**ICAR-ATARI – Zone-I, Ludhiana**

**PROFORMA FOR ACTION PLAN 2018-19**

**GUIDELINES**

**(*Please read guidelines carefully without fail*)**

1. Select the cluster villages in the district based on the need analysis through different methods and interactions with farmers and field level extension functionaries, farmers’ group meetings, field visits, focus on specific locations of the district etc. Conduct PRA in those clusters and identify crop and livestock based problems. Then prioritize the problems based on criteria like the extent, severity, importance and frequency of each problem with quantitative data.
2. Plan of work must correspond to the prioritized problems to be addressed in selected cluster of villages. Before proposing the Action Plan, discuss in details about the prioritized problems with factors affecting through problem-cause diagram, technological solutions available and technological interventions to be undertaken by KVK.
3. It is observed that team spirit is lacking while addressing the problems. Therefore need based multi-disciplinary team of SMSs should be formed for implementing various technological interventions effectively and efficiently.
4. Integrated approach with combination of OFTs, FLDs, Training and Extension activities should be followed for implementing planned interventions7.
5. In case of FLD on crops, kindly ensure that relevant latest varieties / hybrids are included.
6. Technology interventions in animal husbandry, poultry and fisheries need additional emphasis. Respective Veterinary Universities and experienced KVKs may be approached in this regard.
7. Vocational trainings should be planned on the thrust area identified in the operational area. Specific vocational programmes may be conducted for para-technicians and field personnel engaged in animal husbandry activities.
8. OFT / FLD proposals on fodder crops may please be included under Livestock - feed and fodder management.
9. Budget allocation under FLD/OFT (2018-19) will be based on your approved proposals. No additional proposals are entertained later on.
10. Plan for public-private partnership to enhance the availability of seed/planting material/bio-agent etc. in the villages for speedy popularization of technologies promoted through various KVK activities.
11. Extension Official-Scientists-Farmers interaction may please be given utmost importance in every activity of the KVK.
12. Additional activities (other than mandated activities) if any, have to be incorporated in the action plan and presented for technical approval by ICAR-ATARI, Ludhiana.

**ICAR-ATARI – Zone-I, Ludhiana**

###### PROFORMA FOR ACTION PLAN OF KVKs IN ZONE I FOR 2018-19

###### 1. General information about the Krishi Vigyan Kendra

|  |  |  |  |
| --- | --- | --- | --- |
| 1.1 | Name and address of KVK with Phone, Fax and e-mail | : | KVK Poonch, Qazi Morah, Tehsil: Haveli, District: Poonch, State: J&K, Pin: 185101,Tele/fax: 01965-221796,  email: [kvkpoonch@gmail.com](mailto:kvkpoonch@gmail.com) |
| 1.2 | Name and address of host organization | : | Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu, Chatha, Jammu (J&K)-180009, India |
| 1.3 | Year of sanction | : | 2007 |
| 1.4 | Website address of KVK and date of last update |  | [kvkpoonch@](mailto:kvkpoonch@)nic.in |

**2. Details of staff as on date**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Sanctioned post** | **Name of the incumbent** | **Discipline** | **Existing Pay band** | **Grade Pay** | **Date of joining** | **Permanent / Temporary** |
| 2.1 | Programme Coordinator | NIL |  |  |  |  | Permanent |
| 2.2 | Subject Matter Specialist | Dr. Ajay Gupta | Agronomy | 15600-39100 | 8000 | 28-10-2014 | Permanent |
| 2.3 | Subject Matter Specialist | Dr. Muzafar Mir | Fruit Science | 15600-39100 | 5400 | 01-07-2014 | Permanent |
| 2.4 | Subject Matter Specialist | Dr. Muneeshwar Sharma | Plant Protection | 15600-39100 | 5400 | 02-07-2014 | Permanent |
| 2.5 | Subject Matter Specialist | - |  |  |  |  |  |
| 2.6 | Subject Matter Specialist | - |  |  |  |  |  |
| 2.7 | Subject Matter Specialist | - |  |  |  |  |  |
| 2.8 | Programme Assistant | Sh. S. S. Jamwal | Hort | 9300-34800 | 4200 | 14-08-2008 | Permanent  Pursuing Ph.d |
| 2.9 | Computer Programmer | Sh. Mohd. Qasim | Computers | 9300-34800 | 4200 | 03-06-2013 | Permanent |
| 2.10 | Farm Manager | Sh. Mushtaq Guroo | M.Sc. Ento | 9300-34800 | 4200 | 03-07-2012 | Permanent  Pursuing Ph.d |
| 2.11 | Accountant/Superintendent | Smt Anita Saproo | - | 9300-34800 | 5400 | 18.12.  2017 | Permanent  attached |
| 2.12 | Stenographer | Sh. Sahil Talgotra | B.Sc computers | 9300-34800 | 4200 | 30-12-2012 | Permanent |
| 2.13 | Driver 1 | Sh. Mohd. Aslam | - | 5200-20200 | 2000 | 19-08-2010 | Permanent |
| 2.14 | Driver 2 | Sh. Jagroop Singh | - | 9300-34800 | 4600 | 27.07.  2017 | Permanent  attached |
| 2.15 | Supporting staff 1 | - |  |  |  |  | Permanent |
| 2.16 | Supporting staff 2 | Sh. Kewal Kishore |  | 5200-20200 | 1800 | 01-08-2010 | Permanent |

**3. Details of SAC meeting conducted during 2017-18**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.**  **No** | **Date** | **Major recommendations** | **Status of action taken in brief** | **Tentative date of SAC meeting proposed during 2018-19** |
| 3.1 | 24.03.2018 | 1. include trainings on canopy management (Training & Pruning) and budding and grafting 2. training/awareness programmes on citrus cultivation at Mendher, Tehsil of district Poonch 3. phosphorus rich supplements should be provided in the deficient areas. 4. Identification of reasons for phosphorus deficiencies and measures to overcome the deficiency. 5. Incorporate need based farmer training programmes on animal sciences, special emphasizes on hygienic slaughter houses and Mastitis 6. popularization of Mastitis kit to protect the animal tits infection. 7. Training on fish breeding to be organized in collaboration with the Department of Fisheries. Assistant Director Fisheries 8. involve HoDs of the concerned divisions for developing action plan to make it more vibrant. 9. Display the members of Scientific Advisory Committee (SAC) and registered farmers on KVK, Website. | * (1-2)   Trainings have been included in action plan   * FLD on multi nutrient UMMB Blocks for 50 farmers included * Analysis of phosphorus deficiency areas will be conducted in collaboration with Deptt of AH, Poonch * Training programmes in collaboration with F.V.Sc. and same have been included in Action plan * Mastitis kit will be promoted * training programmes on fisheries included in action plan * Action plan was discussed in presence of HODs on 28.03.2018 * Scientific Member committee will be displayed in KVK website | * January 2019 |

**4. Capacity Building of KVK Staff**

**4.1. Plan of Human Resource Development of KVK personnel**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No** | **New Areas of Training** | **Institution proposed to attend** | **Justification** |
| 4.1.1 | Bio Control Agents production | NIPHM, Hyderabad | Production of low cost bio control agents |
| 4.1.2 | MDP | Manage | To update knowledge and skills |
| 4.1.3 | Advanced learning on Horticulture | Bangalore | Improving knowledge and skills |
| 4.1.4 |  |  |  |

**4.2. Cross-learning across KVKs**

|  |  |  |
| --- | --- | --- |
| **S. No** | **Name of the KVK proposed** | **Specific learning areas** |
| **4.2.1** | Within ring – Kathua, Srinagar, Jammu | Paddy-Wheat system, mushroom, fruit nursery |
| **4.2.2** | Within the zone – Ludhiana, CITH, IARI, Katrian | Resource conservation, Horticulture, Vegetables |
| **4.2.3** | Outside zone – Baramati, Thrissur | Entrepreneurship development, |

**5. Proposed cluster of KVKs (3 to 5 neighboring KVKs) to be formed for sharing knowledge/expertise, resources and activities**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Name of the KVKs included in the cluster** | **What do you intend to share with Cluster KVKs** | **What do you expect from Cluster KVKs** |
| 5.1 | KVK Jullundur | Crop Production Expertise / Expertise of SMS’s | New technologies |
| 5.2 | KVK Jammu | Evaluation of varities / Expertise of SMS’s | Vermicompost technology |
| 5.3 | KVK Kathua | Pecanut, Apple and walnut Planting material | Mushroom production techniques |
| 5.4 | KVK Rajouri | Propagation techniques | Apiculture |
| 5.5 | CITH | Pecanut, | Quality planting material, Polyhouse |

**6. Operational areas details proposed**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.No. | Major crops & enterprises being practiced in cluster villages | Prioritized problems in these crops/ enterprise | Extent of area (Ha/No.) affected by the problem in the district | Names of Cluster Villages identified for intervention | Proposed Intervention (OFT, FLD, Training, extension activity etc.)\* |
| 6.1 | Maize+Rajmash under mixed cropping | Anthracnose, Cutworm | 100 ha | Sib, loran, Balakote | OFT, FLD and Farmers trainings |
| 6.2 | Maize | Turcicum Blight | 300 ha | Degwar, Kosalliyan, Ajote | OFT and Farmers trainings |
| 6.3 | Non adoption of SCH in remote areas | 40 percent | Darra Dullian, Jhallas, Salotri  Loran, Palera, Sib | FLD ‘s, Trainings, field days |
| 6.4 | Wheat | Low yield due to non-availability of location specific and HY varieties | 50 per cent | Degwar, Ajote Jhullas, Mangnar  Loran, Palera, Sib | FLD and Trainings |
| 6.5 | Rajmash | Lack of knowledge | 98 per cent | Bandi chechian, Shahpur, Loran, Darra Dullian Palera, Balakot | FLD and Training |
| 6.6 | Fodder | Low fodder production &  Lesser availability during winters, Use of wheat as fodder | 70 per cent | Degwar, Ajote, Gulpur  Darra Dullian, Jhallas, Mangnar, Salotri  Loran, Palera, Sib | FLD and Training |
| 6.7 | Mushroom | -Lack of awareness about potential mushroom cultivation in the area  -Lack of knowledge about sources of spawn | 80 per cent | Poonch Block | Trainings to Rural Youth |
| 6.8 | Apple | Low quality and yield due to Imbalanced fertilization | 90 per cent | Raj Pura, Jalian, Mandi  Azmabad, Loran Sabzian | OFTs |
| 6.9 | Plum | Low quality and yield due to Imbalanced fertilization | 70 per cent | Raj Pura, Jalian, Mandi  Dingla, Bhainch, Kalai | OFTs |

\* Support with problem-cause and interventions diagram

**7. Technology Assessment during 2018-19**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Crop/ enterprise** | **Prioritized problem** | **Title of intervention** | **Technology options** | **Source of Technology** | **Name of critical input** | **Qty per trial** | **Cost per trial** | **No. of trials** | **Total cost for the**  **intervention (Rs.)** | **Parameters to be studied** | **Team members** |
| 7.1 | Maize+ rajmash | **Low yield due to poor disease management** | Management of Anthracnose in Rajmash | T1:Farmer’s practice (No Chemical)  2 T2: Seed treatment with Carbendazim @ 2.5 gm/kg + Spray of Carbendazim @ 0.5 gm/l  3 T3:Seed reatment with Carbendazim @ 2.5 gm/kg + Spray of Mancozeb @ 3 gm/l | (Directorate of Pulses development, Bhopal) | fungicide | 20g bavistin  +100g mancozeb | 200 | 05 | 1000 | Disease Incidence & Crop Yield | Dr Muneeshwar Sharma |
| 7.2 | Maize | Low yield due to poor disease management | **Management Turcicum leaf blight in Maize** | **T1** Farmer’s practice (No Chemical)  **T2** Spray of Mancozeb @ 2.5 gm/l  **T3** Spray of Propiconazole @ 1 ml/l | (Technology POP CSHPKV Palampur)  ) |  | 90gm mancozeb+20ml | 200 | 05 | 100 | Disease Incidence & Crop Yield | Dr Muneeshwar Sharma |
| 7.3 | Apple | Low quality and yield due to Imbalanced fertilization | **Integrated Nutrient Management in Apple (12 years of age)** | **T1** Farmers Practice (Full dose of N +10-15 kg FYM)  **T2** Urea (735g/tree), DAP (450g/tree), MOP (1050g/ tree)  **T3** Intervention (NP50% +VC30% + FYM20% and K75%+VC 15%+FYM10%) | (Dr.YSPUHF-Solan-H.P) | fertilizer | 14 kg (Urea + DAP+MOP)  (3.7+2.3+8.0) | 500 | 05 | 2500 | Avg yield (kg/tree)  Fruit size  Fruit weight | Dr. Muzaffar Mir |
| 7.4 | Plum | Low quality and yield due to Imbalanced fertilization | **Integrated Nutrient management in Plum (9 years of age)** | FP (Full dose of N + 7-10 kg FYM)  **T2**:Urea (735 g/tree), DAP (280 g/tree), MoP(1080 g/tree).  **T3**: (N50% + VC30% + FYM20%, P25% + VC50% + FYM25% and K75%+VC15%+ FYM10%): | (SKUAST-K) |  | 12.7 kg (Urea + DAP+MOP)  (3.7+1.0+8.0) | 400 | 05 | 2000 | Avg yield (kg/tree)  Fruit size  Fruit weight | Dr. Muzaffar Mir |

## 8. Technology Refinement during 2018-19

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Crop/ enterprise** | **Prioritized problem** | **Title of intervention** | **Technology options** | **Source of Technology** | **Name of critical input** | **Qty per trial** | **Cost per trial** | **No. of trials** | **Total cost for the**  **intervention (Rs.)** | **Parameters to be studied** | **Team members** |
| 8.1 |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 8.2 |  |  |  |  |  |  |  |  |  |  |  |  |
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| 8.3 |  |  |  |  |  |  |  |  |  |  |  |  |
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**9. Frontline Demonstrations during 2018-19**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Category** | **Crop/ enterprise** | **Prioritized problem** | **Technology to be demonstrated** | **Specify Hybrid or Variety** | **Name of the Hybrid or Variety** | **Source of Technology** | **Name of critical input** | **Qty per Demo** | **Cost per Demo** | **No. of Demo** | **Total cost for the**  **Demo (Rs.)** | **Parameters to be studied** | **Team members** |
| 9.1 | Cereals | maize |  | Promotion of hybrids | Pro Agro 4794 | Pro Agro 4794 | Pro Agro | Seed | 5kg | 705 | 60 | 42300 | * Plant stand * No of cobs   Grain yield | Dr. Ajay  Gupta |
|  |  |  |  |  | Double deklab | Double deklab | Monsanto | seed | 5kg | 705 | 60 | 42300 |
|  |  | Wheat | Non availabiltiy of location specific and HY variety | Promotion of improved variety | WH  1105/  VL 907 | WH  1105/  VL 907 | IARI | seed | 20kg | 700 | 35 | 24500 | yield | Dr. Ajay  Gupta |
| 9.2 | Millets |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.3 | Oilseeds |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.4 | Pulses | Rajmash | Disappearance from intercropping system | Reintroduction in maize crop as intercrop | BR 104 | BR 104 | SKUAST-J RHRSS Bhaderwah | seed | 500gm | 110 | 100 | 11000 | Yield in intercrpooing | Dr. Ajay  Gupta |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.5 | Commercial crops |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | **Crop/ enterprise** | **Prioritized problem** | **Technology to be demonstrated** | **Specify Hybrid or Variety** | **Name of the Hybrid or Variety** | **Source of Technology** | **Name of critical input** | **Qty per Demo** | **Cost per Demo** | **No. of Demo** | **Total cost for the**  **Demo (Rs.)** | **Parameters to be studied** | **Team members** |
| 9.6 | Horticultural crops | Apple |  | QPM | Variety | Star crimson  Super bearing varieities | SKUAST-J/CITH | Planting material | 50 | 2500 | 05 | 12500 | Planting material | Dr Muzaffar Mir |
|  |  | Plum |  | QPM | Variety | Santa rosa | CITH | Planting material | 100 | 4000 | 05 | 20000 | Planting material | Dr Muzaffar Mir |
| 9.7 | Livestock | Oats | Fodder scarcity | Promotion of improved variety Oats | Kent/sabzaar | Kent/sabzaar | SKUAST-K | seed | 20 kg | 1100 | 60 | 66000 | Green fodder yield | Dr. Ajay  Gupta |
|  |  | Livestock | Phosphorus and mineral deficiency | Multinutrient blocks | UMMB Blocks |  | SKUAST-J | UMMB Block | 25 kg |  | 50 | 30000 | Deficiency symptoms | Dr. Ajay Gupta  Dr Muzaffar Mir |
|  |  |  |  | Mastitis kit |  |  | SKUAST-J |  | 01 | 160 | 100 | 16000 | Mastitis problem | PC and SMS |
| 9.8 | Fisheries |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.9 | Others | Garlic | Low yield | Improved variety | variety | Agrifound parvati G313 | SKUAST-J | seed | 2.5 kg | 300 | 05 | 1500 | Bulb weight  Yiekd per ha | Dr Muzaffar Mir |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**10 Training for Farmers/ Farm Women during 2018-19**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Thematic area** | **Crop / Enterprise** | **Major problem** | **Linked field intervention (Assessment/Refinement/FLD)\*** | **Training Course Title\*\*** | **No. of Courses** | **Expected No. of participants** | **Names of the team members involved** |
| **10.1** | Crop Production | rajmash |  | Promotion of BR 104 rajmash under Poonch conditions  (FLD) | Importance of pulses in improving fertility and income | 01 | **20** | Dr. Ajay |
|  |  | Maize | Low yield | Promotion of maize hybrids (FLD) | Production techniques of Maize | 01 | 20 |
|  |  | Sorghum | Availability of fodder | Demonstration plot at KVK Farm | Production techniques of Kharif fodder crops (Sorghum) | 01 | 20 | **-do-** |
|  |  | maize | Kharif weeds | - | Weed management in kharif crops | 01 | 20 | **-do-** |
|  |  | Wheat |  | Promotion of improved variety (FLD) | Seed production in wheat | 01 | 20 | **-do-** |
|  |  | Oats | Mono cropping  Fodder scarcity | Promotion of Oats  (FLD) | Agronomic practices for increasing rabi fodder yield | 01 | 20 | **-do-** |
|  |  | Wheat  oats | Rabi weeds | - | Weed management in rabi crops | 01 | 20 | **-do-** |
|  |  | Rabi crops | Low fertility | Demo | Importance of Vermicompost | 01 | 20 | **-do-** |
|  |  | cereals | Lack of knowledge of CSS | - | Centrally sponsored schemes for the benefit of farmers | 01 | 20 | **-do-** |
| **10.2** | Horticulture Production | vegetables |  | Nursery raising protrays | Nursery management in summer vegetables | 02 | 40 | Dr Muzaffar Mir |
|  |  | fruit crops | Poor canopy management | Method demo/Vocational trg | Propagation techniques (Budding) in fruit crops | 01 | 20 |
|  |  | vegetables |  | Nursery raising protrays | Scientific cultivation of winter vegetables. | 01 | 20 | **-do-** |
|  |  | vegetables | Lack of knowledge | - | Protected cultivation of vegetables | 01 | 20 | **-do-** |
|  |  | Fruit plants | Poor canopy management | Method demo | Canopy management (Training and Pruning) of Fruit plants | 03 | 60 | **-do-** |
|  |  |  |  | Method demo | Propagation techniques (Grafting) in fruit crops | 01 | 20 | **-do-** |
|  |  | Apple | Lack of knowledge | Method demo at farmers field | High Density planting (HDP) in apple | 01 | 20 | **-do-** |
|  |  |  |  | **-** | Pollination and its importance in fruit set | 01 | 20 | **-do-** |
| **10.3** | Livestock Production |  |  |  |  |  |  | **-do-** |
|  |  |  |  |  |  |  |  | **-do-** |
| **10.4** | Home Science |  |  |  |  |  |  | **-do-** |
|  |  | **Crop / Enterprise** | **Major problem** |  |  |  |  | **-do-** |
| **10.5** | Plant Protection | All crops | Stored grain pests |  | Management of Stored Grain Pests | 02 | 40 | Dr Muneeshwar |
|  |  | All crops | Lack of awareness | Demo on safety parameters | Safety concerns during use of Pesticides in Agriculture. | 01 | 20 | **-do-** |
|  |  | *Kharif* crops | Seed borne disease | Seed treatment awareness camp | Seed treatment for effective control of seed and soil borne diseases. | 02 | 40 | **-do-** |
|  |  | Maize & Rajmash | diseases | Management of Anthracnose in Rajmash (OFT) | IPM/IDM in Maize & Rajmash under mixed cropping | 01 | 20 | **-do-** |
|  |  | Paddy | Insect and disease | **-** | IPM/IDM in Paddy nursery. | 01 | 20 | **-do-** |
|  |  | chillies | Wilt | **-** | Wilt Management in chillies. | 01 | 20 | **-do-** |
|  |  | Tomato | Insect and disease | **-** | IPM/IDM in Tomato | 01 | 20 | **-do-** |
|  |  | Wheat | Insect and disease | **-** | IPM/IDM in Wheat Crop | 01 | 20 | **-do-** |
|  |  | Apple | Insect and disease | **-** | IPM/IDM in Apple. | 01 | 20 | **-do-** |
|  |  | Peacanut | Insect |  | IPM in Pecan nut | 02 | 40 | **-do-** |
| **10.6** | Production of Inputs at Site |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **10.7** | Soil Health and Fertility |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **10.8** | PHT and value addition |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **10.9** | Capacity Building Group Dynamics |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **10.10** | Farm Mechanization |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **10.11** | Fisheries Production Technologies | Fish breeding |  | Breeding problems | Training on fish breeding | 01 | 20 | Collabo rateive |
|  |  |  |  |  |  |  |  |  |
| **10.12** | Mushroom production |  |  |  |  |  |  |  |
| **10.13** | Agro forestry |  |  |  |  |  |  |  |
| **10.14** | Bee Keeping |  |  |  |  |  |  |  |
| **10.15** | Sericulture |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  | **Others, pl. specify** | Animal science |  | Mastitis kit | Mastitis problem and its prevention and control | 01 | 20 | **F.V.Sc** |
|  |  | Animal Sciennce |  |  | Hygienic meat production | 01 | 20 | **F.V.Sc** |

\* Title of intervention/title of technology, \*\* Training title should specify the major technology/skill to be transferred.

**11. Training for Rural Youth during 2018-19**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Thematic area** | **Crop / Enterprise** | **Major problem** | **Linked field intervention (Assessment/Refinement/FLD)\*** | **Training Course Title\*\*** | **No. of Courses** | **Expected No. of participants** | **Names of the team members involved** |
| 11.1 | Crop Production |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 11.2 | Horticulture Production |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 11.3 | Livestock Production |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 11.4 | Home Science |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 11.5 | Plant Protection |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 11.6 | Production of Inputs at Site |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 11.7 | Soil Health and Fertility |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 11.8 | PHT and value addition |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 11.9 | Capacity Building Group Dynamics |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 11.10 | Farm Mechanization |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 11.11 | Fisheries Production Technologies |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 11.12 | Mushroom production |  |  |  |  |  |  |  |
| 11.13 | Agro forestry |  |  |  |  |  |  |  |
| 11.14 | Bee Keeping |  |  |  |  |  |  |  |
| 11.15 | Sericulture |  |  |  |  |  |  |  |
|  | **Others, pl. specify** | Computers |  | - | Basic Computer Training | **01** | **30** | Sh. Mohd Qasim  Dr. Ajay Gupta |
|  |  |  |  | - | ICT in Agriculture | **01** | **30** |

\* Title of intervention/title of technology, \*\* Training title should specify the major technology/skill to be transferred.

### 12 Trainings for Extension Personnel during 2018-19

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Thematic area** | **Training Course Title\*\*** | **No. of Courses** | **Expected No. of participants** | **Names of the team members involved** |
| **12.1** | Crop Production | Chemical weed control in field crops | 01 | 20 | Dr. Ajay |
|  |  | Resource conservation technologies | 01 | 20 | -do- |
| **12.2** | Home Science |  |  |  |  |
|  |  |  |  |  |  |
| **12.3** | Capacity Building and Group Dynamics |  |  |  |  |
|  |  |  |  |  |  |
| **12.4** | Horticulture | Canopy management (Training and Pruning) of Fruit plants | 01 | 20 | Dr Muzaffar Mir |
|  |  | High Density Planting in fruit crops( with special reference to apple) | 01 | 20 | -do- |
|  |  | Protected cultivation of vegetables | 01 | 20 | -do- |
| **12.5** | Livestock Production & Management |  |  |  |  |
|  |  |  |  |  |  |
| **12.6** | Plant Protection | Safety parameters in insecticide usage | 01 | 20 | Dr. Muneeshwar  Dr. Ajay |
|  |  | Use of Biocontrol agents for disease and pest control. | 01 | 20 | -do- |
|  |  |  |  |  |  |
| **12.7** | Farm Mechanization |  |  |  |  |
|  |  |  |  |  |  |
| **12.8** | PHT and value addition |  |  |  |  |
|  |  |  |  |  |  |
| **12.9** | Production of Inputs at Site |  |  |  |  |
|  |  |  |  |  |  |
| **12.10** | Sericulture |  |  |  |  |
|  |  |  |  |  |  |
| **12.11** | Fisheries |  |  |  |  |

\* Title of intervention/title of technology, \*\* Training title should specify the major technology/skill to be transferred.

## 13 Vocational trainings during 2018-19

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Thematic area and the Crop/Enterprise** | **Training title\*** | **No. of programmes and Duration (days)** | **Type of Clientele**  **(SHGs, NYKs, School students, Women, Youth etc.)** | **Expected No. of participants** | **Sponsoring agency if any** | **Names of the team members involved** |
| 13.1 | Crop Production |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 13.2 | Home Science | Cutting and tailoring | 15 days | Women youth | 20 | - | outsourcing |
|  |  |  |  |  |  |  |  |
| 13.3 | Capacity Building and Group Dynamics |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 13.4 | Horticulture | Propagation Techniques (grafting) in fruit plants | 08 days | Rural youth and Farmers | 15 | - | Muzaffar Mir Dr. Ajay. |
|  |  |  |  |  |  |  |  |
| 13.5 | Livestock Production & Management |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 13.6 | Plant Protection | Mushroom Production Techniques | 15 Days | NYKs, Rural youth and Farmers | 20 |  | Dr. Ajay  Dr. Muneeshwar  Dr Muzaffar Mir |
|  |  |  |  |  |  |  |  |
| 13.7 | Farm Mechanization |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 13.8 | PHT and value addition | Value added products of fruits and vegetables. | 07 days | Rural youth and Farmers | 15 |  | Muzaffar Mir Dr. Ajay. |
|  |  |  |  |  |  |  |  |
| 13.9 | Production of Inputs at Site |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 13.10 | Sericulture |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 13.11 | Fisheries |  |  |  |  |  |  |

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

## 14 Sponsored trainings during 2018-19

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Thematic area and the Crop/Enterprise** | **Training title\*** | **No. of programmes and Duration (days)** | **Type of Clientele**  **(SHGs, NYKs, School students, Women, Youth etc.)** | **Expected No. of participants** | **Sponsoring agency** | **Names of the team members involved** |
| 14.1 | Crop Production |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 14.2 | Home Science |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 14.3 | Capacity Building and Group Dynamics |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 14.4 | Horticulture |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 14.5 | Livestock Production & Management |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 14.6 | Plant Protection |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 14.7 | Farm Mechanization |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 14.8 | PHT and value addition |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 14.9 | Production of Inputs at Site |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 14.10 | Sericulture |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 14.11 | Fisheries |  |  |  |  |  |  |

\* Programme title should specify the major technologies/skills to be transferred /refreshed.

## 15. Extension programmes during

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Extension programme\*** | **No. of programmes or activities** | **Expected No. of participants** | **Names of the team members involved** |
| 15.1 | Advisory Services | 20 | 20000 | Dr. Ajay  Dr. Muneeshwar  Dr Muzaffar Mir |
| 15.2 | Diagnostic visits | 30 | 100 |
| 15.3 | Field Day | 04 | 100 |
| 15.4 | Group discussions |  |  |  |
| 15.5 | Kisan Ghosthi | 02 |  |  |
| 15.6 | Film Show | 06 | 150 |  |
| 15.7 | Self -help groups |  |  |  |
| 15.8 | Kisan Mela | 01 | 200 |  |
| 15.9 | Exhibition | 04 | 2000 |  |
| 15.10 | Scientists' visit to farmers field | 40 |  |  |
| 15.11 | Plant/Soil health/Animal health camps | 02 | 300 |  |
| 15.12 | Farm Science Club | - |  |  |
| 15.13 | Ex-trainees Sammelan | - |  |  |
| 15.14 | Farmers' seminar/workshop |  |  |  |
| 15.15 | Method Demonstrations |  |  |  |
| 15.16 | Celebration of important days | 04 | 120 |  |
| 15.17 | Special day celebration |  |  |  |
| 15.18 | Exposure visits | 01 | 30 |  |
| 15.19 | Technology week, | 01 | 120 |  |
| 15.20 | FFS |  |  |  |
| 15.21 | Farm innovators meet |  |  |  |
| 15.22 | Awareness programs | 04 | 200 |  |
|  | Others, pl. specify |  |  |  |

## 16. Activities proposed as Knowledge and Resource Centre during 2018-19

**16.1 Technological knowledge**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Category** | **Details of technologies** | **Area (ha)/**  **Number** | **Names of the team members involved** |
| 16.1.1 | Technology Park/ Crop cafeteria | Scientific cultivation of cereals, vegetables & fodder crops | 0.2 ha in *kharif* and rabIi | Dr. Ajay Gupta  Dr. Muneeshwar Sharma  Dr. Muzaffar Mir |
| 16.1.2 | Demonstration Units | Mushroom , Hi-Tech Polyhouse, Vermicomposting | 1.0 ha | -do- |
| 16.1.3 | Lab Analytical services |  |  |  |
| 16.1.4 | Technology Week | Parthenium management | 10.0 ha in villages | -do- |

**16.2 Technological Products**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Category** | **Name of the product** | **Quantity (Qtl.)/ Number planned to be produced during 2018-19** | **Names of the team members involved** |
| 16.2.1 | Seeds | Oats | 12.0 | Dr. Ajay Gupta  Dr. Muneeshwar Sharma |
|  |  |  |  |  |
| 16.2.2 | Planting materials | Apple  Walnut  Peacanut  Apricot | 6700 | Dr. Muzaffar Mir  Farm manager |
|  |  |  |  |  |
| 16.2.3 | Bio-products |  |  |  |
|  |  |  |  |  |
| 16.2.4 | Livestock strains |  |  |  |
|  |  |  |  |  |
| 16.2.5 | Fish fingerlings |  |  |  |
|  |  |  |  |  |

**16.3 Technological Information**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Category** | **Technological capsules / Number** | **Names of the team members involved** |
| 16.3.1 | Technology backstopping to line departments |  |  |
|  | Agriculture | 1. IPM/IDM of Common Vegetables in Poonch 2. Stored grain pests 3. IPM/IDM in cerelas 4. IPM/IDM in vegetables 5. Seed treatment 6. Weed management in kharif 7. Weed management in rabi crops | Dr. Ajay Gupta  Dr. Muneeshwar Sharma  Dr. Muzaffar Mir |
|  | Horticulture | 1. High density planting 2. Canopy management 3. Importance of pollinators in fruit set | -do- |
|  | Animal Husbandry |  |  |
|  | Fisheries |  |  |
|  | Agricultural Engineering |  |  |
|  | Sericulture |  |  |
|  | Others, pl. specify | 1. Weather advisory |  |
| 16.3.2 | Literature/publication | 04 |  |
| 16.3.4 | Electronic Media |  |  |
| 16.3.5 | Kisan Mobile Advisory Services |  |  |
| 16.3.6 | Information on centre/state sector schemes and service providers in the district. | Pocket Diary- “ Ongoing Central & State Govt. Schemes for Farmers in J&K” | Dr. Ajay Gupta & Dr. Muneeshwar Sharma |

## 17. Additional Activities Planned during 2018-19

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Name of the agency / scheme** | **Name of activity** | **Technical programme with quantification** | **Financial outlay (Rs.)** | **Names of the team members involved** |
| 17.1 | ICAR (Tribal Sub Plan) | Ensuring Livelihood Security Through Agro Techniques in Budhal block of Rajouri | Capacity building of Tribal Population through Trainings, Demonstration and New Interventions | 44.77 Lakhs  (for current year) | Dr. Ajay Gupta, Dr. Muzaffar Mir & Dr. Muneeshwar Sharma |

**18. Revolving Fund**

**18.1 Financial status**

|  |  |  |  |
| --- | --- | --- | --- |
| **Opening balance as on 01.04.2017**  **(Rs.in Lakh)** | **Expenditure incurred during 2017-18**  **(Rs.in Lakh)** | **Receipts during**  **2017-18**  **(Rs.in Lakh)** | **Closing balance as on 31.03.2018**  **(Rs.in Lakh)** |
| 624337 | 67276 | 302440 | 899418 |

**18.2 Plan of activities under Revolving Fund**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No.** | **Proposed activities** | **Expected output** | **Anticipated income (Rs.)** | **Names of the team members involved** |
| 18.2.1 | Seed / fodder production | 12.0 | 80,000 | Dr. Ajay Gupta |
| 18.2.2 | Fruit nursery/planting material | 6700 plants | 70,000 | Dr. Muzaffar Mir |
|  |  |  |  |  |

## 19. Activities of soil, water and plant testing laboratory during 2018-19

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.No.** | **Type** | **No. of samples to be analyzed** | **Names of the team members involved** |
| 19.1 | Soil | **-** | **-** |
| 19.2 | Water | **-** | **-** |
| 19.3 | Plant | **-** | **-** |
| 19.4 | Others | **-** | **-** |

## 20. E-linkage during 2018-19

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No** | **Nature of activities** | **Likely period of completion (please set the time frame)** | **Remarks if any** |
| 20.1 | Title of the technology module to be prepared |  |  |
| 20.2 | Creation and maintenance of relevant database system for KVK |  |  |
| 20.3 | Any other (Please specify) |  |  |
| 20.4 |  |  |  |

**21. Activities planned under Rainwater Harvesting Scheme (only to those KVKs which are already having scheme under Rain Water Harvesting)**

|  |  |  |
| --- | --- | --- |
| **S. No** | **Activities planned** | **Remarks if any** |
| 21.1 | Existing Rain water harvesting tank behind Administrative building will be lined with LDPE sheet |  |
| 21.2 |  |  |

**22. Innovative Farmer’s Meet**

|  |  |  |
| --- | --- | --- |
| **Sl.No.** | **Particulars** | **Details** |
| 22.1 | Are you planning for conducing Farm Innovators meet in your district? | Yes/ No |
| 22.2 | If Yes likely month of the meet | No |
| 22.3 | Brief action plan in this regard | nil |

**23. Farmer’s Field School planned**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No** | **Thematic area** | **Title of the FFS** | **Budget proposed in Rs.** |
| 23.1 | - | - |  |

**24. Budget - Details of budget utilization (2017-18) up to 31 March 2018 (Rs.)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.**  **No.** | **Particulars** | **Sanctioned** | **Released** | **Expenditure** |
| **24.1** | **Recurring Contingencies** |  |  |  |
| 24.1.1 | **Pay & Allowances** | 64.40 | 64.40 | 64.65 |
| 24.1.2 | **Traveling allowances** | 1.50 | 1.50 | 1.37 |
| 24.1.3 | **Contingencies** | 21.75 | 21.75 | 16.36 |
| *24.1.4.1* | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance |  |  |  |
| *B* | POL, repair of vehicles, tractor and equipments |  |  |  |
| *C* | Meals/refreshment for trainees |  |  |  |
| *D* | Training material |  |  |  |
| *E* | Frontline demonstration except oilseeds and pulses |  |  |  |
| *F* | On farm testing |  |  |  |
| *G* | Training of extension functionaries |  |  |  |
| *H* | Maintenance of buildings |  |  |  |
| *I* | Establishment of Soil, Plant & Water Testing Laboratory |  |  |  |
| *J* | Library | 0.20 | 0.20 |  |
| **24.1** | **Total Recurring** |  |  |  |
| **24.2** | **Non-Recurring Contingencies** |  |  |  |
| 24.2.1 | **Works** |  |  |  |
| 24.2.2 | **Equipment’s including SWTL & Furniture** |  |  |  |
| 24.2.3 | **Vehicle** (Four wheeler/Two wheeler, please specify) |  |  |  |
| 24.2.4 | **Library** |  |  |  |
| **24.2** | **Total Non Recurring** |  |  |  |
| **24.3** | **REVOLVING FUND** |  |  |  |
| **24.4** | **GRAND TOTAL (A+B+C)** | 87.85 | 87.85 | 82.38 |

**25. Details of Budget Estimate (2018-19) based on proposed action plan**

|  |  |  |
| --- | --- | --- |
| **S.**  **No.** | **Particulars** | **BE 2018-19 proposed (Rs.)** |
| **25.1** | **Recurring Contingencies** |  |
| 25.1.1 | **Pay & Allowances** | **145.0** |
| 25.1.2 | **Traveling allowances** | **2.0** |
| 25.1.3 | **Contingencies** | **12.0** |
| *A* | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) |  |
| *B* | POL, repair of vehicles, tractor and equipments |  |
| *C* | Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained) |  |
| *D* | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) |  |
| *E* | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) |  |
| *F* | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) |  |
| *G* | Training of extension functionaries |  |
| *H* | Maintenance of buildings |  |
| *I* | Establishment of Soil, Plant & Water Testing Laboratory |  |
| *J* | Library |  |
| *25.1* | **TOTAL Recurring Contingencies** |  |
| **25.2** | **Non-Recurring Contingencies** | **1.0** |
| 25.2.1 | **Works** | **1.0** |
| 25.2.2 | **Equipment’s including SWTL & Furniture** | **1.0** |
| 25.2.3 | **Vehicle** (Four wheeler/Two wheeler, please specify) |  |
| 25.2.4 | **Library** (Purchase of assets like books & journals) |  |
| **25.2** | **TOTAL Non-Recurring Contingencies** |  |
| **25.3** | **REVOLVING FUND** |  |
| **25.4** | **GRAND TOTAL** | **162.0** |