderma viride* | On | 5 | 1 | 5 | 0 | 0 | 10 | 05 | 15 | 05 | 20 |
| **July to Sep** |
| Seed production | Mushroom spawn production | On | 5 | 1 | 2 | 1 | 0 | 10 | 2 | 12 | 03 | 15 |
| **Oct to Dec** |
| Seed production | Mushroom cultivation | On | 5 | 1 | 02 | 0 | 0 | 13 | 05 | 15 | 05 | 20 |
| **Jan-March** |
| Seed production | Mushroom spawn production | On | 5 | 1 | 2 | 1 | 0 | 10 | 2 | 12 | 3 | 15 |
| **Total** | **20** | **4** | **11** | **02** | **0** | **43** | **14** | **54** | **16** | **70** |

1. **Home Science**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic Area** | **Title** | **Venue** | **Duration** | **No. of courses** | **SC** | **ST** | **Others** | **Total** |
| **M** | **F** |  | **M** | **F** | **M** | **F** | **T** |
| **April to June** |
| Value addition | Method of preparing squash, jelly, sauce, toffee from locally available fruits and vegetables | On | 05 | 01 | 0 | 05 | 0 | 5 | 20 | 5 | 25 | 30 |
| Value addition | Method of preparing preserved item from mango and other fruits  | On | 05 | 01 | 0 | 05 | 0 | 5 | 20 | 5 | 25 | 30 |
| **July to Sept** |
| Value addition | Method of preparing poshak bari by adding green leafy vegetables | On | 04 | 01 | 0 | 03 | 0 | 5 | 12 | 5 | 15 | 20 |
| Tailoring and stitching | Stitching of soft toys | On | 03 | 01 | 0 | 05 | 0 | 5 | 15 | 5 | 20 | 25 |
| **Oct. to Dec** |
| Enterprise development | Method of making lac bangle | On | 06 | 01 | 0 | 05 | 0 | 5 | 10 | 5 | 15 | 20 |
| Mushroom production | Oyster mushroom cultivation | On | 03 | 01 | 0 | 5 | 0 | 5 | 15 | 5 | 20 | 25 |
| Mushroom production | Button mushroom cultivation | On | 03 | 01 | 0 | 5 | 0 | 0 | 15 | 0 | 20 | 20 |
| **Jan. to March** |
| Tailoring and stitching | Stitching of soft toys | On | 03 | 01 | 0 | 5 | 0 | 0 | 15 | 0 | 20 | 20 |
| Tailoring and stitching | Stitching of ladies purse | On | 05 | 01 | 0 | 05 | 0 | 0 | 15 | 0 | 20 | 20 |
| **Total** |  | **37** | **9** | **0** | **43** | **0** | **0** | **137** | **30** | **180** | **210** |

1. **Horticulture**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic Area** | **Title** | **Venue** | **Duration** | **No. of courses** | **SC** | **ST** | **Others** | **Total** |
| **M** | **F** |  | **M** | **F** | **M** | **F** | **T** |
| **April to June** |  |
| Protected cultivation  | Use and importance of Poly house, Greenhouse, Glass house etc. for vegetable cultivation | On | 4 | 1 | 5 | 0 | 0 | 12 | 3 | 20 | 3 | 23 |
| Seed production  | Seed production technique of lobia | On | 4 | 1 | 5 | 0 | 0 | 13 | 2 | 20 | 2 | 22 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **July to Sep** |
| Seed production | Seed production of early cauliflower  | On | 3 | 1 | 5 | 0 | 0 | 13 | 2 | 20 | 2 | 22 |
| Commercial fruit production | Scientific cultivation of Banana and Guava | On | 4 | 1 | 4 | 0 | 0 | 18 | 2 | 24 | 2 | 26 |
| **Oct. to Dec** |
| Integrated farming | Integrated farming system through developing Agri-Horti- Fishery system  | On | 4 | 1 | 6 |  | 0 | 17 | 2 | 25 | 2 | 27 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Jan to March** |
| Low volume high value crop | Protective cultivation of vegetable like Cucumber and Capsicum  | On | 3 | 1 | 5 |  | 0 | 14 | 1 | 20 | 1 | 21 |
| **Total** | 22 | 6 | 30 | 0 | 0 | 87 | 12 | 129 | 12 | 141 |

1. **Extension functionaries training**
2. **Soil Science**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic Area** | **Title** | **Venue** | **Duration** | **No. of courses** | **SC** | **ST** | **Others** | **Total** |
| **M** | **F** | **M** | **F** | **M** | **F** | **T** |
| **April to June** |
| INM | Scope and importance of Green and brown Mannuring | On | 02 | 01 | 05 | 0 | 0 | 15 | 05 | 20 | 05 | 25 |
| **July to Sep** |
| Vermi-composting | Process of vermi-composting technique and its uses. | On | 02 | 01 | 05 | 0 | 0 | 10 | 05 | 15 | 05 | 20 |
| **Oct to Dec** |  |  |  |  |  |  |  |  |  |  |  |  |
| INM | Importance of Macro and micro nutrients in crop production. | On | 02 | 01 | 05 | 0 | 0 | 15 | 05 | 20 | 05 | 25 |
| **Jan. to Mar** |
| Soil testing | Soil testing: A tools for farmers doubling income | On | 02 | 01 | 05 | 0 | 0 | 10 | 05 | 15 | 05 | 20 |
| **Total** | **08** | **04** | **20** | **0** | **0** | **50** | **20** | **70** | **20** | **90** |

1. **Plant protection**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic Area** | **Title** | **Venue** | **Duration** | **No. of courses** | **SC** | **ST** | **Others** | **Total** |
| **M** | **F** |  | **M** | **F** | **M** | **F** | **T** |
| **April to June** |  |
| IPM | IPM in Green gram | On | 02 | 1 | 5 | 0 | 0 | 10 | 05 | 15 | 05 | 20 |
| **July to Sept** |  |
| IPM | IPM in pigeon pea | On | 02 | 1 | 5 | 0 | 0 | 10 | 05 | 15 | 05 | 20 |
| **Oct. to Dec** |  |
| IPM | IPM in wheat crop | On | 02 | 1 | 5 | 0 | 0 | 10 | 05 | 15 | 05 | 20 |
| **Jan. to March** |  |
| **IPM** | IPM in Mango and Litchi | On | 02 | 1 | 5 | 0 | 0 | 10 | 05 | 15 | 05 | 20 |
| **Total** | **8** | **4** | **20** | **0** | **0** | **40** | **20** | **60** | **20** | **80** |

1. **Home Science**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic Area** | **Title** | **Venue** | **Duration** | **No. of courses** | **SC** | **ST** | **Others** | **Total** |
| **M** | **F** |  | **M** | **F** | **M** | **F** | **T** |
| **April to June** |
| Household food security | Balance diet for different age group | Off | 01 | 01 | 0 | 05 | 0 | 2 | 20 | 2 | 25 | 27 |
| Low cost and nutrient efficient diet designing | Cheap and locally available nutrient rich food | On/Off | 01 | 01 | 0 | 05 | 0 | 2 | 20 | 2 | 25 | 27 |
| **July to Sep** |
| Women and child care | Preparation of low cost weaning food for baby | On/Off | 01 | 01 | 0 | 05 | 0 | 2 | 20 | 2 | 25 | 27 |
| Women and child care | Importance of diet during pregnancy | On | 01 | 01 | 0 | 05 | 0 | 2 | 20 | 2 | 25 | 27 |
| **Oct to Dec.** |
| Women and child care | Importance of diet during lactation | Off | 01 | 01 | 0 | 05 | 0 | 2 | 20 | 2 | 25 | 27 |
| Women and child care | Importance of supplementary and weaning food and method of its preparation | Off | 01 | 01 | 0 | 05 | 0 | 2 | 20 | 2 | 25 | 27 |
| **Jan. to Mar** |
| Women and child care | Method of preparing high protein and caloric rich dishes for preschool children | On | 01 | 01 | 0 | 05 | 0 | 03 | 20 | 03 | 25 | 28 |
| Low cost and nutrient efficient diet designing | Use of dried green leafy vegetable in diet | On | 01 | 01 | 0 | 05 | 0 | 05 | 20 | 05 | 25 | 30 |
| **Total** | **08** | **08** | **0** | **40** | **0** | **20** | **160** | **20** | **200** | **220** |

1. **Horticulture**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic Area** | **Title** | **Venue** | **Duration** | **No. of courses** | **SC** | **ST** | **Others** | **Total** |
| **M** | **F** |  | **M** | **F** | **M** | **F** | **T** |
| **Apr. to June** |
| Protective cultivation | Protective cultivation of commercial flower like tuberose and rose for income generation. | On/Off | 2 | 1 | 5 | 0 | 0 | 10 | 5 | 15 | 5 | 20 |
| **July to Sept** |
| Entrepreneurship development | Graft and air layering preparation of Mango and litchi with the help of SHGs group. | Off/On | 2 | 1 | 5 | 0 | 0 | 10 | 5 | 15 | 5 | 20 |
| **Oct. to Dec.** |
| Production and use of organic input | Scope and importance of organic farming of vegetable crop production.  | Off | 2 | 1 | 5 | 0 | 0 | 10 | 5 | 15 | 5 | 20 |
| **Jan. to March** |
| **Rejuvenation of old orchard** | Scope and importance of rejuvenation in litchi and mango | On | 2 | 1 | 5 | 0 | 0 | 10 | 5 | 15 | 5 | 20 |
| **Total** |  | **8** | **4** | **20** | **0** | **0** | **40** | **20** | **60** | **20** | **80** |

1. **Front Line Demonstration :**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Crop** | **Variety** | **Season** | **Area (ha)/No** | **Quantity** | **No. of demonstration** |
| **Crop production/ Soil Science** |
| 1. | Rice | Nilam | Kharif 2018 | 20.0 | 8.0 q | 50 |
| 2. | Wheat | HD 2967/K307 | Rabi 2018 | 20.0 | 20.0q | 50 |
| **Plant protection** |
| 1 | Cabbage and cauliflower | *Trichoderma viride* | Rabi | 10.0 | 50kg | 50 |
| 2 | *Mushroom* | Oyster/Milkey | Rabi | 10 unit | 100kg | 10 |
| 3 | Litchi | *Neem oil 300 ppm* | Kharif | 10.0 | 25 Lt | 50 |
| **Horticulture**  |
| 1. | *Potato* | K. Pokhraj /K.Sindoori | Rabi 2018 | 1.0 | 20q | 10 |
| 2. | *Marigold seed ling* | African marigold | Rabi 2018 | 2.0 | 500g | 10 |
| 3. | *Cow pea* | Kashi Kanchan | Summer2019 | 5.0 | 50kg | 20 |
| **Home Science** |
| **1.** | Mushroom | Oyster  | Rabi | - | 20kg | 20 |
| **2.** | Mushroom | Milky | Kharif | - | 20kg | 20 |
| **3.** | Green gram | Advance Storage bag  | Rabi/Kharif | - | 50 | 10 |

1. **Cluster Front Line Demonstration**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Crop** | **Variety** | **Season** | **Area (ha)** | **Quantity (q)** | **No. of demonstration** |
| 1 | Red gram | Below 10 year as per availability | Kharif | 20 | 4.00 | 50 |
| 2 | Soybean | Below 10 year as per availability | Kharif | 10 | 6.00 | 25 |
| 3 | Sesamum | Below 10 year as per availability | Kharif | 20 | 1.00 | 50 |
| 4 | Rapeseed & mustard | Below 10 year as per availability | Rabi | 40 | 2.00 | 100 |
| 5 | Lentil | as per availability | Rabi | 20 | 8.00 | 50 |
| 6 | Green gram | Below 10year as per availability | Summer | 30 | 12.00 | 75 |

1. **On Farm Trial (OFT)**
2. **Soil Science**

**OFT-1**

|  |  |  |
| --- | --- | --- |
| **Title** | **:** | **Effect of Fe on different stages of paddy under aerobic condition** |
| **Problem identified** | **:** | Low yield due iron deficiency in aerobic condition  |
| **Source of technology** | **:** |  Dr.R.P.C.A.U, Pusa,Samastipur. |
| **Performance Indicator** | **:** | Soil test, Yield, yield attributes and economics. |
| **Thematic area** | **:** |  INM |
| **Design** | **:** | RBD |
| **Area** | **: 1.0 ha** |  |  |
| **Technology option** | **Treatments** | **No. of farmers** |
| **Farmer’s practice**  | RDF | **5** |
| **T.O: 1** | Fe SO4 @1 % at 15 DAS |
| **T.O: 2** | Fe SO4 @1 % at 15 DAS and 35 DAS |
| **T.O: 3** | Fe SO4 @1 % at 15 DAS, 35 DAS and 55 DAS |

**OFT-2**

|  |  |  |
| --- | --- | --- |
| **Title** | : | **Effect of plant density for production of *Rabi* maize.**  |
| **Problem** | : | Low yield due to improper fertilizer management and spacing  |
| **Source** | : | Dr.R.P.C.A.U, Pusa, Samastipur. |
| **Indicator** | : | Soil test ,Yield, yield attributes and economics |
| **Thematic area** | ; | INM |
| **Design** | : | RBD |
| **Area** | : | 1.0ha |
| **Technology option** | **Treatments** | **No. of farmers** |
| **Farmer’s Practice :** | Improper fertilizer management and spacing(Spacing for sowing 60 X 20 cm and 120: 60: 50 Kg/ ha NPK) | **5** |
| **T.O-1**  | Spacing for sowing 40X 20 cm and 150: 75: 50 Kg/ ha NPK |
| **T.O 2** | Spacing for sowing 40X 20 cm and 125: 75: 50 Kg/ ha NPK |
| **T.O 3**  | Spacing for sowing 40X 20 cm and 100: 75: 50 Kg/ ha NPK |

1. **Plant protection**

**OFT – 1**

|  |  |  |
| --- | --- | --- |
| **Title** | **:** | **Effect of chemicals for control of Mungbean yellow mosaic virus (MYMV) in Mungbean (*Vigna radiata* L.).** |
| **Problem identified** | **:** |  Infestation caused by whitefly. |
| **Source of technology** | **:** | **GKVK Bengluru,Karnataka,India** |
|  **Performance Indicator** | **:** | Yield, % damage,yield attributes & economics. |
| **Thematic area** | **:** | IPM |
| **Design** | **:** | RBD |
| **Area** | **:** | 2 ha. |
| **Technology option** | **Treatments** | **No. of farmers** |
| **T 1** | One spray of imidachlorprid 17.8%SL @ 0.5 ml/lt. of water. | **6** |
| **T2** | Seed treatment with imidachlorprid 17.8%SL @ 0.5 ml/lt. of water. |
| **T3** | T1 + 2 spray of imidachlorprid 17.8%SL @ 0.5 ml/lt. of water. |
| **T4** | T1 + 2 spray of Triazophos 40% EC @1.5 ml/lt.of water. |
| **T5** | T1 + 2 spray of neem oil 300PPM @ 3 ml/Lt |

**OFT: 2**

|  |  |  |
| --- | --- | --- |
| **Title** | **:** | **Management of Panama wilt in Muzaffarpur district.**  |
| **Problem identified** | **:** | Crop loss due to wilt disease. |
| **Source of technology** | **:** | Department of plant pathology, Dr. R. P. C. A. U, Pusa, Samastipur. |
|  **Performance indicator** | **:** | Pathogen identification, Disease incidence (%), No. of plant affected, Yield and yield attributes. |
| **Thematic area** | **:** | **IDM** |
| **Design** | **:** | RBD |
| Area | **:** | 0.2 ha X 30 |
| **Technology option** | **Treatments** | **No. of farmers** |
| **Farmer’s Practice**  | Used Phorate and Chloriopyriphos. | 05 |
| **T.O-1**  | **Through integrated approach** (dipping the disease free paired sucker in Carbendazim solution (0.2%) for 30 minutes+ 250 g organic manure/ neem cake at the time of planting + drenching with 0.2 % Carbendazim @ 2 to 3 Lt/Plant at 2nd, 4th and 6th month after planting + stem injection with Carbendazim @ 3 ml of 2% solution at 3rd, 5th and 7th month after planting.) |
| **T.O- 2** | **Management through non-chemical** ( disease free sucker+ vermicompost @ 250 g/pit + soil application of *Trichoderma viride* (107) @ 10 g + *Psedumonas fluoroscens* @ 50g /sucker at 0,2nd and 4th month after planting found highly effective with more than 55 % wilt reduction. |

1. **Horticulture**

 **OFT: 1**

|  |  |  |
| --- | --- | --- |
| **Title** | **:** | **Integrated Nutrient Management in Potato** |
| **Problem diagnosed** | **:** | Low yield of potato due to indiscriminate use of chemical fertilizer  |
| **Source of technology** | **:** | Dr.R.P.C.A.U, Pusa, Samastipur |
| **Production system and thematic area** | **:** | INM |
| **Design** | **:** | RBD |
| **Performance indicator** | **:** | Yield, Net return and B:C ratio |

**Details of technology**

|  |  |  |
| --- | --- | --- |
| **Technology option** | **Treatments** | **No. of farmers** |
| **Farmer’s practice**  | N:P:K(125:75: 75) | **10** |
| **T.O 1-**  | **90 %** recommended dose of chemical fertilizer + 10 % vermicompost. |
| **T.O 2-**  | **80%** recommended dose of chemical fertilizer + 20 % vermicompost. |

* Recommended dose:N:P:K (150:90:100)

**OFT-2**

|  |  |  |
| --- | --- | --- |
| **Title** | **:** | **Effect of sulphur for improving bulb yield and its storage durability of onion.** |
| **Problem diagnoses** | **:** | Inferior bulb yield and low storage life.  |
| **Source of technology** | **:** | Dr.R.P.C.A.U, Pusa, Samastipur |
| **Production system and thematic area** | **:** | Bulb quality management and INM |
| **Design** | **:** | RBD |
| **Indicator** | **:** | Yield, Net return, storability and ,B:C ratio |

**Details of technology**

|  |  |  |
| --- | --- | --- |
| **Technology option** | **Treatments** | **No. of farmers** |
| **Farmer’s practice**  | No use of sulphur | **10** |
| **T.O 1** | Soil application of 20 kg /ha sulphur |
| **T.O 2** | Soil application of 30 kg /ha sulphur |
| **T.O 3** | Soil application of 40 kg /ha sulphur |

1. **Home science**

**OFT-1**

|  |  |  |
| --- | --- | --- |
| **Title** | **:** | **Assessment of weight and spoilage loss of onion by using different methods of storage.** |
| **Problem diagnosed** | **:** | Onion is a cash crop but due to improper storage facility it begin to deteriorate after harvest and farmers get poor price of their product |
| **Source of technology** | **:** | KVK, Hooghly and NHRDF |
| **Production system and thematic area** | **:** | Post harvest technology |
| **Design** | **:** | RBD |
| **Indicator** | **:** | Physiological wt. loss, percentage spoilage loss, total loss percent and B:C ratio |

|  |  |  |
| --- | --- | --- |
| **Technology option** | **Treatments** | **No. of farmers** |
| Farmer’s practice  | Storage in room on uncemented floor | 5 |
| **T.O 1-** | Storage on gunny mat kept at uncemented floor |
| **T.O 2**.- | Storage at bamboo rack (Chali) |
| **T.O.3-** | Storage in improved low cost onion storage structure developed by NHRDF |

**Note; The** Improved low cost onion storage structure developed by NHRDF cost nearly 7000 having capacity to store 1300 kg onion (size 5’\*4’\*5’). In one cubic feet structure 20 kg onion can be stored**.**

**OFT-2**

|  |  |  |
| --- | --- | --- |
| **Title** | **:** | **Storage of leafy vegetables and other green vegetables in zero energy cool chamber to retain the freshness of vegetables to get maximum return.** |
| **Problem diagnosed** | **:** | Green leafy vegetables deteriorate rapidly after harvesting and farmers get poor price of their products. The physiological weight loss of even more than 5% of most of the vegetable are not fit for consumption  |
| **Source of technology** | **:** | College of engineering, DrRPCAU, pusa, samastipur. |
| **Production system and thematic area** | **:** | Post harvest technology |
| **Design** | **:** | RBD |
| **Indicator** | **:** | Percentage physiological wt. loss , percentage spoilage loss, BC ratio. |

|  |  |  |
| --- | --- | --- |
| **Technology option** | **Treatments** | **No. of farmers** |
| **Farmer’s practice**  | Storage at floor. | 3 |
| **T.O 1** | Storage in bamboo basket  |
| **T.O 2** | Storage at aerated gunny bag |
| **T.O 3** | Storage in zero energy cool chamber. |

1. **Extension activity**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Nature of Extension Activity** | **Horticulture** | **Soil science** | **Plant protection** | **Home science** | **Total**  |
| **No**  | **participants** |
| Field Day | 3 | 7 | 4 | 3 | 16 | 600 |
| Scientific visit to farmers field | 100 | 100 | 100 | 50 | 350 | 350 |
| Farmers visit at KVK | 00 | 000 | 00 | 00 | 1000 | 1000 |
| Exposure Visit | 1 | 1 | 1 | 1 | 4 | 200 |
| Kisan Ghosthi | 2 | 2 | 2 | 2 | 8 | 400 |
| TV talks  | 2 | 2 | 2 | 2 | 8 | - |
| Popular articles/Booklet | 2 | 2 | 2 | 2 | 8 | 8000 |
| Advisory Services | 500 | 500 | 500 | 250 | 1750 | 1750 |
| Soil health camp |  | 4 |  |  | 4 | 200 |
| Ex-trainees sammelan | 1 | 1 | 1 | 1 | 4 | 120 |
| Self help group convener meet |  |  |  | 1 | 1 | 25 |
| Celebration of important day | 00 | 00 | 00 | 00 | 6 | 300 |
| PACKS member convener meet | 1 |  |  |  | 1 | 25 |
| Pesticide dealers meet |  |  | 1 |  | 1 | 25 |
| Fertilizer dealers meet |  | 1 |  |  | 1 | 25 |
| Success story | 1 | 1 | 1 | 1 | 4 | - |
| Mobile services | 50 | 50 | 250 | 50 | 400 | 400 |
| **Total** | **663** | **671** | **864** | **363** | **3566** | **13420** |

1. **Seed and planting material production:**

|  |  |
| --- | --- |
| **Seed** | **Planting material** |
| **Crop** | **Area**(ha) | **Production (q)** | **Crop** | **Area** (ha) | **No.** |
|  Paddy | 2.0 | 50.00 | Brinjal | 0.05 | 20000 |
| Red gram/ Soyabean | 2.0 | 20.00 | Tomato | 0.05 | 20000 |
| Wheat | 5.0 | 100.00 | Chilli | 0.05 | 20000 |
| Green gram  | 2.0 | 12.00 | Capsicum | 0.05 | 10000 |
| Mustard | 3.0 | 30.00 | Cabbage | 0.05 | 10000 |
| Potato | 0.4 | 80.00 | Cauliflower | 0.05 | 20000 |
| **Total** | **14.4** |  **296.00** | **Total** | 0.05 | **100000** |

**6. Fund requirement during the financial year 2018-19**

|  |  |  |
| --- | --- | --- |
| **S.****No.** | **Particulars** | **Fund requirement**  |
| **A. Recurring Contingencies** |  |
| 1 | **Pay & Allowances** | 8854464.00 |
| 2 | **Traveling allowances** | 200000.00 |
| 3 | **HRD** | 100000.00 |
| 4 | **Contingencies** |
| *A* | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) | 850000.00 |
| *B* | POL, repair of vehicles, tractor and equipments **Electricity bill** |
| *C* | Meals/refreshment for trainees Participated in Farmers and Farm women training (ceiling up to Rs.50/day/trainee be maintained) | 250000.00 |
|  | Meals/refreshment for trainees Participated in Rural youth training (ceiling up to Rs.50/day/trainee \*60 be maintained) | 150000.00 |
|  | Meals/refreshment for trainees Participated in Extension functionaries (ceiling up to Rs.75/day/trainee \*60 be maintained) | 70000.00 |
| *D* | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) | 100000.00 |
| *E* | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) | 150000.00 |
| *F* | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) | 75000.00 |
| Misc Soil testing chemical | 50000.00 |
| **Total** |  |
| **TOTAL (A)** |  |
| **B. Works**  |
| 1 | Equipment and chemical for lab(Soil Science, Home Science and Plant protection | 200000 |
| 2 | Farm equipments( Zero till seed drill cum fertilizer machine, Reepar cum binder, Weighing machine, etc) | 200000 |
| 3 | Half shaded threshing flo0r Shade 1200 sq ft | 1000000 |
| 4 | Shade for MSTL VAN | 200000 |
| 5 | Pathology lab equipments | 50000 |
| 6 | Solar tree | 500000 |
| 7 | Repairing and maintenance of Soil Testing lab  | 200000 |
| 8 | IT equipment (LCD/ CAMERA/PROJECTOR *etc* | 100000 |
| **TOTAL (B)** |  |
| **TOTAL (A+B)** |  |