

**(April-2019 To March-2020)**



**DETAILS OF ACTION PLAN OF KVKs DURING 2019-20**

**(1st April 2019 to 31st March 2020)**

1. GENERAL INFORMATION ABOUT THE KVK

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Address | Telephone | | E mail | Website |
| Krishi Vigyan Kendra, Borwat Farm, Banswara (Raj.) 327001 | Office | FAX | [kvkbanswara3@ gmail.com](mailto:kvkbanswara@gmail.com) | www.mpuat.ac.in |
| 02962-260069 |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Address | Telephone | | E mail | Website |
| Office | FAX |
| Directorate of Extension Education, MPUAT, Udaipur | 0294-2417697 | 0294-2412515 | [deempuatudr@gmail.com](mailto:deempuatudr@gmail.com),  deempuatudr@yahoo.com | www.mpuat.ac.in |

1.2.b. Status of KVK website : Yes/No : Yes

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) :

1.2.d Status of ICT lab at your KVK : NA

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

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Telephone / Contact | | |
| Dr. R.L. Soni | Office | Mobile | Email |
| 02962-260069 | 9636792255 | kvkbanswara3@gmail.com |

1.4. Year of sanction: 1983

**1.5. Staff Position (as on 31 December 2018)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.**  **No.** | **Sanctioned post** | **Name of the incumbent** | **Designation** | **Discipline** | **Pay Scale (Rs.)** | **Grade Pay** | **Present basic (Rs.)** | **Date of joining** | **Permanent**  **/Temporary** | **Category (SC/ST/OBC/**  **Others)** | **Mobile No.** | **Email id** | **Please attach recent photograph** |
| 1 | Senior Scientist & Head | Dr. R.L. Soni | Sr. Scientist & Head | Agri. Ext. Edu. | 37400-67000 | 9000 | 53820 | 18-9-2007 | Temporary | OBC | 9636792255 | kvkbanswara3@gmail.com | drsoni.jpg |
| 2 | Scientist | Dr. H.L. Bugalia | Scientist | Animal Science | 15600-39100 | 7000 | 27120 | 31.12.2011 | Temporary | OBC | 9001590701 | kvkbanswara3@gmail.com | drbugalia.jpg |
| 3 | Scientist | Dr. B.S.Bhati | Scientist | Horticulture | 15600-39100 | 7000 | 26370 | 25.6.2013 | Temporary | Others | 9829422993 | bhati.bsbikaner@gmail.com | drbhati.jpg |
| 4 | Scientist | Vacant | Scientist | Agro | - |  | - | - | - | - | - |  |  |
| 5 | Scientist | Vacant | Scientist | Soil Sc. | - |  | - | - | - | - | - |  |  |
| 6 | Scientist | Vacant | Scientist | Fisheries | - | - | - | - | - | - | - |  |  |
| 7 | Scientist | Vacant | Scientist | Home Sc. | - |  | - | - | - | - | - |  |  |
| 8 | Programme Assistant | Dr. G.L. Kothari | STA | Agriculture Extension Education | 1L-15 | - | 100200 | 20-2-1990 | Temporary | Others | 9414786256 | kvkbanswara@gmail.com | **05.jpg** |
| 9 | Farm Manager | Vacant | T.A. | Ag. |  |  |  |  |  |  |  |  |  |
| 10 | Computer Programmer | Mrs. Rashmi Dave | T.A. | Home Science | 0L-12 | - | 61300 | 13-8-2003 | Temporary | Others | 9460584423 | kvkbanswara3@gmail.com | IMG-20161003-WA0037 |
| 11 | Accountant | Vacant | Accountant | - | - |  | - | - | - | - | - |  |  |
| 12 | Stenographer\* | Vacant | Stenographer\* |  |  |  |  |  |  |  |  |  |  |
| 13 | Driver | Vacant | Driver | - | - | - | - | - | - | - | - | - |  |
| 14 | Driver | Vacant | Driver | - | - | - | - | - | - | - | - |  |  |
| 15 | Supporting staff | Vacant | Supporting Staff | - |  |  |  |  |  |  |  |  |  |
| 16 | Supporting staff | Sh. Hemraj | Supporting Staff | - | 5200 -20200 | 1750 | 10210 | 3-1-1989 | Temporary | OBC | 9460521335 | kvkbanswara@gmail.com | hemrajji.jpg |

**1.6. Total land with KVK (in ha) :**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Item** | **Area (ha)** |
| 1 | Under Buildings | 0.69 |
| 2. | Under Demonstration Units | 0.037 |
| 3. | Under Crops | 4.50 |
| 4. | Horticulture | 6.00 |
| 5. | Pond | 0.20 |
| 6. | Others if any | 0.61 |

**1.7. Infrastructural Development:**

**A) Buildings**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.**  **No.** | **Name of building** | **Source of**  **funding** | **Stage** | | | | | |
| **Complete** | | | **Incomplete** | | |
| **Completion**  **Year** | **Plinth area (Sq.m)** | **Expenditure (Rs.)** | **Starting year** | **Plinth area**  **(Sq.m)** | **Status of construction** |
| 1. | Administrative  Building | ICAR | 1988 | 441.85 | Constructed by EO and handed over to KVK | | | |
| 2. | Farmers Hostel | ICAR | 1985 | 372.0 | Constructed by EO and handed over to KVK | | | |
| 3. | Staff Quarters (6) | ICAR | 2006-07 | 405.0 | Constructed by EO and handed over to KVK | | | |
| 4. | Demonstration Units (2) | Other agency | 1992 | 372.33 | 3.00 | - | - | - |
| 5 | Fencing | ICAR | 2015 | - | - | - | - | - |
| 6 | Rain Water harvesting system | ICAR | 2008 | 35 | 9.72 | - | - | - |
| 7 | Threshing floor | ICAR | 2007 | - | 1.00 | - | - | - |
| 8 | Farm godown | ICAR | - | EO office | - | - | - | - |
| 9 | Poultry | NAIP | 2014 | - | 11.00 | - | - | - |

**B) Vehicles**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of vehicle** | **Year of purchase** | **Cost (Rs.)** | **Total kms. Run** | **Present status** |
| Bolero Jeep | 2007 | 500000 | 271186 | Running |
| Motor Cycle | 2004 | 27000 | 105778 | Running |
| Motor Cycle | 2011 | 50000 | 42064 | Running |

**C) Equipments & AV aids**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the equipment** | **Year of purchase** | **Cost (Rs.)** | **Present status** |
| LCD | 2005 | 82,620 | Good |
| Television + VCD | 2007 | 26,200 | Good |
| Video Conferencing | 2007 | 1,70,840 | Good |
| Digital Camera | 2009 | 15,000 | Good |
| Digital Camera | 2011 | 27,000 | Good |
| KYAN | 2017 | 1,00,000 | Good |
| Digital Camera | 2017 | 48000 | Good |

**1.8. A). Details of SAC meetings to be conducted in the year**

|  |  |
| --- | --- |
| **Sl.No.** | **Date** |
| 1. Scientific Advisory Committee | 04.09.2018 |

d`f”k foKku dsUnz ckalokMk dh oSKkfud lykgdkj lfefr dh cSBd 4 flrEcj 2018 dks egkjk.kk izrki d`f”k ,oa izkS|ksfxdh fo’ofo|ky;] mn;iqj ds izlkj f’k{kk funs’kd MkW- Lusgyrk ekgs’ojh dh v/;{krk ,ao laHkkxh; funs’kd MkW- izeksn jksdfM+;k ds fof’k”V vkfrF; esa lEiUu gqbZA izkjEHk esa MkW-vkj-,y-lksuh us cSBd esa i/kkjs vkxarqd vfrfFk;ksa dk Lokxr fd;k ,oa foxr cSBd esa fn;s x;s lq>koksa ,oa muds vuqdj.k ds ckjs esa izdk’k Mkyk rFkk mlds i’pkr~ o”kZ 2018 ds izxfr izfrosnu is’k dj dsUnz dh foxr o”kZ dh xfrfof/k;ksa ij izdk’k MkykA

**bl cSBd esa fuEufyf[kr vfrfFk;ksa ,oa lnL;ksa us Hkkx fy;kA**

|  |  |  |  |
| --- | --- | --- | --- |
| **Ø-la-** | **uke** | **in** | **foHkkx** |
| 1 | MkW- Lusgyrk ekgs’ojh | funs”kd] izlkj f”k{kk | e-iz-Ñ-fo-fo-] mn;iqj |
| 2 | MkW-ih-ds-jksdfM+;k | {ks=h; vuqla/kku funs”kd | ,-vkj-,l-] ckalokM+k |
| 3 | MkW-ih-lh-piyksr | izksQslj] lL; foKku | e-iz-Ñ-fo-fo-] mn;iqj |
| 4 | MkW-gjfxykl eh.kk | lgizk/;kid] lL; foKku | ,-vkj-,l-] ckalokM+k |
| 5 | MkW-iz”kkUr tkEcqydj | lgk;d izk/;kid] ikS/kO;kf/k | ,-vkj-,l-] ckalokM+k |
| 6 | MkW- jes”k ckcq | lgk;d izk/;kid] dhV foKku | ,-vkj-,l-] ckalokM+k |
| 7 | Jh Hkqjkyky ikfVnkj | mifuns”kd ¼Ñf’k½ | d`f’k foHkkx] ckalokM+k |
| 8 | Jh vkj-ds-tkjksyh | mifuns”kd ¼Ñf’k½ vkRek | d`f’k foHkkx] ckalokM+k |
| 9 | MkW- dSyk”k “kekZ | lgk;d funs”kd] m|ku | m|ku foHkkx] ckalokM+k |
| 10 | Jh “kkafryky Mkeksj | lgk;d funs”kd] m|ku | ckalokM+k |
| 11 | Jh ds-lh-eh.kk | lgk;d funs”kd Ñf’k foLrkj | ckalokM+k |
| 12 | Jh jkelsod c?ksy | lgk;d fun”kd] Ñf’k izlkj | ckalokM+k |
| 13 | Jh lqHkk’k tSu | MhMh,e | ukckMZ] ckalokM+k |
| 14 | Jh ftrsUnz pkS/kjh | izkstsDV Mk;jsDVj | fjyk;al Qkm.Ms”ku] ckalokM+k |
| 15 | Jh lqjs”k feJk | lhbZvks | ts-ds-,-ih-lh-,y-] ckalokM+k |
| 16 | Jh dqynhi “kekZ | vuqla/kku vf/kdkjh | e`nk ty ijh{k.k iz;ksx”kkyk] ckalokM+k |
| 17 | MkW-ykypUn | izfrfuf/k | i”kqikyu foHkkx] ckalokM+k |
| 18 | Jh vejpUn | izxfr”khy fdlku | pM+yk |
| 19 | Jh fgjkyky | izxfr”khy fdlku | tquhikVu |
| 20 | MkW-,p-,y-cqxkfy;k | oSKkfud] i”kq mRiknu | dsohds] ckalokM+k |
| 21 | MkW-ch-,l-HkkVh | oSKkfud] m|ku foKku | dsohds] ckalokM+k |
| 22 | MkW- th-,y-dksBkjh | ofj"B rduhdh lgk;d ¼izlkj½ | dsohds] ckalokM+k |
| 23 | Jherh jf”e nos | dk;ZØe lgk;d | dsohds] ckalokM+k |
| 24 | Jh nsohyky | dfu"B fyfid | dsohds] ckalokM+k |
| 25 | MkW- vkj-,y-lksuh | lfpo& oSKkfud lykgdkj lfefr | dsohds] ckalokM+k |

**oSKkfud lykgdkj lfefr cSBd esa vkxUrqd vfrfFk;ksa us fuEufyf[kr lq>ko fn;s%**

|  |  |  |
| --- | --- | --- |
| dz-l- | lq>ko | fdz;kfUofr lUnHkZ |
| 1 | mUur i’kqikyu ds rgr nw/k c<+kus ds fy;s feujy feDlpj ds izn’kZuksa dks c<+k;k tk;sA | ofj”B oSKkfud ,oa izHkkjh ,oa Ik’kqikyu oSKkfud |
| 2 | vk;kZ izf’kf{kr ;qokvksa dks vU; foHkkxksa ls tksM+sA | ofj”B oSKkfud ,oa izHkkjh ,oa Ik’kqikyu oSKkfud |
| 3 | ftys esa vtksyk] mPp ewY; dh m|kfudh Qlyksa ij izf’k{k.k vk;ksftr djsaA | ofj”B oSKkfud ,oa izHkkjh ,oa leLr oSKkfud |
| 4 | efgyk l’kfDrdj.k dks c<+kok nsus gsrq eqY; lao/kZu ij izf’k{k.k vk;ksftr djsaA | ofj”B oSKkfud ,oa izHkkjh ,oa x`g oSKkfud |
| 5 | fdlkuksa ds mRiknd lewg cukdj mudks cktkj ls tksMus dk iz;kl djsA | ofj”B oSKkfud ,oa izHkkjh ,oa leLr oSKkfud |
| 6 | lQy dk;dzeksa ds izpkj izlkj gsrq vk/kqfud n`’; lk/uksa dk iz;ksx djsaA | ofj”B oSKkfud ,oa izHkkjh ,oa leLr oSKkfud |
| 7 | ftys esa u;h Qlyksa ds ckjs esa QhMcsd ysdj ml ij ijh{k.k vk;ksftr djsaA ,ao dsUnz ds dk;Zdzeksa dk lkekftd vkfFkZd ewY;kadu Hkh djsaA | ofj”B oSKkfud ,oa izHkkjh ,oa leLr oSKkfud |
| 8 | m|kfudh Qlyksa ds izFke ifDr izn’kZuksa ls izkIr vkadM+ks dkss vU; lLFkkvksa o foHkkxksa dks Hkh miyC/k djk;saA | ofj”B oSKkfud ,oa izHkkjh ,oa m|kfudh oSKkfud |
| 9 | vke esa ekWy Qkjesa’ku ij izf’k{k.k vk;ksftr fd;s tk;saA | ofj”B oSKkfud ,oa izHkkjh ,oa m|kfudh oSKkfud |
| 10 | izf’k{k.kks esa Hkwfe mipkj ds fy;s VªkbdksMekZ ds mi;ksx dks c<+kok fn;k tk;saA | ofj”B oSKkfud ,oa izHkkjh |
| 11 | dhV izdksi dh iwoZ lwpuk eslst iksVZy }kjk fdlkuksa dks lwfpr djsaA | ofj”B oSKkfud ,oa izHkkjh |
| 12 | e’k#e mRiknu ij izf’k{k.k vk;ksftr fd;s tk;saA | ofj”B oSKkfud ,oa izHkkjh ,oa izk;ksftr izf’k{k.k izHkkjh |
| 13 | ljaf{kr [ksrh esa fo’ks”kdj ikWyhgkml okys d`”kdksa dks izf’kf{kr fd;k tk;sA | ofj”B oSKkfud ,oa izHkkjh ,oa m|kfudh oSKkfud |
| 14 | ikWyhgkml esa lq=d`fe izca/ku ,ao QVhZxs'ku ij izf’k{k.k vk;ksftr fd;k tk;saA | ofj”B oSKkfud ,oa izHkkjh ,oa m|kfudh oSKkfud |
| 15 | dsUnz ij vk;ksftr izf’k{k.kks esa fdlkuksa dks jk”Vªh; d`f”k ;kstukvksa ls voxr djk;saA | ofj”B oSKkfud ,oa izHkkjh ,oa izk;ksftr izf’k{k.k izHkkjh |
| 16 | dsUnz }kjk vk;ksftr izf’k{k.kkas esa vU; lLFkakvks ls Hkh d`”kd@d`”kd efgyk vkefU=r djasA | ofj”B oSKkfud ,oa izHkkjh ,oa izk;ksftr izf’k{k.k izHkkjh |

**2. DETAILS OF DISTRICT**

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

|  |  |
| --- | --- |
| S. No | Farming system/enterprise |
| 1 | Crop based : Maize/Cotton/Soybean/Paddy-Wheat/Rabi Maize/Gram/Summer greengram |
| 2 | Horticulture based : Chilli/Tomato/Brinjal/Okra/ Onion/Cucurbits |
| 3 | Live stock based : Cow/Buffalo/Goat |

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

**a) Soil type**

|  |  |  |
| --- | --- | --- |
| Sl. No. | Agro-climatic Zone | Characteristics |
| 1 | Southern Humid Plain Zone (IV B) | High rainfall and relative humidity |

**b) Topography**

|  |  |  |
| --- | --- | --- |
| S. No. | Agro ecological situation | Characteristics |
| 1 | AES-I | Sandy loam soil, medium rainfall, medium elevation |
| 2 | AES-II | Medium black soil, high rainfall, medium elevation |
| 3 | AES-III | Medium black soil, high rainfall, high elevation |

2.3 Soil Types

|  |  |  |  |
| --- | --- | --- | --- |
| S. No | Soil type | Characteristics | Area in ha |
| 1 | Medium black clay soil | Heavier and content high clay, high water holding capacity and suitable for cotton and soybean | 10.50 |
| 2 | Medium brown clay soil | 15.56 |
| 3 | Medium brown loamy soil | 21.55 |
| 4 | Medium brown gravelly loam | Medium in clay and suitable for vegetables and most crops | 13.48 |
| 5 | Red gravelly loamy hilly sols | Light soils, low water holding capacity and suitable for maize and pulses | 3.75 |
| 6 | Medium red loamy | 21.39 |
| 7 | Shollow red gravelly loam | Lights soils | 13.22 |

**2.4. Area, Production and Productivity of major crops cultivated in the district (2018-19)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No | Crop | Area (ha) | Production (MT.) | Productivity (kg./ha) |
| 1 | Paddy | 28592 | 62902 | 2200 |
| 2 | Maize | 97523 | 209674 | 2150 |
| 3 | Urd | 8811 | 6167 | 700 |
| 4 | Soybean | 69136 | 127901 | 1850 |
| 5 | Cotton | 10576 | 6874 | 650 |
| 6 | Wheat | 87286 | 260985 | 2990 |
| 7 | Barley | 888 | 986 | 1110 |
| 8 | Gram | 11856 | 15175 | 1280 |
| 9 | Rabi Maize | 13677 | 65171 | 4765 |

*Source: Office of District Collector, Banswara*

**2.5. Weather data (2018)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Month | Rainfall (mm) | Temperature 00 C | | Relative Humidity (%) | |
| Maximum | Minimum | Maximum | Minimum |
| April 2018 | - | 40.2 | 19.5 | 56 | 17 |
| May 2018 | - | 42.6 | 27.0 | 53 | 21 |
| June 2018 | 38 | 41.5 | 24.5 | 85 | 30 |
| July 2018 | 311.1 | 32.8 | 24.4 | 90 | 65 |
| August 2018 | 212.2 | 31.8 | 28.8 | 90 | 62 |
| September 2018 | 142.1 | 32.9 | 20.4 | 87 | 55 |
| October 2018 | - | 36.1 | 15.5 | 78 | 32 |
| November 2018 | - | 34.1 | 12.2 | 80 | 21 |
| December 2018 | - | 28.8 | 6.3 | 82 | 28 |
| Total | 703.4 |  |  |  |  |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Population** | **Production** | **Productivity** |
| **Cattle** | | | |
| *Cattle* | 634771 | 450 lit/lactation | 1.5 lit/day |
| *Crossbreed* | 5909 | 1350 lit/lactation | 4.5 lit/day |
| **Buffalo** | 265630 | 750 lit/lactation | 2.5 lit./day |
| **Sheep** | 7207 | - | - |
| **Goats** | 460460 | - | 250 ml/day |
| **Pigs** | | | |
| *Crossbred* | - | - | - |
| *Indigenous* | 125 | - | - |
| **Rabbits** | 729 | - | - |
| **Poultry** | | | |
| Hens | - | - | - |
| *Desi* | 360290 | 30-40 eggs/year | - |
| **Category** |  | Production (Q.) | Productivity |
| Fish (Reservoir) | 22000 ha | 250 mt | 100 kg/ha/yr |

*\*Statical report*

**2.7 Details of Operational area / Villages**

| **Taluka** | **Name of the block** | **Name of the village** | **Major crops & enterprises** | **Major problem identified** | **Identified Thrust Areas** |
| --- | --- | --- | --- | --- | --- |
| Bagidora | Bagidora | Pateliya ,  Juni patan, Vadlipada, Sangrampura | Maize  Wheat  Soybean  Vegetables  Pulses | * Low yield of major cereals and pulses. * Low seed replacement rate of pulses. * Non descrpt breed of goat. * Malnutrition in farm families. | * Enhancing productivity of maize, paddy, soybean and cotton during *kharif ,* wheat and gram during *rabi* and greengram during *zaid* season. * Diversifications of existing cropping systems by promoting cultivation of vegetables and fruit plants such as mango (Mallika, Kesar, Dasheri etc.), Aonla (NA- 7, Chakaiya) and Guava (L-49) and conservation of genetic resources of mango. * Improving the indigenous breeds of goat by breeding and management. * Imparting vocational training to tribal youth for self-employment generation on fruit plant nursery raising, livestock production, agro processing of soybean & mango |
| Sajjangarh | Sajjangarh | Goika Pargi, Goika Baria, Rupgarh, Jalimpura, Kushalipada, Waka Khunta, Pandwal Lunja, Pandwal Oonkar, Aamlipada, Sukheda, Vaagol | Maize  Wheat  Soybean  Vegetables  Pulses | * Low yield of major cereals and pulses. * Low seed replacement rate of pulses. * Non descript breed of goat. * Malnutrition in farm families. * Lack of improved quality breed of Poultry | * Enhancing productivity of maize, paddy, soybean and cotton during *kharif ,* wheat and gram during *rabi* and greengram during *zaid* season. * Improving the indigenous breeds of goat by breeding and management * Imparting vocational training to tribal youth for self-employment generation on fruit plant nursery raising, livestock production, agro processing of soybean & mango. * Exploring possibilities of aqua culture in tribal belt of Banswara. * Promotion dry land farming technologies with emphasis on water harvesting * Promotion of improved backyard poultry birds |
| Ghatol | Ghatol | Todi Simrol,  Sita Talai, Amarthoon , Bhompada,  Chadla, Kehari,  Jambudi, Kanpura | Maize  Wheat  Soybean  Vegetables  Pulses | * Low yield of major cereals and pulses. * Low seed replacement rate of pulses. * Non descript breed of goat. * Malnutrition in farm families. | * Enhancing productivity of maize, paddy, soybean and cotton during *kharif ,* wheat and gram during *rabi* and greengram during *zaid* season. * Increasing the seed replacement rate through promotiong seed production techniques of self pollinated crops * Diversifications of existing cropping systems by promoting cultivation of vegetables and fruit plants such as mango (Malika, Kesar, Dasheri), Aonla (NA 7, Chakya) and Guava (L 49) and conservation of genetic resources of mango * Improving the indigenous breeds of goat by breeding and management * Imparting vocational training to tribal youth for self-employment generation on fruit plant nursery raising, livestock production, agro processing of soybean & mango |
| Anandpuri | Anandpuri | Chhayna, Mundari, Jher | Maize  Wheat  Soybean  Vegetables  Pulses | * Low yield of major cereals and pulses. * Low seed replacement rate of pulses. * Non descript breed of goat. * Malnutrition in farm families. | * Enhancing productivity of maize, paddy, soybean and cotton during *kharif ,* wheat and gram during *rabi* and greengram during *zaid* season. * Increasing the seed replacement rate through promotiong seed production techniques of self pollinated crops * Diversifications of existing cropping systems by promoting cultivation of vegetables and fruit plants such as mango (Malika, Kesar, Dasheri), Aonla (NA 7, Chakya) and Guava (L 49) and conservation of genetic resources of mango * Improving the indigenous breeds of goat by breeding and management * Imparting vocational training to tribal youth for self-employment generation on fruit plant nursery raising, livestock production, agro processing of soybean & mango |
| Banswara | Banswara | Ruparel, Vageri Hareng, Samapada, Vageri Charpota, Mendiya Katara, Bhamarkada, Gaagri | Maize  Wheat  Soybean  Vegetables  Pulses | * Low yield of major cereals and pulses. * Low seed replacement rate of pulses. * Non descript breed of goat. * Malnutrition in farm families. | * Enhancing productivity of maize, paddy, soybean and cotton during *kharif ,* wheat and gram during *rabi* and greengram during *zaid* season. * Increasing the seed replacement rate through promotiong seed production techniques of self pollinated crops * Diversifications of existing cropping systems by promoting cultivation of vegetables and fruit plants such as mango (Malika, Kesar, Dasheri), Aonla (NA 7, Chakya) and Guava (L 49) and conservation of genetic resources of mango * Improving the indigenous breeds of goat by breeding and management * Imparting vocational training to tribal youth for self-employment generation on fruit plant nursery raising, livestock production, agro processing of soybean & mango |

**2.8 Priority thrust areas**

|  |  |
| --- | --- |
| **S.N.** | **Thrust area** |
| 1 | Enhancing productivity of maize, paddy, soybean and cotton during *kharif ,* wheat and gram during *rabi* and greengram during *zaid* season |
| 2 | Increasing the seed replacement rate through promotiong seed production techniques of self pollinated crops |
| 3 | Diversifications of existing cropping systems by promoting cultivation of vegetables and fruit plants such as mango (Malika, Kesar, Dasheri, etc.), Aonla (NA-7, Chakaiya) and Guava (L-49) and conservation of genetic resources of mango |
| 4 | Promotion dry land farming technologies with emphasis on water harvesting |
| 5 | Improving the indigenous breeds of goat by breeding and management |
| 6 | Empowerment of women through drudgery reduction in agriculture and animals husbandry, improvement in the nutrition, health, hygiene and by using improve agricultural implements |
| 7 | Imparting vocational training to tribal youth for self-employment generation on fruit plant nursery raising, livestock production, agro processing of soybean & mango |
| 8 | Exploring possibilities of aqua culture in tribal belt of Banswara |
| 9 | Capacity building of rural youth in agri and allied vocations for self-employment and enterprise establishment. |

**3. B. Abstract of interventions to be undertaken**

| **S. No** | **Thrust area** | **Crop/**  **Enterprise** | **Identified Problem** | **Interventions** | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Title of OFT if any** | **Title of FLD if any** | **Title of Training if any** | **Title of training for extension personnel if any** | **Extension activities** | **Supply of seeds, planting materials etc.** |
| 1 | Balanced nutrient management | Onion | Imbalance fertilizer use and no use of Zinc | Balanced nutrient management in onion |  |  |  |  |  |
| 2 | Use of growth harmon | Chilli | Shedding of flowers and frurits and no use of growth regulators | Effect of auxin on yield of chilli |  |  |  |  |  |
| 3 | Dairy management | Cattle | Low milk yield | Effect of mineral mixture along with by-pass protein supplement to increase milk production in dairy cattle |  |  |  |  |  |
| 4 | Poultry management | Existing breed | Low body weight gain & less egg production due to heat stress | Assessment the impact of Electrolytes to control heat stress condition in poultry |  |  |  |  |  |

**3.1 Technologies to be assessed and refined**

A.1 Abstract on the number of technologies to be assessed in respect of **crops**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Cereals** | **Oilseeds** | **Pulses** | **Commercial Crops** | **Vegetables** | **Fruits** | **Flower** | **Plantation crops** | **Tuber Crops** | **TOTAL** |
| Varietal Evaluation |  |  |  |  |  |  |  |  |  |  |
| Seed / Plant production |  |  |  |  |  |  |  |  |  |  |
| Weed Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management |  |  |  |  | 1 |  |  |  |  |  |
| Integrated Nutrient Management / Balance Nutrient Management |  |  |  |  | 3 |  |  |  |  |  |
| Integrated Farming System |  |  |  |  |  |  |  |  |  |  |
| Mushroom cultivation |  |  |  |  |  |  |  |  |  |  |
| Drudgery reduction |  |  |  |  |  |  |  |  |  |  |
| Farm machineries |  |  |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Disease Management |  |  |  |  |  |  |  |  |  |  |
| Resource conservation technology |  |  |  |  |  |  |  |  |  |  |
| Small Scale income generating enterprises |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  |  |  |  |  |  |

**A.2. Abstract on the number of technologies to be refined in respect of crops**

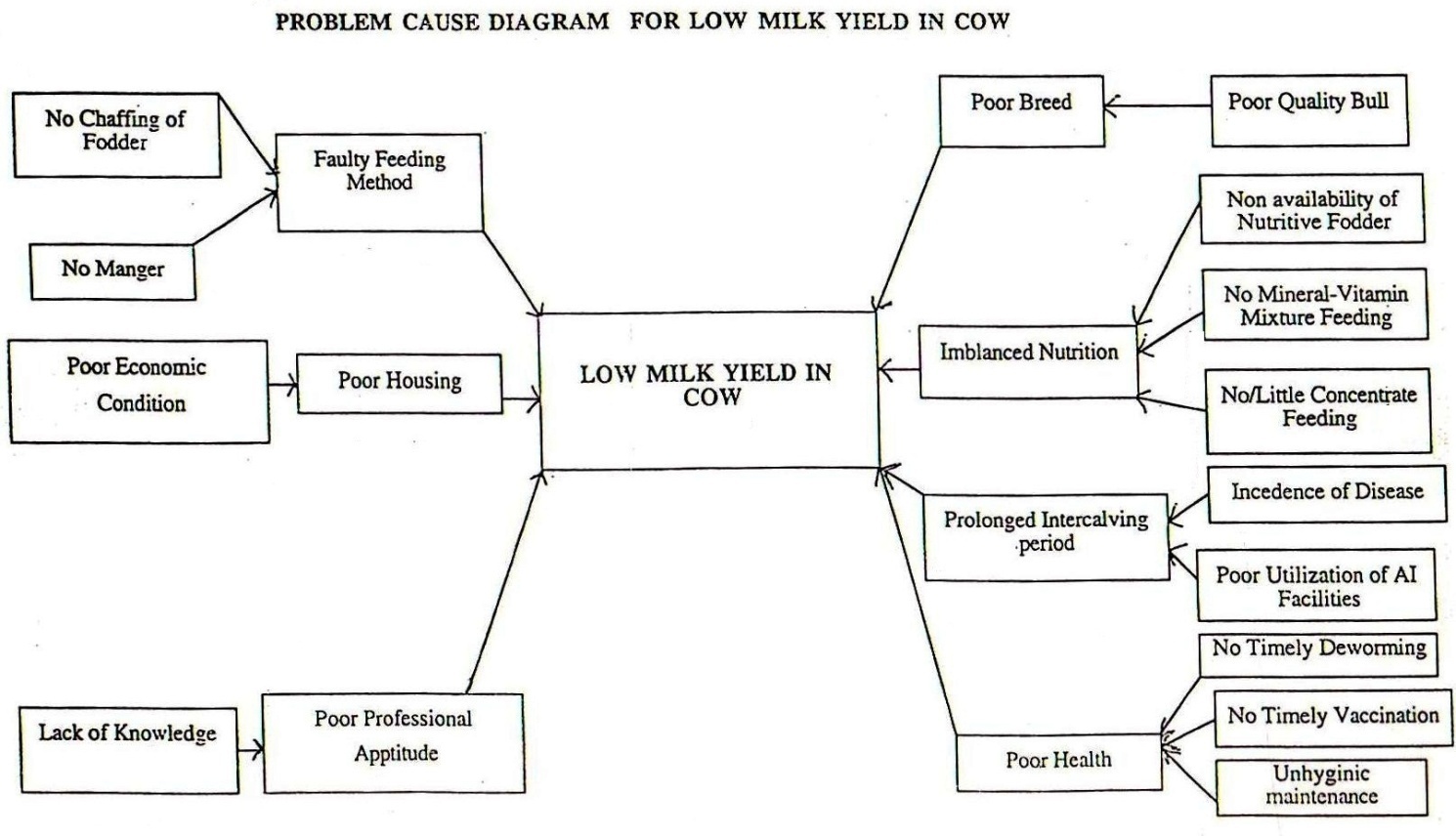
|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Cereals** | **Oilseeds** | **Pulses** | **Commercial Crops** | **Vegetables** | **Fruits** | **Flower** | **Kitchen garden** | **Tuber Crops** | **TOTAL** |
| Varietal Evaluation |  |  |  |  |  |  |  |  |  |  |
| Seed / Plant production |  |  |  |  |  |  |  |  |  |  |
| Weed Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management / Balance Nutrient Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming System |  |  |  |  |  |  |  |  |  |  |
| Mushroom cultivation |  |  |  |  |  |  |  |  |  |  |
| Drudgery reduction |  |  |  |  |  |  |  |  |  |  |
| Farm machineries |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Disease Management |  |  |  |  |  |  |  |  |  |  |
| Resource conservation technology |  |  |  |  |  |  |  |  |  |  |
| Small Scale income generating enterprises |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  |  |  |  |  |  |

**A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Cattle** | **Poultry** | **Sheep** | **Goat** | **Piggery** | **Wormi culture** | **Fisheries** | **TOTAL** |
| Evaluation of Breeds |  | 1 |  |  |  |  |  |  |
| Nutrition Management | 1 |  |  |  |  |  |  |  |
| Disease of Management |  |  |  |  |  |  |  |  |
| Value Addition |  |  |  |  |  |  |  |  |
| Production and Management |  |  |  |  |  |  |  |  |
| Feed and Fodder |  |  |  |  |  |  |  |  |
| Small Scale income generating enterprises |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  |  |  |  |

**A.4. Abstract on the number of technologies to be refined in respect of livestock / enterprises : NIL**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Cattle** | **Poultry** | **Sheep** | **Goat** | **Piggery** | **Rabbitary** | **Fisheries** | **TOTAL** |
| Evaluation of Breeds |  |  |  |  |  |  |  |  |
| Nutrition Management |  |  |  |  |  |  |  |  |
| Disease of Management |  |  |  |  |  |  |  |  |
| Value Addition |  |  |  |  |  |  |  |  |
| Production and Management |  |  |  |  |  |  |  |  |
| Feed and Fodder |  |  |  |  |  |  |  |  |
| Small Scale income generating enterprises |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  |  |  |  |

****

**B. Details of On Farm Trial**

**OFT-1 (Animal Production)**

1. Title : Effect of mineral mixture along with by-pass protein supplement to increase milk

production in dairy cattle

1. Problem diagnose/defined : Low milk yield
2. Details of technologies : T1- Farmers practice – No proper feeding

selected for assessment T2- Dewarming with fenbendazole.

/refinement To be provided with mineral mixture @ 50gm/head/day for 2 months.

Supplementation of by-pass protein ration @ 3kg/head/day for 2 months

1. Source of technology : NDDB
2. Production system

thematic area : Dairy cattle

1. Thematic area : Nutritional management
2. Performance of the

Technology with

performance indicators : Increasing milk production

1. Final recommendation for

micro level situation : Yet to be given

1. Constraints identified and

feedback for research : Imbalance feeding

1. Process of farmers : All farm operations done by farmer’s himself in collaboration of Scientist

participation and

their reactio

11. Results of On Farm Trials

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop/ enterprise | Farming situation | Problem Diagnosed | Title  of OFT | No. of trials\* | Technology Assessed | Parameters of assessment | Data on the parameter | Results of assessment | Feedback from the farmer |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Dairy | Cattle | Low milk yield | Effect of mineral mixture along with by-pass protein supplement to increase milk production in dairy cattle | 20 | Milk yield | Milk yield, milk fat % | Milk yield, , milk fat % | - | - |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Technology Assessed | Yield (q/ha) | | Net Return (Profit) in Rs. / ha | BC Ratio |
| 2018 | 2019 |
| 11 | 12 | | 13 | 14 |
| T1- Farmers practice – No proper feeding | Result Awaited | | | |
| T2- Dewarming with fenbendazole.  To be provided with mineral mixture @ 50gm/head/day for 2 months.  Supplementation of by-pass protein ration @ 3kg/head/day for 2 months |

**OFT-2 (Animal Production)**

1. Title : Assessment the impact of Electrolytes to control heat stress condition in poultry
2. Problem diagnose/defined : Low body weight gain & less egg production due to heat stress
3. Details of technologies : T1- Farmers practice – Feeding concentrate + watering

selected for assessment T2- Feeding concentrate with aonla powder @ 2 gm / lit of water

/refinement T3- Feeding concentrate with electrolyte @ 1 gm / 2 lit of water

1. Source of technology : IVRI, Izzatnagar, Bareilly
2. Production system

thematic area : LPM

1. Thematic area : LPM
2. Performance of the

Technology with

performance indicators : Body weight gain (gm), Egg production (No.). farmers reaction & feed back

1. Final recommendation for

micro level situation : Yet to be given

1. Constraints identified and

feedback for research : Non availability of good breeds

1. Process of farmers : All farm operations done by farmer’s himself in collaboration of Scientist

participation and

their reactio

11. Results of On Farm Trials

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop/ enterprise | Farming situation | Problem Diagnosed | Title  of OFT | No. of trials\* | Technology Assessed | Parameters of assessment | Data on the parameter | Results of assessment | Feedback from the farmer |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Poultry | Back yard | Low body weight gain & less egg production due to heat stress | Assessment the impact of Electrolytes to control heat stress condition in poultry | 10 | Low body weight gain & less egg production due to heat stress | Gain in body weight & egg production | Gain in body weight and egg production | - | - |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Technology Assessed | Yield (q/ha) | | Net Return (Profit) in Rs. / ha | BC Ratio |
| 2018 | 2019 |
| 11 | 12 | | 13 | 14 |
| T1- Farmers practice – Feeding concentrate + watering |  | | | |
| T2- Feeding concentrate with aonla powder @ 2 gm / lit of water |
| T3- Feeding concentrate with electrolyte @ 1 gm / 2 lit of water |

**OFT-3 (Horticulture)**

1. Title : Balanced nutrient management in Onion
2. Problem diagnose/defined : Inadequate use of fertilizers and no use of Zinc
3. Details of technologies : T1- Farmers practice (80:40:0 kg N, P2O5 and K2O/ha)

selected for assessment T2- Assessment practice (100:50:100 kg N, P2O5 and K2O /ha + foliar spray of Zn So4 0.5% at 30 and

/refinement 45 DAT)

1. Source of technology : KVK, MPUAT, Banswara
2. Production system

thematic area : Maize/Soybean/Cotton/Paddy-Wheat/Rabi maize-Summer greengram

1. Thematic area : Nutrient management
2. Performance of the

Technology with

performance indicators : Yield attributes, yield, net return & B:C ratio

1. Final recommendation for

micro level situation : Yet to be given

1. Constraints identified and

feedback for research : Non availability of potassium fertilizers in KVSS / local market

10. Process of farmers :

participation and

their reaction : All farm operations starting from nursery raising to harvesting done by farmer’s himself in

collaboration of Scientist

11. Results of On Farm Trials

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop/ enterprise | Farming situation | Problem Diagnosed | Title  of OFT | No. of trials\* | Technology Assessed | Parameters of assessment | Data on the parameter | Results of assessment | Feedback from the farmer |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Onion | Irrigated | Imbalanced fertilizer use and no use of Zinc | Balanced nutrient management in onion | 5 | Balance nutrient management | Yield, net return and B:C ratio | Yield | Increase in yield | Farmers agreed to use balance nutrient management practice |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Technology Assessed | Yield (q/ha) | | Net Return (Profit) in Rs. / ha | BC Ratio |
| 2019 | 2020 |
| 11 | 12 | | 13 | 14 |
| T1- Farmers practice (80:40:0 kg N, P2O5 and K2O/ha) | - | - | - | - |
| T2- Assessment practice (100:50:100 kg N, P2O5 and K2O /ha + foliar spray of Zn So4 0.5% at 30 and 45 DAT) | - | - | - | - |

**OFT-4 (Horticulture)**

1. Title : Effect of auxin on yield of chilli
2. Problem diagnose/defined : Shedding of flowers and frurits and no use of growth regulators
3. Details of technologies : T1- Farmers practice (No use of growth regulator)

selected for assessment T2- Foilar spray of NAA@20 ppm at 35 and 50 DAT

/refinement

1. Source of technology : KVK, MPUAT, Banswara
2. Production system

thematic area : Maize/Soybean/Cotton/Paddy-Wheat/Rabi maize-Summer greengram

1. Thematic area : Use of growth regulators
2. Performance of the

Technology with

performance indicators : Yield, net return & B:C ratio

8. Final recommendation for

micro level situation : Yet to be given

9. Constraints identified and

feedback for research : Lack of awareness about use of PGR

10. Process of farmers : All farm operations starting from nursery raising to harvesting done by farmer’s himself

participation and in collaboration of Scientist

their reaction

1. Results of On Farm Trials

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop/ enterprise | Farming situation | Problem Diagnosed | Title  of OFT | No. of trials\* | Technology Assessed | Parameters of assessment | Data on the parameter | Results of assessment | Feedback from the farmer |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Chilli | Irrigated | Shedding of flowers and frurits and no use of growth regulators | Effect of auxin on yield of chilli | 5 | Foilar spray of NAA@20 ppm at 35 and 50 DAT | Yield, net return and B:C ratio | Yield | - | - |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Technology Assessed | Yield (q/ha) | | Net Return (Profit) in Rs. / ha | BC Ratio |
| 2019 | 2020 |
| 11 | 12 | | 13 | 14 |
| T1- Farmers practice (No use of growth regulator) |  | - | - | - |
| T2- Foilar spray of NAA@20 ppm at 35 and 50 DAT | - | - | - |

**3.2 Front Line Demonstrations**

A. Details of FLDs to be organized

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.**  **N.** | **Crop** | **Variety** | **Thematic area** | **Technology for demonstration** | **Critical inputs** | **Season and year** | **Area (ha)** | **Approx. No. of farmers/**  **demon.** | **Parameters identified** |
| 1 | Soybean | RKS-24/JS20-29 | ICM | Seed replacement | Seed | Kharif 2019 | 20 | 50 | Yield q./ha |
| 2 | Black Gram | PU-31/Pratap Urd-1 | ICM | Seed replacement | Seed | Kharif 2019 | 20 | 50 | Yield q./ha |
| 3 | Maize | Pratap QPMH-1, DKC-7074 / New notified variety | ICM | Seed replacement | Seed | Kharif 2019 | 20 | 50 | Yield q./ha |
| 4 | Gram | GNG-1581 | ICM | Seed replacement | Seed | Rabi 2019-20 | 20 | 50 | Yield q./ha |
| 5 | Rabi Maize | Bio-9782 | ICM | Seed replacement | Seed | Rabi 2019-20 | 10 | 25 | Yield q./ha |
| 6 | Wheat | Raj-4079 / Raj-4238 | ICM | Seed replacement | Seed | Rabi 2019-20 | 10 | 25 | Yield q./ha |
| 7 | Tomato | Dev / TO-1057 | HOV | Seed replacement | Seed | Rabi 2019-20 | 2 | 10 | Yield q./ha |
| 8 | Brinjal | Shamli / Pratap | HOV | Seed replacement | Seed | Rabi 2019-20 | 2 | 10 | Yield q./ha |
| 9 | Onion | AFLR/ Prerna | HOV | Seed replacement | Seed | Rabi 2019-20 | 2 | 10 | Yield q./ha |
| 10 | Okra | Sonal / Shakti/ Marvel | HOV | Seed replacement | Seed | Zaid 2020 | 2 | 10 | Yield q./ha |
| 11 | Long Melon | Chandra | HOV | Seed replacement | Seed | Zaid 2020 | 2 | 10 | Yield q./ha |
| 12 | Chilli | Ujala/ Sitara | HOV | Seed replacement | Seed | Zaid 2020 | 2 | 10 | Yield q./ha |
| 13 | Papaya | Red Lady-786 | Cultivation of fruits | HYV | Fruit plant | 2019-20 | 1 | 10 | Yield q./ha |
|  |  |  |  |  | **Total** |  | **113** | **320** |  |

**Sponsored Demonstration:** To be conducted as per need raised

|  |  |  |
| --- | --- | --- |
| **Crop** | **Area (ha)** | **Approx. No. of farmers** |
|  |  |  |

**B. Extension and Training activities under FLDs**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Activity** | **Approx. No. of activities** | **Month** | **Approx. Number of participants** |
| 1 | Field days | 8 | October, March | 500 |
| 2 | Farmers Training | 4 | June, October | 200 |
| 3 | Media coverage | 10 | - | - |

**C. Details of FLD on Enterprises**

**(i) Farm Implements**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name of the implement** | **Crop** | **Season and year** | **Approx. No. of farmers** | **Area (ha)** | **Critical inputs** | **Performance parameters /**  **indicators** |
|
|  |  |  |  |  |  |  |

**(ii) Livestock Enterprises**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Enterprise** | **Breed** | **Approx. No. of farmers** | **Approx. No. of animals, poultry birds/ha. etc.** | **Critical inputs** | **Performance parameters /**  **indicators** |
|
| Poultry | Pratapdhan/ Colour Cross Breed | 20 | 400 | 6 weeks age | Egg production and body weight |
| Goat | Sirohi | 4 | 4 | Breeding buck | Number of progenies |
| Green Fodder | Berseem / Bajra | 10 | 2 ha | seed | yield / ha |

* 1. **Training (Including the sponsored and FLD training programmes):**
  2. **ON Campus**

| **Thematic Area** | **Approx. No. of Courses** | | | **Approx. No. of Participants** | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Others** | | | | **SC/ST** | | | | | | **Grand Total** |
| **Male** | | **Female** | **Total** | **Male** | | **Female** | | **Total** | |
| **(A) Farmers & Farm Women** | | | | | | | | | | | | | | |
| **I Crop Production** | | | | | | | | | | | | | | |
| Weed Management |  | | |  | |  |  |  | |  | |  | |  |
| Resource Conservation Technologies |  | | |  | |  |  |  | |  | |  | |  |
| Cropping Systems |  | | |  | |  |  |  | |  | |  | |  |
| Crop Diversification | 1 | | |  | |  |  | 25 | | 5 | | 30 | | 30 |
| Integrated Farming |  | | |  | |  |  |  | |  | |  | |  |
| Water management |  | | |  | |  |  |  | |  | |  | |  |
| Seed production |  | | |  | |  |  |  | |  | |  | |  |
| Nursery management |  | | |  | |  |  |  | |  | |  | |  |
| Integrated Crop Management | 1 | | |  | |  |  | 25 | | 5 | | 30 | | 30 |
| Fodder production |  | | |  | |  |  |  | |  | |  | |  |
| Production of organic inputs |  | | |  | |  |  |  | |  | |  | |  |
| **II Horticulture** | | | | | | | | | | | | | | |
| **a) Vegetable Crops** |  | | |  | |  |  |  | |  | |  | |  |
| Production of low volume and high value crops |  | | |  | |  |  |  | |  | |  | |  |
| Off-season vegetables | 1 | | |  | |  |  | 25 | | 5 | | 30 | | 30 |
| Nursery raising |  | | |  | |  |  |  | |  | |  | |  |
| Exotic vegetables like Broccoli |  | | |  | |  |  |  | |  | |  | |  |
| Export potential vegetables |  | | |  | |  |  |  | |  | |  | |  |
| Grading and standardization |  | | |  | |  |  |  | |  | |  | |  |
| Protective cultivation (Green Houses, Shade Net etc.) | 1 | | |  | |  |  | 25 | | 5 | | 30 | | 30 |
| **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 | 1 | | |  | |  |  | 25 | | 5 | | 30 | | 30 |
| Micro irrigation systems of orchards | 1 | | |  | |  |  | 25 | | 5 | | 30 | | 30 |
| Plant propagation techniques |  | | |  | |  |  |  | |  | |  | |  |
| **c) Ornamental Plants** |  | | |  | |  |  |  | |  | |  | |  |
| Nursery Management |  | | |  | |  |  |  | |  | |  | |  |
| Management of potted plants |  | | |  | |  |  |  | |  | |  | |  |
| Export potential of ornamental plants |  | | |  | |  |  |  | |  | |  | |  |
| Propagation techniques of Ornamental Plants |  | | |  | |  |  |  | |  | |  | |  |
| **d) Plantation crops** |  | | |  | |  |  |  | |  | |  | |  |
| Production and Management technology |  | | |  | |  |  |  | |  | |  | |  |
| Processing and value addition |  | | |  | |  |  |  | |  | |  | |  |
| **e) Tuber crops** |  | | |  | |  |  |  | |  | |  | |  |
| Production and Management technology |  | | |  | |  |  |  | |  | |  | |  |
| Processing and value addition |  | | |  | |  |  |  | |  | |  | |  |
| **f) Spices** |  | | |  | |  |  |  | |  | |  | |  |
| Production and Management technology |  | | |  | |  |  |  | |  | |  | |  |
| Processing and value addition |  | | |  | |  |  |  | |  | |  | |  |
| **g) Medicinal and Aromatic Plants** |  | | |  | |  |  |  | |  | |  | |  |
| Nursery management |  | | |  | |  |  |  | |  | |  | |  |
| Production and management technology |  | | |  | |  |  |  | |  | |  | |  |
| Post harvest technology and value addition |  | | |  | |  |  |  | |  | |  | |  |
| **III Soil Health and Fertility Management** |  | | |  | |  |  |  | |  | |  | |  |
| Soil fertility management |  | | |  | |  |  |  | |  | |  | |  |
| Soil and Water Conservation |  | | |  | |  |  |  | |  | |  | |  |
| Integrated Nutrient Management |  | | |  | |  |  |  | |  | |  | |  |
| Production and use of organic inputs | 1 | | |  | |  |  | 30 | | - | | 30 | | 30 |
| Management of Problematic soils |  | | |  | |  |  |  | |  | |  | |  |
| Micro nutrient deficiency in crops |  | | |  | |  |  |  | |  | |  | |  |
| Nutrient Use Efficiency |  | | |  | |  |  |  | |  | |  | |  |
| Soil and Water Testing |  | | |  | |  |  |  | |  | |  | |  |
| **IV Livestock Production and Management** | | | | | | | | | | | | | | |
| Dairy Management |  | | |  | |  |  |  | |  | |  | |  |
| Poultry Management | 2 | | |  | |  |  | 50 | | 10 | | 60 | | 60 |
| Piggery Management |  | | |  | |  |  |  | |  | |  | |  |
| Rabbit Management/goat | 1 | | |  | |  |  | 25 | | 5 | | 30 | | 30 |
| Disease Management | 1 | | |  | |  |  | 25 | | 5 | | 30 | | 30 |
| Feed management |  | | |  | |  |  |  | |  | |  | |  |
| Production of quality animal products |  | | |  | |  |  |  | |  | |  | |  |
| **V Home Science/Women empowerment** | | | | | | | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | 1 | |  | | |  |  | - | | 30 | | 30 | | 30 |
| Design and development of low/minimum cost diet | 1 | |  | | |  |  | - | | 30 | | 30 | | 30 |
| Designing and development for high nutrient efficiency diet |  | |  | | |  |  |  | |  | |  | |  |
| Minimization of nutrient loss in processing |  | |  | | |  |  |  | |  | |  | |  |
| Gender mainstreaming through SHGs |  | |  | | |  |  |  | |  | |  | |  |
| Storage loss minimization techniques |  | |  | | |  |  |  | |  | |  | |  |
| Value addition | 1 | |  | | |  |  | - | | 30 | | 30 | | 30 |
| Income generation activities for empowerment of rural Women |  | |  | | |  |  |  | |  | |  | |  |
| Location specific drudgery reduction technologies |  | |  | | |  |  |  | |  | |  | |  |
| Rural Crafts | 1 | |  | | |  |  | - | | 30 | | 30 | | 30 |
| Women and child care |  | |  | | |  |  |  | |  | |  | |  |
| **VI Agril. Engineering** |  | |  | | |  |  |  | |  | |  | |  |
| 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 |  | |  | | |  |  |  | |  | |  | |  |
| **VII Plant Protection** |  | |  | | |  |  |  | |  | |  | |  |
| Integrated Pest Management | 1 | | - | | | - | - | 25 | | 5 | | 30 | | 30 |
| Integrated Disease Management |  | | - | | |  |  |  | |  | |  | |  |
| Bio-control of pests and diseases |  | | - | | |  |  |  | |  | |  | |  |
| Production of bio control agents and bio pesticides |  | |  | | |  |  |  | |  | |  | |  |
| **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 |  | |  | | |  |  |  | |  | |  | |  |
| **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 | |  |  | |  | |  | |  |  |  | |  | |
| **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 | |  |  | |  | |  | |  |  |  | |  | |
| **XI Agro-forestry** | |  |  | |  | |  | |  |  |  | |  | |
| Production technologies | |  |  | |  | |  | |  |  |  | |  | |
| Nursery management | |  |  | |  | |  | |  |  |  | |  | |
| Integrated Farming Systems | |  |  | |  | |  | |  |  |  | |  | |
| **XII Others (Pl. Specify)** | |  |  | |  | |  | |  |  |  | |  | |
| **TOTAL** | | **16** | **-** | | **-** | | **-** | | **305** | **175** | **480** | | **480** | |
| **(B) RURAL YOUTH** | |  |  | |  | |  | |  |  |  | |  | |
| Mushroom Production | |  |  | |  | |  | |  |  |  | |  | |
| Bee-keeping | |  |  | |  | |  | |  |  |  | |  | |
| Integrated farming | |  |  | |  | |  | |  |  |  | |  | |
| Seed production | |  |  | |  | |  | |  |  |  | |  | |
| Production of organic inputs | |  |  | |  | |  | |  |  |  | |  | |
| Integrated Farming (Medicinal) | |  |  | |  | |  | |  |  |  | |  | |
| Planting material production | |  |  | |  | |  | |  |  |  | |  | |
| Vermi-culture | |  |  | |  | |  | |  |  |  | |  | |
| Sericulture | |  |  | |  | |  | |  |  |  | |  | |
| Protected cultivation of vegetable crops | |  |  | |  | |  | |  |  |  | |  | |
| Commercial fruit production | |  |  | |  | |  | |  |  |  | |  | |
| Repair and maintenance of farm machinery and implements | |  |  | |  | |  | |  |  |  | |  | |
| Nursery Management of Horticulture crops | |  |  | |  | |  | |  |  |  | |  | |
| Training and pruning of orchards | |  |  | |  | |  | |  |  |  | |  | |
| Value addition | |  |  | |  | |  | |  |  |  | |  | |
| Production of quality animal products | |  |  | |  | |  | |  |  |  | |  | |
| Dairying | |  |  | |  | |  | |  |  |  | |  | |
| Sheep and goat rearing | |  |  | |  | |  | |  |  |  | |  | |
| Quail farming | |  |  | |  | |  | |  |  |  | |  | |
| Piggery | |  |  | |  | |  | |  |  |  | |  | |
| Rabbit farming | |  |  | |  | |  | |  |  |  | |  | |
| Poultry production | |  |  | |  | |  | |  |  |  | |  | |
| Ornamental fisheries | |  |  | |  | |  | |  |  |  | |  | |
| Para vets | |  |  | |  | |  | |  |  |  | |  | |
| Para extension workers | |  |  | |  | |  | |  |  |  | |  | |
| Composite fish culture | |  |  | |  | |  | |  |  |  | |  | |
| Freshwater prawn culture | |  |  | |  | |  | |  |  |  | |  | |
| Shrimp farming | |  |  | |  | |  | |  |  |  | |  | |
| Pearl culture | |  |  | |  | |  | |  |  |  | |  | |
| Cold water fisheries | |  |  | |  | |  | |  |  |  | |  | |
| Fish harvest and processing technology | |  |  | |  | |  | |  |  |  | |  | |
| Fry and fingerling rearing | |  |  | |  | |  | |  |  |  | |  | |
| Small scale processing | |  |  | |  | |  | |  |  |  | |  | |
| Post Harvest Technology | |  |  | |  | |  | |  |  |  | |  | |
| Tailoring and Stitching | | 1 | - | | 5 | | 5 | | - | 15 | 15 | | 20 | |
| Rural Crafts | |  |  | |  | |  | |  |  |  | |  | |
| **TOTAL** | | **1** | **-** | | **5** | | **5** | | **-** | **15** | **15** | | **20** | |
| **(C) Extension Personnel** | |  |  | |  | |  | |  |  |  | |  | |
| Productivity enhancement in field crops | |  |  | |  | |  | |  |  |  | |  | |
| Integrated Pest Management | |  |  | |  | |  | |  |  |  | |  | |
| Integrated Nutrient management | |  |  | |  | |  | |  |  |  | |  | |
| Rejuvenation of old orchards | |  |  | |  | |  | |  |  |  | |  | |
| Protected cultivation technology | |  |  | |  | |  | |  |  |  | |  | |
| Formation and Management of SHGs | |  |  | |  | |  | |  |  |  | |  | |
| Group Dynamics and farmers organization | |  |  | |  | |  | |  |  |  | |  | |
| Information networking among farmers | |  |  | |  | |  | |  |  |  | |  | |
| Capacity building for ICT application | |  |  | |  | |  | |  |  |  | |  | |
| Care and maintenance of farm machinery and implements | |  |  | |  | |  | |  |  |  | |  | |
| WTO and IPR issues | |  |  | |  | |  | |  |  |  | |  | |
| Management in farm animals | | 1 | 20 | | 5 | | 25 | | - | - | - | | 25 | |
| Livestock feed and fodder production | |  |  | |  | |  | |  |  |  | |  | |
| Household food security | |  |  | |  | |  | |  |  |  | |  | |
| Women and Child care | |  |  | |  | |  | |  |  |  | |  | |
| Low cost and nutrient efficient diet designing | |  |  | |  | |  | |  |  |  | |  | |
| Production and use of organic inputs | |  |  | |  | |  | |  |  |  | |  | |
| Gender mainstreaming through SHGs | |  |  | |  | |  | |  |  |  | |  | |
| Any other (Pl. Specify) | |  |  | |  | |  | |  |  |  | |  | |
| **TOTAL** | | **1** | **20** | | **5** | | **25** | | **-** | **-** | **-** | | **25** | |
| **G. Total** | | **18** | **20** | | **5** | | **25** | | **305** | **190** | **495** | | **520** | |

* 1. **OFF Campus**

| **Thematic Area** | **Approx. No. of Courses** | | | **Approx. No. of Participants** | | | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Others** | | | | | | **SC/ST** | | | | | | | | | | **Grand Total** | |
| Male | Female | | | Total | Male | | Female | | | Total | | | | |  | |
| **(A) Farmers & Farm Women** | | | | | | | | | | | | | | | | | | | | | |
| **I Crop Production** | | | | | | | | | | | | | | | | | | | | | |
| Weed Management | 1 | | |  |  | | |  | 25 | | 15 | | | 40 | | | | | 40 | |
| Resource Conservation Technologies |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Cropping Systems | 1 | | |  |  | | |  | 25 | | 15 | | | 40 | | | | | 40 | |
| Crop Diversification |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Integrated Farming |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Water management | 1 | | |  |  | | |  | 25 | | 15 | | | 40 | | | | | 40 | |
| Seed production |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Nursery management |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Integrated Crop Management | 2 | | |  |  | | |  | 50 | | 30 | | | 80 | | | | | 80 | |
| Fodder production |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Production of organic inputs |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| **II Horticulture** | | | | | | | | | | | | | | | | | | | | | |
| **a) Vegetable Crops** |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Production of low volume and high value crops |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Off-season vegetables |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Nursery raising | 1 | | |  |  | | |  | 25 | | 15 | | | 40 | | | | | 40 | |
| Exotic vegetables like Broccoli |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Export potential vegetables |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Grading and standardization | 1 | | |  |  | | |  | 25 | | 15 | | | 40 | | | | | 40 | |
| Protective cultivation (Green Houses, Shade Net etc.) | 1 | | |  |  | | |  | 25 | | 15 | | | 40 | | | | | 40 | |
| **b) Fruits** |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Training and Pruning |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Layout and Management of Orchards |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Cultivation of Fruit |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Management of young plants/orchards | 1 | | |  |  | | |  | 25 | | 15 | | | 40 | | | | | 40 | |
| Rejuvenation of old orchards | 1 | | |  |  | | |  | 25 | | 15 | | | 40 | | | | | 40 | |
| Export potential fruits |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Micro irrigation systems of orchards | 1 | | |  |  | | |  | 25 | | 15 | | | 40 | | | | | 40 | |
| Plant propagation techniques |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| **c) Ornamental Plants** |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Nursery Management | 1 | | |  |  | | |  | 25 | | 15 | | | 40 | | | | | 40 | |
| Management of potted plants |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Export potential of ornamental plants |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Propagation techniques of Ornamental Plants |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| **d) Plantation crops** |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Production and Management technology |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Processing and value addition |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| **e) Tuber crops** |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Production and Management technology |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Processing and value addition |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| **f) Spices** |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Production and Management technology |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Processing and value addition |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| **g) Medicinal and Aromatic Plants** |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Nursery management |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Production and management technology | 1 | | |  |  | | |  | 25 | | 15 | | | 40 | | | | | 40 | |
| Post harvest technology and value addition |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| **III Soil Health and Fertility Management** |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Soil fertility management |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Soil and Water Conservation |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Integrated Nutrient Management | 2 | | |  |  | | |  | 50 | | 30 | | | 80 | | | | | 80 | |
| Production and use of organic inputs | 3 | | | 30 | 15 | | | 45 | 60 | | 45 | | | 105 | | | | | 150 | |
| Management of Problematic soils |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Micro nutrient deficiency in crops |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Nutrient Use Efficiency |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Soil and Water Testing | 1 | | | 10 | 5 | | | 15 | 20 | | 15 | | | 35 | | | | | 50 | |
| **IV Livestock Production and Management** | | | | | | | | | | | | | | | | | | | | | |
| Dairy Management | 3 | | |  |  | | |  | 75 | | 30 | | | 105 | | | | | 105 | |
| Poultry Management | 1 | | |  |  | | |  | 20 | | 10 | | | 30 | | | | | 30 | |
| Piggery Management |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Rabbit Management /goat | 2 | | |  |  | | |  | 45 | | 20 | | | 65 | | | | | 65 | |
| Disease Management | 1 | | |  |  | | |  | 20 | | 15 | | | 35 | | | | | 35 | |
| Feed management | 2 | | |  |  | | |  | 50 | | 20 | | | 70 | | | | | 70 | |
| Production of quality animal products | 1 | | |  |  | | |  | 25 | | 10 | | | 35 | | | | | 35 | |
| **V Home Science/Women empowerment** | | | | | | | | | | | | | | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | | 1 |  | |  |  | | | 5 | | | 25 | | | 30 | | 30 | | | |
| Design and development of low/minimum cost diet | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Designing and development for high nutrient efficiency diet | | 1 |  | |  |  | | | 5 | | | 25 | | | 30 | | 30 | | | |
| Minimization of nutrient loss in processing | | 1 |  | |  |  | | | 5 | | | 25 | | | 30 | | 30 | | | |
| Gender mainstreaming through SHGs | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Storage loss minimization techniques | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Value addition | | 1 |  | |  |  | | | 5 | | | 25 | | | 30 | | 30 | | | |
| Income generation activities for empowerment of rural Women | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Location specific drudgery reduction technologies | | 1 |  | |  |  | | | 5 | | | 25 | | | 30 | | 30 | | | |
| Rural Crafts | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Women and child care | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **VI Agril. Engineering** | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| 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 | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **VII Plant Protection** | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Integrated Pest Management | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Integrated Disease Management | | 1 |  | |  |  | | | 25 | | | 15 | | | 40 | | 40 | | | |
| Bio-control of pests and diseases | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Production of bio control agents and bio pesticides | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **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 | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **IX Production of Inputs at site** | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Seed Production | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Planting material production (Horti.) | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Bio-agents production | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Bio-pesticides production | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Bio-fertilizer production | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Vermi-compost production (Horti.) | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Organic manures production (A.S.) | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| 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 | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **X Capacity Building and Group Dynamics** | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Leadership development | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Group dynamics | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Formation and Management of SHGs(HS) | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Mobilization of social capital | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Entrepreneurial development of farmers/youths (Agro.) | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| WTO and IPR issues | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **XI Agro-forestry** | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Production technologies | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Nursery management | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Integrated Farming Systems (Agro) | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **XII Others (Pl. Specify)** | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **TOTAL** | | **35** | **40** | | **20** | | **60** | | | **740** | | | **530** | | | **1270** | | **1330** | | | |

**C) Consolidated table (ON and OFF Campus)**

| **Thematic Area** | **No. of Courses** | **Approx. No. of Participants** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Others** | | | **SC/ST** | | | **Grand Total** |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **(A) Farmers & Farm Women** | | | | | | | | |
| **I Crop Production** | | | | | | | | |
| Weed Management | 1 |  |  |  | 25 | 15 | 40 | 40 |
| Resource Conservation Technologies |  |  |  |  |  |  |  |  |
| Cropping Systems | 1 |  |  |  | 25 | 15 | 40 | 40 |
| Crop Diversification | 1 |  |  |  | 25 | 5 | 30 | 30 |
| Integrated Farming |  |  |  |  |  |  |  |  |
| Water management | 1 |  |  |  | 25 | 15 | 40 | 40 |
| Seed production |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |
| Integrated Crop Management | 3 |  |  |  | 75 | 35 | 110 | 110 |
| Fodder production |  |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  |  |  |
| **II Horticulture** | | | | | | | | |
| **a) Vegetable Crops** |  |  |  |  |  |  |  |  |
| Production of low volume and high value crops |  |  |  |  |  |  |  |  |
| Off-season vegetables | 1 |  |  |  | 25 | 5 | 30 | 30 |
| Nursery raising | 1 |  |  |  | 25 | 15 | 40 | 40 |
| Exotic vegetables like Broccoli |  |  |  |  |  |  |  |  |
| Export potential vegetables |  |  |  |  |  |  |  |  |
| Grading and standardization | 1 |  |  |  | 25 | 15 | 40 | 40 |
| Protective cultivation (Green Houses, Shade Net etc.) | 2 |  |  |  | 50 | 20 | 70 | 70 |
| **b) Fruits** |  |  |  |  |  |  |  |  |
| Training and Pruning |  |  |  |  |  |  |  |  |
| Layout and Management of Orchards |  |  |  |  |  |  |  |  |
| Cultivation of Fruit |  |  |  |  |  |  |  |  |
| Management of young plants/orchards | 1 |  |  |  | 25 | 15 | 40 | 40 |
| Rejuvenation of old orchards | 1 |  |  |  | 25 | 15 | 40 | 40 |
| Export potential fruits | 1 |  |  |  | 25 | 5 | 30 | 30 |
| Micro irrigation systems of orchards | 2 |  |  |  | 50 | 20 | 70 | 70 |
| Plant propagation techniques |  |  |  |  |  |  |  |  |
| **c) Ornamental Plants** |  |  |  |  |  |  |  |  |
| Nursery Management | 1 |  |  |  | 25 | 15 | 40 | 40 |
| Management of potted plants |  |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |
| **e) Tuber crops** |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |
| **f) Spices** |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |
| Production and management technology | 1 |  |  |  | 25 | 15 | 40 | 40 |
| Post harvest technology and value addition |  |  |  |  |  |  |  |  |
| **III Soil Health and Fertility Management** |  |  |  |  |  |  |  |  |
| Soil fertility management |  |  |  |  |  |  |  |  |
| Soil and Water Conservation |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management | 2 |  |  |  | 50 | 30 | 80 | 80 |
| Production and use of organic inputs | 4 | 30 | 15 | 45 | 90 | 45 | 135 | 180 |
| Management of Problematic soils |  |  |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  |  |  |  |  |
| Nutrient Use Efficiency |  |  |  |  |  |  |  |  |
| Soil and Water Testing | 1 | 10 | 5 | 15 | 20 | 15 | 35 | 50 |
| **IV Livestock Production and Management** |  |  |  |  |  |  |  |  |
| Dairy Management | 3 |  |  |  | 75 | 3 | 105 | 105 |
| Poultry Management | 3 |  |  |  | 70 | 20 | 90 | 90 |
| Piggery Management |  |  |  |  |  |  |  |  |
| Rabbit Management/goat | 3 |  |  |  | 70 | 25 | 95 | 95 |
| Disease Management | 2 |  |  |  | 45 | 20 | 65 | 65 |
| Feed management | 2 |  |  |  | 50 | 20 | 70 | 70 |
| Production of quality animal products | 1 |  |  |  | 25 | 10 | 35 | 35 |
| **V Home Science/Women empowerment** |  |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening | 2 |  |  |  | 5 | 55 | 60 | 60 |
| Design and development of low/minimum cost diet | 1 |  |  |  | - | 30 | 30 | 30 |
| Designing and development for high nutrient efficiency diet | 1 |  |  |  | 5 | 25 | 30 | 30 |
| Minimization of nutrient loss in processing | 1 |  |  |  | 5 | 25 | 30 | 30 |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |
| Storage loss minimization techniques |  |  |  |  |  |  |  |  |
| Value addition | 2 |  |  |  | 5 | 55 | 60 | 60 |
| Income generation activities for empowerment of rural Women |  |  |  |  |  |  |  |  |
| Location specific drudgery reduction technologies | 1 |  |  |  | 5 | 25 | 30 | 30 |
| Rural Crafts | 1 |  |  |  | - | 30 | 30 | 30 |
| Women and child care |  |  |  |  |  |  |  |  |
| **VI Agril. Engineering** |  |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  |  |  |  |
| **VII Plant Protection** |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 1 |  |  |  | 25 | 5 | 30 | 30 |
| Integrated Disease Management | 1 |  |  |  | 25 | 15 | 40 | 40 |
| Bio-control of pests and diseases |  |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  |  |  |  |  |  |  |
| **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 |  |  |  |  |  |  |  |  |
| **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 |  |  |  |  |  |  |  |  |
| **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 |  |  |  |  |  |  |  |  |
| **XI Agro-forestry** |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  |  |  |  |
| Sponsored training | **30** | **20** | **10** | **30** | **700** | **180** | **880** | **910** |
| **TOTAL** |  |  |  |  |  |  |  |  |
| **(B) RURAL YOUTH** |  |  |  |  |  |  |  |  |
| Mushroom Production |  |  |  |  |  |  |  |  |
| Bee-keeping |  |  |  |  |  |  |  |  |
| Integrated farming |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  |  |  |  |
| Vermi-culture |  |  |  |  |  |  |  |  |
| Sericulture |  |  |  |  |  |  |  |  |
| Protected cultivation of vegetable crops |  |  |  |  |  |  |  |  |
| Commercial fruit production |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |
| Nursery Management of Horticulture crops |  |  |  |  |  |  |  |  |
| Training and pruning of orchards |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  |  |  |
| Dairying |  |  |  |  |  |  |  |  |
| Sheep and goat rearing |  |  |  |  |  |  |  |  |
| Piggery |  |  |  |  |  |  |  |  |
| Rabbit farming |  |  |  |  |  |  |  |  |
| Poultry production |  |  |  |  |  |  |  |  |
| Ornamental fisheries |  |  |  |  |  |  |  |  |
| Para vets |  |  |  |  |  |  |  |  |
| Para extension workers |  |  |  |  |  |  |  |  |
| Freshwater prawn culture |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |
| Cold water fisheries |  |  |  |  |  |  |  |  |
| Fish harvest and processing technology |  |  |  |  |  |  |  |  |
| Fry and fingerling rearing |  |  |  |  |  |  |  |  |
| Small scale processing |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |
| Tailoring and Stitching | 1 | - | 5 | 5 | - | 15 | 15 | 20 |
| Rural Crafts |  |  |  |  |  |  |  |  |
| **TOTAL** | **1** | **-** | **5** | **5** | **-** | **15** | **15** | **20** |
| **(C) Extension Personnel** |  |  |  |  |  |  |  |  |
| Productivity enhancement in field crops |  |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |  |  |  |
| Integrated Nutrient management |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |
| Protected cultivation technology |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |
| Group Dynamics and farmers organization |  |  |  |  |  |  |  |  |
| Information networking among farmers |  |  |  |  |  |  |  |  |
| Capacity building for ICT application |  |  |  |  |  |  |  |  |
| Care and maintenance of farm machinery and implements | 1 | 10 | - | 10 | 15 | - | 15 | 25 |
| WTO and IPR issues |  |  |  |  |  |  |  |  |
| Management in farm animals | 1 | 20 | 5 | 25 | - | - | - | 25 |
| Livestock feed and fodder production |  |  |  |  |  |  |  |  |
| Household food security |  |  |  |  |  |  |  |  |
| Women and Child care |  |  |  |  |  |  |  |  |
| Low cost and nutrient efficient diet designing |  |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |
| Any other (Pl. Specify) |  |  |  |  |  |  |  |  |
| **Total** | **2** | **30** | **5** | **35** | **15** | **-** | **15** | **50** |
| **G. TOTAL** | **83** | **80** | **35** | **115** | **1745** | **900** | **2645** | **2760** |

## Details of training programmes attached in Annexure -I

**3.4. Extension Activities (including activities of FLD programmes)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Nature of Extension Activity** | **Approx. No. of activities** | **Approx. No. of Farmers** | | | **Approx. No. of Extension Officials** | | | **Total** | | | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | | **Female** | | **Total** |
| Field Day | 8 | 400 | 100 | 500 | 20 | - | 20 | 420 | | 100 | | 520 |
| KisanMela | 1 | 2000 | 400 | 2400 | 50 | 10 | 60 | 2050 | | 410 | | 2460 |
| Kisan Ghosthi | 4 | 400 | 200 | 600 | 30 | 15 | 45 | 430 | | 215 | | 465 |
| Exhibition | 4 | 2000 | 400 | 2400 | 50 | 10 | 60 | 2050 | | 410 | | 2460 |
| Film Show | 20 | 700 | 200 | 900 | 15 | 5 | 20 | 715 | | 205 | | 920 |
| Group meetings | 10 | 300 | 200 | 500 | 20 | 20 | 40 | 320 | | 220 | | 540 |
| Lectures delivered as resource persons | 20 | 300 | 200 | 500 | 20 | 20 | 40 | 320 | | 220 | | 540 |
| Newspaper coverage | 50 | Mass | | | | | | | | | | |
| Radio talks | 6 |
| TV talks | 6 |
| Popular articles | 4 |
| Extension Literature | 4 |
| **Advisory Services** | | | | | | | | | | | | |
| Scientific visit to farmers field | 20 | 100 | 50 | 150 | 15 | 5 | 20 | 115 | 55 | | 170 | |
| Farmers visit to KVK |  | 1200 | 250 | 1450 | 40 | 10 | 50 | 1240 | 260 | | 1500 | |
| Diagnostic visits | 4 | 20 | - | 20 | 10 | 2 | 12 | 30 | 2 | | 32 | |
| Exposure visits | 2 | 100 | - | 100 | - | - | - | 100 | - | | 100 | |
| Ex-trainees Sammelan | 2 | 40 | 20 | 60 | - | - | - | 40 | 20 | | 60 | |
| Soil health Camp | - | - | - | - | - | - | - | - | - | | - | |
| Animal Health Camp | 2 | 30 | 30 | 60 | 4 | - | 4 | 34 | 30 | | 64 | |
| Agri mobile clinic | - | - | - | - | - | - | - | - | - | | - | |
| Soil test campaigns | 2 | 75 | 50 | 125 | 5 | - | 5 | 85 | 50 | | 135 | |
| Farm Science Club Conveners meet | - | - | - | - | - | - | - | - | - | | - | |
| Self Help Group Conveners meetings | 3 | - | 43 | 43 | 1 | 1 | 2 | 1 | 45 | | 46 | |
| Mahila Mandals Conveners meetings | - | - | - | - | - | - | - | - | - | | - | |
| Celebration of important days (specify) | - | - | - | - | - | - | - | - | - | | - | |
| Krishi Mohostva | - | - | - | - | - | - | - | - | - | | - | |
| Krishi Rath | - | - | - | - | - | - | - | - | - | | - | |
| Pre Kharif workshop | 2 | 50 | 50 | 100 | 10 | - | 10 | 60 | 50 | | 110 | |
| Pre Rabi workshop | 2 | 50 | 50 | 100 | 10 | - | 10 | 60 | 50 | | 110 | |
| **Total** | **196** | **7765** | **2243** | **10008** | **300** | **98** | **398** | **8070** | **2342** | | **10412** | |

**3.5 Target for Production and supply of Technological products**

**SEED MATERIALS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Crop** | **Variety** | **Approx. Quantity (qtl.)** |
|
| **CEREALS** | Wheat (FS / CS) Certified | Raj-4238 | 15 |
| **OILSEEDS** | Soybean (BS / FS) | RKS-24 | 12 |
| JS-20-29 | 40 |
| **PULSES** | Gram (BS / FS) | GNG-1958 | 22 |
| **FRUITS** | Mango | Mallika, Dashehari, Langra, Amrapali, etc. | 50 |
| Guava | L-49 | 100 |

**PLANTING MATERIALS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Crop** | **Variety** | **Approx. Quantity (Nos.)** |
| **FRUITS** | Mango (Grafted) | Mallika, Dashehari, Langra, Amrapali, Kesar etc. | 12000 |
| Guava (Budded, Air layering) | L-49, Allahabad Safeda | 8000 |
| Lemon (Air layering) | Kagzi | 5000 |
| Sapota (Grafted) | Kali Patti | 500 |
| Papaya (Seeded) | Red Lady-786 | 10000 |
| Pomegranate (Cutting) | Mradula | 1000 |
| **Seedlings** | Vegetable (Seedlings) | Tomato, Brinjal, Onion, Chilli | 23000 |
| **Total** | | | **50,500** |

**Bio-products**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Product Name** | **Species** | **Approx. Quantity** | |
| **No** | **(kg)** |
| **BIO PESTICIDES** | | | | |
| 1 | Vermicompost | Organic manures | - | 4000 |
| 2 | worms | *Isenia foetida* | - | 50 |

**LIVESTOCK**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Type** | **Breed** | **Approx. Quantity** | |
| **(Nos)** | **Unit** |
| POULTRY | Chicks | Pratapdhan/Colour Cross Breed / Kadaknath | 10,000 | 500 |

* 1. **Literature to be Developed/Published**

1. **KVK News Letter**

Date of start :

Number of copies to be published :

**(B) Literature developed/published**

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Topic** | **Approx. Number** |
| 1 | Research paper each scientist | 2 |
| 2 | Technical reports | 12 |
| 3 | Training manual all discipline | 2 |
| 4 | Popular article | 4 |
| 5 | Extension literature | 4 |
|  | **Total** | **24** |

**(C) Details of Electronic Media to be Produced**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Type of media (CD / VCD / DVD / Audio-Cassette)** | **Title of the programme** | **Number** |
| 1 | 1 DVDs | On Entrepreneurship Development | 1 |

**3.7. Success stories/Case studies identified for development as a case. -**

**3** success stories will be prepared during the year 2019-20

**3.8 Indicate the specific training need analysis tools/methodology followed for**

**Practicing Farmers**

a) Selection of farmers based on need.

b) Use of ICT.

c) More emphasis on practical aspects of the subject.

a) Selection of youth based on need.

b) More emphasis given on the finer of the skill.

c) Employment generation for youth at village level.

d) Federating the youth for marketing their products in better way.

**In-service personnel**

a) Imparting latest technical know how.

b) Use of ICT.

c) More emphasis on practical aspects of the subject.

**3.9 Indicate the methodology for identifying OFTs/FLDs**

**For OFT :**

i) PRA

ii) Problem identified from Matrix

iii) Field level observations

iv) Farmer group discussions

v) Others if any

**For FLD :**

1. New variety/technology
2. Poor yield at farmers level
3. Existing cropping system
4. Others if any

**3.10 Field activities**

i. Name of villages identified/adopted with block name (from which year) -

ii. No. of farm families selected per village :

iii. No. of survey/PRA conducted :

iv. No. of technologies taken to the adopted villages

v. Name of the technologies found suitable by the farmers of the adopted villages:

vi. Impact (production, income, employment, area/technological– horizontal/vertical)

vii. Constraints if any in the continued application of these improved technologies

**3.11. Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab:

1. Year of establishment : 2007

2. List of equipments purchase with amount

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No. | Name of the equipment | Quantity | Cost (Rs) |
| 1 | pH Meter | 1 | 7500 |
| 2 | EC Meter | 1 | 7500 |
| 3 | Flame Photometer | 1 | 45000 |
| 4 | Spectro Photometer | 1 | 50000 |
| 5 | Mrada Parikshak | 1 | 75000 |

3. Targets of samples for analysis:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Details | No. of Samples | No. of Farmers | No. of Villages | Amount to be realized |
| Soil Samples | - | - | - | - |
| Water | - | - | - | - |
| Plant | - | - | - | - |
| Total | - | - | - | - |

**4.0 LINKAGES**

**4.1 Functional linkage with different organizations**

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Name of Organization** | **Nature of linkages** |
| **I. Line departments of Govt. of Rajasthan** | | |
| 1 | Department of Agriculture | Planning annual training schedule, demonstrations and extension activities |
| 2 | Department of Horticulture | Planning annual training schedule, demonstrations and extension activities |
| 3 | Department of Animal Husbandry | Training programme and animal treatment camp |
| 4 | District Women and Development Agency | Training and other programme for women and child |
| 5 | Department of Watershed and Soil Conservation | Collaborative training programme, field visit, guest speakers |
| 6 | Department of Forest | Environmental programme and supply of plants |
| 7 | District Rural Development Agency | Funds for development work |
| 8 | Lead Bank | Loan to farmer’s, guest lecture on finance management |
| 9 | NABARD | Loan to farmer’s, guest lecture on finance facilities |
| 10 | Nehru Yuva Kendra | Training programme for their volunteers and extension workers |
| 11 | IFFCO and KRIBHCO | Collaborative training programme and inter change of subject matter specialists |
| 12 | Rajasthan State Seed Corporation | Supply of seed and seed production programme |
| 13 | Rural Institution- Gram Panchayats, Cooperatives, Schools | Training programme and demonstrations |
| 14 | Department of Fisheries | Training programme and demonstrations |
| 15 | ACCESS Development Servises | For farmers fedration and producer company formation |
| **II. ICAR Institutes** | | |
| 1 | Central Institute of Fisheries Education, Mumbai | Partner in NAIP, expansion of fisheries activities in the district |
| 2 | Indian Institute of Agricultural Research, New Delhi | Seed production programme |
| 3 | CAZRI, Jodhpur | Demonstrations of green fodder and fruits plants |
| 4 | CSWRI, Avikanagar (Tonk) | Technology for improvement of animal breed |
| 5 | IGFRI, Jhansi | Demonstrations on green fodder |
| 6 | NRC on Seed Spices, Tabiji (Ajmer) | Training programme & demonstrations |
| 7 | DMR, Sewar, Bharatpur | Training programme & demonstrations |
| 8 | CIRCOT,Sirsa | Training programme & demonstrations |
| 9 | CISH, Lucknow | Training programme & demonstrations |
| **III. SAUs** | | |
| 1 | SKRAU, Bikaner, AAU Anand, VRSAU, Gwaliar, SKNAU, Fatehpur Shekhawati | Soil test based fertilizer recommendation demonstrations farmers training and extension activities |
| **IV. NGOs** | | |
| 1 | BAIF RIDMA | For resource person for training |
| 2 | Gramin Vikas Trust | For resource person for training and planting material supply |
| 3 | Sadgru Foundation | For resource person for training and supply of planting material |
| 4 | World Vision | For resource person for training & supply of fish seed |
| 5 | Sampuran Gram Vikas Samiti | For resource person for training |
| 6 | Gramin Vikas Pragati Sansthan | For resource person for training |
| 7 | Reliance Foundation | For resource person for training and planting material supply |
| 8 | Maryada Seva Sansthan | For resource person for training |
| 9 | Gayatri Seva Sansthan | For resource person for training |

4.2 Details of linkage with ATMA

**a)** Is ATMA implemented in your district Yes/No: YES

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Programme** | **Nature of linkage** |
| 1 | Training of progressive farmers | Resource person |
| 2 | Farm school | Resource person |
| 3 | Innovation activity etc | Input supplier |

**4.3 Give details of programmes under National Horticultural Mission**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Programme** | **Nature of linkage** |

**4.4 Nature of linkage with National Fisheries Development Board**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Programme** | **Nature of linkage** |

**5.0 Utilization of hostel facilities**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Programme** | **Approx. No. of days** |
| **1** | **On campus Trainings of KVK, Sponsored Trainings of ATMA / NGOs and exposure visits etc** | **110-120 days** |

**6.0 Convergence with departments :**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of scheme** | **Name of Agency (Central/state)** | **Funds received (Rs.)** | **Activities organized** | **Operational Area** | **Remarks** |
| ATMA | State | -- | Training | Banswara district | - |
| RKVY | Central | 2.50 lakh | FLD | Adopted villages | - |
| NAIP | Central | 57.60 lakh | Demonstration, trainings and subsidized high value input distribution | NAIP adopted villages | - |
| TAD (Deptt. of Animal Husbandry, Banswara) | State | -- | Demonstration  (Backyard poultry) | Adopted villages |  |

**7.0 Feedback of the farmers about the technologies demonstrated and assessed :**

Farmers Appreciated the results of demonstrated technologies.

**8.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities :**

|  |
| --- |
| Crop diversification – emerging crop with problems arising : **(i)** During *kharif* Soybean area is increasing and it need short duration and high yielding varieties. **(ii)** During *rabi* maize area is increasing   * Nutritional deficiency : Zinc deficiency in *rabi* maize and wheat. * Insect pest and diseases : **(i)** Management technologies for post flowering stalk rot in maize. **(ii)** Disease management in poly house (for tomato, chilli, cucumber etc). **(iii)** Evaluation or assessment of resistant varieties against yellow mosaic in greengram and blackgram. **(iv)** Disease forewarning modules against blast and bacterial leaf blight. **(v)** Management technique against para-wilt of cotton. * Water management : **(i)** Farmers followed flood system of irrigation and excess use of water.   **(ii)** Water logging problem from canal around in 5000 ha area.   * Physiological disorder : Mango malformation. * Spurious material : Lake of good Government sector hybrid maize & vegetable varieties. * Any other if any : Need of heat tolerance varieties of wheat. |
| In livestock -  **(i)** Disease: H.S., FMD, Parasitic Infection.  **(ii)** Infertility problem in large animal.  **(iii)** Lack of availability of improved breeds. |

## Annexure - I

## Training Programme

**i) Farmers & Farm women (On Campus)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Clientele** | **Title of the training programme** | **Duration in days** | **Approx. Number of participants** | | | **Approx. Number of SC/ST** | | | **G. Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| **Crop Production** | | | | | | | | | | |
| 24-27.06.19 | PF/FW | Integrated pest management in Blackgram, Soybean and Maize |  | - | - | - | 25 | 5 | 30 | 30 |
| 18-21.09.19 | Crop diversification for sustainable crop production | - | - | - | 25 | 5 | 30 | 30 |
| **Horticulture** | | | | | | | | | | |
| 01-04.07.19 | PF/FW | Production technology to increase mango production | 4 | - | - | - | 25 | 5 | 30 | 30 |
| 03-06.09.19 | Raised bed production technology of Vegetables | - | - | - | 25 | 5 | 30 | 30 |
| 14-17.10.19 | Protected cultivation of vegetables | - | - | - | 25 | 5 | 30 | 30 |
| 18-21.02.20 | Microirrigation and fertigation in horticultural crops | - | - | - | 25 | 5 | 30 | 30 |
| **Livestock prod.** | | | | | | | | | | |
| 8-11.4.19 | PF/FW | Back yard poultry production for marginal and land less farmers | 4 | - | - | - | 25 | 5 | 30 | 30 |
| 5-8.08.19 | Scientific Goat farming for traible farmers | 4 | - | - | - | 25 | 5 | 30 | 30 |
| 21-24.10.19 | Feeding management dairy animals | 4 | - | - | - | 20 | 5 | 25 | 25 |
| 16-19.12.19 | Commercial poultry production | 4 | - | - | - | 25 | 5 | 30 | 30 |
| **Agril. Engg.** | | | | | | | | | | |
| **Home Sc.** | | | | | | | | | | |
| 23-26.4.19 | FW | Rural crafts – Bamboo products | 4 | - | - | - | - | 30 | 30 | 30 |
| 23-26.7.19 | House hold food security by nutrition gardening | - | - | - | - | 30 | 30 | 30 |
| 5-8.11.19 | Location Specific Drudgery reduction technologies | - | - | - | - | 30 | 30 | 30 |
| **Plan prot.** | | | | | | | | | | |
| **Fisheries** | | | | | | | | | | |
| **Soil Health** | | | | | | | | | | |
| 10-13.6.19 | PF/FW | Production technologies for quality organic manures | 4 | - | - | - | 30 | - | 30 | 30 |

**i) Farmers & Farm women (Off Campus)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Clientele** | | | | **Title of the training programme** | **Duration in days** | **Approx. No. of participants** | | | **Approx. Number of SC/ST** | | | **G. Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| **Crop Production** | | | | | | | | | | | | | |
| 15.05.19 | PF/FW | Selection of improved varieties of major Kharif crops | | | | 1 | - | - | - | 25 | 15 | 40 | 40 |
| 10.06.19 | Use and benefits of drip method of irrigation in cotton | | | | - | - | - | 25 | 15 | 40 | 40 |
| 08.07.19 | Transplanting of seedling of paddy in SRI | | | | - | - | - | 25 | 15 | 40 | 40 |
| 09.07.19 | Weed management in standing crop of Soybean through herbicide application | | | | - | - | - | 25 | 15 | 40 | 40 |
| 08.08.19 | Good Agriculture Practices in Oilseeds | | | | - | - | - | 25 | 15 | 40 | 40 |
| 07.09.19 | Production technology of sweet corn | | | | - | - | - | 25 | 15 | 40 | 40 |
| 02.11.19 | Irrigation management in wheat through critical stages | | | | - | - | - | 25 | 15 | 40 | 40 |
| 15.02.20 | Integrated pest management in summer green gram | | | | - | - | - | 25 | 15 | 40 | 40 |
| **Horticulture** | | | | | | | | | | | | | |  | Irrigation scheduling in rabi crops |
| 08.04.19 | PF/FW | Micro irrigation in horticultural crops | | | | 1 | - | - | - | 25 | 15 | 40 | 40 |
| 18.05.19 | Safe handling and ripening of mango | | | | - | - | - | 25 | 15 | 40 | 40 |
| 09.07.19 | Importance of Micro nutrients in fruit crops | | | | - | - | - | 25 | 15 | 40 | 40 |
| 14.08.19 | Rejuvenation of old and senile orchards | | | | - | - | - | 25 | 15 | 40 | 40 |
| 17.09.19 | Raised bed production technology of vegetables | | | | - | - | - | 25 | 15 | 40 | 40 |
| 18.10.19 | Regulation of bearing in Mango | | | | - | - | - | 25 | 15 | 40 | 40 |
| 04.11.19 | Cultivation of vegetables under low tunnels | | | | - | - | - | 25 | 15 | 40 | 40 |
| 02.12.19 | Mulching in vegetables | | | | - | - | - | 25 | 15 | 40 | 40 |
| 06.01.20 | Management of nematodes in protected cultivation | | | | - | - | - | 25 | 15 | 40 | 40 |
| 22.02.20 | Canopy management in fruit crops | | | | - | - | - | 25 | 15 | 40 | 40 |
| **Live Stock Production**. | | | | | | | | | | | | | |
| 16.4.19 | PF/FW | | Management of breeding bucks | | |  | - | - | - | 25 | 10 | 35 | 35 |
| 25.4.19 | Breeding management in goat | | | - | - | - | 20 | 10 | 30 | 30 |
| 6.5.19 | Feeding management of dairy animals | | | - | - | - | 25 | 10 | 35 | 35 |
| 24.5.19 | Management of pregnant aninmals | | | - | - | - | 20 | 10 | 30 | 30 |
| 11.6.19 | Management of backyard poultry | | | - | - | - | 20 | 10 | 30 | 30 |
| 8.7.19 | Vaccination programme for rairing animals | | | - | - | - | 20 | 15 | 35 | 35 |
| 9.9.19 | Cultication Azolla for greed fodder | | | - | - | - | 20 | 10 | 30 | 30 |
| 15.10.19 | Care & management of newly born calfs | | | - | - | - | 20 | 10 | 30 | 30 |
| 13.11.19 | Importance of artificial insemination | | | - | - | - | 25 | 10 | 35 | 35 |
| 14.12.19 | Importance of mineral mixture feeding in dairy animals. | | | - | - | - | 30 | 10 | 40 | 40 |
| **Agril. Engg.** | | | | | | | | | | | | | |
| **Home Sc.** | | | | | | | | | | | | | |
| 9.4.19 | PF/FW | | | Safe grain storage | | 1 | - | - | - | 5 | 25 | 30 | 30 |
| 4.6.19 | Layout- of kitchen garden | | 1 | - | - | - | 5 | 25 | 30 | 30 |
| 18.7.19 | Importance of Soybean in daily diet | | 1 | - | - | - | 5 | 25 | 30 | 30 |
| 19.12.19 | Soybean processing | | 1 | - | - | - | 5 | 25 | 30 | 30 |
| **Plant Protection** | | | | | | | | | | | | | |
| **Fisheries** | | | | | | | | | | | | | |
| **Soil health** | | | | | | | | | | | | | |
| 15.4.19 | PF/FW | | | Method of soil sampling | | 1 | 10 | 5 | 15 | 20 | 15 | 35 | 50 |
| 09.7.19 | Organic farming | | 1 | 10 | 5 | 15 | 25 | 10 | 35 | 50 |
| 11.10.19 | Importance and use of bio fertilizers | | 1 | 10 | 5 | 15 | 25 | 10 | 35 | 50 |
| 20.1.20 | Vermicomposting | | 1 | 10 | 5 | 15 | 25 | 10 | 35 | 50 |

## ii) Vocational training programmes for Rural Youth

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop / Enterprise** | **Identified Thrust Area** | **Training title\*** | **Month** | **Duration (days)** | **Approx. No. of Participants** | | | **Approx. SC/ST participants** | | | **G.Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| Home Science | Women empowerment | Tailor Ladies | 1 | 30 | - | 5 | 5 | - | 15 | 15 | 20 |

**iii) Training programme for extension functionaries**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Clientele** | **Title of the training programme** | **Duration in days** | **Approx. No. of participants** | | | **Approx. Number of SC/ST** | | | **G. Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| **On Campus** | | | | | | | | | | |
| **11-12.6.19** | **ICDS Workers** | **Value Addition** | 2 | - | 10 | 10 | - | 15 | 15 | 25 |
| **3-4.12.19** | **Agri. Supervisors** | **Care and maintenance of farm machinary** | 2 | 10 | - | 10 | 15 | - | 15 | 25 |

**iv) Sponsored programme**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Sponsoring agency** | **Clientele** | **Title of the training programme** | **No. of course** | **Approx. No. of participants** | | | **Approx. Number of SC/ST** | | | **G. Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| 1. **Sponsored training progdramme** | | | | | | | | | | | |
| Multi disciplinery | ATMA | Progressive farmers & field staff | Integrated Farming System | 15 | 50 | 10 | 60 | 290 | 100 | 390 | 450 |
| Multi disciplinery | NGO | Progressive farmers & field staff | Integrated Farming System | 5 | 20 | 10 | 30 | 90 | 30 | 120 | 150 |
| **Total** | | | | **20** | **70** | **20** | **90** | **380** | **130** | **510** | **600** |

**\*Number of trainings/activities may be increased or decreased according to availability of fund.**

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