**PROFORMA FOR PREPARATION OF ANNUAL REPORT (January-2019-to-December-2019)**

# APR SUMMARY

(Note: While preparing summary, please don't add or delete any row or columns)

## 1. Training Programmes

| Clientele | No. of Courses | Male | Female | Total participants |
|---|---|---|---|---|
| Farmers & farm women | 40 | 800 | 00 | 800 |
| Rural youths | 06 | 60 | 00 | 60 |
| Extension functionaries | 13 | 130 | 00 | 130 |
| Sponsored Training | 15 | 1554 | 00 | 1554 |
| Vocational Training | 07 | 150 | 00 | 150 |
| **Total** | 81 | 2694 | 00 | 2694 |

## 2. Frontline demonstrations

| Enterprise | No. of Farmers | Area (ha) | Units/Animals |
|---|---|---|---|
| Oilseeds | | | |
| Pulses | | | |
| Cereals | 229 | 94.4 | - |
| Vegetables | 10 | 2 | - |
| Other crops | | | |
| Hybrid crops | | | |
| **Total** | 239 | 96.4 | |
| Livestock & Fisheries | | | |
| Other enterprises | | | |
| **Total** | | | |
| **Grand Total** | 239 | 96.4 | - |

## 3. Technology Assessment & Refinement

| Category | No. of Technology Assessed & Refined | No. of Trials | No. of Farmers |
|---|---|---|---|
| **Technology Assessed** | | | |
| Crops | 5 | 10 | 24 |
| Livestock | | | |
| Various enterprises | | | |
| **Total** | 5 | 10 | 24 |
| **Technology Refined** | | | |
| Crops | | | |
| Livestock | | | |
| Various enterprises | | | |
| **Total** | | | |
| **Grand Total** | 5 | 10 | 24 |

## 4. Extension Programmes

| Category | No. of Programmes | Total Participants |
|---|---|---|
| Extension activities | 1364 | 9896 |
| Other extension activities | 47 | - |
| **Total** | 1411 | 9896 |

**5. Mobile Advisory Services**

| Name of KVK | Message Type | Type of Messages | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Crop | Livestock | Weather | Marke-ting | Aware-ness | Other enterprise | Total |
| | Text only | 42 | | | | | | 42 |
| | Voice only | 1220 | | 26 | | 20 | | 1286 |
| | Voice & Text both | | | | | | | |
| | **Total Messages** | **1262** | | **26** | | **20** | | **1328** |
| | **Total farmers Benefitted** | **1262** | | **26** | | **20** | | **1328** |

**6. Seed & Planting Material Production**

| | Quintal/Number | Value Rs. |
|---|---|---|
| Seed (q) | 225 | 399375.00 |
| Planting material (No.) | 6150 | 1680.00 |
| Bio-Products (kg) | - | - |
| Livestock Production (No.) | - | - |
| Fishery production (No.) | - | - |

**7. Soil, water & plant Analysis**

| Samples | No. of Beneficiaries | Value Rs. |
|---|---|---|
| Soil | - | |
| Water | - | |
| Plant | - | |
| **Total** | **-** | |

**8. HRD and Publications**

| Sr. No. | Category | Number |
|---|---|---|
| 1 | Workshops | 02 |
| 2 | Conferences | 02 |
| 3 | Meetings | 18 |
| 4 | Trainings for KVK officials | 04 |
| 5 | Visits of KVK officials | - |
| 6 | Book published | - |
| 7 | Training Manual | - |
| 8 | Book chapters | 05 |
| 9 | Research papers | 04 |
| 10 | Lead papers | - |
| 11 | Seminar papers | - |
| 12 | Extension folder | - |
| 13 | Proceedings | 01 |
| 14 | Award & recognition | 01 |
| 15 | On going research projects | - |

**DETAIL REPORT OF January 2019- December 2019**

## 1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

| Address | Telephone | | E mail |
|---|---|---|---|
| | Office | FAX | |
| KRISHI VIGYAN KENDRA**, SHAMLI, DISTT.- SHAMLI (U.P.)** | 9411448594 | - | kvkshamli@gmail.com |

1.2 .Name and address of host organization with phone, fax and e-mail

| Address | Telephone | | E mail |
|---|---|---|---|
| | Office | FAX | |
| ***DIRECTORATE OF EXTENSION*** S.V.P.Univ. of Agril. & Tech., Meerut. | 0121-2888511 | 0121-2888505 2888540 | deesvpuat2014@gmail.com |

1.3. Name of the Programme Coordinator with phone & mobile No

| Name | Telephone / Contact | | |
|---|---|---|---|
| | Residence | Mobile | Email |
| Dr.Satish Kumar | | | **kvkshamli@gmail.com** |

1.4. Year of sanction: 2018

1.5. Staff Position (as on 30th January, 2019)

| Sl. No. | Sanctioned post | Name of the incumbent | Design-ation | Discip-line | Pay Scale (Rs.) | Present basic (Rs.) | Date of joining | Perman-ent /Temp-orary | Category (SC/ST/ OBC/ Others) | Mobile no. | Age | Email id |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Programme Coordinator | Dr.satish kumar | Head | Extension | 37400-67000 | 10000 | 27-12-96 | **Permanent** | OBC | | 56 | |
| 2 | Subject Matter Specialist | Dr.S.P. Singh | SMS | Agronomy | 15600-39100 | 8000 | 11-12-03 | **Permanent** | OBC | | 56 | |
| 3 | Subject Matter Specialist | Dr. Onkar Singh | SMS | Horticulture | 15600-39100 | 8000 | 17-12-03 | **Permanent** | SC | | 50 | |
| 4 | Subject Matter Specialist | Dr. Vikas Kumar | SMS | Plant Breeding | 15600-39100 | 7000 | 26-12-08 | **Permanent** | OBC | | 38 | |
| 5 | Subject Matter Specialist | - | | | | | | | | | | |
| 6 | Subject Matter Specialist | - | | | | | | | | | | |
| 7 | Subject Matter Specialist | - | | | | | | | | | | |
| 8 | Programme Assistant | - | | | | | | | | | | |
| 9 | Computer Programmer | - | | | | | | | | | | |
| 10 | Farm Manager | - | | | | | | | | | | |
| 11 | Accountant / Superintendent | - | | | | | | | | | | |
| 12 | Stenographer | - | | | | | | | | | | |
| 13 | Driver | Sh. Harish Kant | Driver | -- | 5200-20200 | 2800 | 1-1-97 | **Permanent** | GEN | | 45 | |
| 14 | Driver | - | | | | | | | | | | |
| 15 | Supporting staff | ShSatish | Messanger | -- | 4440-7440 | 2400 | 1-1-97 | **Permanent** | GEN | | 50 | |
| 16 | Supporting staff | Neelam | Peon | -- | 4440-7440 | 2400 | 18-3-17 | **Permanent** | GEN | | 40 | |

1.6. Total land with KVK (in ha) :

| S. No. | Item | Area (ha) |
|---|---|---|
| 1 | Under Buildings | Nil |
| 2. | Under Demonstration Units | Nil |
| 3. | Under Crops | 6.100 |
| 4. | Orchard/Agro-forestry | Nil |
| 5. | Others (specify) | 2.447 |

1.7. Infrastructural Development:

A) Buildings

| S. No. | Name of building | Source of funding | Stage | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Complete | | | Incomplete | | |
| | | | Completion Date | Plinth area (Sq.m) | Expenditure (Rs.) | Starting Date | Plinth area (Sq.m) | Status of construction |
| 1. | Administrative Building | Nil | | | | | | |
| 2. | Farmers Hostel | Nil | | | | | | |
| 3. | Staff Quarters (6) | Nil | | | | | | |
| 4. | Demonstration Units (2) | Nil | | | | | | |
| | | | | | | | | |
| 5 | Fencing | ICAR | 31.03.08 | 1000 mtr | 19.21 lac | Incomplete | | |
| 6 | Rain Water harvesting system | Nil | | | | | | |
| 7 | Threshing floor | ICAR | 31.03.08 | 300 sqm | 2.33 lac | | | |
| 8 | Farm godown | nil | | | | | | |

B) Vehicles

| Type of vehicle | Year of purchase | Cost (Rs.) | Total kms. Run | Present status |
|---|---|---|---|---|
| Nil | | | | |

C) Equipments & AV aids

| Name of the equipment | Year of purchase | Cost (Rs.) | Present status |
|---|---|---|---|
| Nil | | | |

1.8. A). Details SAC meeting* conducted in the year

| Sl.No. | Date | Name and Designation of Participants | Salient Recommendations | Action taken |
|---|---|---|---|---|
| 1. | 28.02.19 | Dr.Gopal Singh | Targets regarding Trg., FLD, OFT, Seed and planting material and other extension activity should be fixed as per ICAR norms. | All the targets are fixed as per ICAR norms. |
| 2. | | Sh. Vikas Kumar, PPO | In OFT on IDM and IPM, only recommended pesticides/ fungicides need to be incorporated. | Recommended & recently released pesticides were given to farmers in OFT and demonstrations. |

| | | | | |
|---|---|---|---|---|
| 3 | | Dr.R.K.Naresh | FLD in oilseed and pulses and other than oilseed and pulses need to categorize separately in action plan. | Subject wise FLDs are given in annual action plan. |
| 4 | | Smt.Neeraja Singh, BSA | Farm women empowerment should be focused in trg. program of home science. | Target will be achieved after joining of home Scientist. |
| 5 | | Dr.D.K.Singh, | Trg. should be conducted on dairy management and vocational trg. program. | SMS (Animal Science) is not available at centre. |
| 6 | | Dr.S.Kumar, DDAg. | Linkage with ATMA, RKVY, NHM and other agencies should be more. | Linkage with ATMA, RKVY, NHM and other agencies in all programme |
| 7 | | Dr.S.Kumar, DDAg. | More emphases should be given on Organic farming. | KVK have already conducted 200 demonstration on organic farming by the use of west decomposer. |
| 8 | | Dr.satyaPrakesh | Suggested intercropping with sugarcane of veg. and flower cultivation. | Suggestions has been incorporated in action plan to conducted FLD in coming season |
| 9 | | Sh.Rajnesh Singh, Prograssive Farmer's | Training Programme should be organized before sugarcane planting | Organized Gosthi with collebration of sugar mill before sugarcane planting |

Details Second SAC meeting* conducted in the year

| Sl.No. | Date | Name and Designation of Participants | Salient Recommendations | Action taken |
|---|---|---|---|---|
| 1. | 17.12.19 | Dr.S.K.Sachan, DE | Trg., FLD, OFT, Seed and planting material and other extension activity should be fixed as per ICAR norms. | All the targets are fixed as per ICAR norms. |
| 2. | | Sh. Vikas Kumar, PPO | In FLD,OFT on IDM and IPM, only new recommended pesticides/ fungicides need to be incorporated. | Recommended & recently released pesticides were given to farmers in OFT and demonstrations. |
| 3 | | Smt.Neeraja Singh, BSA | Farm women empowerment should be focused in trg. program of home science. | Target will be achieved after joining of home Scientist. |
| 4 | | Dr.satyaPrakesh | Suggested intercropping with sugarcane of veg. and flower cultivation. | Suggestions has been incorporated in action plan to conducted FLD in coming season |
| 5 | | Sh.Mukash Kumar, Prograssive Farmer's | Training Programme should be organized before Mansoon. | Organized Gosthi with collebration of Horticulture deptt. before planting time. |

## 2. DETAILS OF DISTRICT (2019)

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

| S. No | Farming system/enterprise |
|---|---|
| 1 | ➢ S. Cane based + A.H+ Horticulture |
| 2 | ➢ S. Cane based + A.H+ Horticulture |
| 3 | ➢ S. Cane based + A.H+ Vegetable + Floriculture |
| 4 | ➢ S. Cane based + A.H + Horticulture |

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

| S. No | Agro-climatic Zone | Characteristics |
|---|---|---|
| 1. | AES-1 | More than 85% Area, Sandy Loam Soil |
| 2. | AES-2 | More than 95% irrigated, Loam |
| 3. | AES-3 | More than 95%, Sandy Loam |
| 4. | AES-4 | Low Water table area, Loam & Sandy Loam soil |

2.3 Soil type/s

| S. No | Soil type | Characteristics | | Area in ha |
|---|---|---|---|---|
| | | Soil particle Diameter (mm**)** | Water holding capacity | |
| 1. | Sandy | 2 - 0.2 mm, | Poor | |
| 2. | Sandy loam | 0.2 - 0.02 mm, | Medium | |
| 3. | Loam | 0.02 - 0.002 mm | Average | |
| 4. | Clay loam | >than 0.002 mm | Good | |
| | | **Total** | | |

2.4. Area, Production and Productivity of major crops cultivated in the district

| S. No | Crop | Area (ha) | Production (Qtl) | Productivity (Qtl /ha) |
|---|---|---|---|---|
| 1. | Sugarcane | 61358 | 50880507.92 | 829.24 |
| 2. | Wheat | 49142 | 2086077.90 | 42.45 |
| 3. | Paddy | 8200 | 348500 | 42.50 |
| 4. | Urd | 350 | 2905 | 8.30 |
| 5. | Mung | - | | |
| 6. | Lentil | 89 | 614.10 | 6.90 |
| 7. | Gram | 60 | 651.00 | 10.85 |
| 8. | Pea | 170 | 2340.9 | 13.77 |
| 9. | Pigeon Pea | - | | |
| 10 | Mustard | 951 | 9376.86 | 9.86 |
| 11 | Sunflower | - | | |
| 12 | Potato | 96 | 22080 | 230.00 |
| 13 | Cotton | - | | |
| 14 | Maize | - | | |
| 15 | Arhar | - | | |

2.5. Weather data

| Month | Rainfall (mm) | Temperature $^0$ C | | Relative Humidity (%) |
|---|---|---|---|---|
| | | Maximum | Minimum | |
| - | | | | |

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

| Category | Population | Production | Productivity |
|---|---|---|---|
| **Cattle** | | | |
| *Crossbred* | **86114** | | **6.310** |
| *Indigenous* | **100** | | |
| **Buffalo** | **304719** | | **5.90** |
| **Sheep** | | | |
| Crossbred | **3882** | | **-** |
| *Indigenous* | **-** | | **-** |
| **Goats** | **28049** | | **0.780** |
| **Pigs** | | | |
| *Crossbred* | **10171** | | **40-50 kg per pig** |
| *Indigenous* | **-** | | **-** |
| **Rabbits** | **-** | | |
| **Poultry** | | | |
| Hens | 350000 | | 90% |
| *Desi* | **-** | | |
| *Improved* | **-** | | |
| Ducks | **-** | | |
| Turkey and others | **-** | | |

| Category | Area | Production | Productivity |
|---|---|---|---|
| Fish | | | |
| *Marine* | | | |
| *Inland* | | | |
| Prawn | | | |
| Scampi | | | |
| Shrimp | | | |

2.7 Details of Operational area / Villages (2019)

| Sl. No. | Taluk | Name of the block | Name of the village | Major crops & enterprises | Major problem identified | Identified Thrust Areas |
|---|---|---|---|---|---|---|
| 1 | Shamli | Kairana | Titoli | Sugarcane | Low yield due to imbalance fertilizer | Balance use of fertilizer |
| | | | | Wheat | Low yield due to high infestation of weeds, late sowing | Weed management |
| | | | | Mustard | Poor yield due to aphid infestation | Insect mgt. |
| | | | | Mango | Poor yield due to imbalance use of fertilizer | Fertilizer management |
| | | | | Guava | Poor quality yield due to fruit fly infestation | Fruit fly management |
| | | | | Cauliflower | Poor yield due to use of local variety | Introduction of HYV |
| | | | | Brinjal | Poor quality of fruits due to foot & shoot borer | IPM |
| 2 | Shamli | Shamli | Jalalpur | Sugarcane | High infestation of insect & disease | Insect & disease mgt. through IPM |
| | | | | Wheat | Low yield due to high infestation of weeds, late sowing | Weed management |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | Vegetables | Local variety, Imbalance fertilizer application, Infestation of pest | Introduction of HYV<br>IPNM<br>IPM |
| 3 | Shamli | Thanabhawan | Harad fatehapur | Sugarcane | Poor yield due to less organic matter | Promoting of organic manure |
| | | | | Wheat | Low yield due to imbalance use of fertilizer | IPNM in Wheat |
| | | | | Merigold | Use of local seed<br>High infestation of disease | Introduction of HYV<br>Disease mgt. |
| | | | | Vegetables | Local variety, Imbalance fertilizer application, Infestation of pest | Introduction of HYV<br>IPNM<br>IPM |
| | | | | Barseem | Low yield due to local variety | Introduction of HYV |
| 4 | kairana | kairana | Aryapuri | Sugarcane | High infestation of insect & disease | Insect & disease mgt. through IPM |
| | | | | Wheat | Low yield due to high infestation of weeds, late sowing | Weed management |
| | | | | Vegetables | Local variety, Imbalance fertilizer application, Infestation of pest | Introduction of HYV<br>IPNM<br>IPM |
| | | | | Barseem | Low fodder due to use of local variety | HYV |
| 5 | Shamli | Shamli | Lishad | Sugarcane | High infestation of insect & disease | Insect & disease mgt. through IPM |
| | | | | Wheat | Low yield due to high infestation of weeds, late sowing | Weed management |
| | | | | Vegetables | Local variety, Imbalance fertilizer application, Infestation of pest | Introduction of HYV<br>IPNM<br>IPM |
| | | | | Barseem | Low fodder due to use of local variety | HYV |

2.8 Priority/thrust areas

| Crop/Enterprise | Thrust area |
|---|---|
| Sugarcane | IPNM, Weed management, IPM, IDM, quality Seed production |
| Wheat | INM, Weed management, IDM, Seed production, Foliar application of Micronutrients |
| Rice | INM, Weed management, Hybrid rice, IPM, IDM, Quality Seed. |
| Vegetables | IDM, IPM, Quality Seed. |
| Orchard | INM,IPM, IDM, Weed management traing and |

| | |
|---|---|
| | pruning& unavailability of quality planting material |
| Oilseeds & Pulses crop | Sulphur, Zinc application & IPM |
| Animals | Endo & Ecto parasite control, Improving fertility& Imbalance feed. |

1. Maintenance of soil productivity through soil test based nutrient management.
2. Promoting intercropping modules with Sugarcane
3. Popularizing Bio- pesticides for management of insect pests
4. Promoting quality floriculture as diversification enterprise for extra income generation.
5. Promoting quality vegetable nursery
6. Mineral mixture supplementation among animals for improving fertility
7. Promoting Group Approach of Extension through Women SHGs and Vallabh Krishak Clubs

**2.9 Intervention/ Programmes for the doubling the farmers income – during 2019** **Demonstrations**

| Before Interventions | Main crop Yield(q/ha) | Inter crop Yield(q/ha) | Equivalent Yield(q/ha) | Cost of cultivation(Rs/ha)* | Net income(Rs/ha) | B.C: Ratio | Remark if any |
|---|---|---|---|---|---|---|---|
| Intercropping System(Kharif-Rabi-Zaid) -Livestock etc. | | | | | | | |
| **This intervention will be incorporate in our next year action plan.** | | | | | | | |

**Discussion**: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

| After Interventions | Main crop Yield(q/ha) | Inter crop Yield(q/ha) | Equivalent yield(q/ha) | Cost of cultivation(Rs/ha)* | Net income(Rs/ha) | B.C: Ratio | Remark if any |
|---|---|---|---|---|---|---|---|
| Intercropping System(Kharif-Rabi-Zaid) -Livestock etc. | | | | | | | |
| **This Discussion will be incorporate in our next year action plan.** | | | | | | | |

**Discussion**: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

| Before Interventions | Main crop Yield(q/ha) | Inter crop Yield(q/ha) | Equivalent yield(q/ha) | Cost of cultivation(Rs/ha)* | Net income(Rs/ha) | B.C: Ratio | Remark if any |
|---|---|---|---|---|---|---|---|
| Mono Cropping System(Kharif-Rabi-Zaid) -Livestock etc. | | | | | | | |
| **This Discussion will be incorporate in our next year action plan.** | | | | | | | |

**Discussion**: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

| After Interventions | Main crop Yield(q/ha) | Inter crop Yield(q/ha) | Equivalent yield(q/ha) | Cost of cultivation(Rs/ha)* | Net income(Rs/ha) | B.C: Ratio | Remark if any |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Mono Cropping System(Kharif-Rabi-Zaid) -Livestock etc. | | | | | | | |
| **This Discussion will be incorporate in our next year action plan.** | | | | | | | |

**Discussion**: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

| **Before Interventions** | **Main crop Yield(q/ha)** | **Inter crop Yield(q/ha)** | **Equivalent yield(q/ha)** | **Cost of cultivation(Rs/ha)*** | **Net income(Rs/ha)** | **B.C: Ratio** | **Remark if any** |
|---|---|---|---|---|---|---|---|
| Relay Cropping System(Kharif-Rabi-Zaid) -Livestock etc. | | | | | | | |
| **This Discussion will be incorporate in our next year action plan.** | | | | | | | |

**Discussion**: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

| **After Interventions** | **Main crop Yield(q/ha)** | **Inter crop Yield(q/ha)** | **Equivalent yield(q/ha)** | **Cost of cultivation(Rs/ha)*** | **Net income(Rs/ha)** | **B.C: Ratio** | **Remark if any** |
|---|---|---|---|---|---|---|---|
| Relay Cropping System(Kharif-Rabi-Zaid)-Livestock etc. | | | | | | | |
| **This Discussion will be incorporate in our next year action plan.** | | | | | | | |

**Discussion**: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

| **Before Interventions** | **Main crop Yield(q/ha)** | **Inter crop Yield(q/ha)** | **Equivalent yield(q/ha)** | **Cost of cultivation(Rs/ha)*** | **Net income(Rs/ha)** | **B.C: Ratio** | **Remark if any** |
|---|---|---|---|---|---|---|---|
| Mixed Farming System(Kharif-Rabi-Zaid)-Livestock etc. | | | | | | | |
| **This Discussion will be incorporate in our next year action plan.** | | | | | | | |

**Discussion**: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

| After Interventions | Main crop Yield(q/ha) | Inter crop Yield(q/ha) | Equivalent yield(q/ha) | Cost of cultivation(Rs/ha)* | Net income(Rs/ha) | B.C: Ratio | Remark if any |
|---|---|---|---|---|---|---|---|
| Mixed Farming System(Kharif-Rabi-Zaid) -Livestock etc. | | | | | | | |
| **This Discussion will be incorporate in our next year action plan.** | | | | | | | |

**Discussion**: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

| Before Interventions | Main crop Yield(q/ha) | Inter crop Yield(q/ha) | Equivalent yield(q/ha) | Cost of cultivation(Rs/ha)* | Net income(Rs/ha) | B.C: Ratio | Remark if any |
|---|---|---|---|---|---|---|---|
| IFS System(Kharif-Rabi-Zaid) - Livestock etc. | | | | | | | |
| **This Discussion will be incorporate in our next year action plan.** | | | | | | | |

**Discussion**: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

| After Interventions | Main crop Yield(q/ha) | Inter crop Yield(q/ha) | Equivalent yield(q/ha) | Cost of cultivation(Rs/ha)* | Net income(Rs/ha) | B.C: Ratio | Remark if any |
|---|---|---|---|---|---|---|---|
| IFS System(Kharif-Rabi-Zaid) - Livestock etc. | | | | | | | |
| **This Discussion will be incorporate in our next year action plan.** | | | | | | | |

**Discussion**: Irrigation, Fertilizers, Labour, Land Preparation, Seed, Plant protection (Weed, Pest, disease) *

Note- Same format may be used for OFT.

## 3. TECHNICAL ACHIEVEMENTS

### 3.A. Details of target and achievements of mandatory activities by KVK during 2019

| OFT (Technology Assessment and Refinement) | | | | FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises) | | | |
|---|---|---|---|---|---|---|---|
| 1 | | | | 2 | | | |
| Number of OFTs | | Total no. of Trials | | Area in ha | | Number of Farmers | |
| Targets | Achievement | Targets | Achievement | Targets | Achievement | Targets | Achievement |
| 6 | 5 | 12 | 10 | 50 | 96.4 | 200 | 239 |

| Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit) | | | | | Extension Activities | | | |
|---|---|---|---|---|---|---|---|---|
| 3 | | | | | 4 | | | |
| Number of Courses | | | Number of Participants | | Number of activities | | Number of participants | |
| Clientele | Targets | Achievement | Targets | Achievement | Targets | Achievement | Targets | Achievement |
| Farmers | 40 | 40 | 800 | 800 | 15 | 15 | 1554 | 1554 |
| Rural youth | 06 | 06 | 60 | 60 | 07 | 07 | 150 | 150 |
| Extn. Functionaries | 13 | 13 | 130 | 130 | | | | |
| Total | 59 | 59 | 990 | 990 | 22 | 22 | 1604 | 1604 |

| Seed Production (Qtl.) | | | Planting material (Nos.) | | |
|---|---|---|---|---|---|
| 5 | | | 6 | | |
| Target | Achievement | Distributed to no. of farmers | Target | Achievement | Distributed to no. of farmers |
| 200 | 225 | Supply to state seed production agency | 5000 | 6150 | 230 |

# I.A TECHNOLOGY ASSESSMENT

**Summary of technologies assessed under various crops by KVKs**

| Thematic areas | Crop | Name of the technology assessed | No. of trials | No. of farmers |
|---|---|---|---|---|
| Integrated Nutrient Management | | | | |
| | | | | |
| Varietal Evaluation | Wheat | Varietal evaluation of late sown high yielding variety | 2 | 04 |
| | Okra | Varietal evaluation of high yielding variety | 2 | 04 |
| | Paddy | Varietal evaluation of basmsti rice variety P.B.-1637 | 2 | 06 |
| | Marigold | Varietal evaluation of marigold | 2 | 03 |
| Integrated Pest Management | | | | |
| | | | | |
| Integrated Crop Management | Paddy | Role of mono Zinc in paddy. | 2 | 03 |
| | | | | |
| Integrated Disease Management | Sugarcane | Management of pokka boing disease in sugarcane. | 2 | 10 |
| | | | | |
| Small Scale Income Generation Enterprises | | | | |
| | | | | |
| Weed Management | | | | |
| | | | | |
| Resource Conservation Technology | | | | |
| | | | | |
| Farm Machineries | | | | |
| | | | | |
| Integrated Farming System | | | | |

| | | | | |
|---|---|---|---|---|
| | | | | |
| Seed / Plant production | | | | |
| | | | | |
| Post Harvest Technology / Value addition | | | | |
| | | | | |
| Drudgery Reduction | | | | |
| | | | | |
| Storage Technique | | | | |
| | | | | |
| Others (Pl. specify) | | | | |
| | | | | |
| **Total** | | | | |

**Summary of technologies assessed under livestock by KVKs**

| Thematic areas | Name of the livestock enterprise | Name of the technology assessed | No. of trials | No. of farmers |
|---|---|---|---|---|
| Disease Management | - | | | |
| Evaluation of Breeds | - | | | |
| Feed and Fodder management | - | | | |
| Nutrition Management | - | | | |
| Production and Management | - | | | |
| Others (Pl. specify) | - | | | |
| **Total** | | | | |

**Summary of technologies assessed under various enterprises by KVKs**

| Thematic areas | Enterprise | Name of the technology assessed | No. of trials | No. of farmers |
|---|---|---|---|---|
| - | | | | |
| | | | | |

# I.B. TECHNOLOGY REFINEMENT

**Summary of technologies refined under various crops by KVKs**

| Thematic areas | Crop | Name of the technology refined | No. of trials | No. of farmers |
|---|---|---|---|---|
| Integrated Nutrient Management | | | | |
| | | | | |
| Varietal Evaluation | | | | |
| | | | | |
| Integrated Pest Management | | | | |
| | | | | |
| Integrated Crop Management | | | | |
| | | | | |
| Integrated Disease Management | | | | |
| | | | | |
| Small Scale Income Generation Enterprises | | | | |
| | | | | |
| Weed Management | | | | |
| | | | | |
| Resource Conservation Technology | | | | |
| | | | | |
| Farm Machineries | | | | |
| | | | | |
| Integrated Farming System | | | | |

| | | | | |
|---|---|---|---|---|
| | | | | |
| Seed / Plant production | | | | |
| | | | | |
| Value addition | | | | |
| | | | | |
| Drudgery Reduction | | | | |
| | | | | |
| Storage Technique | | | | |
| | | | | |
| Others (Pl. specify) | | | | |
| | | | | |
| **Total** | | | | |

**Summary of technologies refined under various livestock by KVKs**

| Thematic areas | Name of the livestock enterprise | Name of the technology refined | No. of trials | No. of farmers |
|---|---|---|---|---|
| Disease Management | - | | | |
| Evaluation of Breeds | - | | | |
| Feed and Fodder management | - | | | |
| Nutrition Management | - | | | |
| Production and Management | - | | | |
| Others (Pl. specify) | - | | | |
| **Total** | | | | |

**Summary of technologies refined under various enterprises by KVKs**

| Thematic areas | Enterprise | Name of the technology assessed | No. of trials | No. of farmers |
|---|---|---|---|---|
| - | | | | |
| | | | | |

## I.C. TECHNOLOGY ASSESSMENT AND REFINEMENT IN DETAIL

***VARIETAL EVALUATION***

**Details of On Farm Trials (Plant Breeding)– 1**

**1. Crop : Wheat**
**2. Title of on-farm trials :** Varietal evaluation of late sown wheat
**3. Problem diagnose :** low yield &heavy infestation of yellow rust due to use of old/traditional variety.

*Result of On Farm Trials-*

| Crop | Farming situation | Problem diagnosed | Title of OFT | No. of trials | Technology assessed |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| Wheat | irrigated | Low yield& heavy infestation of yellow rust | Varietal evaluation of late sown wheat | 03 | 02 |

| Technology | Production per | Net return Rs./unit | C:B ratio |
|---|---|---|---|

| assessed/Refined | unit (q/ha) | | |
|---|---|---|---|
| 11 | 12 | 13 | 14 |
| $T_1$ Farmer's Pra.(PBW-373) | 39.50 | 64650.00 | 1.94:1 |
| $T_2$ DBW-71 | 46.70 | 77390.00 | 2.23:1 |

**Details of On Farm Trials (Agronomy) – 2**

**1. Crop : Paddy**
**2. Title of on-farm trials :** Role of Zinc in paddy
**3. Problem diagnose :** no use of Zinc

*Result of On Farm Trials*

| Crop | Farming situation | Problem diagnosed | Title of OFT | No. of trials | Technology assessed |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| Paddy | irrigated | no use of Zinc | Role of Zinc in paddy. | 03 | 02 |

| Technology assessed/Refined | Production per unit (q/ha) | Net return Rs./unit | C:B ratio |
|---|---|---|---|
| 11 | 12 | 13 | 14 |
| $T_1$ Farmer's Pra. (Pusa-1121) - no use of Zinc | **40.75** | **70600** | **2.62** |
| $T_2$ -use of zinc sulphate mono hydrate (33%) | **44.25** | **78900** | **2.75** |

**Details of On Farm Trials (Plant Breeding) – 3**

**1. Crop : Paddy**
**2. Title of on-farm trials :** Varietal evaluation of basmsti rice variety P.B.-1637
**3. Problem diagnose :** low yield &heavy infestation of blast due to use of old/traditional variety.

*Result of On Farm Trials*

| Crop | Farming situation | Problem diagnosed | Title of OFT | No. of trials | Technology assessed |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| Paddy | irrigated | Low yield& heavy infestation of blast | Varietal evaluation of basmsti rice variety P.B.-1637 | 06 | 02 |

| Technology assessed/Refined | Production per unit (q/ha) | Net return Rs./unit | C:B ratio |
|---|---|---|---|
| 11 | 12 | 13 | 14 |
| $T_1$ Farmer's Pra.-PB-1 | 40.60 | 62050.00 | 1.94:1 |
| $T_2$ PB-1637 | 46.80 | 72570.00 | 2.48:1 |

**Details of On Farm Trials (Plant protection / Plant Breeding) – 4**

**1. Crop : Sugarcane**
**2. Title of on-farm trials :** Management of pokka boing disease in sugarcane (Co.0238).
**3. Problem diagnose :** low preoductivity of sugsrcane due high incidence of pookka boing disease.

*Result of On Farm Trials-*

| Crop | Farming situation | Problem diagnosed | Title of OFT | No. of trials | Technology assessed |
|---|---|---|---|---|---|
| **1** | **2** | **3** | **4** | **5** | **6** |
| Sugarcane | irrigated | low preoductivity of sugsrcane due high incidence of pookka boing disease | Management of pokka boing disease in sugarcane. | 10 | 02 |

| Technology assessed/Refined | Production per unit (q/ha) | Net return Rs./unit | C:B ratio |
|---|---|---|---|
| **11** | **12** | **13** | **14** |
| $T_1$ Farmer's Pra.-<br>$T_2$ | Result Awated | | |

**Details of On Farm Trials (Horticulture) – 5**

**1. Crop : Marigold**
**2. Title of on-farm trials :** Varietal evaluation of marigold
**3. Problem diagnose :** low yield of marigold.

*Result of On Farm Trials-*

| Crop | Farming situation | Problem diagnosed | Title of OFT | No. of trials | Technology assessed |
|---|---|---|---|---|---|
| **1** | **2** | **3** | **4** | **5** | **6** |
| Marigold | Irrigated | Low yield of marigold | Varietal evaluation of marigold | 03 | 02 |

| Technology assessed/Refined | Production per unit (q/ha) | Net return Rs./unit | C:B ratio |
|---|---|---|---|
| **11** | **12** | **13** | **14** |
| $T_1$ Farmer's Pra.-<br>$T_2$ | Result Awated | | |

# II. FRONTLINE DEMONSTRATION

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2016-17 and recommended for large scale adoption in the district

| S. No | Crop/ Enterprise | Thematic Area* | Technology demonstrated | Details of popularization methods suggested to the Extension system | Horizontal spread of technology | | |
|---|---|---|---|---|---|---|---|
| | | | | | No. of villages | No. of farmers | Area in ha |
| Nil | | | | | | | |

**** Thematic areas as given in Table 3.1 (A1 and A2)***

b. Details of FLDs implemented during **2019** (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

| **Sl. No.** | **Crop** | **Thematic area** | **Technology Demonstrated** | **Season and year** | **Area (ha)** | | **No. of farmers/ demonstration** | | | **Reasons for shortfall in achievement** |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Proposed | Actual | SC/ST | Others | Total | |
| **1.** | Wheat PBW-550 | VE | HD-3086 | Rabi 2018-19 | 2 | 2 | 1 | 4 | 5 | - |
| **2.** | Wheat PBW-373 | VE | HD-3059 | Rabi 2018-19 | 6 | 6 | 4 | 11 | 15 | - |
| **3.** | Wheat PBW-550 | RCT | West decomposed | Rabi 2018-19 | 80 | 80 | 8 | 192 | 200 | - |
| **4.** | Cauliflower Early kawari | VE | GS-75 | Rabi 2018-19 | 1 | 1 | 1 | 4 | 5 | - |
| **5.** | Onion N-53 | VE | Agrifound light red | Rabi 2018-19 | 1 | 1 | 1 | 4 | 5 | - |
| **6.** | Paddy P.B.-1 | IDM | Propiconazol | Kharif 2019 | 4.0 | 4.0 | 2 | 8 | 10 | |
| **7.** | Paddy P.B.-1 | WM | Bispyribac sodium | Kharif 2019 | 2 | 2.4 | - | 03 | 03 | |

Details of farming situation

| Crop | Season | Farming situation (RF/Irrigated) | Soil type | Status of soil | | | Previous crop | Sowing date | Harvest date | Seasonal rainfall (mm) | No. of rainy days |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | N | P | K | | | | | |
| Wheat | Rabi 2018-19 | Irr. | Sandy Loam | L | M | M | Paddy | 15.11.18 | 22.04.19 | - | - |
| Wheat | Rabi 2018- | Irr. | Sandy Loam | L | M | M | S.cane | 15.12. | 28.04. | - | - |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 19 | | | | | | | 18 | 19 | | |
| Wheat | Rabi 2018-19 | Irr. | Sandy Loam | L | M | M | s.cane | 25.11.18 | 25.04.19 | - | - |
| Cauliflower | Rabi 2018-19 | Irr. | Sandy Loam | L | M | M | Jowar | 25.09.18 | 21.01.19 | - | - |
| Onion | Rabi 2018-19 | Irr. | Sandy Loam | L | M | M | carrot | 02.01.19 | 25.05.19 | - | - |
| Paddy | Kharif 2018 | Irr. | Sandy Loam | L | M | M | Jowar | 11.07.19 | 11.10.19 | - | - |
| Paddy | Kharif 2018 | Irr. | Sandy Loam | L | M | M | Jowar | 15.07.19 | 24.10.19 | - | - |

Technical Feedback on the demonstrated technologies

| **S. No** | **Feed Back** |
|---|---|
| 1.Wheat | Newly release High yield and disease resistance variety is better than local variety. |
| 2.Wheat | Newly release High yield and disease resistance variety is better than local variety. |
| 3.Wheat | Saving of fertilizer |
| 4.Cauliflower | Newly release High yield variety is better than local variety. |
| 5.Onion | Newly release High yield variety is better than local variety. |
| 6.Paddy | 93 % smut control found. |
| 7.Paddy | 90% weed control |

Farmers' reactions on specific technologies

| **S. No** | **Feed Back** |
|---|---|
| 1.Wheat | Use of high yield and disease resistance variety appreciated by farmers in terms of productivity and net income. |
| 2.Wheat | Use of high yield and disease resistance variety appreciated by farmers in terms of productivity and net income. |
| 3.Wheat | Improvement in soil condition and improve in grain quality. |
| 4.Cauliflower | Use of high yield variety appreciated by farmers in terms of productivity and net income. |
| 5.Onion | Use of high yield variety appreciated by farmers in terms of productivity and net income. |
| 6.Paddy | less affected by false smut and higher yield |
| 7.Paddy | less infestation of Weed and higher yield |

Extension and Training activities under FLD

| **Sl.No.** | **Activity** | **No. of activities organized** | **Date** | **Number of participants** | **Remarks** |
|---|---|---|---|---|---|
| 1 | Field days | 14 | Sep.2018,Feb.2019 | 456 | - |
| 2 | Farmers Training | 07 | June 2018,Nov.2019 | 152 | - |
| 3 | Media coverage | 06 | - | - | - |
| 4 | Training for extension functionaries | 08 | June 2018,Nov.2019 | 184 | - |

## Performance of Frontline demonstrations

### Frontline demonstrations on oilseed crops

| Crop | Thematic Area | technology demonstrated | Variety | No. of Farmers | Area (ha) | Yield (q/ha) | | | | % Increase in yield | Economics of demonstration (Rs./ha) | | | | Economics of check (Rs./ha) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Demo | | | Check | | Gross Cost | Gross Return | Net Return | BCR (R/C) | Gross Cost | Gross Return | Net Return | BCR (R/C) |
| | | | | | | High | Low | Average | | | | | | | | | | |
| Groundnut | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| Sesamum | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| Mustard | | | | | | | | | | | | | | | | | | |
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| Toria | | | | | | | | | | | | | | | | | | |
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| Linseed | | | | | | | | | | | | | | | | | | |
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| Sunflower | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | |
| Soybean | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
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* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

**Frontline demonstration on pulse crops**

| Crop | Thematic Area | technology demonstrated | Variety | No. of Farmers | Area (ha) | Yield (q/ha) | | | | % Increase in yield | Economics of demonstration (Rs./ha) | | | | Economics of check (Rs./ha) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Demo | | | Check | | Gross Cost | Gross Return | Net Return | BCR (R/C) | Gross Cost | Gross Return | Net Return | BCR (R/C) |
| | | | | | | High | Low | Average | | | | | | | | | | |
| Pigeonpea | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| Blackgram | | | | | | | | | | | | | | | | | | |
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| Greengram | | | | | | | | | | | | | | | | | | |
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| Chickpea | | | | | | | | | | | | | | | | | | |
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| Fieldpea | | | | | | | | | | | | | | | | | | |
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| Lentil | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | |
| Horsegram | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

## FLD on Other crops

| Category & Crop | Thematic Area | Name of the technology | No. of Farmers | Area (ha) | Yield (q/ha) | | | | % Change in Yield | Other Parameters | | Economics of demonstration (Rs./ha) | | | | Economics of check (Rs./ha) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Demo | | | Check | | Demo | Check | Gross Cost | Gross Return | Net Return | BCR (R/C) | Gross Cost | Gross Return | Net Return | BCR (R/C) |
| | | | | | High | Low | Average | | | | | | | | | | | | |
| **Cereals** | | | | | | | | | | | | | | | | | | | |
| **Paddy** | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| **Waterlogged Situation** | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| **Coarse Rice** | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| **Scented Rice** | | | | | | | | | | | | | | | | | | | |
| | IDM | Propiconazol | 10 | 4.0 | 50.90 | 45.80 | 48-80 | 44.60 | 12.66 | 2 | 9 | 30450 | 108000 | 77550 | 3.40 | 29800 | 93050 | 63250 | 3.01 |
| | Weed managment | Bispyribac sodium | 03 | 2.4 | 55.00 | 52.75 | 53.45 | 48.25 | 10.77 | 2.5 | 16 | 46500 | 160350 | 113850 | 3.44 | 43700 | 144750 | 101050 | 3.31 |
| **Wheat** | | | | | | | | | | | | | | | | | | | |
| | Varietal Demonstration | HD-3086 | 5 | 2.0 | 54.60 | 61.80 | 58.80 | 51.20 | 14.84 | 9 | 6 | 29280 | 99960 | 70680 | 3.41 | 26890 | 87040 | 60150 | 3.24 |
| | Varietal Demonstration | HD-3059 | 15 | 6.0 | | | 48.60 | 40.80 | 19.12 | 8 | 4 | 30160 | 82620 | 52460 | 2.74 | 27650 | 69360 | 41710 | 2.53 |
| | RCT | West decomposer | 200 | 80 | 60.00 | 52.50 | 55.00 | 47.50 | 15.79 | - | - | 29273 | 97350 | 68077 | 3.33 | 30160 | 84075 | 53915 | 2.79 |
| **Wheat Timely sown** | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| **Wheat Late Sown** | | | | | | | | | | | | | | | | | | | |
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| **Mandua** | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
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| **Barley** | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | |
| **Maize** | | | | | | | | | | | | | | | | | | | |
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| **Amaranth** | | | | | | | | | | | | | | | | | | | |
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| **Millets** | | | | | | | | | | | | | | | | | | | |

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| **Jowar** | | | | | | | | | | | | | | | | | | | |
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| **Bajra** | | | | | | | | | | | | | | | | | | | |
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| **Barnyard millet** | | | | | | | | | | | | | | | | | | | |
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| **Finger millet** | | | | | | | | | | | | | | | | | | | |
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| **Vegetables** | | | | | | | | | | | | | | | | | | | |
| **Bottlegourd** | | | | | | | | | | | | | | | | | | | |
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| **Bittergourd** | | | | | | | | | | | | | | | | | | | |
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| **Cowpea** | | | | | | | | | | | | | | | | | | | |
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| **Spongegourd** | | | | | | | | | | | | | | | | | | | |
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| **Petha** | | | | | | | | | | | | | | | | | | | |
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| **Tomato** | | | | | | | | | | | | | | | | | | | |
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| **Frenchbean** | | | | | | | | | | | | | | | | | | | |
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| **Capsicum** | | | | | | | | | | | | | | | | | | | |
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| **Chilli** | | | | | | | | | | | | | | | | | | | |
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| **Brinjal** | | | | | | | | | | | | | | | | | | | |
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| **Vegetable pea** | | | | | | | | | | | | | | | | | | | |
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| **Softgourd** | | | | | | | | | | | | | | | | | | | |
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| **Okra** | | | | | | | | | | | | | | | | | | | |
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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Colocasia (Arvi)** | | | | | | | | | | | | | | | | | | | |
| **Broccoli** | | | | | | | | | | | | | | | | | | | |
| **Cucumber** | | | | | | | | | | | | | | | | | | | |
| **Onion** | | | | | | | | | | | | | | | | | | | |
| | varietal | Agrifound Light Red | 6 | 0.60 | 282.8 | 273.5 | 278.36 | 238.5 | 16.71 | 150 | 125 | 95500 | 334032 | 238532 | 3.49 | 92300 | 286200 | 193900 | 3.10 |
| **Coriender** | | | | | | | | | | | | | | | | | | | |
| **Lettuce** | | | | | | | | | | | | | | | | | | | |
| **Cabbage** | | | | | | | | | | | | | | | | | | | |
| **Cauliflower** | | | | | | | | | | | | | | | | | | | |
| | Varietal | GS75 | 5 | 1.0 | 290.5 | 318.40 | 310.5 | 270.8 | 14.66 | - | - | 76125 | 155250 | 85250 | 2.03 | 77220 | 135400 | 63170 | 1.87 |
| **Elephant fruit** | | | | | | | | | | | | | | | | | | | |
| **Flower crops** | | | | | | | | | | | | | | | | | | | |
| **Marigold** | | | | | | | | | | | | | | | | | | | |
| **Bela** | | | | | | | | | | | | | | | | | | | |
| **Tuberose** | | | | | | | | | | | | | | | | | | | |
| **Gladiolus** | | | | | | | | | | | | | | | | | | | |
| **Fruit crops** | | | | | | | | | | | | | | | | | | | |
| **Mango** | | | | | | | | | | | | | | | | | | | |
| **Strawberry** | | | | | | | | | | | | | | | | | | | |
| **Guava** | | | | | | | | | | | | | | | | | | | |

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| **Banana** | | | | | | | | | | | | | | | | | | |
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| **Papaya** | | | | | | | | | | | | | | | | | | |
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| **Muskmelon** | | | | | | | | | | | | | | | | | | |
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| **Watermelon** | | | | | | | | | | | | | | | | | | |
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| **Spices & condiments** | | | | | | | | | | | | | | | | | | |
| **Ginger** | | | | | | | | | | | | | | | | | | |
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| **Garlic** | | | | | | | | | | | | | | | | | | |
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| **Turmeric** | | | | | | | | | | | | | | | | | | |
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| **Commercial Crops** | | | | | | | | | | | | | | | | | | |
| **Sugarcane** | | | | | | | | | | | | | | | | | | |
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| **Potato** | | | | | | | | | | | | | | | | | | |
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| **Medicinal & aromatic plants** | | | | | | | | | | | | | | | | | | |
| **Mentholment** | | | | | | | | | | | | | | | | | | |
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| **Kalmegh** | | | | | | | | | | | | | | | | | | |
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| **Ashwagandha** | | | | | | | | | | | | | | | | | | |
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| **Fodder Crops** | | | | | | | | | | | | | | | | | | |
| **Sorghum (F)** | | | | | | | | | | | | | | | | | | |
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| **Cowpea (F)** | | | | | | | | | | | | | | | | | | |

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| **Maize (F)** | | | | | | | | | | | | | | | | | | | |
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| **Lucern** | | | | | | | | | | | | | | | | | | | |
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| **Berseem** | | | | | | | | | | | | | | | | | | | |
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| **Oat (F)** | | | | | | | | | | | | | | | | | | | |
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* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

## FLD on Livestock

| Category | Thematic area | Name of the technology demonstrated | No. of Farmer | No.of Units (Animal/ Poultry/ Birds, etc) | Major parameters | | % change in major parameter | Other parameter | | Economics of demonstration (Rs.) | | | | Economics of check (Rs.) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Demo | Check | | Demo | Check | Gross Cost | Gross Return | Net Return | BCR (R/C) | Gross Cost | Gross Return | Net Return | BCR (R/C) |
| **Cattle** | - | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| **Buffalo** | | | | | | | | | | | | | | | | | |
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| **Buffalo Calf** | | | | | | | | | | | | | | | | | |
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| **Dairy** | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | |
| **Poultry** | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
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| **Sheep & Goat** | | | | | | | | | | | | | | | | | |

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| **Vaccination** | | | | | | | | | | | | | | | | | |
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* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

## FLD on Fisheries

| Category | Thematic area | Name of the technology demonstrated | No. of Farmer | No.of units | Major parameters | | % change in major parameter | Other parameter | | Economics of demonstration (Rs.) | | | | Economics of check (Rs.) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Demonstration | Check | | Demonstration | Check | Gross Cost | Gross Return | Net Return | BCR (R/C) | Gross Cost | Gross Return | Net Return | BCR (R/C) |
| **Common Carps** | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| **Composite fish culture** | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | |
| **Feed Management** | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | |

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

## FLD on Other enterprises

| Category | Name of the technology demonstrated | No. of Farmer | No.of units | Major parameters | | % change in major parameter | Other parameter | | Economics of demonstration (Rs.) or Rs./unit | | | | Economics of check (Rs.) or Rs./unit | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Demo | Check | | Demo | Check | Gross Cost | Gross Return | Net Return | BCR (R/C) | Gross Cost | Gross Return | Net Return | BCR (R/C) |
| **Oyster Mushroom** | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| **Button Mushroom** | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | |
| **Apiculture** | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | |
| **Maize Sheller** | | | | | | | | | | | | | | | | |

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| **Value Addition** | | | | | | | | | | | | | | | | |
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| **Vermi Compost** | | | | | | | | | | | | | | | | |
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## FLD on Women Empowerment

| Category | Name of technology | No. of demonstrations | Name of observations | Demonstration | Check |
|---|---|---|---|---|---|
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## FLD on Farm Implements and Machinery

| Name of the implement | Crop | Technology demonstrated | No. of Farmer | Area (ha) | Major parameters | Filed observation (output/man hour) | | % change in major parameter | Labor reduction (man days) | | | | Cost reduction (Rs./ha or Rs./Unit etc.) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Demo | Check | | Land preparation | Sowing | Weeding | Total | Land preparation | Labour | Irrigation | Total |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

## FLD on Other Enterprise: Kitchen Gardening

| Category and Crop | Thematic area | Name of the technology demonstrated | No. of Farmer | No. of Units | Yield (Kg) | | % change in yield | Other parameters | | Economics of demonstration (Rs./ha) | | | | Economics of check (Rs./ha) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Demonstration | Check | | Demo | Check | Gross Cost | Gross Return | Net Return | BCR (R/C) | Gross Cost | Gross Return | Net Return | BCR (R/C) |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

**FLD on Demonstration details on crop hybrids** *(Details of Hybrid FLDs implemented during* **2018-19***)*

| Crop | technology demonstrated | Hybrid Variety | No. of Farmers | Area (ha) | Yield (q/ha) | | | | % Increase in yield | Economics of demonstration (Rs./ha) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Demo | | | Check | | Gross Cost | Gross Return | Net Return | BCR (R/C) |
| | | | | | High | Low | Average | | | | | | |
| Oilseed crop | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| Pulse crop | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| Cereal crop | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| Vegetable crop | | | | | | | | | | | | | |
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| Fruit crop | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| Other (specify) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

***Note : Remove the Enterprises/crops which have not been shown***

# III. Training Programme

**Farmers' Training including sponsored training programmes (on campus)**

| Thematic area | No. of courses | Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Others | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| **I Crop Production** | | | | | | | | | | |
| Weed Management | | | | | | | | | | |
| Resource Conservation Technologies | | | | | | | | | | |
| Cropping Systems | | | | | | | | | | |
| Crop Diversification | | | | | | | | | | |
| Integrated Farming | | | | | | | | | | |
| Micro Irrigation/irrigation | | | | | | | | | | |
| Seed production | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Integrated Crop Management | | | | | | | | | | |
| Soil & water conservatioin | | | | | | | | | | |
| Integrated nutrient management | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **II Horticulture** | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | |
| Production of low value and high valume crops | | | | | | | | | | |
| Off-season vegetables | | | | | | | | | | |
| Nursery raising | | | | | | | | | | |
| Exotic vegetables | | | | | | | | | | |
| Export potential vegetables | | | | | | | | | | |
| Grading and standardization | | | | | | | | | | |
| Protective cultivation | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total (a)** | | | | | | | | | | |
| **b) Fruits** | | | | | | | | | | |
| Training and Pruning | | | | | | | | | | |
| Layout and Management of Orchards | | | | | | | | | | |
| Cultivation of Fruit | | | | | | | | | | |
| Management of young plants/orchards | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | |
| Export potential fruits | | | | | | | | | | |
| Micro irrigation systems of orchards | | | | | | | | | | |
| Plant propagation techniques | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total (b)** | | | | | | | | | | |
| **c) Ornamental Plants** | | | | | | | | | | |
| Nursery Management | | | | | | | | | | |
| Management of potted plants | | | | | | | | | | |
| Export potential of ornamental plants | | | | | | | | | | |
| Propagation techniques of Ornamental Plants | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total ( c)** | | | | | | | | | | |
| **d) Plantation crops** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total (d)** | | | | | | | | | | |
| **e) Tuber crops** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total (e)** | | | | | | | | | | |
| **f) Spices** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total (f)** | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **g) Medicinal and Aromatic Plants** | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Production and management technology | | | | | | | | | | |
| Post harvest technology and value addition | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total (g)** | | | | | | | | | | |
| **GT (a-g)** | | | | | | | | | | |
| **III Soil Health and Fertility Management** | | | | | | | | | | |
| Soil fertility management | | | | | | | | | | |
| Integrated water management | | | | | | | | | | |
| Integrated Nutrient Management | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | |
| Management of Problematic soils | | | | | | | | | | |
| Micro nutrient deficiency in crops | | | | | | | | | | |
| Nutrient Use Efficiency | | | | | | | | | | |
| Balance use of fertilizers | | | | | | | | | | |
| Soil and Water Testing | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **IV Livestock Production and Management** | | | | | | | | | | |
| Dairy Management | | | | | | | | | | |
| Poultry Management | | | | | | | | | | |
| Piggery Management | | | | | | | | | | |
| Rabbit Management | | | | | | | | | | |
| Animal Nutrition Management | | | | | | | | | | |
| Disease Management | | | | | | | | | | |
| Feed & fodder technology | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **V Home Science/Women empowerment** | | | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | | | | | | | | | | |
| Design and development of low/minimum cost diet | | | | | | | | | | |
| Designing and development for high nutrient efficiency diet | | | | | | | | | | |
| Minimization of nutrient loss in processing | | | | | | | | | | |
| Processing and cooking | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | |
| Storage loss minimization techniques | | | | | | | | | | |
| Value addition | | | | | | | | | | |
| Women empowerment | | | | | | | | | | |
| Location specific drudgery reduction technologies | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| Women and child care | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **VI Agril. Engineering** | | | | | | | | | | |
| Farm Machinary and its maintenance | | | | | | | | | | |
| Installation and maintenance of micro irrigation systems | | | | | | | | | | |
| Use of Plastics in farming practices | | | | | | | | | | |
| Production of small tools and implements | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | |
| Small scale processing and value addition | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **VII Plant Protection** | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Disease Management | | | | | | | | | | |
| Bio-control of pests and diseases | | | | | | | | | | |
| Production of bio control agents and bio pesticides | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **VIII Fisheries** | | | | | | | | | | |
| Integrated fish farming | | | | | | | | | | |
| Carp breeding and hatchery management | | | | | | | | | | |
| Carp fry and fingerling rearing | | | | | | | | | | |
| Composite fish culture | | | | | | | | | | |
| Hatchery management and culture of freshwater prawn | | | | | | | | | | |
| Breeding and culture of ornamental fishes | | | | | | | | | | |
| Portable plastic carp hatchery | | | | | | | | | | |
| Pen culture of fish and prawn | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | |
| Edible oyster farming | | | | | | | | | | |
| Pearl culture | | | | | | | | | | |
| Fish processing and value addition | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **IX Production of Inputs at site** | | | | | | | | | | |
| Seed Production | | | | | | | | | | |
| Planting material production | | | | | | | | | | |
| Bio-agents production | | | | | | | | | | |
| Bio-pesticides production | | | | | | | | | | |
| Bio-fertilizer production | | | | | | | | | | |
| Vermi-compost production | | | | | | | | | | |
| Organic manures production | | | | | | | | | | |
| Production of fry and fingerlings | | | | | | | | | | |
| Production of Bee-colonies and wax sheets | | | | | | | | | | |
| Small tools and implements | | | | | | | | | | |
| Production of livestock feed and fodder | | | | | | | | | | |
| Production of Fish feed | | | | | | | | | | |
| Mushroom Production | | | | | | | | | | |
| Apiculture | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **X Capacity Building and Group Dynamics** | | | | | | | | | | |
| Leadership development | | | | | | | | | | |
| Group dynamics | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | |
| Mobilization of social capital | | | | | | | | | | |
| Entrepreneurial development of farmers/youths | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **XI Agro-forestry** | | | | | | | | | | |
| Production technologies | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Integrated Farming Systems | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **GRAND TOTAL** | | | | | | | | | | |

**Farmers' Training including sponsored training programmes (off campus)**

| Thematic area | No. of courses | Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Others | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| **I Crop Production** | | | | | | | | | | |
| Weed Management | 3 | 45 | | 45 | 15 | | 15 | 60 | | 60 |
| Resource Conservation Technologies | 3 | 48 | | 48 | 12 | | 12 | 60 | | 60 |
| Cropping Systems | | | | | | | | | | |
| Crop Diversification | 1 | 18 | | 18 | 2 | | 2 | 20 | | 20 |
| Integrated Farming | | | | | | | | | | |
| Micro Irrigation/irrigation | 4 | 68 | | 68 | 12 | | 12 | 80 | | 80 |
| Seed production | 15 | 274 | | 274 | 26 | | 26 | 300 | | 300 |
| Nursery management | 1 | 20 | | 20 | | | | 20 | | 20 |
| Integrated Crop Management | 1 | 17 | | 17 | 3 | | 3 | 20 | | 20 |
| Soil & water conservatioin | | | | | | | | | | |
| Integrated nutrient management | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Others (pl specify) | 2 | 38 | | 38 | 2 | | 2 | 40 | | 40 |
| **Total** | **30** | **528** | | **528** | **72** | | **72** | **600** | | **600** |
| **II Horticulture** | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | |
| Production of low value and high valume crops | | | | | | | | | | |
| Off-season vegetables | 1 | 16 | | 16 | 4 | | 4 | 20 | | 20 |
| Nursery raising | | | | | | | | | | |
| Exotic vegetables | | | | | | | | | | |
| Export potential vegetables | | | | | | | | | | |
| Grading and standardization | | | | | | | | | | |
| Protective cultivation | 3 | 58 | | 58 | 2 | | 2 | 60 | | 60 |
| Others (pl specify) | | | | | | | | | | |
| **Total (a)** | **4** | **74** | | **74** | **6** | | **6** | **80** | | **80** |
| **b) Fruits** | | | | | | | | | | |
| Training and Pruning | 2 | 32 | | 32 | 8 | | 8 | 40 | | 40 |
| Layout and Management of Orchards | | | | | | | | | | |
| Cultivation of Fruit | 2 | 38 | | 38 | 2 | | 2 | 40 | | 40 |
| Management of young plants/orchards | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | |
| Export potential fruits | | | | | | | | | | |
| Micro irrigation systems of orchards | 1 | 20 | | 20 | 0 | | 0 | 20 | | 20 |
| Plant propagation techniques | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total (b)** | **5** | **90** | | **90** | **10** | | **10** | **100** | | **100** |
| **c) Ornamental Plants** | | | | | | | | | | |
| Nursery Management | | | | | | | | | | |
| Management of potted plants | | | | | | | | | | |
| Export potential of ornamental plants | | | | | | | | | | |
| Propagation techniques of Ornamental Plants | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total ( c)** | | | | | | | | | | |
| **d) Plantation crops** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total (d)** | | | | | | | | | | |
| **e) Tuber crops** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total (e)** | | | | | | | | | | |
| **f) Spices** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total (f)** | | | | | | | | | | |
| **g) Medicinal and Aromatic Plants** | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Production and management technology | | | | | | | | | | |
| Post harvest technology and value addition | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total (g)** | | | | | | | | | | |
| **GT (a-g)** | **9** | **164** | | **164** | **16** | | **16** | **180** | | **180** |
| **III Soil Health and Fertility Management** | | | | | | | | | | |
| Soil fertility management | | | | | | | | | | |
| Integrated water management | | | | | | | | | | |
| Integrated Nutrient Management | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | |
| Management of Problematic soils | | | | | | | | | | |
| Micro nutrient deficiency in crops | | | | | | | | | | |
| Nutrient Use Efficiency | | | | | | | | | | |
| Balance use of fertilizers | | | | | | | | | | |
| Soil and Water Testing | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **IV Livestock Production and Management** | | | | | | | | | | |
| Dairy Management | | | | | | | | | | |
| Poultry Management | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Piggery Management | | | | | | | | | | |
| Rabbit Management | | | | | | | | | | |
| Animal Nutrition Management | | | | | | | | | | |
| Disease Management | | | | | | | | | | |
| Feed & fodder technology | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **V Home Science/Women empowerment** | | | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | | | | | | | | | | |
| Design and development of low/minimum cost diet | | | | | | | | | | |
| Designing and development for high nutrient efficiency diet | | | | | | | | | | |
| Minimization of nutrient loss in processing | | | | | | | | | | |
| Processing and cooking | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | |
| Storage loss minimization techniques | | | | | | | | | | |
| Value addition | | | | | | | | | | |
| Women empowerment | | | | | | | | | | |
| Location specific drudgery reduction technologies | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| Women and child care | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **VI Agril. Engineering** | | | | | | | | | | |
| Farm Machinary and its maintenance | | | | | | | | | | |
| Installation and maintenance of micro irrigation systems | | | | | | | | | | |
| Use of Plastics in farming practices | | | | | | | | | | |
| Production of small tools and implements | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | |
| Small scale processing and value addition | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **VII Plant Protection** | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Disease Management | | | | | | | | | | |
| Bio-control of pests and diseases | | | | | | | | | | |
| Production of bio control agents and bio pesticides | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **VIII Fisheries** | | | | | | | | | | |
| Integrated fish farming | | | | | | | | | | |
| Carp breeding and hatchery management | | | | | | | | | | |
| Carp fry and fingerling rearing | | | | | | | | | | |
| Composite fish culture | | | | | | | | | | |
| Hatchery management and culture of freshwater prawn | | | | | | | | | | |
| Breeding and culture of ornamental fishes | | | | | | | | | | |
| Portable plastic carp hatchery | | | | | | | | | | |
| Pen culture of fish and prawn | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | |
| Edible oyster farming | | | | | | | | | | |
| Pearl culture | | | | | | | | | | |
| Fish processing and value addition | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **IX Production of Inputs at site** | | | | | | | | | | |
| Seed Production | | | | | | | | | | |
| Planting material production | | | | | | | | | | |
| Bio-agents production | | | | | | | | | | |
| Bio-pesticides production | | | | | | | | | | |
| Bio-fertilizer production | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Vermi-compost production | | | | | | | | | | |
| Organic manures production | | | | | | | | | | |
| Production of fry and fingerlings | | | | | | | | | | |
| Production of Bee-colonies and wax sheets | | | | | | | | | | |
| Small tools and implements | | | | | | | | | | |
| Production of livestock feed and fodder | | | | | | | | | | |
| Production of Fish feed | | | | | | | | | | |
| Mushroom Production | | | | | | | | | | |
| Apiculture | 1 | 13 | | 13 | 7 | | 7 | 20 | | 20 |
| Others (pl specify) | 1 | 13 | | 13 | 7 | | 7 | 20 | | 20 |
| **Total** | | | | | | | | | | |
| **X Capacity Building and Group Dynamics** | | | | | | | | | | |
| Leadership development | | | | | | | | | | |
| Group dynamics | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | |
| Mobilization of social capital | | | | | | | | | | |
| Entrepreneurial development of farmers/youths | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **XI Agro-forestry** | | | | | | | | | | |
| Production technologies | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Integrated Farming Systems | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **GRAND TOTAL** | 40 | 705 | | 705 | 95 | | 95 | 800 | | 800 |

**Farmers' Training including sponsored training programmes – CONSOLIDATED (On + Off campus)**

| Thematic area | No. of courses | Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Others | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| **I Crop Production** | | | | | | | | | | |
| Weed Management | 3 | 45 | | 45 | 15 | | 15 | 60 | | 60 |
| Resource Conservation Technologies | 3 | 48 | | 48 | 12 | | 12 | 60 | | 60 |
| Cropping Systems | | | | | | | | | | |
| Crop Diversification | 1 | 18 | | 18 | 2 | | 2 | 20 | | 20 |
| Integrated Farming | | | | | | | | | | |
| Micro Irrigation/irrigation | 4 | 68 | | 68 | 12 | | 12 | 80 | | 80 |
| Seed production | 15 | 274 | | 274 | 26 | | 26 | 300 | | 300 |
| Nursery management | 1 | 20 | | 20 | | | | 20 | | 20 |
| Integrated Crop Management | 1 | 17 | | 17 | 3 | | 3 | 20 | | 20 |
| Soil & water conservatioin | | | | | | | | | | |
| Integrated nutrient management | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | |
| Others (pl specify) | 2 | 38 | | 38 | 2 | | 2 | 40 | | 40 |
| **Total** | **30** | **528** | | **528** | **72** | | **72** | **600** | | **600** |
| **II Horticulture** | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | |
| Production of low value and high valume crops | | | | | | | | | | |
| Off-season vegetables | 1 | 16 | | 16 | 4 | | 4 | 20 | | 20 |
| Nursery raising | | | | | | | | | | |
| Exotic vegetables | | | | | | | | | | |
| Export potential vegetables | | | | | | | | | | |
| Grading and standardization | | | | | | | | | | |
| Protective cultivation | 3 | 58 | | 58 | 2 | | 2 | 60 | | 60 |
| Others (pl specify) | | | | | | | | | | |
| **Total (a)** | **4** | **74** | | **74** | **6** | | **6** | **80** | | **80** |
| **b) Fruits** | | | | | | | | | | |
| Training and Pruning | 2 | 32 | | 32 | 8 | | 8 | 40 | | 40 |
| Layout and Management of Orchards | | | | | | | | | | |
| Cultivation of Fruit | 2 | 38 | | 38 | 2 | | 2 | 40 | | 40 |
| Management of young plants/orchards | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | |
| Export potential fruits | | | | | | | | | | |
| Micro irrigation systems of orchards | 1 | 20 | | 20 | 0 | | 0 | 20 | | 20 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Plant propagation techniques | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total (b)** | **5** | **90** | | **90** | **10** | | **10** | **100** | | **100** |
| **c) Ornamental Plants** | | | | | | | | | | |
| Nursery Management | | | | | | | | | | |
| Management of potted plants | | | | | | | | | | |
| Export potential of ornamental plants | | | | | | | | | | |
| Propagation techniques of Ornamental Plants | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total ( c)** | | | | | | | | | | |
| **d) Plantation crops** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total (d)** | | | | | | | | | | |
| **e) Tuber crops** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total (e)** | | | | | | | | | | |
| **f) Spices** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total (f)** | | | | | | | | | | |
| **g) Medicinal and Aromatic Plants** | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Production and management technology | | | | | | | | | | |
| Post harvest technology and value addition | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total (g)** | | | | | | | | | | |
| **GT (a-g)** | **9** | **164** | | **164** | **16** | | **16** | **180** | | **180** |
| **III Soil Health and Fertility Management** | | | | | | | | | | |
| Soil fertility management | | | | | | | | | | |
| Integrated water management | | | | | | | | | | |
| Integrated Nutrient Management | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | |
| Management of Problematic soils | | | | | | | | | | |
| Micro nutrient deficiency in crops | | | | | | | | | | |
| Nutrient Use Efficiency | | | | | | | | | | |
| Balance use of fertilizers | | | | | | | | | | |
| Soil and Water Testing | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **IV Livestock Production and Management** | | | | | | | | | | |
| Dairy Management | | | | | | | | | | |
| Poultry Management | | | | | | | | | | |
| Piggery Management | | | | | | | | | | |
| Rabbit Management | | | | | | | | | | |
| Animal Nutrition Management | | | | | | | | | | |
| Disease Management | | | | | | | | | | |
| Feed & fodder technology | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **V Home Science/Women empowerment** | | | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | | | | | | | | | | |
| Design and development of low/minimum cost diet | | | | | | | | | | |
| Designing and development for high nutrient efficiency diet | | | | | | | | | | |
| Minimization of nutrient loss in processing | | | | | | | | | | |
| Processing and cooking | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | |
| Storage loss minimization techniques | | | | | | | | | | |
| Value addition | | | | | | | | | | |
| Women empowerment | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Location specific drudgery reduction technologies | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| Women and child care | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **VI Agril. Engineering** | | | | | | | | | | |
| Farm Machinary and its maintenance | | | | | | | | | | |
| Installation and maintenance of micro irrigation systems | | | | | | | | | | |
| Use of Plastics in farming practices | | | | | | | | | | |
| Production of small tools and implements | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | |
| Small scale processing and value addition | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **VII Plant Protection** | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Disease Management | | | | | | | | | | |
| Bio-control of pests and diseases | | | | | | | | | | |
| Production of bio control agents and bio pesticides | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **VIII Fisheries** | | | | | | | | | | |
| Integrated fish farming | | | | | | | | | | |
| Carp breeding and hatchery management | | | | | | | | | | |
| Carp fry and fingerling rearing | | | | | | | | | | |
| Composite fish culture | | | | | | | | | | |
| Hatchery management and culture of freshwater prawn | | | | | | | | | | |
| Breeding and culture of ornamental fishes | | | | | | | | | | |
| Portable plastic carp hatchery | | | | | | | | | | |
| Pen culture of fish and prawn | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | |
| Edible oyster farming | | | | | | | | | | |
| Pearl culture | | | | | | | | | | |
| Fish processing and value addition | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **IX Production of Inputs at site** | | | | | | | | | | |
| Seed Production | | | | | | | | | | |
| Planting material production | | | | | | | | | | |
| Bio-agents production | | | | | | | | | | |
| Bio-pesticides production | | | | | | | | | | |
| Bio-fertilizer production | | | | | | | | | | |
| Vermi-compost production | | | | | | | | | | |
| Organic manures production | | | | | | | | | | |
| Production of fry and fingerlings | | | | | | | | | | |
| Production of Bee-colonies and wax sheets | | | | | | | | | | |
| Small tools and implements | | | | | | | | | | |
| Production of livestock feed and fodder | | | | | | | | | | |
| Production of Fish feed | | | | | | | | | | |
| Mushroom Production | | | | | | | | | | |
| Apiculture | 1 | 13 | | 13 | 7 | | 7 | 20 | | 20 |
| Others (pl specify) | 1 | 13 | | 13 | 7 | | 7 | 20 | | 20 |
| **Total** | | | | | | | | | | |
| **X Capacity Building and Group Dynamics** | | | | | | | | | | |
| Leadership development | | | | | | | | | | |
| Group dynamics | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | |
| Mobilization of social capital | | | | | | | | | | |
| Entrepreneurial development of farmers/youths | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **XI Agro-forestry** | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Production technologies | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Integrated Farming Systems | | | | | | | | | | |
| Others (pl specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **GRAND TOTAL** | 40 | 705 | | 705 | 95 | | 95 | 800 | | 800 |

**Training for Rural Youths including sponsored training programmes (On campus)**

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Nursery Management of Horticulture crops | | | | | | | | | | |
| Training and pruning of orchards | | | | | | | | | | |
| Protected cultivation of vegetable crops | | | | | | | | | | |
| Commercial fruit production | | | | | | | | | | |
| Integrated farming | | | | | | | | | | |
| Seed production | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | |
| Planting material production | | | | | | | | | | |
| Vermi-culture | | | | | | | | | | |
| Mushroom Production | | | | | | | | | | |
| Bee-keeping | | | | | | | | | | |
| Sericulture | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | |
| Value addition | | | | | | | | | | |
| Small scale processing | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | |
| Tailoring and Stitching | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | |
| Dairying | | | | | | | | | | |
| Sheep and goat rearing | | | | | | | | | | |
| Quail farming | | | | | | | | | | |
| Piggery | | | | | | | | | | |
| Rabbit farming | | | | | | | | | | |
| Poultry production | | | | | | | | | | |
| Ornamental fisheries | | | | | | | | | | |
| Composite fish culture | | | | | | | | | | |
| Freshwater prawn culture | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | |
| Pearl culture | | | | | | | | | | |
| Cold water fisheries | | | | | | | | | | |
| Fish harvest and processing technology | | | | | | | | | | |
| Fry and fingerling rearing | | | | | | | | | | |
| Any other (pl.specify) | | | | | | | | | | |
| **TOTAL** | | | | | | | | | | |

**Training for Rural Youths including sponsored training programmes (Off campus)**

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Nursery Management of Horticulture crops | 1 | 10 | | 10 | | | | 10 | | 10 |
| Training and pruning of orchards | | | | | | | | | | |
| Protected cultivation of vegetable crops | | | | | | | | | | |
| Commercial fruit production | | | | | | | | | | |
| Integrated farming | | | | | | | | | | |
| Seed production | 2 | 12 | | 12 | 8 | | 8 | 20 | | 20 |
| Production of organic inputs | | | | | | | | | | |
| Planting material production | | | | | | | | | | |
| Vermi-culture | 2 | 13 | | 13 | 7 | | 7 | 20 | | 20 |
| Mushroom Production | | | | | | | | | | |
| Bee-keeping | 1 | 9 | | 9 | 1 | | 1 | 10 | | 10 |
| Sericulture | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | |
| Value addition | | | | | | | | | | |
| Small scale processing | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | |
| Tailoring and Stitching | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | |
| Dairying | | | | | | | | | | |
| Sheep and goat rearing | | | | | | | | | | |
| Quail farming | | | | | | | | | | |
| Piggery | | | | | | | | | | |
| Rabbit farming | | | | | | | | | | |
| Poultry production | | | | | | | | | | |
| Ornamental fisheries | | | | | | | | | | |
| Composite fish culture | | | | | | | | | | |
| Freshwater prawn culture | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | |
| Pearl culture | | | | | | | | | | |
| Cold water fisheries | | | | | | | | | | |
| Fish harvest and processing technology | | | | | | | | | | |
| Fry and fingerling rearing | | | | | | | | | | |
| Any other (pl.specify) | | | | | | | | | | |
| **TOTAL** | 6 | 44 | | 44 | 16 | | 16 | 60 | | 60 |

**Training for Rural Youths including sponsored training programmes – CONSOLIDATED (On + Off campus)**

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Nursery Management of Horticulture crops | 1 | 10 | | 10 | | | | 10 | | 10 |
| Training and pruning of orchards | | | | | | | | | | |
| Protected cultivation of vegetable crops | | | | | | | | | | |
| Commercial fruit production | | | | | | | | | | |
| Integrated farming | | | | | | | | | | |
| Seed production | 2 | 12 | | 12 | 8 | | 8 | 20 | | 20 |
| Production of organic inputs | | | | | | | | | | |
| Planting material production | | | | | | | | | | |
| Vermi-culture | 2 | 13 | | 13 | 7 | | 7 | 20 | | 20 |
| Mushroom Production | | | | | | | | | | |
| Bee-keeping | 1 | 9 | | 9 | 1 | | 1 | 10 | | 10 |
| Sericulture | | | | | | | | | | |
| Repair and maintenance of farm machinery and | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| implements | | | | | | | | | | |
| Value addition | | | | | | | | | | |
| Small scale processing | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | |
| Tailoring and Stitching | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | |
| Dairying | | | | | | | | | | |
| Sheep and goat rearing | | | | | | | | | | |
| Quail farming | | | | | | | | | | |
| Piggery | | | | | | | | | | |
| Rabbit farming | | | | | | | | | | |
| Poultry production | | | | | | | | | | |
| Ornamental fisheries | | | | | | | | | | |
| Composite fish culture | | | | | | | | | | |
| Freshwater prawn culture | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | |
| Pearl culture | | | | | | | | | | |
| Cold water fisheries | | | | | | | | | | |
| Fish harvest and processing technology | | | | | | | | | | |
| Fry and fingerling rearing | | | | | | | | | | |
| Any other (pl.specify) | | | | | | | | | | |
| **TOTAL** | 6 | 44 | | 44 | 16 | | 16 | 60 | | 60 |

## Training programmes for Extension Personnel including sponsored training programmes (on campus)

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Productivity enhancement in field crops | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Nutrient management | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | |
| Protected cultivation technology | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | |
| Care and maintenance of farm machinery and implements | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | |
| Women and Child care | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | | | | | | | | | | |
| Group Dynamics and farmers organization | | | | | | | | | | |
| Information networking among farmers | | | | | | | | | | |
| Capacity building for ICT application | | | | | | | | | | |
| Management in farm animals | | | | | | | | | | |
| Livestock feed and fodder production | | | | | | | | | | |
| Household food security | | | | | | | | | | |
| Any other (pl.specify) | | | | | | | | | | |
| **TOTAL** | | | | | | | | | | |

## Training programmes for Extension Personnel including sponsored training programmes (off campus)

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Productivity enhancement in field crops | **3** | **21** | | **21** | **9** | | **9** | **30** | | **30** |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Nutrient management | **1** | **6** | | **6** | **4** | | **4** | **10** | | **10** |
| Rejuvenation of old orchards | **3** | **27** | | **27** | **3** | | **3** | **30** | | **30** |
| Protected cultivation technology | **1** | **7** | | **7** | **3** | | **3** | **10** | | **10** |
| Production and use of organic inputs | | | | | | | | | | |
| Care and maintenance of farm machinery and implements | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Women and Child care | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | | | | | | | | | | |
| Group Dynamics and farmers organization | | | | | | | | | | |
| Information networking among farmers | | | | | | | | | | |
| Capacity building for ICT application | | | | | | | | | | |
| Management in farm animals | | | | | | | | | | |
| Livestock feed and fodder production | | | | | | | | | | |
| Household food security | | | | | | | | | | |
| Any other (pl.specify) | **5** | **41** | | **41** | **9** | | **9** | **50** | | **50** |
| **TOTAL** | **13** | **102** | | **102** | **28** | | **28** | **130** | | **130** |

**Training programmes for Extension Personnel including sponsored training programmes – CONSOLIDATED (On + Off campus)**

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Productivity enhancement in field crops | **3** | **21** | | **21** | **9** | | **9** | **30** | | **30** |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Nutrient management | **1** | **6** | | **6** | **4** | | **4** | **10** | | **10** |
| Rejuvenation of old orchards | **3** | **27** | | **27** | **3** | | **3** | **30** | | **30** |
| Protected cultivation technology | **1** | **7** | | **7** | **3** | | **3** | **10** | | **10** |
| Production and use of organic inputs | | | | | | | | | | |
| Care and maintenance of farm machinery and implements | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | |
| Women and Child care | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | | | | | | | | | | |
| Group Dynamics and farmers organization | | | | | | | | | | |
| Information networking among farmers | | | | | | | | | | |
| Capacity building for ICT application | | | | | | | | | | |
| Management in farm animals | | | | | | | | | | |
| Livestock feed and fodder production | | | | | | | | | | |
| Household food security | | | | | | | | | | |
| Any other (pl.specify) | **5** | **41** | | **41** | **9** | | **9** | **50** | | **50** |
| **TOTAL** | **13** | **102** | | **102** | **28** | | **28** | **130** | | **130** |

**Table. Sponsored training programmes**

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| | | | | | | | | | | |
| **Crop production and management** | | | | | | | | | | |
| Increasing production and productivity of crops | **10** | **1265** | | **1265** | **129** | | **129** | **1394** | | **1394** |
| Commercial production of vegetables | **1** | **43** | | **43** | **17** | | **17** | **60** | | **60** |
| **Production and value addition** | | | | | | | | | | |
| Fruit Plants | **2** | **34** | | **34** | **16** | | **16** | **50** | | **50** |
| Ornamental plants | **2** | **38** | | **38** | **12** | | **12** | **50** | | **50** |
| Spices crops | | | | | | | | | | |
| Soil health and fertility management | | | | | | | | | | |
| Production of Inputs at site | | | | | | | | | | |
| Methods of protective cultivation | | | | | | | | | | |
| Others (pl. specify) | | | | | | | | | | |
| **Total** | **15** | **1380** | | **1380** | **174** | | **174** | **1554** | | **1554** |
| **Post harvest technology and value addition** | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl. specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **Farm machinery** | | | | | | | | | | |
| Farm machinery, tools and implements | | | | | | | | | | |
| Others (pl. specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **Livestock and fisheries** | | | | | | | | | | |
| Livestock production and management | | | | | | | | | | |
| Animal Nutrition Management | | | | | | | | | | |
| Animal Disease Management | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Fisheries Nutrition | | | | | | | | | | |
| Fisheries Management | | | | | | | | | | |
| Others (pl. specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **Home Science** | | | | | | | | | | |
| Household nutritional security | | | | | | | | | | |
| Economic empowerment of women | | | | | | | | | | |
| Drudgery reduction of women | | | | | | | | | | |
| Others (pl. specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **Agricultural Extension** | | | | | | | | | | |
| Capacity Building and Group Dynamics | | | | | | | | | | |
| Others (pl. specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **GRAND TOTAL** | **15** | **1380** | | **1380** | **174** | | **174** | **1554** | | **1554** |

**Name of sponsoring agencies involved**

## Details of vocational training programmes carried out by KVKs for rural youth

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| **Crop production and management** | | | | | | | | | | |
| Commercial floriculture | | | | | | | | | | |
| Commercial fruit production | | | | | | | | | | |
| Commercial vegetable production | | | | | | | | | | |
| Integrated crop management | | | | | | | | | | |
| Organic farming | **1** | **16** | | **16** | **4** | | **4** | **20** | | **20** |
| Others (pl. specify) | **1** | **19** | | **19** | **11** | | **11** | **30** | | **30** |
| **Total** | **2** | **35** | | **35** | **15** | | **15** | **50** | | **50** |
| **Post harvest technology and value addition** | | | | | | | | | | |
| Value addition | | | | | | | | | | |
| Others (pl. specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **Livestock and fisheries** | | | | | | | | | | |
| Dairy farming | | | | | | | | | | |
| Composite fish culture | | | | | | | | | | |
| Sheep and goat rearing | | | | | | | | | | |
| Piggery | | | | | | | | | | |
| Poultry farming | | | | | | | | | | |
| Others (pl. specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **Income generation activities** | | | | | | | | | | |
| Vermicomposting | | | | | | | | | | |
| Production of bio-agents, bio-pesticides, | | | | | | | | | | |
| bio-fertilizers etc. | **1** | **11** | | **11** | **9** | | **9** | **20** | | **20** |
| Repair and maintenance of farm machinery | | | | | | | | | | |
| and implements | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| Seed production | **1** | **18** | | **18** | **2** | | **2** | **20** | | **20** |
| Sericulture | | | | | | | | | | |
| Mushroom cultivation | | | | | | | | | | |
| Nursery, grafting etc. | | | | | | | | | | |
| Tailoring, stitching, embroidery, dying etc. | | | | | | | | | | |
| Agril. para-workers, para-vet training | | | | | | | | | | |
| Others (pl. specify) | **3** | **34** | | **34** | **26** | | **26** | **60** | | **60** |
| **Total** | **5** | **63** | | **63** | **37** | | **37** | **100** | | **100** |
| **Agricultural Extension** | | | | | | | | | | |
| Capacity building and group dynamics | | | | | | | | | | |
| Others (pl. specify) | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **Grand Total** | **7** | **98** | | **98** | **52** | | **52** | **150** | | **150** |

# IV. Extension Programmes

| Activities | No. of programmes | No. of farmers | No. of Extension Personnel | TOTAL |
|---|---|---|---|---|
| Advisory Services | 1220 | 1220 | | 1220 |
| Diagnostic visits | 15 | 90 | | 90 |
| Field Day | 12 | 276 | | 276 |
| Group discussions | 10 | 120 | | 120 |
| Kisan Ghosthi | 12 | 2652 | | 2652 |
| Film Show | 5 | 112 | | 112 |
| Self -help groups | 0 | 0 | | 0 |
| Kisan Mela | 10 | 2365 | | 2365 |
| Exhibition | 10 | 2365 | | 2365 |
| Scientists' visit to farmers field | 62 | 410 | | 410 |
| Plant/animal health camps | 0 | 0 | | 0 |
| Farm Science Club | 0 | 0 | | 0 |
| Ex-trainees Sammelan | 0 | 0 | | 0 |
| Farmers' seminar/workshop | 0 | 0 | | 0 |
| Method Demonstrations | 0 | 0 | | 0 |
| Celebration of important days | 3 | 78 | | 78 |
| Special day celebration | 2 | 58 | | 58 |
| Exposure visits | 2 | 100 | | 100 |
| Others (pl. specify) | 1 | 50 | | 50 |
| **Total** | **1364** | **9896** | | **9896** |

**Details of other extension programmes**

| Particulars | Number |
|---|---|
| Electronic Media (CD./DVD) | 0 |
| Extension Literature | 1 |
| News paper coverage | 36 |
| Popular articles | 2 |
| Radio Talks | 2 |
| TV Talks | 6 |
| Animal health amps (Number of animals treated) | 0 |
| Others (pl. specify) | 0 |
| **Total** | **47** |

| Name of KVK | Message Type | Type of Messages | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Crop | Livestock | Weather | Marke-ting | Aware-ness | Other enterprise | Total |
| | Text only | | | | | | | |
| | Voice only | 1220 | | | | 20 | | 1240 |
| | Voice & Text both | | | | | | | |
| | **Total Messages** | **1220** | | | | **20** | | **1240** |
| | **Total farmers Benefitted** | **1220** | | | | **20** | | **1240** |

# V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

| Number of KVKs organised Technology Week | Types of Activities | No. of Activities | Number of Participants | Related crop/livestock technology |
|---|---|---|---|---|
| | Gosthies | | | |
| | Lectures organized | | | |
| | Exhibition | | | |
| | Film show | | | |
| | Fair | | | |
| | Farm Visit | | | |
| | Diagnostic Practicals | | | |
| | Distribution of Literature (No.) | | | |
| | Distribution of Seed (q) | | | |
| | Distribution of Planting materials (No.) | | | |
| | Bio Product distribution (Kg) | | | |
| | Bio Fertilizers (q) | | | |
| | Distribution of fingerlings | | | |
| | Distribution of Livestock specimen (No.) | | | |
| | Total number of farmers visited the technology week | | | |

# VI. PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS

**Production of seeds by the KVKs**

| Crop | Name of the crop | Name of the variety | Name of the hybrid | Quantity of seed (q) | Value (Rs) | Number of farmers |
|---|---|---|---|---|---|---|
| Cereals | wheat | PBW-550 | | 225 | 399375 | Seed coorporation |
| | | | | | | |
| | | | | | | |
| Oilseeds | | | | | | |
| | | | | | | |
| | | | | | | |
| Pulses | | | | | | |
| | | | | | | |
| | | | | | | |
| Commercial crops | | | | | | |
| | | | | | | |
| | | | | | | |
| Vegetables | | | | | | |
| | | | | | | |
| | | | | | | |
| Flower crops | | | | | | |
| | | | | | | |
| | | | | | | |
| Spices | | | | | | |
| | | | | | | |
| | | | | | | |
| Fodder crop seeds | | | | | | |
| | | | | | | |
| | | | | | | |
| Fiber crops | | | | | | |
| | | | | | | |
| | | | | | | |
| Forest Species | | | | | | |
| | | | | | | |
| | | | | | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| Others | | | | | | |
| | | | | | | |
| | | | | | | |
| **Total** | | | | | | |

**Production of planting materials by the KVKs**

| Crop | Name of the crop | Name of the variety | Name of the hybrid | Number | Value (Rs.) | Number of farmers |
|---|---|---|---|---|---|---|
| Commercial | | | | | | |
| | | | | | | |
| | | | | | | |
| Vegetable seedlings | Brinjal | Pusa uttam | | 100 | | |
| | chilli | Pusa sadabahar | | 300 | | |
| | Tomato | | Pusa hy.-08 | 200 | | |
| | onion | ALR | | 2300 | | |
| | Bottle gourd | Pusa navin | | 250 | | |
| Fruits | | | | | | |
| | | | | | | |
| | | | | | | |
| Ornamental plants | Annual ornamental plant | Pusa Basanti | | 3000 | | |
| | | | | | | |
| | | | | | | |
| Medicinal and Aromatic | | | | | | |
| | | | | | | |
| | | | | | | |
| Plantation | | | | | | |
| | | | | | | |
| | | | | | | |
| Spices | | | | | | |
| | | | | | | |
| | | | | | | |
| Tuber | | | | | | |
| | | | | | | |
| | | | | | | |
| Fodder crop saplings | | | | | | |
| | | | | | | |
| | | | | | | |
| Forest Species | | | | | | |
| | | | | | | |
| | | | | | | |
| Others | | | | | | |
| | | | | | | |
| | | | | | | |
| **Total** | | | | **6150** | | |

**Production of Bio-Products**

| Bio Products | Name of the bio-product | Quantity Kg | Value (Rs.) | No. of Farmers |
|---|---|---|---|---|
| Bio Fertilisers | | | | |
| | | | | |
| | | | | |
| Bio-pesticide | | | | |
| | | | | |
| | | | | |
| Bio-fungicide | | | | |
| | | | | |
| | | | | |
| Bio Agents | | | | |
| | | | | |
| | | | | |
| Others | | | | |
| | | | | |
| **Total** | | | | |

**Table: Production of livestock materials**

| Particulars of Live stock | Name of the breed | Number | Value (Rs.) | No. of Farmers |
|---|---|---|---|---|
| **Dairy animals** | | | | |
| Cows | | | | |
| Buffaloes | | | | |
| Calves | | | | |
| Others (Pl. specify) | | | | |
| | | | | |
| **Poultry** | | | | |
| Broilers | | | | |
| Layers | | | | |
| Duals (broiler and layer) | | | | |
| Japanese Quail | | | | |
| Turkey | | | | |
| Emu | | | | |
| Ducks | | | | |
| Others (Pl. specify) | | | | |
| | | | | |
| **Piggery** | | | | |
| Piglet | | | | |
| Others (Pl.specify) | | | | |
| **Fisheries** | | | | |
| Indian carp | | | | |
| Exotic carp | | | | |
| Others (Pl. specify) | | | | |
| | | | | |
| **Total** | | | | |

# VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

| Samples | No. of Samples | No. of Farmers | No. of Villages | Amount realized (Rs.) |
|---|---|---|---|---|
| Soil | | | | |
| Water | | | | |
| Plant | | | | |
| Manure | | | | |
| Others (pl.specify) | | | | |
| | | | | |
| **Total** | | | | |

# VIII. SCIENTIFIC ADVISORY COMMITTEE

| Name of KVK | Number of SACs conducted |
|---|---|
| KVK Shamli | First 28.02.2019 |
| KVK Shamli | Second 17.12.2019 |

# IX. NEWSLETTER/MAGAZINE

| Name of News letter/Magazine | No. of Copies printed for distribution |
|---|---|
| Nil | |
| | |

# X. PUBLICATIONS

| Category | Number |
|---|---|
| Research Paper | 2 |
| Technical bulletins | |
| Technical reports | 4 |
| Others (pl. specify) | 4 |
| Book chapter | 4 |
| | |
| | |

# XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM

| Activities conducted | | | | |
|---|---|---|---|---|
| No. of Training programmes | No. of Demonstration s | No. of plant materials produced | Visit by farmers (No.) | Visit by officials (No.) |
| | | | | |
| | | | | |
| | | | | |

# XII. INTERVENTIONS ON DISASTER MANAGEMENT/UNSEASONAL RAINFALL/HAILSTORM/COLD WAVES ETC

Introduction of alternate crops/varieties

| Crops/cultivars | Area (ha) | Extent of damage | Recovery of damage through KVK initiatives if any |
|---|---|---|---|
| | | | |
| | | | |
| Total | | | |

Major area coverage under alternate crops/varieties

| Crops | Area (ha) | Number of beneficiaries |
|---|---|---|
| Oilseeds | | |
| Pulses | | |
| Cereals | | |
| Vegetable crops | | |
| Tuber crops | | |
| | | |
| | | |
| | | |
| **Total** | | |

Farmers-scientists interaction on livestock management

| Livestock components | Number of interactions | No.of participants |
|---|---|---|
| | | |
| | | |
| **Total** | | |

Animal health camps organised

| Number of camps | No.of animals | No.of farmers |
|---|---|---|
| | | |
| | | |
| **Total** | | |

Seed distribution in drought hit states

| Crops | Quantity (qtl) | Coverage of area (ha) | Number of farmers |
|---|---|---|---|
| | | | |
| | | | |
| **Total** | | | |

Large scale adoption of resource conservation technologies

| Crops/cultivars and gist of resource conservation technologies introduced | Area (ha) | Number of farmers |
|---|---|---|
| | | |
| | | |
| **Total** | | |

Awareness campaign

| | Meetings | | Gosthies | | Field days | | Farmers fair | | Exhibition | | Film show | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. | No.of farmers | No. | No.of farmers | No. | No.of farmers | No. | No.of farmers | No. | No.of farmers | No. | No.of farmers |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| **Total** | | | | | | | | | | | | |

# XIII. DETAILS ON HRD ACTIVITIES

**A. HRD activities organized in identified areas for KVK staff by the Directorate of Extension**

| Name of the SAU | Title of the training programmes | No of programmes | No. of Participants | No. of KVKs involved |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| **Total** | | | | |

**B. HRD activities organized in identified areas for KVK staff by Zonal Project Directorate**

| Title of the training programmes | No of programmes | No. of Participants | No. of KVKs involved |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| **Total** | | | |

## XIV. CASE STUDIES (CASE STUDIES MAY BE GIVEN IN DETAIL AS PER THE FOLLOWING FORMAT)

***Each Zone should propose a minimum of three case studies with good action photographs (with captions on the backside of the hard copy of the photos) on the following topics***

a) ***Effective popularization on a larger scale of any one FLD technology and its role in transformation of district agriculture with respect to that particular crop or enterprise***
b) ***Performance of the end results of any one technology assessed, its refinement if any and its impact in district agriculture with respect to that crop or enterprise***
c) ***Effect of production and supply of seeds and planting material / animal breed / or bio-product and its impact on district agriculture with respect to that crop/ enterprise/ bio-product***

***The general format for preparing the above case studies are furnished below***

**Name of the KVK**

**TITLE**

**Introduction**

**KVK intervention**

**Output**

**Outcome**

**Impact**

## XIV. AGRICULTURAL TECHNOLOGY INFORMATION CENTRE

### A. Details on ATICs

| S. No | Name of the ATIC | Name of the Host Institute | Name of the ATIC Manager |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

### B. Details on Farmer's visit

| S. No | Purpose of visit | Number of farmer's visited |
|---|---|---|
| 01 | Technology Information | |
| 02 | Technology Products | |
| 03 | Others if any pl. specify | |

### C. Facilities in the ATIC which are in operation

| S. No | Particulars | Availability (Please √ mark) | Number of ATICs |
|---|---|---|---|
| 01 | Reception counter | | |
| 02 | Exhibition / technology museum | | |
| 03 | Touch screen Kiosk | | |
| 04 | Cafeteria | | |
| 05 | Sales counter | | |
| 06 | Farmer's feedback register | | |
| 07 | Others if any (please specify) | | |

### D. Technology information provided

### D.1. Details on technology information

| S. No | Information category | Number of ATICs | Total number of farmers benefitted | Category of information | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Varieties / hybrids | Pest management | Disease management | Agro-techniques | Soil and water conservation | Post Harvest technology and Value addition | Animal Husbandry and fisheries |
| 01 | Kisan Call Centre / other Phone calls from farmers | | | | | | | | | |
| 02 | Video shows | | | | | | | | | |
| 03 | Letters received | | | | | | | | | |
| 04 | Letters replied | | | | | | | | | |
| 05 | Training to farmers / technocrats / students | | | | | | | | | |
| 06 | Others pl. specify | | | | | | | | | |

### D.2 . Publications (Print & Electronic media)

| S. No | Particulars | Number sold | Revenue generated in Rs. | Number of farmers benefited |
|---|---|---|---|---|
| 01 | Books | | | |
| 02 | Technical bulletins | | | |
| 03 | Technology Inventory | | | |
| 04 | CDs | | | |
| 05 | DVDs | | | |
| 06 | Video films | | | |
| 07 | Audio CDs | | | |
| 08 | Others if any (please specify) | | | |

### E. Technology Products provided

| S. No | Particulars | Quantity | Unit of quantity | Value in Rs. | Number of farmers benefited |
|---|---|---|---|---|---|
| 01 | Seeds | | Quintal | | |
| 02 | Planting materials | | Numbers | | |
| 03 | Livestock | | Numbers | | |
| 04 | Poultry birds | | Numbers | | |
| 05 | Bio-products | | Quintals | | |
| 06 | Others pl. specify | | | | |

### F. Technology services provided

| S. No | Particulars | Number of farmers benefited |
|---|---|---|
| 01 | Soil and water testing | |
| 02 | Plant diagnostics | |
| 03 | Details about the services to line Departments | |
| 04 | Others if any (please specify) | |

## XV. TECHNOLOGICAL BACKSTOPPING BY DIRECTORATES OF EXTENSION

**States covered:**

**Number of Directorates of Extension:**

**A. Details on Directors of Extension**

| S. No | Name of the SAU | Name of the Director of Extension | Number of KVKs for which technological backstopping is provided | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | SAU/CAU | DU | ICAR | NGO | SDA | Others (pl. specify) |
| | | | | | | | | |
| | | | | | | | | |

**B. Workshops / meetings organized**

| S. No. | Details of workshop/meeting conducted | No. of KVKs participated |
|---|---|---|
| | | |
| | | |

**C. Visits made by DE / Officials in the Directorate to KVKs**

| S. No. | Particulars | Number of visits |
|---|---|---|
| 01 | SAC meetings | 01 |
| 02 | Field days | |
| 03 | Workshops / seminars | |
| 04 | Technology week | |
| 05 | Training programmes | |
| 06 | Others pl. specify | |

**D. Overseeing of KVKs activities**

| S. No. | Particulars | Number of fields visited | Major observations / remarks | Major suggestions given |
|---|---|---|---|---|
| 01 | On Farm Trials | | | |
| 02 | Front Line Demonstration | | | |
| 03 | Others pl. specify | | | |

**E. Publication on Technology inventory**

| S. No. | Particulars | Number |
|---|---|---|
| 01 | Directorates published the technological inventory | |
| 02 | Directorates constantly updating the technological inventory | |

**F. Technological Products provided to KVKs**

| S. No. | Major technologies provided | Number of KVKs |
|---|---|---|
| 01 | Seeds | |
| 02 | Planting materials | |
| 03 | Bio-products | |
| 04 | Livestock breed | |
| 05 | Livestock products | |
| 06 | Poultry breed | |
| 07 | Poultry products | |
| 08 | Others pl. specify | |

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