**DETAILS OF ACTION PLAN OF KVK, Banswara DURING 2017-18**

**(1st April, 2017 to 31st March, 2018)**

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 | [kvkbanswara@ gmail.com](mailto:kvkbanswara@gmail.com) | www.mpuat.ac.in |
| 02962-260069 | 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 : No

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

1.2.d Status of ICT lab at your KVK : No

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

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

1.4. Year of sanction: 1983

**1.5. Staff Position (as on 31 Oct. 2016)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **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 | Agriculture Extension Education | 37400-67000 | 9000 | 53820 | 18-9-2007 | Temporary | OBC | 9636792255 | kvkbanswara@gmail.com | drsoni.jpg |
| 2 | Scientist | Dr. Ranjeet Singh | Scientist | Soil Science | 15600-39100 | 7000 | 27750 | 6-7-2006 | Temporary | OBC | 9414604902 | ranjeetsingh1970@gmail.com | drranjeet.jpg |
| 3 | Scientist | Dr. H.L. Bugalia | Scientist | Animal Science | 15600-39100 | 6000 | 22250 | 31.12.2011 | Temporary | OBC | 9001590701 | kvkbanswara@gmail.com | drbugalia.jpg |
| 4 | Scientist | Dr. B.S.Bhati | Scientist | Horticulture | 15600-39100 | 6000 | 21600 | 25.6.2013 | Temporary | Others | 9829422993 | bhati.bsbikaner@gmail.com | drbhati.jpg |
| 5 | Scientist | Vacant | Scientist | Agronomy | - |  | - | - | - | - | - |  |  |
| 6 | Scientist | Vacant | Scientist | Fisheries | - | - | - | - | - | - | - |  |  |
| 7 | Scientist | Vacant | Scientist | Home Science | - |  | - | - | - | - | - |  |  |
| 8 | Programme Assistant | Dr. G.L. Kothari | STA | Agriculture Extension Education | 15600-39100 | 6000 | 31850 | 20-2-1990 | Temporary | Others | 9414786256 | kvkbanswara@gmail.com | dr.kothari.jpg |
| 9 | Farm Manager | Vacant | T.A. | Agriculture |  |  |  |  |  |  |  |  |  |
| 10 | Computer Programmer | Mrs. Rashmi Dave | T.A. | Home Science | 9300 -34800 | 4800 | 20770 | 13-8-2003 | Temporary | Others | 9460584423 | kvkbanswara@gmail.com | r_dace.jpg |
| 11 | Accountant / superintendent | Vacant | Accountant | - | - |  | - | - | - | - | - |  |  |
| 12 | Stenographer | Sh. Devi Lal | LDC Grade II | - | 5200 -20200 | 3600 | 15310 | 24.2.1980 | Temporary | OBC | 9166408040 | kvkbanswara@gmail.com | dl.jpg |
| 13 | Driver | Sh. Vithla | Driver | - | 9300 -34800 | 3600 | 21520 | 22-12-1978 | Temporary | SC | 9460410241 | kvkbanswara@gmail.com | vitthla.jpg |
| 14 | Driver | Vacant | Driver | - | - | - | - | - | - | - | - |  |  |
| 15 | Supporting staff | Sh. Goverdhan Lal | Supporting Staff | - | 5200 -20200 | 2000 | 11600 | 18-10-1979 | Temporary | OBC | 9461118383 | kvkbanswara@gmail.com | gl.jpg |
| 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. Lac)** | **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 | ICAR | 2014 | - | - | - | - | - |

**B) Vehicles**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of vehicle** | **Year of purchase** | **Cost (Rs.)** | **Total kms. Run** | **Present status** |
| Bolero Jeep | 2007 | 500000 | 256825 | Running |
| Motor Cycle | 2004 | 27000 | 96185 | Running |
| Motor Cycle | 2011 | 50000 | 37479 | Running |

**C) Equipments & AV aids**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the equipment** | **Year of purchase** | **Cost (Rs.)** | **Present status** |
| LCD | 2005 | 82620 | Good |
| Television + VCD | 2007 | 26200 | Good |
| Video Conferencing | 2007 | 170840 | Good |
| Digital Camera | 2007 | 14000 | Good |
| Digital Camera | 2009 | 15000 | Good |
| Digital Camera | 2011 | 27000 | Good |

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

|  |  |
| --- | --- |
| **Sl.No.** | **Date** |
| 1. Scientific Advisory Committee | 03.03.2016 |

d`f”k foKku dsUnz ckalokMk ds lHkkxkj esa dsUnz dh okf”kZd oSKkfud lykgdkj lfefr dh cSBd 3 ekpZ] 2016 dks egkjk.kk izrki d`f”k ,oa izkS|ksfxdh fo’ofo|ky;] mn;iqj ds izlkj f’k{kk funs’kd MkW- th-,l-frokjh dh v/;{krk esa lEiUu gqbZA cSBd esa MkW-frokjh us crk;k fd Ñf”k foKku dsUnz] ckalokM+k }kjk fd, x, dk;Z vuqdj.kh; ,oa fdlku fgrdkjh gSa rFkk Ñf”k rduhdksa ds ekWMy LFkkfir dj fdlkuksa dks bldk ykHk igqapk,aA mUgksaus lq>ko fn;k fd izkÑfrd lalk/kuksa dk leqfpr mi;ksx gks ,oa uohu rduhdksa dks fdlkuksa rd igqapk dj vf/kd ls vf/kd fdlkuksa dks ykHkkfUor djsaA cSBd ds izkjEHk esa ofj”B oSKkfud ,oa izHkkjh MkW-vkj-,y-lksuh us vkxUrqd vfrfFk;ksa dk Lokxr djrs gq, d`f”k foKku dsUnz dk o”kZ 2015&16 dk okf”kZd dk;Z izfrosnu ,oa o”kZ 2016&17 ds izLrkfor dk;ZØeksa dh foLr`r tkudkjh nhA cSBd esa fof’k”V lykgdkj ds :Ik esa ‘kkfey iz/kku oSKkfud] vVkjh] tks/kiqj MkW-ih-ih- jksfgYyk us d`f”k foKku dsUnz }kjk fd, dk;ksZa dh iz’kalk djrs gq, dgk fd ekWMy xzke cuk,a ftlls lkjh rduhdsa ,d lkFk LFkkukUrfjr gks lds ,oa fdlkuksa esa feV~Vh ijh{k.k ds fy, vf/kdkf/kd tkx#drk ds iz;kl djsaA {ks=h; funs’kd vuqla/kku MkW-ih-ds jksdfM+;k us lq>ko fn;k fd izFke iafDr izn’kZuksa esa lEiw.kZ rduhdh gLrkUrj.k dj ml ij lQyrk dh dgkuh cuk dj izpkj&izlkj djsa ftlls vf/kd ls vf/kd fdlku ykHkkfUor gks ldsa lkFk gh mUgksaus dgk dsUnz }kjk [ksr ij fd, x, dk;ksZa esa lEiw.kZ rduhdksa dk lekos’k ,d lkFk fd;k tk,A Ñf”k vfHk;kaf=dh egkfo|ky; ds vkpk;Z MkW- ,-ds-esgrk us lq>ko fn;k fd vk/kqfud Ñf”k midj.kksa ds lapkyu] j[kj[kko ,oa lqj{kk izca/kuksa ij izf’k{k.k fn;s tk,a ftlls Ñf”k ;a=ksa dk csgrj mi;ksx ,oa nq?kZVukvksa ls cpko gks ldsA MkW-ohih-lSuh vkpk;Z eRL; foKku mn;iqj us eNyh ikyu dks ftys dk lcls ykHkdkjh O;olk; crk;k ,oa mUgksaus dgk fd LFkkuh; miyC/k izkd`frd lalk/kuksa dk mfpr mi;ksx dj Ñ”kdksa dks bl ckjs esa vkxs c<+kuk pkfg, ftlls mudh vkenuh c<+ ldsA vkpk;Z ‘kL; foKku MkW-ih-lh-piyksr us Hkh vius lq>koksa ls ykHkkfUor fd;kA

cSBd esa fuEu vf/kdkfj;ksa ,oa izfrfuf/k;ksa us Hkkx fy;k&

|  |  |  |
| --- | --- | --- |
| Ø-la- | uke | in ,oa foHkkx |
| 1 | MkW- th-,l-frokjh | funs'kd] izlkj f’k{kk funs’kky;] e-iz-Ñ-izkS-fo-fo-] mn;iqj |
| 2 | MkW-ih-ih- jksfgYyk | iz/kku oSKkfud vVkjh tks/kiqj |
| 3 | MkW- ih-ds-jksdfM;k | {ks=h; funs’kd] d`f”k vuqla/kku dsUnz] ckalokM+k |
| 4 | MkW-,-ds-esgrk | foHkkxk/;{k]QkeZ e’khujh] d`f”k vfHk;kaf=dh egkfo|ky;] mn;iqj |
| 5 | MkW- ih-lh-piyksr | vkpk;Z ‘kL; foKku] izlkj f’k{kk funs’kky;] mn;iqj |
| 6 | MkW-ohih-lSuh | vkpk;Z eRL; foKku] ekRL;dh egkfo|ky;] mn;iqj |
| 7 | MkW- vkj-ds- tkjksyh | mifuns'kd] d`f”k foLrkj] ckalokM+k |
| 8 | MkW- ,p- ds- f=osnh | mifuns’kd] cht izek.khdj.k] ckalokM+k |
| 9 | MkW- ykypUn | i’kq fpfdRlk vf/kdkjh |
| 10 | Jh ch-,l-jkBkSM+ | izca/kd] Ms;jh] ckalokM+k |
| 11 | Jh ‘kkfUryky Mkeksj | lgk;d funs’kd] m|ku] ckalokM+k |
| 12 | Jh vkj-ds- oekZ | mi funs’kd] vkRek] ckalokM+k |
| 13 | Jh lqjs’k feJk | ts-ds-ih-lh-,y-] otk[kjk] ckalokM+k |
| 14 | Jh ftrsUnz dqekj pkS/kjh | fjyk;al Qkm.Mslu] ckalokM+k |
| 15 | Jh y{e.k pjiksVk | izxfr'khy d`”kd |
| 16 | Jh j.kNksM+ flag lksyadh | izxfr'khy d`”kd |
| 17 | MkW- j.kthr flag | oSKkfud] e`nk foKku Ñf”k foKku dsUnz] ckalokM+k |
| 18 | MkW-,p-,y-cqxkfy;k | oSKkfud] i’kq mRiknu] Ñf”k foKku dsUnz] ckalokM+k |
| 19 | MkW-ch-,l-HkkVh | oSKkfud] m|ku foKku] Ñf”k foKku dsUnz] ckalokM+k |
| 20 | MkW- th-,y-dksBkjh | ofj"B rduhdh lgk;d ¼izlkj½] dsohds] ckalokM+k |
| 21 | MkW- iz’kkUr tkEcqydj | lgk;d vkpk;Z] Ñf”k vuqla/kku dsUnz] ckalokM+k |
| 22 | Jh ch-ds- iapky | dk;ZØe lgk;d] dsohds] ckalokM+k |
| 23 | Jh nsohyky | dfu"B fyfid] dsohds] ckalokM+k |
| 24 | MkW- vkj-,y-lksuh | ofj”B oSKkfud ,oa lfpo& oSKkfud lykgdkj lfefr] dsohds] ckalokM+k |

|  |
| --- |
| **fnukad 03-03-2016 dks vk;ksftr oSKkfud lykgdkj lfefr dh cSBd esa fuEufyf[kr fu.kZ; fy, x,%**  1- efgyk dkS’ky fodkl ,oa izlaLdj.k ij izf’k{k.k vk;ksftr dj mUgsa O;olk; ls tksM+us ds iz;kl fd;s tk;saA  2- iksYVªh ,oa vtksyk izn’kZuksa dk rF;kRed fo’ys”k.k dj mudh la[;k c<+kbZ tk;sA  3- ty cpr gsrq cwan&cwan o QOokjk flapkbZ i)fr;ksa ds iz;ksx djus o ty cpr gsrq izf’k{k.k vk;ksftr djsaA ty Iykou ds nq”izHkko o izca/ku ij izf’k{k.kksa dh la[;k c<+kbZ tk;sA  4- vlaLFkkxr izf’k{k.kksa dh la[;k c<+kbZ tk;sA  5- vkbZ-ih-,e- rdfudh dks izn’kZuksa esa ‘kkfey fd;k tk;sA  6- izxfr’khy Ñ”kdksa dh la[;k c<+k;sa o mudh lQyrk dh dgkuh izdkf’kr djsaA  7- dsohds vius dk;Z {ks= esa ,d ekWMy xkao cukus rFkk rhu o”kZ i’pkr~ ml xkao esa rduhdksa ds izHkko dk fo’ys”k.k fd;k tk;sA  8- iz{ks= fnolksa dh la[;k c<+kbZ tk;sA  9- izf’k{k.kksa esa vkbZlhVh dk mi;ksx c<+k;k tkosA  10- e`nk tkap uewuksa dh la[;k c<+kbZ tk;sA  11- iz/kkuea=h Qly chek ;kstuk ds ckjs esa vf/kdkf/kd fdlkuksa rd tkudkjh igqapkbZ tk;sA  12- tSfod [ksrh ij izf’k{k.k c<+k;s tk,a rFkk thoka’k mRiknksa dk mRiknu c<+k;k tk;sA  13- Ñf”k vkStkj ,oa midj.kksa ds mfpr mi;ksx] j[kj[kko o mi;ksx ds nkSjku lqj{kk lko/kkfu;ksa ij izf’k{k.k vk;ksftr fd, tk,aA  14- Ñf”k vkStkjksa dk dLVe gk;fjax csfll ij mi;ksx dks c<+kok fn;k tk;sA  15- vke mRiknu ij vkSj vf/kd izf’k{k.k fn;s tk;saA  16- Ñf”k foKku dsUnz ij yxk;s tk jgs ØkWi dsfQVsfj;k esa izpfyr lHkh fdLeksa dk lekos’k fd;k tk;sA  17- xkaoksa esa foyst ysoy dysD’ku lkslk;Vh ij Ms;jh ds izf’k{k.k vk;ksftr fd, tk,aA  **bu lq>koksa ij dsUnz }kjk fØ;kfUofr dh tk jgh gSA** |

**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 (%) |
| 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 (2015-16)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No | Crop | Area (ha) | Production (MT.) | Productivity (Qt./ha) |
| 1 | Paddy | 24250 | 12997 | 5.36 |
| 2 | Maize | 12450 | 81747 | 6.56 |
| 3 | Urd | 11000 | 4024 | 3.66 |
| 4 | Soybean | 48600 | 29874 | 6.14 |
| 5 | Cotton | 7800 | 3285 | 4.21 |
| 6 | Wheat | 80965 | 206056 | 25.45 |
| 7 | Barley | 881 | 18254 | 20.72 |
| 8 | Gram | 11800 | 10738 | 9.10 |
| 9 | Rabi Maize | 28436 | 137915 | 48.50 |

Source: Deptt. of Agriculture, GoR, Banswara

**2.5. Weather data (2016-17)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Month | Rainfall (mm) | Temperature 0C | | Relative Humidity (%) | |
| Maximum | Minimum | Maximum | Minimum |
| April 2016 | - | 41.7 | 18.2 | 64 | 17 |
| May 2016 | 12.7 | 44.5 | 26.1 | 59 | 18 |
| June 2016 | 96.2 | 43.9 | 26.8 | 75 | 21 |
| July 2016 | 743.2 | 25.1 | 23.5 | 90 | 61 |
| August 2016 | 365.6 | 31.5 | 23.8 | 91 | 63 |
| September 2016 | 112.1 | 33.9 | 23.7 | 88 | 49 |
| October 2016 | 64.3 | 34.3 | 12.9 | 85 | 23 |
| November 2016 | - | 32.3 | 10.8 | 78 | 20 |
| Total | 1394.1 |  |  |  |  |

* 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 |
| **Cross Breed** | 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 |

\*Source: Vital Statistics, GoR

**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 | 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), 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 |
| Sajjangarh | Sajjangarh | Goika Pargi, Goika baria, Rupgarh, Jalimpura, Kushalipada, Waka Khunta, Pandwal Lunja, Pandwal Oonkar | 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. * 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 |
| Ghatol | Ghatol | Todi Simrol, Sita Talai, Amarthoon , Bhompada | 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.No.** | **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), Aonla (NA 7, Chakya) 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 |

**3. TECHNICAL PROGRAMME**

1. **A. Details of targeted mandatory activities by KVK**

|  |  |  |  |
| --- | --- | --- | --- |
| **OFT** | | **FLD** | |
| **(1)** | | **(2)** | |
| Number of OFTs | Number of Farmers | Area (ha) | Number of Farmers |
| 6 | 40 | 112 | 310 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Training** | | **Extension Activities** | |
| **(3)** | | **(4)** | |
| Number of Courses | Number of Participants | Number of activities | Number of participants |
| 70 | 2533 | 182 | 11356 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Seed Production (Qtl.)** | **Planting material (Nos.)** | **Fish seed prod. (Nos)** | **Soil Samples** |
| **(5)** | **(6)** | **(7)** | **(8)** |
| 120 | 50500 | 2 Crore | 500 |

**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 | Balanced Nutrient management | okra | Imbalance use of fertilizer & no / or negligible use of zinc in okra cultivation | Balanced nutrient management in okra |  |  |  |  |  |
| 3 | Balanced nutrient management | Chilli | Low use of organic manners and imbalance use of fertilizers | Balance nutrient management in hybrid chilli |  |  |  |  |  |
| 4 | Use of growth harmon | Chilli | Shedding of flowers and frurits and no use of growth regulators | Effect of auxin on yield of chilli |  |  |  |  |  |
| 5 | Poultry management | Pratapdhan | Low body weight & less egg production | Performance evaluation of Pratapdhan breed in Banswara district |  |  |  |  |  |
| 6 | 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 |  |  |  |  | 1 |
| Integrated Nutrient Management / Balance Nutrient Management |  |  |  |  |  |  |  |  |  |  |
| 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** |  |  |  |  | **1** |  |  |  |  | **1** |

**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 | 1 |  |  |  | 2 |  |  |  |  | 3 |
| 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** | **1** |  |  |  | **2** |  |  |  |  | **3** |

**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 |  |  |  |  |  | 1 |
| Nutrition Management |  |  |  |  |  |  |  |  |
| Disease of Management |  |  |  |  |  |  |  |  |
| Value Addition |  |  |  |  |  |  |  |  |
| Production and Management |  |  |  |  |  |  |  |  |
| Feed and Fodder |  |  |  |  |  |  |  |  |
| Small Scale income generating enterprises |  |  |  |  |  |  |  |  |
| **TOTAL** |  | **1** |  |  |  |  |  | **1** |

**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 |  |  |  |  |  |  | 1 | 1 |
| Nutrition Management |  |  |  |  |  |  |  |  |
| Disease of Management |  |  |  |  |  |  |  |  |
| Value Addition |  |  |  |  |  |  |  |  |
| Production and Management |  |  |  |  |  |  |  |  |
| Feed and Fodder |  |  |  |  |  |  |  |  |
| Small Scale income generating enterprises |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  |  | **1** | **1** |

**B. Details of On Farm Trial**

**OFT-1 (Soil Science)**

1. Title : Balanced nutrient management in hybrid chilli
2. Problem diagnose/defined : Low use of organic manures and imbalance use of fertilizers
3. Details of technologies : T1- Farmers practice (110:40:0 kg N, P2O5 and K2O/ha and use of unfixed amount of FYM)

selected for assessment T2- Assessmentpractice (70:48:50 kg N, P2O5 and K2O with 20 t FYM/ha)

/refinement

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

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

1. Thematic area : Balance nutrient management
2. Performance of the

Technology with

performance indicators : 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 and poor quality of

organic mannures

1. Process of farmers :

participation and

their reaction : All farm operations done by farmers 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 |
| Chilli | Irrigated | Low use of organic mannures and imbalance use of fertilizers | Balanced nutrient management in hybrid chilli | 5 | Balance nutrient management | Yield, net return and B:C ratio | Yield | - | - |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Technology Assessed | Yield (q/ha) | | Net Return (Profit) in Rs. / ha | BC Ratio |
| 2016 | 2017 |
| 11 | 12 | | 13 | 14 |
| T1- Farmers practice (110:40:0 kg N, P2O5 and K2O/ha and use of unfixed amout of FYM) | Crop failed due to continuous heavy rainfall | - | | |
| T2- Assessment practice(70:48:50 kg N, P2O5 and K2O with 20 t FYM/ha) | - | | |

**OFT-2 (Soil Science)**

1. Title : Balanced nutrient management in hybrid okra
2. Problem diagnose/defined : Low use of organic manures and imbalance use of fertilizers
3. Details of technologies : T1- Farmers practice (78:23:0 kg N, P2O5 and K2O/ha and use of unfixed amount of FYM)

selected for assessment T2- Assessment practice(60:30:30 kg N, P2O5 and K2O with 20 t FYM/ha)

/refinement

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

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

1. Thematic area : Balance nutrient management
2. Performance of the

Technology with

performance indicators : Yield attribute, 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 and poor quality of

organic manures

1. Process of farmers :

participation and

their reaction : All farm operations done by farmers 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 |
| Okra | Irrigated | Low use of organic manures and imbalance use of fertilizers | Balanced nutrient management in hybrid okra | 5 | Balance nutrient management | Yield, net return and B:C ratio | Yield | - | - |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Technology Assessed | Yield (q/ha) | | Net Return (Profit) in Rs. / ha | BC Ratio |
| 2017 | 2018 |
| 11 | 12 | | 13 | 14 |
| T1- Farmers practice (78:23:0 kg N, P2O5 and K2O/ha and use of unfixed amount of FYM) |  |  |  |  |
| T2- Assessment practice(60:30:30 kg N, P2O5 and K2O with 20 t FYM/ha) |  |  |  |  |

**OFT-3 (Animal Production)**

1. Title : Performance evaluation of Pratapdhan breed in Banswara district
2. Problem diagnose/defined : Low body weight & less egg production
3. Details of technologies : T1- Farmers practice – Desi birds rearing under backyard

selected for assessment T2- Introduce of Pratapdhan birds under backyard

/refinement

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

thematic area : Rearing of desi birds in back yard

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

Technology with

performance indicators : Gain in body weight & egg production

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 & less egg production | Performance evaluation of Pratapdhan breed in Banswara district | 10 | Body weight & egg production in back yard | 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 |
| 2017 | 2018 |
| 11 | 12 | | 13 | 14 |
| T1- Farmers practice – Desi birds rearing under backyard | Result Awaited | | | |
| T2- Introduce of Pratapdhan birds |

**OFT-4 (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 |
| 2017 | 2018 |
| 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-5 (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

45 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 : 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 |
| 2017 | 2018 |
| 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-6 (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

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 |
| 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 |
| 2016 | 2017 |
| 11 | 12 | | 13 | 14 |
| T1- Farmers practice (No use of growth regulator) | Crop failed due to continuous heavy rainfall | - | - | - |
| T2- Foilar spray of NAA@20 ppm at 35 and 50 DAT | - | - | - |

**3.2 Frontline Demonstrations**

A. Details of FLDs to be organized -

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.  N. | Crop | Variety | Thematic area | Technology for demonstration | Critical inputs | Season and year | Area (ha) | No. of farmers/  demon. | Parameters identified |
| 1 | Soybean | RKS-24 | ICM | Seed replacement | Seed | Kharif 2017 | 20 | 50 | Yield q./ha |
| 2 | Black Gram | PU-31 | ICM | Seed replacement | Seed | Kharif 2017 | 20 | 50 | Yield q./ha |
| 3 | Maize | Pratap QPMH-1, DKC-7074 / New notified variety | ICM | Seed replacement | Seed | Kharif 2017 | 20 | 50 | Yield q./ha |
| 4 | Gram | GNG-1581 | ICM | Seed replacement | Seed | Rabi 2017-18 | 20 | 50 | Yield q./ha |
| 5 | Rabi Maize | Bio-9682 | ICM | Seed replacement | Seed | Rabi 2017-18 | 10 | 25 | Yield q./ha |
| 6 | Wheat | Raj-4079 | ICM | Seed replacement | Seed | Rabi 2017-18 | 10 | 25 | Yield q./ha |
| 7 | Tomato | Dev | HOV | Seed replacement | Seed | Rabi 2017-18 | 2 | 10 | Yield q./ha |
| 8 | Brinjal | Shamli | HOV | Seed replacement | Seed | Rabi 2017-18 | 2 | 10 | Yield q./ha |
| 9 | Onion | AFLR | HOV | Seed replacement | Seed | Rabi 2017-18 | 2 | 10 | Yield q./ha |
| 10 | Okra | Sonal / Shakti/ Marvel | HOV | Seed replacement | Seed | Zaid 2017 | 2 | 10 | Yield q./ha |
| 11 | Long Melon | Chandra | HOV | Seed replacement | Seed | Zaid 2017 | 2 | 10 | Yield q./ha |
| 12 | Chilli | Ujala/ Sitara | HOV | Seed replacement | Seed | Zaid 2017 | 2 | 10 | Yield q./ha |
|  |  |  |  |  | **Total** |  | **112** | **310** |  |

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

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

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Activity** | **No. of activities** | **Month** | **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 : NIL**

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

**(ii) Livestock Enterprises**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Enterprise** | **Breed** | **No. of farmers** | **No. of animals, poultry birds/ha. etc.** | **Critical inputs** | **Performance parameters /**  **indicators** |
|
| Goat | Sirohi | 10 | 10 | Bucks | Number of progeny |
| Poultry | Pratapdhan | 40 | 800 birds | 6 week chicks | Body weight & egg production |
| Azolla | Azolla | 10 | 10 unit | Azolla seed | Availability of low cost nutritious fodder |

**(iii) Other Enterprises**

|  |  |  |  |
| --- | --- | --- | --- |
| **Enterprise** | **No. of farmers** | **Critical inputs** | **Performance parameters / indicators** |
|
| Nutri Garden | 20 | Seasonal vegetables seeds, papaya plant – 5, lime plant – 1, aonla – 1, guava – 1, mango / pomegranate – 1 | Availability of fresh vegetables & fruits to farm families |
| Vermicompost | 10 | Vermi culture & bed | Availability of quality organic manure |

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

| **Thematic Area** | **No. of Courses** | | **No. of Participants** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Others** | | | | **SC/ST** | | | | | | | **Grand Total** |
| **Male** | **Female** | | **Total** | **Male** | | **Female** | | **Total** | | |
| **(A) Farmers & Farm Women** | | | | | | | | | | | | | | |
| **I Crop Production** | | | | | | | | | | | | | | |
| Weed Management | 1 | | 4 | 2 | | 6 | 20 | | 4 | | 24 | | | 30 |
| Crop Diversification | 1 | | 4 | 2 | | 6 | 20 | | 4 | | 24 | | | 30 |
| Integrated Crop Management | 2 | | 5 | 5 | | 10 | 40 | | 10 | | 50 | | | 60 |
| **II Horticulture** | | | | | | | | | | | | | | |
| **a) Vegetable Crops** |  | |  |  | |  |  | |  | |  | | |  |
| Off-season vegetables | 1 | | 6 | 4 | | 10 | 15 | | 5 | | 20 | | | 30 |
| Protective cultivation (Green Houses, Shade Net etc.) | 1 | | 8 | 2 | | 10 | 16 | | 4 | | 20 | | | 30 |
| **b) Fruits** |  | |  |  | |  |  | |  | |  | | |  |
| Export potential fruits | 1 | | 4 | 2 | | 6 | 20 | | 4 | | 24 | | | 30 |
| Micro irrigation systems of orchards | 1 | | 4 | 2 | | 6 | 20 | | 4 | | 24 | | | 30 |
| Plant propagation techniques |  | |  |  | |  |  | |  | |  | | |  |
| **III Soil Health and Fertility Management** |  | |  |  | |  |  | |  | |  | | |  |
| Integrated Nutrient Management | 2 | | 10 | - | | 10 | 35 | | 15 | | 50 | | | 60 |
| Production and use of organic inputs | 1 | | 5 | - | | 5 | 15 | | 10 | | 25 | | | 30 |
| Management of Problematic soils | 1 | | 10 | - | | 10 | 15 | | 5 | | 20 | | | 30 |
| **IV Livestock Production and Management** | | | | | | | | | | | | | | |
| Dairy Management | 1 | | 10 | - | | 10 | 10 | | - | | 20 | | | 20 |
| Poultry Management | 2 | | - | - | | - | 50 | | 10 | | 60 | | | 60 |
| Feed management | 1 | | - | - | | - | 20 | | 10 | | 30 | | | 30 |
| **V Home Science/Women empowerment** | | | | | | | | | | | | | | |
| Value addition | 2 | | - | 10 | | 10 | - | | 40 | | 40 | | | 50 |
| Income generation activities for empowerment of rural Women | 2 | | - | 20 | | 20 | - | | 20 | | 20 | | | 40 |
| **VI Fisheries** | | | | | | | | | | | | | | |
| **TOTAL** | **20** | **70** | | | **40** | **110** | | **216** | | **145** | | **511** | **471** | |
| **(B) RURAL YOUTH** |  |  | | |  |  | |  | |  | |  |  | |
| Cutting & Tailoring | 1 | - | | | - | - | | - | | 25 | | 25 | 25 | |
| **TOTAL** | **1** | **-** | | | **-** | **-** | | **-** | | **25** | | **25** | **25** | |
| **(C) Extension Personnel** | | | | | | | | | | | | | | |
| Integrated Pest Management | 1 | 8 | | | 2 | 10 | | 18 | | 2 | | 20 | 30 | |
| Care and maintenance of farm machinery and implements | 1 | 8 | | | 2 | 10 | | 18 | | 2 | | 20 | 30 | |
| Production and use of organic inputs | 1 | 20 | | | - | 20 | | 8 | | 2 | | 10 | 30 | |
| **TOTAL** | **3** | **40** | | | **4** | **44** | | **44** | | **6** | | **50** | **94** | |
| **G. Total** | **30** | **110** | | | **44** | **154** | | **410** | | **151** | | **561** | **715** | |

* 1. **OFF Campus**

| **Thematic Area** | **No. of Courses** | | | **No. of Participants** | | | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Others** | | | | | | **SC/ST** | | | | | | | | | | **Grand Total** | |
| Male | Female | | | Total | Male | | Female | | | Total | | | | |  | |
| **(A) Farmers & Farm Women** | | | | | | | | | | | | | | | | | | | | | |
| **I Crop Production** | | | | | | | | | | | | | | | | | | | | | |
| Weed Management | 2 | | | 5 | 5 | | | 10 | 50 | | 20 | | | 70 | | | | | 80 | |
| Resource Conservation Technologies | 1 | | | 3 | 2 | | | 5 | 20 | | 15 | | | 35 | | | | | 40 | |
| Crop Diversification | 1 | | | 4 | 6 | | | 10 | 20 | | 10 | | | 30 | | | | | 40 | |
| Water management | 1 | | | 6 | 4 | | | 10 | 25 | | 5 | | | 30 | | | | | 40 | |
| Seed production | 2 | | | 6 | 4 | | | 10 | 60 | | 10 | | | 70 | | | | | 80 | |
| Integrated Crop Management | 3 | | | 16 | 4 | | | 20 | 80 | | 20 | | | 100 | | | | | 120 | |
| **II Horticulture** | | | | | | | | | | | | | | | | | | | | | |
| **a) Vegetable Crops** |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Off-season vegetables | 1 | | | 3 | 3 | | | 6 | 30 | | 4 | | | 34 | | | | | 40 | |
| Protective cultivation (Green Houses, Shade Net etc.) | 1 | | | 4 | 6 | | | 10 | 15 | | 15 | | | 30 | | | | | 40 | |
| **b) Fruits** | | | | | | | | | | | | | | | | | | | | |
| Training and Pruning | 1 | | | 6 | 4 | | | 10 | 20 | | 10 | | | 30 | | | | | 40 | |
| Layout and Management of Orchards | 1 | | | 4 | 2 | | | 6 | 20 | | 14 | | | 34 | | | | | 40 | |
| Cultivation of Fruit | 1 | | | 4 | 2 | | | 6 | 20 | | 14 | | | 34 | | | | | 40 | |
| Rejuvenation of old orchards | 1 | | | 6 | 4 | | | 10 | 15 | | 15 | | | 30 | | | | | 40 | |
| Export potential fruits | 1 | | | 4 | 2 | | | 6 | 16 | | 18 | | | 34 | | | | | 40 | |
| Micro irrigation systems of orchards | 1 | | | 4 | 2 | | | 6 | 17 | | 17 | | | 34 | | | | | 40 | |
| **c) Ornamental Plants** |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Nursery Management | 1 | | | 5 | 5 | | | 10 | 15 | | 15 | | | 30 | | | | | 40 | |
| **d) Medicinal and Aromatic Plants** | | | | | | | | | | | | | | | | | | | | |
| Production and management technology | 1 | | | 5 | 5 | | | 10 | 15 | | 15 | | | 30 | | | | | 40 | |
| **III Soil Health and Fertility Management** | | | | | | | | | | | | | | | | | | | | |
| Soil fertility management | 1 | | | 10 | 5 | | | 15 | 25 | | 10 | | | 35 | | | | | 50 | |
| Integrated Nutrient Management | 1 | | | 10 | 5 | | | 15 | 25 | | 10 | | | 35 | | | | | 50 | |
| Production and use of organic inputs | 2 | | | 20 | 10 | | | 30 | 40 | | 30 | | | 70 | | | | | 100 | |
| Management of Problematic soils | 1 | | | 10 | 5 | | | 15 | 25 | | 10 | | | 35 | | | | | 50 | |
| Micro nutrient deficiency in crops | 1 | | | 10 | 5 | | | 15 | 25 | | 10 | | | 35 | | | | | 50 | |
| Nutrient Use Efficiency | 1 | | | 10 | 5 | | | 15 | 25 | | 10 | | | 35 | | | | | 50 | |
| Soil and Water Testing | 1 | | | 10 | 5 | | | 15 | 20 | | 15 | | | 35 | | | | | 50 | |
| **IV Livestock Production and Management** | | | | | | | | | | | | | | | | | | | | | |
| Dairy Management | 1 | | | 10 | - | | | 10 | 20 | | - | | | 30 | | | | | 30 | |
| Poultry Management | 2 | | | - | - | | | - | 60 | | 10 | | | 80 | | | | | 80 | |
| Disease Management | 1 | | | 5 | 5 | | | 10 | 15 | | 5 | | | 20 | | | | | 30 | |
| Feed management | 1 | | | 10 | 10 | | | 20 | 15 | | 5 | | | 20 | | | | | 40 | |
| Production of quality animal products | 1 | | | 10 | 10 | | | 20 | 5 | | 10 | | | 15 | | | | | 35 | |
| **V Home Science/Women empowerment** | | | | | | | | | | | | | | | | | | | | | |
| Value addition | | 2 | 10 | | 10 | 20 | | | 20 | | | 40 | | | 60 | | 80 | | | |
| Storage loss minimization techniques | | 2 | 20 | | 20 | 40 | | | 30 | | | 50 | | | 80 | | 120 | | | |
| Income generation activities for empowerment of rural women | | 1 | 5 | | 5 | 10 | | | 5 | | | 25 | | | 30 | | 40 | | | |
| **VI Fisheries** | | | | | | | | | | | | | | | | | | | | |
| **VII Production of Inputs at site** | | | | | | | | | | | | | | | | | | | | |
| Vermi-compost production | | 1 | 15 | | 5 | 20 | | | 20 | | | 10 | | | 30 | | 50 | | | |
| **VIII Others - Organic Farming** | | 1 | 10 | | 5 | 15 | | | 25 | | | 10 | | | 35 | | 50 | | | |
| **TOTAL** | | **43** | **274** | | **180** | | **454** | | | **858** | | | **497** | | | **1480** | | **1800** | | | |

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

| **Thematic Area** | **No. of Courses** | **No. of Participants** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Others** | | | **SC/ST** | | | **Grand Total** |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **(A) Farmers & Farm Women** | | | | | | | | |
| **I Crop Production** | | | | | | | | |
| Weed Management | 3 | 9 | 5 | 14 | 70 | 24 | 94 | 118 |
| Resource Conservation Technologies | 1 | 3 | 2 | 5 | 20 | 15 | 35 | 40 |
| Crop Diversification | 2 | 8 | 8 | 16 | 40 | 14 | 54 | 70 |
| Water management | 1 | 6 | 4 | 10 | 25 | 5 | 30 | 40 |
| Seed production | 2 | 6 | 4 | 10 | 60 | 10 | 70 | 80 |
| Integrated Crop Management | 5 | 21 | 9 | 30 | 120 | 30 | 150 | 180 |
| **II Horticulture** | | | | | | | | |
| **a) Vegetable Crops** |  |  |  |  |  |  |  |  |
| Off-season vegetables | 2 | 9 | 7 | 16 | 45 | 9 | 54 | 70 |
| Protective cultivation (Green Houses, Shade Net etc.) | 2 | 12 | 8 | 20 | 31 | 19 | 50 | 70 |
| **b) Fruits** |  |  |  |  |  |  |  |  |
| Training and Pruning | 1 | 6 | 4 | 10 | 20 | 10 | 30 | 40 |
| Layout and Management of Orchards | 1 | 4 | 2 | 6 | 20 | 14 | 34 | 40 |
| Cultivation of Fruit | 1 | 4 | 2 | 6 | 20 | 14 | 34 | 40 |
| Rejuvenation of old orchards | 1 | 4 | 6 | 10 | 15 | 15 | 30 | 40 |
| Export potential fruits | 2 | 8 | 4 | 12 | 36 | 22 | 58 | 70 |
| Micro irrigation systems of orchards | 2 | 8 | 4 | 12 | 37 | 21 | 58 | 70 |
| **c) Ornamental Plants** |  |  |  |  |  |  |  |  |
| Nursery Management | 1 | 5 | 5 | 10 | 15 | 15 | 30 | 40 |
| **d) Medicinal and Aromatic Plants** |  |  |  |  |  |  |  |  |
| Production and management technology | 1 | 5 | 5 | 10 | 15 | 15 | 30 | 40 |
| **TOTAL** |  |  |  |  |  |  |  |  |
| **(C) Extension Personnel** |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 1 | 10 | 2 | 12 | 18 | 2 | 20 | 32 |
| Care and maintenance of farm machinery and implements | 1 | 10 | 2 | 12 | 18 | 2 | 20 | 32 |
| Production and use of organic inputs | 1 | 20 | - | 20 | 8 | 2 | 10 | 30 |
| **TOTAL** |  |  |  |  |  |  |  |  |
| **G. Total** |  |  |  |  |  |  |  |  |
| **III Soil Health and Fertility Management** |  |  |  |  |  |  |  |  |
| Soil fertility management | 1 | 10 | 5 | 15 | 25 | 10 | 35 | 50 |
| Soil and Water Conservation | 2 | 10 | - | 10 | 35 | 15 | 50 | 60 |
| Integrated Nutrient Management | 2 | 15 | 5 | 20 | 40 | 20 | 60 | 80 |
| Production and use of organic inputs | 3 | 30 | 10 | 40 | 55 | 35 | 90 | 130 |
| Management of Problematic soils | 1 | 10 | 5 | 15 | 25 | 10 | 35 | 50 |
| Micro nutrient deficiency in crops | 1 | 10 | 5 | 15 | 25 | 10 | 35 | 50 |
| Nutrient Use Efficiency | 1 | 10 | 5 | 15 | 25 | 10 | 35 | 50 |
| Soil and Water Testing | 1 | 10 | 5 | 15 | 20 | 15 | 35 | 50 |
| **IV Livestock Production and Management** |  |  |  |  |  |  |  |  |
| Dairy Management | 2 | 20 | - | 20 | 30 | - | 30 | 50 |
| Poultry Management | 4 | - | - | - | 110 | 30 | 140 | 140 |
| Disease Management | 1 | 5 | 5 | 10 | 15 | 5 | 20 | 30 |
| Feed management | 2 | 10 | 10 | 20 | 35 | 15 | 40 | 60 |
| Production of quality animal products | 1 | 10 | 10 | 20 | 5 | 10 | 15 | 35 |
| **V Home Science/Women empowerment** |  |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening | 2 | 10 | 10 | 20 | 20 | 40 | 60 | 80 |
| Designing and development for high nutrient efficiency diet | 2 | 10 | 10 | 20 | 20 | 40 | 60 | 80 |
| Storage loss minimization techniques | 2 | 20 | 20 | 40 | 30 | 50 | 80 | 120 |
| Value addition | 2 | - | 10 | 10 | - | 40 | 40 | 50 |
| Income generation activities for empowerment of rural Women | 2 | - | 20 | 20 | - | 20 | 20 | 40 |
| Location specific drudgery reduction technologies | 1 | 5 | 5 | 10 | 5 | 25 | 30 | 40 |
| **VI Fisheries** |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  |  |  |  |
| **(B) RURAL YOUTH** |  |  |  |  |  |  |  |  |
| Cutting & Tailoring | 1 | - | - | - | - | 25 | 25 | 25 |
| **TOTAL** | **1** | **-** | **-** | **-** | **-** | **25** | **25** | **25** |
| **(C) Extension Personnel** |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 1 | 10 | 2 | 12 | 18 | 2 | 20 | 32 |
| Care and maintenance of farm machinery and implements | 1 | 10 | 2 | 12 | 18 | 2 | 20 | 32 |
| Production and use of organic inputs | 1 | 20 | - | 20 | 8 | 2 | 10 | 30 |
| **Total** | **3** | **40** | **4** | **44** | **44** | **6** | **50** | **94** |
| **G. TOTAL** | **70** | **384** | **233** | **617** | **1243** | **673** | **2136** | **2533** |

Details of training programmes attached in Annexure -I

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Nature of Extension Activity** | **No. of activities** | **Farmers** | | | **Extension Officials** | | | **Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| Field Day | 8 | 400 | 100 | 500 | 20 | - | 20 | 420 | 100 | 520 |
| Kisan Mela | 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 |  |  |  |  |  |  |  |  |  |
| 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 |
| Animal Health Camp | 4 | 100 | 60 | 160 | 4 | - | 4 | 104 | 60 | 164 |
| Safe grain campaign | 1 | 10 | 80 | 90 | 2 | 1 | 3 | 12 | 83 | 95 |
| Soil test campaigns | 4 | 125 | 75 | 200 | 10 | - | 10 | 135 | 75 | 210 |
| Celebration of important days (specify) | 3 | 450 | 300 | 750 | 30 | 10 | 40 | 480 | 310 | 790 |
| Pre Kharif workshop | 2 | 50 | 50 | 100 | 10 | - | 10 | 60 | 50 | 110 |
| Pre Rabi workshop | 2 | 50 | 50 | 100 | 10 | - | 10 | 60 | 50 | 110 |
| PPV & FRA workshop | 1 | 60 | 40 | 100 | 10 | - | 10 | 70 | 40 | 110 |
| **Total** | **182** |  |  |  |  |  |  |  |  | **11356** |

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

**SEED MATERIALS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Crop** | **Variety** | **Quantity (qtl.)** |
|
| **CEREALS** | Paddy (TL) | Pusa-1509 | 3 |
| Wheat (FS / CS) Certified | Raj-4079 | 40 |
| **OILSEEDS** | Soybean (BS / FS) | RKS-24 | 40 |
| **PULSES** | Gram (BS / FS) | GNG-1581 | 20 |
| **Fruits** | Mango | Mallika, Dashehari, Langra, Amrapali, etc. | 50 |
| Guava | L-49 | 100 |

**PLANTING MATERIALS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Crop** | **Variety** | **Quantity (Nos.)** |
| **FRUITS** | Mango (Grafted) | Mallika, Dashehari, Langra, Amrapali, Kesar etc. | 10000 |
| Guava (Budded, Air layering) | L-49, Allahabad Safeda | 10000 |
| Lemon (Air layering) | Kagzi | 5000 |
| Sapota (Grafted) | Kali Patti | 500 |
| Papaya (Seeded) | Red Lady-786 | 10000 |
| Pomegranate (Cutting) | Mradula | 500 |
| **ORNAMENTAL CROPS** | Rose (Cutting) | Ganganagri Red | 500 |
| Marigold (Seedlings) | Pusa Narangi, Pusa Basanti | 10000 |
| Vegetable (Seedlings) | Tomato, Brinjal, Onion, Chilli | 13000 |
| **Total** | | | **50,500** |

**Bio-products**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Product Name** | **Species** | **Quantity** | |
| **No** | **(kg)** |
| **BIO PESTICIDES** | | | | |
| 1 | Vermicompost | Organic manures | - | 7500 |
| 2 | Verms | *Isenia foetida* | - | 50 |

**LIVESTOCK**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Type** | **Breed** | **Quantity** | |
| **(Nos)** | **Unit** |
| POULTRY | Chicks | Pratapdhan | 8,000 | 400 |
| FISHERIES | Spawn | IMC | 2 Crore |  |

**Literature to be Developed/Published**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Topic** | **Number** |
| 1 | Research paper | 2 |
| 2 | Training manual | 2 |
| 3 | Popular article | 4 |
| 4 | Extension literature | 4 |
| **Total** | | **12** |

**Details of Electronic Media to be Produced**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Type of media (CD / VCD / DVD / Audio-Cassette)** | **Title of the programme** | **Number** |
| 1 | 2 DVDs | On ARYA Entrepreneurship | 2 |

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

**4** success stories will be prepared during the year 2017-18

**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.

**Rural Youth**

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

**For FLD :**

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

**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 | 500 | 450 | 15-20 | 5000 |
| Total | 500 | 450 |  | 500 |

**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 | GVT | 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 |

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** |
| 1 | Training of progressive farmers | Resource person |
| 2 | Orchard establishment | Planting material |
| 3 | MIS | Resource person |

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

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Programme** | **Nature of linkage** |
| **1** | **Trainings** | **Resource person** |

**5.0 Utilization of hostel facilities**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Programme** | **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 lac | FLD | Adopted villages | - |
| NAIP | Central | 57.60 lac | Demonstration, trainings and subsidized high value input distribution | NAIP 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. |

## Annexure - I

## Training Programme

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Clientele** | **Title of the training programme** | **Duration in days** | **Number of participants** | | | **Number of SC/ST** | | | **G. Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| **Crop Production** | | | | | | | | | | |
| 5-8.9.17 | PF/FW | Integrated weed management in cotton, soybean and maize | 4 | 4 | 2 | 6 | 20 | 4 | 24 | 30 |
| 3-6.10.17 | PF/FW | Bio Intensive integrated pest management in rabi maize, gram and wheat | 4 | 2 | 3 | 5 | 20 | 5 | 25 | 30 |
| 9-12.10.17 | PF/FW | Crop diversification for sustainable crop production | 4 | 4 | 2 | 6 | 20 | 4 | 24 | 30 |
| **Horticulture** | | | | | | | | | | |
| 13-16.6.17 | PF/FW | Production technology for enhanced productivity through improved fruit quality for export of mango | 4 | 4 | 2 | 6 | 20 | 4 | 24 | 30 |
| 11-14.7.17 | PF/FW | Protected cultivation of vegetables | 4 | 8 | 2 | 10 | 16 | 4 | 20 | 30 |
| 13-16.9.17 | PF/FW | Raised bed production technology of vegetables | 4 | 4 | 2 | 6 | 20 | 4 | 24 | 30 |
| 25-28.10.17 | PF/FW | Microirrigation and fertigation in horticultural crops | 4 | 6 | 4 | 10 | 15 | 5 | 20 | 30 |
| **Livestock prod.** | | | | | | | | | | |
| 9-12.5.17 | PF/FW | Poultry production to increase income for backward and socio economic classes | 4 | - | - | - | 25 | 5 | 30 | 30 |
| 14-17.6.17 | PF/FW | Improved goat farming for tribal farmers | 4 | - | - | - | 20 | 10 | 30 | 30 |
| 2-5.8.17 | PF/FW | Poultry production to increase income for backward and socio economic classes | 4 | - | - | - | 25 | 5 | 30 | 30 |
| 10-13.1.18 | PF/FW | Infectious disease of dairy animals and its control measures. | 4 | 10 | - | 10 | 10 | - | 10 | 20 |
| **Home Sc.** | | | | | | | | | | |
| 5-8.6.17 | PF/FW | Mango processing | 4 | - | 5 | 5 | - | 20 | 20 | 25 |
| 12-26.6.17 | PF/FW | Cutting & Tailoring | 10 | - | 10 | 10 | - | 10 | 10 | 20 |
| 11-14.12.17 | PF/FW | Aonla processing | 6 | - | 10 | 10 | - | 10 | 10 | 20 |
| 9-12.1.18 | PF/FW | Soap & Detergent making | 5 | - | 5 | 5 | - | 20 | 20 | 25 |
| **Soil Health** | | | | | | | | | | |
| 21-24.6.17 | PF/FW | Integrated nutrient management for major kharif crops | 4 | 5 | - | 5 | 17 | 8 | 25 | 30 |
| 19-23.9.17 | PF/FW | Production technologies for quality organic manures | 5 | 5 | - | 5 | 15 | 10 | 25 | 30 |
| 18-21.10.17 | PF/FW | Integrated nutrient management for major rab icrops | 4 | 5 | - | 5 | 18 | 7 | 25 | 30 |
| 9-12.1.18 | PF/FW | Soil health management | 4 | 10 | - | 10 | 15 | 5 | 20 | 20 |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Clientele** | | | | **Title of the training programme** | **Duration in days** | **No. of participants** | | | **Number of SC/ST** | | | **G. Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| **Crop Production** | | | | | | | | | | | | | |
| 7.6.17 | PF/FW | Weed management in maize & soybean | | | | 1 | 5 | 2 | 7 | 26 | 7 | 33 | 40 |
| 18.8.17 | PF/FW | Bio intensive pest management in soybean | | | | 1 | 6 | 2 | 8 | 27 | 6 | 32 | 40 |
| 18.9.17 | PF/FW | Conservation agriculture viz SRI & DSR | | | | 1 | 3 | 2 | 5 | 20 | 15 | 35 | 40 |
| 23.10.17 | PF/FW | Production of linseed | | | | 1 | 4 | 6 | 10 | 20 | 10 | 30 | 40 |
| 13.11.17 | PF/FW | Production of sweet corn | | | | 1 | 3 | 2 | 5 | 30 | 5 | 35 | 40 |
| 15.11.17 | PF/FW | Bio intensive pest management in gram | | | | 1 | 6 | 2 | 8 | 27 | 6 | 32 | 40 |
| 21.11.17 | PF/FW | Irrigation scheduling in rabi crops | | | | 1 | 6 | 4 | 10 | 25 | 5 | 30 | 40 |
| 22.11.17 | PF/FW | Weed management in wheat | | | | 1 | 2 | 3 | 5 | 25 | 10 | 35 | 40 |
| **Horticulture** | | | | | | | | | | | | | |
| 10.5.17 | PF/FW | Training and pruning of fruit crops | | | | 1 | 6 | 4 | 10 | 20 | 10 | 30 | 40 |
| 16.5.17 | PF/FW | Micro- irrigation in horticultural crops | | | | 1 | 4 | 2 | 6 | 16 | 18 | 34 | 40 |
| 18.7.17 | PF/FW | Cultivation techniques of minor fruits | | | | 1 | 4 | 2 | 6 | 16 | 18 | 34 | 40 |
| 21.7.17 | PF/FW | Importance of micro nutrients in fruit crops | | | | 1 | 4 | 2 | 6 | 16 | 18 | 34 | 40 |
| 22.8.17 | PF/FW | Regulation of bearing in mango | | | | 1 | 6 | 4 | 10 | 15 | 15 | 30 | 40 |
| 23.8.17 | PF/FW | Mulching in vegetables | | | | 1 | 4 | 6 | 10 | 15 | 15 | 30 | 40 |
| 22.9.17 | PF/FW | Cultivation techniques of seed spices | | | | 1 | 4 | 6 | 10 | 15 | 15 | 30 | 40 |
| 25.11.17 | PF/FW | Cultivation of vegetables under low tunnels | | | | 1 | 3 | 3 | 6 | 30 | 4 | 34 | 40 |
| 28.11.17 | PF/FW | Integrated pest management in winter vegetables | | | | 1 | 5 | 5 | 10 | 15 | 15 | 30 | 40 |
| 7.2.18 | PF/FW | Guava plantation under high and ultra high density | | | | 1 | 4 | 2 | 6 | 20 | 14 | 34 | 40 |
| **Live Stock Production**. | | | | | | | | | | | | | |
| 17.5.17 | PF/FW | | care of management of pregnant cattle & buffalo | | | 1 | 10 | - | 10 | 20 | - | 20 | 30 |
| 9.6.17 | PF/FW | | Vaccination schedules in dairy animals | | | 1 | - | - | - | 30 | 10 | 40 | 40 |
| 12.7.17 | PF/FW | | Balance feeding of dairy animals for increasing milk production | | | 1 | - | - | - | 30 | 10 | 40 | 40 |
| 17.8.17 | PF/FW | | Management of backyard poultry birds | | | 1 | 10 | 10 | 20 | 15 | 5 | 20 | 40 |
| 4.9.17 | PF/FW | | Azolla production and feeding technology | | | 1 | 5 | 5 | 10 | 15 | 5 | 20 | 30 |
| 7.10.17 | PF/FW | | Clean milk production | | | 1 | 10 | 10 | 20 | 5 | 10 | 15 | 35 |
| **Home Sc.** | | | | | | | | | | | | | |
| 25.4.17 | PF/FW | | | Safe grain storage | | 1 | 10 | 10 | 20 | 15 | 25 | 40 | 60 |
| 7.7.17 | PF/FW | | | Layout- of kitchen garden | | 1 | 5 | 5 | 10 | 10 | 20 | 30 | 40 |
| 11.7.17 | PF/FW | | | Layout- of kitchen garden | | 1 | 5 | 5 | 10 | 10 | 20 | 30 | 40 |
| 15.12.17 | PF/FW | | | Soybean processing | | 1 | 5 | 5 | 10 | 10 | 20 | 30 | 40 |
| 12.2.18 | PF/FW | | | Herbal Gulal | | 1 | 5 | 5 | 10 | 10 | 20 | 30 | 40 |
| **Soil health** | | | | | | | | | | | | | |
| 25.4.17 | PF/FW | | | Method of soil sampling | | 1 | 10 | 5 | 15 | 20 | 15 | 35 | 50 |
| 12.5.17 | PF/FW | | | Importance and use of organic manures | | 1 | 10 | 5 | 15 | 25 | 10 | 35 | 50 |
| 12.6.17 | PF/FW | | | Method of soil samplings | | 1 | 10 | 5 | 15 | 25 | 10 | 35 | 50 |
| 13.6.17 | PF/FW | | | Importance and use of bio fertilizers | | 1 | 10 | 5 | 15 | 25 | 10 | 35 | 50 |
| 3.10.17 | PF/FW | | | Balance use of fertilizers | | 1 | 10 | 5 | 15 | 25 | 10 | 35 | 50 |
| 24.10.17 | PF/FW | | | Importance and use of water soluble and liquid fertilizers | | 1 | 10 | 5 | 15 | 25 | 10 | 35 | 50 |
| 2.11.17 | PF/FW | | | Importance and use of micro nutrients | | 1 | 10 | 5 | 15 | 25 | 10 | 35 | 50 |
| 15.12.17 | PF/FW | | | Vermicomposting | | 1 | 10 | 5 | 15 | 25 | 10 | 35 | 50 |
| 5.1.18 | PF/FW | | | Organic farming | | 1 | 10 | 5 | 15 | 25 | 10 | 35 | 50 |
| 22.3.18 | PF/FW | | | Importance and use of gypsum | | 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)** | **No. of Participants** | | | **SC/ST participants** | | | **G.Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| Cutting & Tailoring | Ladies Tailor | Ladies Tailor | June | 15 | - | - | - | - | 25 | - | 25 |

**iii) Training programme for extension functionaries**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Clientele** | **Title of the training programme** | **Duration in days** | **No. of participants** | | | **Number of SC/ST** | | | **G. Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| **On Campus** | | | | | | | | | | |
| 4-5.9.17 | Agriculture Supervisor, AAO, NGO representatives | Integrated pest management | 2 days | 10 | 2 | 12 | 18 | 2 | 20 | 30 |
| 5-6.12.17 | Agriculture Supervisor, AAO, NGO representatives | Organic Farming | 2 days | 20 | - | 20 | 8 | 2 | 10 | 30 |
| 15-16.1.18 | Agriculture Supervisor, AAO, NGO representatives | Care & maintenance farm machinery & implements | 2 days | 10 | 2 | 12 | 18 | 2 | 20 | 30 |

**iv) Sponsored programme**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Sponsoring agency** | **Clientele** | **Title of the training programme** | **No. of course** | **No. of participants** | | | **Number of SC/ST** | | | **G. Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| 1. **Sponsored training programme** | | | | | | | | | | | |
| 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** |

**Action Plan for ARYA Project during 2017-18:**

The activities under ARYA Project will be taken as per sanction and availability of the budget for the same.

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