**BIHAR AGRICULTURAL UNIVERSITY, SABOUR (BHAGALPUR)**





ANNUAL ACTION PLAN

**(April 2018 To March, 2019)**

**Post – Shankarpur, Distt. – Munger, PIN Code – 811201 (Bihar)**

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**ABSTRACT**

**ACTION PLAN 2017-2018**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **User’s Group** | **Duration (Days)** | **No. of Courses** | **Total Trainee Days** | **No. of Beneficiaries** | | | | | | **Grand Total** |
| **SC** | | **ST** | | **Others** | |
| **M** | **F** | **M** | **F** | **M** | **F** |
| **PRACTICING FARMERS** | | | | | | | | | | | |
| Agronomy | **Practicing Farmers** | **40** | **20** | **1200** | **40** | **20** | **49** | **20** | **462** | **49** | **610** |
| Horticulture | **16** | **8** | **320** | **40** | **0** | **0** | **0** | **120** | **0** | **160** |
| Agril. Engg. | **24** | **19** | **626** | **134** | **42** | **0** | **0** | **311** | **48** | **525** |
| Home Science | **27** | **8** | **810** | **0** | **55** | **0** | **22** | **0** | **163** | **240** |
| **Total** | | **107** | **55** | **2956** | **214** | **117** | **49** | **42** | **893** | **260** | **1535** |
| **RURAL YOUTHS** | | | | | | | | | | | |
| Agronomy | **Rural**  **Youths** | **23** | **4** | **460** | **20** | **0** | **20** | **0** | **40** | **0** | **80** |
| Horticulture | **22** | **4** | **440** | **20** | **0** | **0** | **0** | **60** | **0** | **80** |
| Agril. Engg. | **26** | **4** | **650** | **21** | **3** | **0** | **0** | **62** | **14** | **100** |
| Home Science | **38** | **8** | **1140** | **0** | **42** | **0** | **23** | **0** | **175** | **240** |
| **Total** | | **109** | **20** | **2690** | **61** | **45** | **20** | **23** | **162** | **189** | **500** |

**ABSTRACT**

**ACTION PLAN 2017-2018**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **User’s Group** | **Duration (Days)** | **No. of Courses** | **Total Trainee Days** | **No. of Beneficiaries** | | | | | | **Grand Total** |
| **SC** | | **ST** | | **Others** | |
| **M** | **F** | **M** | **F** | **M** | **F** |
| **EXTENSION FUNCTINARIES** | | | | | | | | | | | |
| Agronomy | **EXTENSION FUNCTIONARIES** | **6** | **3** | **180** | **9** | **0** | **9** | **0** | **72** | **0** | **90** |
| Horticulture | **4** | **2** | **80** | **6** | **4** | **0** | **0** | **20** | **10** | **40** |
| Agril. Engg. | **3** | **3** | **95** | **32** | **13** | **0** | **0** | **37** | **13** | **95** |
| Home Science | **9** | **5** | **270** | **0** | **28** | **0** | **15** | **0** | **107** | **150** |
| **Total** | | **22** | **13** | **625** | **47** | **45** | **9** | **15** | **129** | **130** | **375** |
| **G. Total (PF+RY+EF)** | | **115** | **67** | **3310** | **188** | **264** | **36** | **105** | **516** | **841** | **1950** |

**ACTION PLAN 2018 – 2019 (AGRONOMY)**

**USER’S GROUP : PRACTICING FARMER**

| **Discipline** | **Month** | **Thematic Area** | **Course Title** | **Course Objective** | **Duration (days)** | **No. of Courses** | **Total Tr. Days** | **Venue** | **No. of Beneficiaries** | | | | | | **G. Total** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SC** | | **ST** | | **Others** | |
| **M** | **F** | **M** | **F** | **M** | **F** |
| **A**  **G**  **R**  **O**  **N**  **O**  **M**  **Y A**  **G**  **R**  **O**  **N**  **O**  **M**  **Y**  **A**  **G**  **R**  **O**  **N**  **O**  **M**  **Y** | April, 18 | Integrated Nutrient Management. (INM) | Post Harvest Technology | To mitigate the post harvest losses of grain for doubling the farmer income. | 2 | 1 | 60 | OFF | 2 | 1 | 3 | 1 | 20 | 3 | 30 |
| SSNM/ Balance fertilizer management in paddy crop | To increase productivity with efficient dose of fertilizer application | 2 | 1 | 60 | OFF | 2 | 1 | 2 | 1 | 22 | 2 | 30 |
| May, 18 | Cropping system | Improved production technology for hybrid rice. | To increase productivity of rice crop with improved technology. | 2 | 1 | 60 | OFF | 2 | 1 | 3 | 1 | 25 | 3 | 30 |
| June, 18 | Integrated farming system | Promotion of pulse crop | To enhance the profitability of farmers. | 2 | 1 | 60 | OFF | 2 | 1 | 3 | 1 | 25 | 3 | 30 |
| Establishment of IFS model | To make farming cost effective & to do double income of farmers | 2 | 1 | 60 | OFF | 2 | 1 | 3 | 1 | 25 | 3 | 30 |
| Fodder Production | Production technology for kharif green fodder crop | To increase productivity by efficient technology | 2 | 1 | 60 | OFF | 2 | 1 | 3 | 1 | 25 | 3 | 30 |
| July, 18 | Production & use of organic inputs. | Importance of organic farming | i. To Sustain soil fertility | 2 | 1 | 60 | ON | 2 | 1 | 3 | 1 | 25 | 3 | 30 |
| Cropping system | Improved technology for hybrid rice production | To enhance the profitability of famers | 2 | 1 | 60 | OFF | 2 | 1 | 3 | 1 | 25 | 3 | 30 |
| Aug, 18 | Weed Management | Integrated Weed management in paddy Crop | To reduce production cost through weed control | 2 | 1 | 60 | ON | 2 | 1 | 2 | 1 | 22 | 2 | 30 |
| Sep, 18 | Management of problematic soil | Scientific method of problematic soil reclamation. | To enhance soil fertility. | 2 | 1 | 60 | OFF | 2 | 1 | 2 | 1 | 22 | 2 | 30 |
| Oct, 18 | Cropping System | i. Constraints and their remedies for pulse crops | To get more income and production. | 2 | 1 | 60 | OFF | 2 | 1 | 2 | 1 | 22 | 2 | 30 |
| ii. Constraints and their remedies for oilseed crops | To get more income and production | 2 | 1 | 60 | OFF | 2 | 1 | 2 | 1 | 22 | 2 | 30 |
| Nov, 18 | Cropping System | Scientific method for rabi pulse production | For doubling farmer income. | 2 | 1 | 60 | ON | 2 | 1 | 2 | 1 | 22 | 2 | 30 |
| Improved production technology for oilseed crops | To get more income and production. | 2 | 1 | 60 | OFF | 2 | 1 | 2 | 1 | 22 | 2 | 30 |
| Dec, 18 | Resource Conservation technology | Wheat production with Zero tillag**e** | To reduce cost of cultivation and increase productivity of wheat crop | 2 | 1 | 60 | ON | 2 | 1 | 2 | 1 | 22 | 2 | 30 |
| Jan, 19 | IDM/ IPM | Seed treatment of field crops | To reduce the disease infestation by seed treatment. | 2 | 1 | 60 | OFF | 2 | 1 | 3 | 1 | 25 | 3 | 35 |
| IPM in pulses | To reduce pest infestation by different methods of pest control | 2 | 1 | 60 | OFF | 2 | 1 | 3 | 1 | 25 | 3 | 35 |
| Feb, 19 | Soil fertility management | Importance of bio-fertilizer and its application method. | To get more production and income. | 2 | 1 | 60 | OFF | 2 | 1 | 2 | 1 | 22 | 2 | 30 |
| Mar, 19 | Cropping system | Scientific cultivation of mungbean | To increase productivity& soil sustainability | 2 | 1 | 60 | OFF | 2 | 1 | 2 | 1 | 22 | 2 | 30 |
|  | Mar, 19 | Soil fertility management | Method of soil sampling and its importance | To sustain soil fertility and productivity of crop | 2 | 1 | 60 | OFF | 2 | 1 | 2 | 1 | 22 | 2 | 30 |
| **Total** | | | | | **40** | **20** | **1200** |  | **40** | **20** | **49** | **20** | **462** | **49** | **610** |

**ACTION PLAN 2018 – 2019(AGRONOMY)**

**USER’S GROUP : RURAL YOUTH**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Month wise** | **Thematic Area** | **Course Title** | **Course Objective** | **Duration (days)** | **No. of Courses** | **Total Tr. Days** | **Venue** | **No. of Beneficiaries** | | | | | | **G. Total** |
| **SC** | | **ST** | | **Others** | |
| **M** | **F** | **M** | **F** | **M** | **F** |
| **A**  **G**  **R**  **O**  **N**  **O**  **M**  **Y** | May, 18 | Organic farming | Organic farming in Kharif Crops | To reduce the cost of cultivation , sustain soil and quality produce | 5 | 1 | 100 | ON | 5 | - | 5 | - | 10 | - | 20 |
| Sep,  18 | Quality seed Production | Quality seed Production of Rabi pulses | To get quality of seed and more income. | 5 | 1 | 100 | ON | 5 | - | 5 | - | 10 | - | 20 |
| Dec, 18 | INM | vermi-compost production, application & its importance . | To increase income and sustain soil fertility. | 5 | 1 | 100 | ON | 5 | - | 5 | - | 10 | - | 20 |
| Feb, 19 | Integrated farming system | Prospectus and Importance of integrated farming system | To obtain more income through different farm enterprises. | 8 | 1 | 160 | ON | 5 | - | 5 | - | 10 | - | 20 |
| **Total** | | | **23** | **4** | **460** |  | **20** | **0** | **20** | **0** | **40** | **0** | **80** |

**ACTION PLAN 2018– 2019 (AGRONOMY)**

**USER’S GROUP : EXTENSION FUNCTIONARIES**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Month wise** | **Thematic Area** | **Course Title** | **Course Objective** | **Duration (days)** | **No. of Courses** | **Total Tr. Days** | **Venue** | **No. of Beneficiaries** | | | | | | **G. Total** |
| **SC** | | **ST** | | **Others** | |
| **M** | **F** | **M** | **F** | **M** | **F** |
| **A**  **G**  **R**  **O**  **N**  **O**  **M**  **Y** | Jun, 18 | SSNM | Specific site nutrient management for rice based cropping system | To increase the productivity of rice crop for doubling farmer income. | 2 | 1 | 60 | ON | 3 | - | 3 | - | 24 | - | 30 |
| Oct, 18 | Cropping system. | Management of pulses as intercrop in rabi cereals | To increase the income through intercropping of cereals with pulses in drought situation | 2 | 1 | 60 | ON | 3 | - | 3 | - | 24 | - | 30 |
| Dec, 18 | Resource Conservation Technology | Importance and prospect of Zero tillage in sowing of wheat | To get increase productivity & profitability for doubling farmer income. | 2 | 1 | 60 | OFF | 3 | - | 3 | - | 24 | - | 30 |
|  | **Total** | | | **6** | **3** | **180** |  | **9** | **0** | **9** | **0** | **72** | **0** | **90** |

**ACTION PLAN 2018 – 2019 (HORTICULTURE)**

**USER’S GROUP : PRACTICING FARMER**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Month wise** | **Thematic Area** | **Course Title** | **Course Objective** | **Duration (days)** | **No. of Courses** | **Total Tr. Days** | **Venue** | **No. of Beneficiaries** | | | | | | **G. Total** |
| **SC** | | **ST** | | **Others** | |
| **M** | **F** | **M** | **F** | **M** | **F** |
| **H**  **O R**  **T**  **I**  **C**  **U**  **L**  **T**  **U**  **R**  **E** | May, 18 | Layout and management of orchard | Establishment of guava orchard & its management | Popularize the guava orchard in the district | 2 | 1 | 40 | ON | 5 | 0 | 0 | 0 | 15 | 0 | 20 |
| June, 18 | Off season vegetables | Cultivation of vegetables in summer season | To earn more money from the vegetable cultivation for doubling farmer income. | 2 | 1 | 40 | OFF | 5 | 0 | 0 | 0 | 15 | 0 | 20 |
| Aug, 18 | Cultivation of fruits | Management of young plants or orchards | For the proper harvest from the orchard | 2 | 1 | 40 | OFF | 5 | 0 | 0 | 0 | 15 | 0 | 20 |
| Sept., 18 | Nursery raising | Nursery raising of cauliflower, tomato and chilli | To enhance the profitability of farmer | 2 | 1 | 40 | ON | 5 | 0 | 0 | 0 | 15 | 0 | 20 |
| Oct. 18 | Tuber crops | Production and management technology | To enhance the productivity of tuber crops | 2 | 1 | 40 | OFF | 5 | 0 | 0 | 0 | 15 | 0 | 20 |
| Dec., 18 | Spices | Production and management technology | To promote the cultivation of methi and coriander | 2 | 1 | 40 | ON | 5 | 0 | 0 | 0 | 15 | 0 | 20 |
| Feb., 19 | Medicinal and aromatic plants | Production and management technology | Promote the cultivation of Mentha, Lemongrass and tulsi to achieve higher profitability. | 2 | 1 | 40 | OFF | 5 | 0 | 0 | 0 | 15 | 0 | 20 |
| Feb., 19 | Vegetable cultivation | Scientific cultivation of onion | for doubling farmer income. | 2 | 1 | 40 | ON | 5 | 0 | 0 | 0 | 15 | 0 | 20 |
| **Total** | | | **16** | **8** | **320** |  | **40** | **0** | **0** | **0** | **120** | **0** | **160** |

**ACTION PLAN 2018 – 2019 (HORTICULTURE)**

**USER’S GROUP : RURAL YOUTH**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Month wise** | **Thematic Area** | **Course Title** | **Course Objective** | **Dur. (days)** | **No. of Courses** | **Total Tr. Days** | **Venue** | **No. of Beneficiaries** | | | | | | **G. Total** |
| **SC** | | **ST** | | **Others** | |
| **M** | **F** | **M** | **F** | **M** | **F** |
| **H**  **O R**  **T**  **I**  **C**  **U**  **L**  **T**  **U**  **R**  **E** | May, 18 | Planting Material Production | Grafting in mango | For self-employment of rural youth | 6 | 1 | 120 | ON | 5 | 0 | 0 | 0 | 15 | 0 | 20 |
| May, 18 | Nursery raising and vermi culture | Different method of planting material production and vermi culture | Skill development among the rural youth | 5 | 1 | 100 | ON | 5 | 0 | 0 | 0 | 15 | 0 | 20 |
| Nov., 18 | Protected cultivation | Seedling raising of vegetable in poly house/poly tunnel | Income generation and skill development | 5 | 1 | 100 | ON | 5 | 0 | 0 | 0 | 15 | 0 | 20 |
| March, 19 | Planting Material Production | Scientific cultivation of summer vegetables by the use of portray and poly house / tunnel. | For self-employment of Rural youth | 6 | 1 | 120 | ON | 5 | 0 | 0 | 0 | 15 | 0 | 20 |
| **Total** | | | **22** | **4** | **440** |  | **20** | **0** | **0** | **0** | **60** | **0** | **80** |

**ACTION PLAN 2018 – 2019 (HORTICULTURE)**

**USER’S GROUP : EXTENSION FUNCTIONARIES**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Month wise** | **Thematic Area** | **Course Title** | **Course Objective** | **Duration (days)** | **No. of Courses** | **Total Tr. Days** | **Venue** | **No. of Beneficiaries** | | | | | | **G. Total** |
| **SC** | | **ST** | | **Others** | |
| **M** | **F** | **M** | **F** | **M** | **F** |
| **H**  **O R**  **T**  **I**  **C**  **U**  **L**  **T**  **U**  **R**  **E** | June, 18 | Information networking among farmers | To aware the extension personal about mobile messaging, video conferencing, voice messaging and text messaging | Enrolment of large no. of farmers with mobile and other information network | 2 | 1 | 40 | ON | 3 | 2 | 0 | 0 | 10 | 5 | 20 |
| Jan., 19 | Rejuvenation of old orchard | Rejuvenation of old mango orchard | To enhance the profitability of farmers | 2 | 1 | 40 | OFF | 3 | 2 | 0 | 0 | 10 | 5 | 20 |
|  |  |  | **Total** | **4** | **2** | **80** |  | **6** | **4** | **0** | **0** | **20** | **10** | **40** |

**ACTION PLAN 2018 – 2019 (AGRICULTURAL ENGINEERING)**

**USER’S GROUP : PRACTICING FARMER**

| **Discipline** | **Month wise** | **Thematic Area** | **Course Title** | **Course Objective** | **Dur. (days)** | **No. of Courses** | **Total Tr. Days** | **Ven.** | **No. of Beneficiaries** | | | | | | **G. Total** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SC** | | **ST** | | **Others** | |
| **M** | **F** | **M** | **F** | **M** | **F** |
| A  G  R  I  L.  E  N  G  G.  **A**  **G**  **R**  **I**  **L .**  **E**  **N**  **G**  **G.**  **A**  **G**  **R**  **I**  **L .**  **E**  **N**  **G**  **G.** | April, 18 | Repair and maintenance of farm machinery implements | Operation method of multicrop thresher and precautions during operation | To reduce PHT losses for doubling farmers income. | 1 | 1 | 30 | OFF | 6 | 2 | 0 | 0 | 18 | 4 | 30 |
| May, 18 | Repair and maintenance of farm machinery implements | Detailed knowledge about cleaner and grader | To make agril. Produce for sale or storage | 1 | 1 | 25 | OFF | 5 | 1 | 0 | 0 | 18 | 1 | 25 |
| June,18 | Installation and maintenance of micro irrigation | Detailed knowledge about drip irrigation | To reduce input cost & enhance the profitability of farmer | 1 | 1 | 30 | OFF | 8 | 2 | 0 | 0 | 18 | 2 | 30 |
| June,18 | Installation and maintenance of micro irrigation | Sprinkler irrigation & its utility | To enhance water economy | 1 | 1 | 30 | OFF | 8 | 2 | 0 | 0 | 28 | 2 | 30 |
| July, 18 | RCT | Direct seeding of rice by zero tillage and paddy drum seeder | To decrease input cost for doubling farmers income. | 1 | 1 | 31 | OFF | 6 | 2 | 0 | 0 | 20 | 2 | 30 |
| July, 18 | Repair and maintenance of farm machinery implements | Detail knowledge about paddy transplanter | To save time and money | 1 | 1 | 30 | OFF | 8 | 2 | 0 | 0 | 20 | 0 | 30 |
| August, 18 | Water Management | Importance of drainage in kharif crops | To manage water & nutrients in kharifcrop cultivation | 1 | 1 | 25 | ON | 4 | 1 | 0 | 0 | 20 | 0 | 25 |
| Aug., 18 | Repair and maintenance of farm machinery implements | Detail knowledge about biogas | To generate renewal energy | 1 | 1 | 30 | ON | 7 | 1 | 0 | 0 | 20 | 2 | 30 |
| Oct., 18 | Water Management | water management in rabi crops | To save water & other inputs | 1 | 1 | 25 | ON | 8 | 5 | 0 | 0 | 8 | 4 | 25 |
| Nov, 18 | Water Management | water management in rabi vegetables | To save water. | 2 | 1 | 50 | OFF | 7 | 5 | 0 | 0 | 8 | 5 | 25 |
| Nov, 18 | Repair and maintenance of farm machinery implements | Generate solar energy by photovoltaic cell | To collect solar energy | 1 | 1 | 30 | ON | 7 | 2 | 0 | 0 | 19 | 2 | 30 |
| Dec., 18 | Repair and maintenance of farm machinery implements | Detail Knowledge about solar pump | To save energy and create alternate source of energy | 1 | 1 | 25 | OFF | 5 | 2 | 0 | 0 | 15 | 3 | 25 |
| Dec., 18 | Water Management | Scientific methods of surface irrigation | To save irrigation cost | 2 | 1 | 50 | ON | 5 | 2 | 0 | 0 | 15 | 3 | 25 |
| Jan., 19 | Water Management | Water Management in rabi maize | To save irrigation cost | 1 | 1 | 25 | OFF | 7 | 2 | 0 | 0 | 14 | 2 | 25 |
| Jan., 19 | Use of Plastic in Agril. | Importance of plastic mulch | To Save water nutrients. | 2 | 1 | 50 | ON | 10 | 2 | 0 | 0 | 10 | 3 | 25 |
| Feb., 19 | Farm Power | Detail knowledge about irrigation pumps | To make easy irrigation at low cost. | 2 | 1 | 50 | ON | 8 | 3 | 0 | 0 | 12 | 2 | 25 |
| March, 19 | Repair and maintenance of farm machinery implements | Detail knowledge about combine harvester | To reduce PHT losses and cost | 1 | 1 | 30 | OFF | 10 | 2 | 0 | 0 | 15 | 3 | 30 |
| March, 19 | Repair and maintenance of farm machinery implements | Operation methods of reaper and its core maintenance | To enhance the capacity and useful life of reaper | 1 | 1 | 30 | OFF | 7 | 2 | 0 | 0 | 18 | 3 | 30 |
| March, 19 | Water management | Water management in summer vegetables | To save water and increase yield | 2 | 1 | 30 | OFF | 8 | 2 | 0 | 0 | 15 | 5 | 30 |
|  | **Total** | | | **24** | **19** | **626** | **0** | **134** | **42** | **0** | **0** | **311** | **48** | **525** |

**PLAN 2018 – 2019 (AGRICULTURAL ENGINEERING)**

**USER’S GROUP : RURAL YOUTH**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Month wise** | **Thematic Area** | **Course Title** | **Course Objective** | **Duration (days)** | **No. of Courses** | **Total Tr. Days** | **Venue** | **No. of Beneficiaries** | | | | | | **G. Total** |
| **SC** | | **ST** | | **Others** | |
| **M** | **F** | **M** | **F** | **M** | **F** |
| **A**  **G**  **R**  **I**  **L.**  **E**  **N**  **G**  **G.** | April to June18 | Repair and maintenance of farm machinery implements | Detail knowledge about different types of irrigation pumps | To develop skill to use different pumps | 7 | 1 | 175 | ON | 5 | 0 | 0 | 0 | 15 | 5 | 25 |
| July to sept 18 | Repair and maintenance of farm machinery implements | Detail knowledge about engine | To generate self-employment and save input cost of agriculture and other | 7 | 1 | 175 | ON | 4 | 1 | 0 | 0 | 15 | 5 | 25 |
| Oct to Dec 18 | Installation and maintenance of micro irrigation | Installation methods of drip irrigation with its detail knowledge | To generate self-employment with repair maintenance of drip irrigation system | 7 | 1 | 125 | ON | 8 | 0 | 0 | 0 | 17 | 0 | 25 |
| Jan to March, 19 | Repair and maintenance of farm machinery implements | Operation, Care & maintenance of sprinkler | To aware about care maintenance of sprinkler | 5 | 1 | 175 | ON | 4 | 2 | 0 | 0 | 15 | 4 | 25 |
| **Total** | | | **26** | **4** | **650** | **0** | **21** | **3** | **0** | **0** | **62** | **14** | **100** |

**ACTION PLAN 2018– 2019(AGRICULTURAL ENGINEERING)**

**USER’S GROUP : EXTENSION FUNCTIONARIES**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Month wise** | **Thematic Area** | **Course Title** | **Course Objective** | **Duration (days)** | **No. of Courses** | **Total Tr. Days** | **Venue** | **No. of Beneficiaries** | | | | | | **G. Total** |
| **SC** | | **ST** | | **Others** | |
| **M** | **F** | **M** | **F** | **M** | **F** |  |
| **A**  **G**  **R**  **I**  **L.**  **E**  **N**  **G**  **G.** | May, 18 | Installation and maintenance of micro irrigation | Utility & importance of Drip irrigation system | To increase water productivity | 1 | 1 | 30 | OFF | 10 | 5 | 0 | 0 | 12 | 3 | 30 |
| June, 18 | Repair and maintenance of farm machinery implements. | Detail knowledge about rice transplanter | To save input cost & enhances productivity for doubling farmers income | 1 | 1 | 35 | OFF | 12 | 3 | 0 | 0 | 15 | 5 | 35 |
| Mar., 19 | Repair and maintenance of farm machinery implements | Impart Knowledge about innovative farm machinery | To aware people about utility of farm machinery. | 1 | 1 | 30 | OFF | 10 | 5 | 0 | 0 | 10 | 5 | 30 |
|  |  |  | **Total** | **3** | **3** | **95** |  | **32** | **13** | **0** | **0** | **37** | **13** | **95** |

**ACTION PLAN 2018 – 2019 (HOME SCIENCE)**

**USER’S GROUP : PRACTICING FARMERS WOMEN**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Quarter Month** | **Thematic Area** | **Course Title** | **Course Objective** | **Duration (days)** | **No. of Courses** | **Total Tr. Days** | **Venue** | **No. of Beneficiaries** | | | | | | **G. Total** |
| **SC** | | **ST** | | **Others** | |
| M | F | M | F | M | F |
| **H**  **O**  **M**  **E**  **S**  **C**  **I**  **E**  **N**  **C**  **E** | April to June  2018 | Value Addition | Scientific method of fruit and vegetable preservation | for doubling farm women income. | 5 | 1 | 150 | ON | 0 | 14 | 0 | 0 | 0 | 16 | 30 |
| Designing and development for high nutrient efficiency diet | Food & Nutrition | For Healthy life | 2 | 1 | 60 | OFF | 0 | 8 | 0 | 4 | 0 | 18 | 30 |
| July to  Sep 2018 | Value Addition | Scientific method of Badi, Papad, and Pickle preparation | for doubling farm women income | 5 | 1 | 150 | ON | 0 | 4 | 0 | 2 | 0 | 24 | 30 |
| Storage Loss minimization technique | Storage of grain | skill training income generation | 2 | 1 | 60 | OFF | 0 | 8 | 0 | 4 | 0 | 18 | 30 |
| **Discipline** | **Quarter Month** | **Thematic Area** | **Course Title** | **Course Objective** | **Duration (days)** | **No. of Courses** | **Total Tr. Days** | **Venue** | **No. of Beneficiaries** | | | | | | **G. Total** |
| **SC** | | **ST** | | **Others** | |
| M | F | M | F | M | F |
| **H**  **O**  **M**  **E**  **S**  **C**  **I**  **E**  **N**  **C**  **E** | Oct to Dec  20178 | Storage Loss minimization technique | Storage of grain | skill training for income generation | 2 | 1 | 60 | OFF | 0 | 4 | 0 | 3 | 0 | 23 | 30 |
| Oct to Dec  2018 | Mushroom | Scientific method of mushroom cultivation | Income generation | 5 | 1 | 150 | ON | 0 | 5 | 0 | 3 | 0 | 22 | 30 |
| Jan.to Mar 2019 | Designing and development for high nutrient efficiency diet | Food & nutrition | Healthy life | 1 | 1 | 30 | OFF | 0 | 4 | 0 | 2 | 0 | 24 | 30 |
| Rural Craft | Tailoring | Income generation | 5 | 1 | 150 | ON | 0 | 8 | 0 | 4 | 0 | 18 | 30 |
|  |  |  |  | **TOTAL** | **27** | **8** | **810** | **0** | **0** | **55** | **0** | **22** | **0** | **163** | **240** |

**ACTION PLAN 2018 – 2019(HOME SCIENCE)**

**USER’S GROUP : RURAL YOUTH**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Quar. Month** | **Thematic Area** | | **Course Title** | **Course Objective** | **Duration (days)** | **No. of Courses** | **Total Tr. Days** | **Venue** | **No. of Beneficiaries** | | | | | | **G. Total** |
| **SC** | | **ST** | | **Others** | |
| M | F | M | F | M | F |
| **H**  **O**  **M**  **E**  **S**  **C**  **I**  **E**  **N**  **C**  **E** | April to June  2018 | Income generation for empowerment of rural women | | Tailoring | Income generation | 2 | 1 | 60 | **OFF** | 0 | 8 | 0 | 4 | 0 | 18 | 30 |
| Value Addition | | Scientific method of papad, badi and pickle preparation | Income generation | 5 | 1 | 150 | **ON** | 0 | 4 | 0 | 2 | 0 | 24 | 30 |
| July to  Sep 2018 | Storage Loss minimization technique | | Scientific method for Storage of grain | To develop knowledge and skill training for income generation | 2 | 1 | 60 | **OFF** | 0 | 8 | 0 | 4 | 0 | 18 | 30 |
| Income generation for empowerment of rural women | | Tailoring | Income generation | 10 | 1 | 300 | **ON** | 0 | 4 | 0 | 2 | 0 | 24 | 30 |
| **Discipline** | **Quarter Month** | **Thematic Area** | **Course Title** | | **Course Objective** | **Duration (days)** | **No. of Courses** | **Total Tr. Days** | **Venue** | **No. of Beneficiaries** | | | | | | **G. Total** |
| **SC** | | **ST** | | **Others** | |
| M | F | M | F | M | F |
| **H**  **O**  **M**  **E**  **S**  **C**  **I**  **E**  **N**  **C**  **E** | Oct to Dec  2018 | Mushroom production | Scientific method of mushroom cultivation | | Income generation | 5 | 1 | 150 | **ON** | 0 | 4 | 0 | 3 | 0 | 23 | 30 |
| Rural Craft | Knitting and embroidery | | Income generation | 2 | 1 | 60 | **OFF** | 0 | 5 | 0 | 3 | 0 | 22 | 30 |
| Jan.to Mar 2019 | Income generation for empowerment of rural women | Tailoring | | Income Generation | 10 | 1 | 300 | **ON** | 0 | 4 | 0 | 2 | 0 | 24 | 30 |
| Rural Craft | Embroidery | | Income Generation | 2 | 1 | 60 | **OFF** | 0 | 5 | 0 | 3 | 0 | 22 | 30 |
|  | **Total** | | | | | **38** | **8** | **1140** | **0** | **0** | **42** | **0** | **23** | **0** | **175** | **240** |

**ACTION PLAN 2018– 2019(HOME SCIENCE)**

**USER’S GROUP : IN SERVICE**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Quarter Month** | **Thematic Area** | **Course Title** | **Course Objective** | **Duration (days)** | **No. of Courses** | **Total Tr. Days** | **Venue** | **No. of Beneficiaries** | | | | | | **G. Total** |
| **SC** | | **ST** | | **Others** | |
| **M** | **F** | **M** | **F** | **M** | **F** |
| **H**  **O**  **M**  **E**  **S**  **C**  **I**  **E**  **N**  **C**  **E** | April to June  2018 | Designing and development for high nutrient efficiency diet | Formulation of low cost nutrient efficient diet for infant, pregnant women and lactating mother | Low cost nutrient | 2 | 1 | 60 | **OFF** | 0 | 4 | 0 | 2 | 0 | 24 | 30 |
| July to  Sep 2018 | Value Addition | Scientific method of fruit and vegetable preservation | for doubling farm women income | 2 | 1 | 60 | **OFF** | 0 | 4 | 0 | 2 | 0 | 24 | 30 |
| Mushroom production | Scientific method of mushroom cultivation | for doubling farm women income | 1 | 1 | 30 | **OFF** | 0 | 8 | 0 | 4 | 0 | 18 | 30 |
| Oct to Dec  2018 | Value Addition | Scientific method of fruit and vegetable preservation | Income generation | 2 | 1 | 60 | **OFF** | 0 | 8 | 0 | 4 | 0 | 18 | 30 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Quarter Month** | **Thematic Area** | **Course Title** | **Course Objective** | **Duration (days)** | **No. of Courses** | **Total Tr. Days** | **Venue** | **No. of Beneficiaries** | | | | | | **G. Total** |
| **SC** | | **ST** | | **Others** | |
| M | F | M | F | M | F |
|  | Jan.to Mar 2019 | Storage Loss minimization technique | Storage of grain | To develop knowledge and skill for training income generation | 2 | 1 | 60 | **OFF** | 0 | 4 | 0 | 3 | 0 | 23 | 30 |
| **Total** | | |  | 9 | **5** | **270** |  | **0** | **28** | **0** | **15** | **0** | **107** | **150** |

**FLD (2018– 2019)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Descipline** | **THEMATIC AREA** | **TECHNOLOGY TO BE DEMONSTRATED** | **Area (ha.)** | **NO. OF FARMERS** |
| **Crop Production** | Cropping System | SSNM Paddy  Hybrids of wheat | 10  10 | 25  25 |
| **CFLD oilseed** | Cropping System | Rape seed and mustard | 50 | 125 |
| Linseed | 20 | 50 |
| **CFLD Pulse** | Cropping System | Pigeonpea | 50 | 125 |
| Horsegram | 20 | 50 |
| Chickpea | 40 | 100 |
| Lentil | 40 | 100 |
| Fieldpea | 10 | 25 |
| Mungbean | 10 | 25 |
| **Horticulture** | **Cultivation of fruit** | Soil application of cultar@10 a.i /m2 for regular bearing in mango cv langra | 0.5 | 10 |
| **Cultivation of fruit** | Demonstration of sweet Charlie/ festival (strawberry) in mid October to mid november | 0.1 | 10 |
| **Agricultural Engineering** |  | 0.9 CPE( Cumulative pan evaporation) irrigation water applied in potato | 1.5 |  |
| RCT | Sowing of wheat by zero tillage machine | 10 |  |
| **Home Science** | Value addition | Manual cum power operated mango harvester | - | 10 |
| **Home Science** | PHT | Bhindi cutters for harvesting vegetables and flowers | - | 10 |

**Title : Assessment of weed management techniques in zero tillage sown rabi maize for enhancing profitability.**

**Thematic area:** Integrated weed management

**Problem identified Low profitability of crop due to heavy infestation of weeds.**

**Background**: Low yield of rabi maize due to heavy infestation of weed flora **Hypothesis:**  Application of different weedicides in rabi maize can enhance maize yield by reducing weed infestation

**Details of technology selected:**

**Farmers Practice:**  Hand weeding at 25 DAS and 45 DAS

**Technology Option 1:** Atrazine @1.0 kg a.i. / ha as early post emergence (7DAS)

**Technology Option 2:** Halosulfuron @ 90 g a.i. / ha + Atrazine@500 g a.i. / ha as post

emergence (15DAS)

**Technology Option 3:** Topranizon@40ml a.i./ha )+Atrazine @500 g a.i./ha as post emergence (15DAS)

**Characteristic of technology:** Hybrid maize, duration 150-180 days, yield potential 70-80 q/ha.

Atrazine @1.0 kg a.i. / ha( 50 % WP) to reduce non grassy and grassy weeds

Halosulfuron @ 90 g a.i. / ha (75 % WG) to reduce motha weeds

Topranizon@40ml a.i./ha (33.6 SC) to reduce non grassy and grassy weeds

Hand weeding by manually.

**Source of Technology:** BAU,Sabour

**No. of replication/farmers :** 10

**Performance Indicator:** Major weed flora, no. of weeds/m2, weeds dry matter(g/m2), Phytotoxcity, yield and yield attributes and HI

**Economic Indicator:** 1. Cost of cultivation (Rs./ha)

2. Gross return (Rs/ha)

3. Increase in yield (%)

4. B.C- ratio

**Critical input:** Seed, labour, weedicide etc.

**Cost of Input :** Rs 15,000/=

**Lesson learn:** Weed management in rabi maize sown by zero tillage can double their income.

**Title : Assessment of weed management techniques in pigeonpea**

**Thematic area:** Integrated weed management

**Problem identified** Low profitability and productivity of pigeonpea crop due to heavy infestation of weeds.

**Background**: cultivation of pigeonpea crop find less profitable due to heavy infestation of weed flora .

**Hypothesis:**  Application of different weedicides in pigeonpea crop can enhance profitability.

**Details of technology selected:**

**Farmers Practice:**  Hand weeding at 20 DAS an 40 DAS

**Technology Option 1:** pendimethalin @1.0 kg a.i. / ha as pre emergence

**Technology Option 2:** imazethaypr @ 40 g a.i. / ha at 20 days after sowing (DAS)

**Technology Option 3:** Imazethapyr @ 60 g a.i. /ha at 30 DAS

**Characteristic of technology:** Pigeonpea variety Narendra arhar-1, duration 260-270 days, yield potential 20-25 q/ha.

pendimethalin @1.0 kg a.i. / ha as pre emergence to reduce non grassy and grassy weeds

imazethaypr @ 40 g a.i. / ha and @ 60 g a.i. /ha to reduce non grassy and grassy weeds

Hand weeding in interval

**Source of Technology:** BAU,Sabour

**No. of replication/farmers :** 10

**Performance Indicator:** Major weed flora,weed population, weed counts, weeds dry matter(g/m2), Phytotoxcity, yield and yield attributes and HI(Harvest Index)

**Economic Indicator:** 1. Cost of cultivation (Rs./ha)

2. Gross return (Rs/ha)

3. Increase in yield (%)

4. B.C- ratio

**Critical input:** Seed, labour, weedicide etc.

**Cost of Input :** Rs 12,000/=

**Lesson learn:** Weed management in pigeonpea can double their income.

**Title : Assessment of maize based intercropping for enhancing profitability**

**Thematic area:** cropping system

**Problem identified :** Area shrinkage, cost of cultivation is high and less profitable

**Background :**Cultivation of maize is less profitable due to high cost of cultivation .

**Hypothesis:** Using intercropping of vegetable pea can enhance their profitability.

**Details of technology selected:**

**Farmer practice :** Sole cropping of maize

**Technical option1 :** Maize + Azad P-3

**Technical option2 :** Maize + Arkel

**Characteristic of technology:**

**Azad P-3** plant dwarf 65-70cm, plant maturity- 65 -70 days., 200 q/ha green pea yield and 15-20 q/ha seed yield.

**Arkel-** plant dwarf 40-60cm, plant maturity- 55-60 days, 100-125 q/ha green pea yield and 12-13 q/ha seed yield.

**Source of Technology:** BAU,Sabour

**No. of replication/farmers :** 10

**Performance Indicator:** Height of both variety of pea, Pod length, No. of seed/pod, yield q /ha.

**Economic Indicator:** 1. Yield (q./ha)

2. Cost of cultivation (Rs/ha)

3. Gross Return (Rs/ha)

4. B.C- ratio

**Plot size=** 1.25 ha

**Critical input:** Maize seed, Azad P-3 and Arkel vegetable seed

**Cost of Input :** Rs 10,000/=

**Lesson learn:** Intercropping of vegetable pea with rabi maize can double the income.

**Title : Assessment of technology for remedy of fruit drop in mango**

**Thematic area:** Management of orchard

**Problem identified :** Fruit drop in mango

**Background :** Heavy fruit drop in mango, economic loss and less profit from orchard.

**Hypothesis:** There is heavy fruit drop observed in mango. Proper remedy of the fruit drop can increase the profitability of mango growers.

**Details of technology selected:**

**Farmer practice :** No any preventive measure

**Technical option1 :** Recommended dose of fertilizer and irrigation

**Technical option2 :** Spray of NAA 20PPM twice at interval of 2 week after fruit set and recommended dose of fertilizer and irrigation.

**Characteristic of technology:** Compost 40kg, N-250g, P-200g, K-250g,neem cake-2kg, NAA 20 PPM twice at interval of 2 week

**Source of Technology:** BAU,Sabour

**No. of replication/farmers :** 10

**Performance Indicator:** No. of fruit drop/plant, yield/plant, quality of fruits.

**Economic Indicator:** 1. Yield (q./ha)

2. Cost of cultivation (Rs/ha)

3. Gross Return (Rs/ha)

4. B.C- ratio

**Plot size=** 2100 m2 =0.21 ha

**Critical input:** Irrigation cost, fertilizer and plant hormone(NAA)

**Cost of Input :** Rs 10,000/=

**Lesson learn:** Better management of orchard will enhance the income.

**Title : Assessment of different types of irrigation on yield of tomato**

**Thematic area:** Water Management

**Problem identified :** Less yield with high amount of water applied and high input cost. The product is also with deteriorated quality

**Background :** farmer apply irrigation in tomato crop by flood irrigation method or check basin irrigation method. It consumes more quantity of irrigation water and yields less with inferior quality.

**Hypothesis:** Drip irrigation will yield more with best quality by investing less quantity of irrigation water.

**Details of technology selected:**

**Farmer practice :** Traditional flood irrigation

**Technical option1 :** check basin irrigation

**Technical option2 :** Drip irrigation with drip nutrition kit.

**Characteristic of technology:** Drip irrigation is a latest innovative method of irrigation which reduces input cost, crop span and fetches more yield with export oriented quality. It saves water and irrigates in problematic soil and in water scarcity area.

**Source of Technology:** PFDC, R.A.U. Samastipur annual Report (2004)

**No. of replication/farmers :** 09

**Performance Indicator:** Water requirement (mm),Water use efficiency (q/ha mm),

Yield (q/ha),Saving of water (%),% Increase yield

**Economic Indicator:** 1. Yield (q./ha)

2. Cost of cultivation (Rs/ha)

3. Gross Return (Rs/ha)

4. B.C- ratio

**Plot size=** 250 m2 (Total 0.68 ha)

**Critical input:** Drip nutrition kit & irrigation cost

**Cost of Input :** Rs 20,000/=

**Lesson learn:** More crop per drop of water for doubling farmers income.

**Title : Assessment of different methods of direct seeding of paddy**

**Thematic area :**Farm Machinery

**Problem identified : 1.**High cost of cultivation 2. High labour intensive 3. Lees profitable.

**Background :** Direct sowing of paddy by broadcast method is high seed rate needed method and not cost effective.

**Hypothesis:** Direct sowing of paddy by paddy drum seeder or zero tillage will be cost effective and profitable.

**Details of technology selected:**

**Farmer practice :**DSR by broad casting method.

**Technical option1 :** DSR by zero tillage machine..

**Technical option2 :** DSR by paddy drum seeder.

**Characteristic of technology:** Direct sowing of paddy saves input cost, yield more and saves time for sowing next rabi crops. It saves seeds and sows in line.

**Source of Technology:** CIMMYT, RAU, Pusa, Samastipur,Bihar

**No. of replication/farmers :** 09

**Performance Indicator:** Yield of crops (q/ha), no. of tillers per plant & total water used(cm)

**Economic Indicator:** 1. Cost of cultivation (Rs./ha)

2. Gross return(Rs/ha)

3. Saving of seed(%)

4. B.C- ratio

**Plot size=** 250 m2

**Net Plot size performs :** 3 x 250m2=750 m2

**Total OFT’s area :**9 x 750 = 6750 m2 = 0.68 ha

**Critical input:** Seeds and sowing cost( Diesel for sowing with zero tillage)

**Cost of Input :** Rs 15,000/=

**Lesson learn:** To reduce cost of cultivation and avert the effect of critical climate condition ( drought)

**Title : Assessment of irrigation regimes based on growth stage on yield and irrigation need of gram cultivation in Tal land**

**Thematic area :** Water Management

**Problem identified :** low yield with deteriorated quality due to rainfed or without irrigation.

**Background :** farmers scare to give irrigation because they consider, irrigation enhances vegetative growth only not yield of chickpea. But light irrigation will enhance yield and its quality applying at different critical stages.

**Hypothesis:** Irrigation enhances the yield and its quality, hence more returns.

**Details of technology selected:**

**Farmer practice :** No irrigation

**Technical option1 :** Irrigation applied at Pod formation stage.

**Technical option2 :** Irrigation applied at branching and pod formation stage

**Characteristic of technology:** Irrigation enhances the yield and quality of grain at critical stage. It mitigates the terminal heat effect on yield of crop.

**Source of Technology:** Coordinator‘s report of AICRP on water management 1973-75, 1979-81 and 1981-83, CSSRI Karnal Haryana.

**No. of replication/farmers :** 09

**Performance Indicator:** Total water applied (mm/cm),Yield of grain (q/ha) and

Water use efficiency (quintal/ha-cm)

**Economic Indicator:** 1. Cost of cultivation (Rs./ha)

2. Gross return (Rs/ha)

3. Increase in yield (%)

4. B.C- ratio

**Plot size=**500m2

**Net Plot size performs :**25000m2

**Total OFT’s area :**2.25 ha

**Critical input:** Seeds and Diesel for irrigation.

**Cost of Input :** Rs 12,000/=

**Lesson learn:** Irrigation enhances the yield and quality of grain

**Title : Assessment of Badi (Nugget) preparation using different pulse for enhancing profitability.**

**Thematic area :** Value addition

**Problem identified :** Raw pulse is less profitable and having low nutritive value

**Background :** Raw pulse grain having low nutritive value.The marketing value is low. The value added pulse in form of bari will give high nutritive value, storability and marketing value.

**Hypothesis:**  Making of badi can open income source for farm women and It reduces the loss of pulse grain.

**Details of technology selected:**

**Farmer practice :** Preparation of Badi by using Udrad dal

**­­ Tech .option- T1 :** Preparation of Badi by using Chana dal

**Tech. option- T2 :** Preparation of Badi by using Moong dal

**Characteristic of technology:** Value addition technology reduces PHT losses and increases its marketing value.

**Source of Technology:** CFTRI, Mysore

**No. of replication/farmers :** 10

**Performance Indicator:** Colour, taste and storability

**Economic Indicator:** 1. Cost of preparation (Rs./ha)

2. Gross return (Rs/ha)

3. Increase in yield (%)

4. B.C- ratio

**Critical input:** Urad dal, Moong dal & Chana Dal

**Cost of Input :** Rs 8,000/=

**Lesson learn:** Badi enhances the profitability of farm women

**Title : Assessment of value of raw tomato making different products for profitability.**

**Thematic area :** Value addition

**Problem identified :** Tomato cultivation is less profitable in glut season

**Background**: Tomato production is less profitable in glut season due to huge production in particular time. It is soon perishable vegetable, hence value addition is necessary.

**Hypothesis:**  Making of tomato sauce and purie can reduce the economic losses.

**Details of technology selected:**

**Farmer practice :** Preparation of Chatney

**­­ Tech .option- T1 :** Preparation of tomato sauce (by using Tomato+ Sugar+ Salt+ spices+ vinegar + sodium benzoate.)

**Tech. option- T2 :** Preparation of tomato purie b(by using Tomato+ Sugar+ Salt+ vinegar + sodium benzoate.)

**Characteristic of technology:** This technology enhances marketing value, storability time and reduces its losses.

**Source of Technology:** BAU,Sabour

**No. of replication/farmers :** 10

**Performance Indicator:** Colour, taste and keeping quality

**Economic Indicator:** 1. Cost of preparation (Rs./ha)

2. Gross return (Rs/ha)

3. Increase in yield (%)

4. B.C- ratio

**Critical input:** Tomato+ Sugar+ Salt+ spices+ vinegar + sodium benzoate

**Cost of Input :** Rs 10,000/=

**Lesson learn:** Different tomato products can enhance the profitability of farm women and this way they can double their income.

**EXTENSION ACTIVITIES**

**2018– 2019**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Activities Sub – Activities** | **Quarter wise area / Number** | | | | **Beneficiaries (Nos.)** | | | | | | | | | | | | |
| **I** | **II** | **III** | **IV** | **I** | | | **II** | | | **III** | | | | **IV** | | |
| **SC** | **ST** | **O** | **SC** | **ST** | **O** | **SC** | **ST** | **O** | | **SC** | **ST** | **O** |
| **1** | **Field days (No.)** | **1** | **2** | **4** | **6** | **8** | **0** | **23** | **16** | **0** | **46** | **36** | **0** | **90** | | **48** | **0** | **135** |
| **2** | **Exhibition / Fair (No.)** | **0** | **1** | **1** | **2** | **0** | **0** | **0** | **92** | **14** | **140** | **80** | **12** | **130** | | **170** | **25** | **530** |
| **3** | **Diagnostic Service (No.)** | **1** | **4** | **6** | **5** | **6** | **0** | **10** | **22** | **0** | **80** | **40** | **12** | **120** | | **36** | **0** | **110** |
| **4** | **Animal Health Camp** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | | **0** | **0** | **0** |
| **5** | **Ex - trainee meet** | **1** | **0** | **1** | **1** | **8** | **0** | **18** | **0** | **0** | **0** | **7** | **0** | **24** | | **6** | **0** | **26** |
| **6** | **Farmers Meet / KisanChoupal** | **12** | **13** | **14** | **12** | **84** | **24** | **240** | **92** | **0** | **242** | **95** | **15** | **310** | | **26** | **12** | **225** |
| **7** | **Advisory / Enquiry (NO.)** | **55** | **65** | **75** | **80** | **15** | **2** | **38** | **25** | **5** | **35** | **20** | **10** | **45** | | **25** | **5** | **50** |
| **8** | **Publication / Distribution (No.)** | **4** | **4** | **5** | **6** | **mass** | | | | | | | | | | | | |
| **9** | **Formation of Seed Groups** | **1** | **1** | **1** | **1** | **8** | **0** | **20** | **7** | **0** | **19** | **8** | **0** | **20** | | **5** | **11** | **21** |
| **10** | **Akashwani Radio Talk** | **1** | **1** | **1** | **1** | **mass** | | | | | | | | | | | | |
| **11** | **Doordarshan TV Shows** | **1** | **1** | **1** | **1** | **mass** | | | | | | | | | | | | |
| **12** | **Sponsored Training** | **1** | **2** | **1** | **2** | **7** | **0** | **23** | **14** | **20** | **5** | **8** | **0** | | **20** | **16** | **4** | **40** |