**ANNUAL ACTION PLAN**

 **KVK, BANSWARA (ZONE VI)**

**YEAR 2016-17**

**Contents**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Particular** | **Page No** |
|  | Summary of Action Plan during 1st April 2016 to 31st March 2017 |  |
| 1 | General Information | 7-9 |
| 2 | On Farm Testing | 13-17 |
| 3 | Frontline Demonstrations | 17-22 |
| 4 | Feedback System | 22 |
| 5 | Training programmes | 23-34 |
| 6 | Extension Activities | 34-37 |
| 7 | Production and supply of Technological products | 38-40 |
| 8 | Activities of Soil and Water Testing Laboratory | 40 |
| 9 | Rainwater Harvesting System | 41 |
| 10 | Kisan Mobile Advisory | 41 |
| 11 | Details of SAC Meeting | 41 |
| 12 | Literature to be Developed/Published | 41 |
| 13 | Convergence with Agricultural Schemes | 42 |
| 14 | Utilization of Farmer Hostel  | 43 |
| 15 | Utilization of Staff Quarter  | 43 |
| 16 | Details of KVK Agro-technological Park | 43-44 |
| 17 | Farm Innovators | 44 |
| 18 | KVK Progressive farmer interaction | 44 |
| 19 | Outreach of KVK | 45 |
| 20 | Technology Demonstrations under TDHPP/Tribal Sub Plan/QPM | 45 |
| 21 | KVK Ring | 45-46 |
| 22 | Important visitors to KVK | 46 |
| 23 | Status of KVK Website | 46 |
| 24 |  Status of RTI  | 46 |
| 25 |  E-Connectivity (E- Linkage Lab) | 47 |
| 26 |  Details of Technology Week Celebrations | 47 |
| 27 | Interventions on Drought Mitigation  | 48-50 |
| 28 | Activities Under NICRA | 50 |
| 29 | Activities under NAIP | 52 |
| 30 | Status of Revolving Funds  | 52 |
| 31 |  Awards & Recognitions | 52 |
| 32 | Case study / Success Story | 52 |
| 33 | Well labeled photographs of various activities in JPEG format |  |

**PERIOD – April 2016 to March, 2017**

**Summary of the activities**

| **KVK Name** | **Activity** | **Target** | **Achievement** |  |
| --- | --- | --- | --- | --- |
| **Number of activity** | **No. of farmers/ beneficiaries** | **Number of activity** | **No. of farmers/ beneficiaries** |  **Total value of resource generated/Fund received from diff. sources (Rs.)** |
|  **KVK Banswara**  | OFTs | **11** | **70** |  |  |  |
|  | FLDs – Oilseeds (activity in ha) | **22 ha** | **60** |  |  |  |
|  | FLDs – Pulses (activity in ha) | **62 ha**  | **155** |  |  |  |
|  | FLDs – Cotton (activity in ha) | **-** | **-** |  |  |  |
|  | FLDs – Other than Oilseed and pulse crops (activity in ha) | **35 ha**  | **95** |  |  |  |
|  | FLDs – Other than Crops **Veg**  | **Veg-11. ha** **Green fodder 2 ha** **Goat rearing -6** **Poultry -20 unit****Fisheries-5ha****Vermin compost 10 unit** **Nutrigarden 500 nos**  | **55****10****6****20****5** **10****500** |  |  |  |
|  | Training-Farmers and farm women | **82** | **3145** |  |  |  |
|  | Training-Rural youths  | **7** | **135** |  |  |  |
|  | Training- Extension functionaries  | **2** | **60** |  |  |  |
|  | Extension Activities | **2055** | **39108** |  |  |  |
|  | Seed Production (Number of activity as seeds in quintal) | **127 qtl** | **435** |  |  |  |
|  | Planting material ((Number of activity as quantity of planting material in quintal) | **31500**  | **-** |  |  |  |
|  | Seedling Production (Number of activity as number of seedlings in numbers) | **-** | **-** |  |  |  |
|  | Sapling Production (Number of activity as number of sapling in numbers) | **31500** | **-** |  |  |  |
|  | Other Bio- products (No. of quantity) | **9.1 qtl** | **-** |  |  |  |
|  | Live stock products poultry  | **10200** | **-** |  |  |  |
|  | Activities of Soil and Water Testing Laboratory | **505** | **455** |  |  |  |
|  | Rainwater Harvesting System | **-** |  |  |  |  |
|  | Kisan Mobile Advisory (KVK-KMA) | **24** | **22700** |  |  |  |
|  | SAC Meeting (Date & no. of core/ official members) | **03.03.15** | **24** |  |  |  |
|  | Literature to be Developed/Published | **7** | **3000** |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Convergence programmes / Sponsored programmes | **3** |  |  |  |  |
|  | Utilization of Farmers Hostel | **50** | **500** |  |  |  |
|  | Utilization of Staff Quarters  | **3** |  |  |  |  |
|  | Details of KVK Agro-technological Park | **-** | **-** |  |  |  |
|  | Crop Cafeteria- | **3** | **2000** |  |  |  |
|  | Farm Innovators- list of 10 farm innovators from the District | **10** | **-** |  |  |  |
|  | Status of Revolving Funds | **1343849.41** |  |  |  |  |
|  | Awards and Recognitions | **-** | **-** |  |  |  |
|  | Case study / Success Story to be developed | **6** | **6** |  |  |  |
|  | KVK Progressive Farmers interaction | **12** | **240** |  |  |  |
|  | Outreach of KVK in the District (No. of blocks, no. of villages) | **8/50** | **7000** |  |  |  |
|  | Technology Demonstration under Tribal Sub Plan | **-** | **-** |  |  |  |
|  | KVK Ring | **18** | **-** |  |  |  |
|  | Important visitors to KVK | **9** | **-** |  |  |  |
|  | Status of KVK Website | **-** | **-** |  |  |  |
|  | Status of RTI  | **-** | **-** |  |  |  |
|  | E-connectivity | **-** | **-** |  |  |  |
|  | Details of Technology Week Celebrations | **11** | **500** |  |  |  |
|  | Interventions on Drought Mitigation  | **10 ha**  | **50** |  |  |  |
|  | Proposal of NAIP | **-** | **935** |  |  |  |
|  | Proposal of NICRA | **-** | **-** |  |  |  |
|  | Well labeled photographs | **-** | **-** |  |  |  |
|  | Other Activities  | **-** | **-** |  |  |  |

**1. GENERAL INFORMATION**

**1.1. Staff Position (as on date 30.11.2014)**

| **Name of KVK.** | **Sanctioned post** |  **Name of the**  **incumbent** |  **Discipline** | **Highest degree** | **Subject of** **Specialization** | **Pay Scale (Rs.)** | **Present basic (Rs.)** | **Date of joining** | **Permanent****/Temporary** | **Category (SC/ST/****OBC/****Others)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **KVK Banswara** | Programme Coordinator  | Dr. R.L. Soni | Agriculture Extension | Ph.D | Extension Education | 37400-67000 | 53820 | 18-9-2007 | Temporary | OBC |
|  | Subject Matter Specialist1  | Dr. M. L. Ojha | Fisheries | Ph.D | Fisheries | 15600-39100 | 28220 | 23-6-2005 | Temporary | GEN |
|  | Subject Matter Specialist2  | Dr. Ranjeet Singh | Soil Science | Ph.D | Soil Science | 15600-39100 | 28830 | 6-7-2006 | Temporary | OBC |
|  | Subject Matter Specialist3  | Dr. H.L.Bugalia | Animal Science | Ph.D | Animal Science | 15600-39100 | 22250 | 31.12.2011 | Temporary | OBC |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Subject Matter Specialist4  | Dr. Ramawtar | Agronomy | Ph.D | Agronomy | 15600-39100 | 21260 | 14.9.2011 | Temporary | GEN |
|  | Subject Matter Specialist5  | Dr. B.S.Bhati | Horticulture | Ph.D | Horticulture | 15600-39100 | 18200 | 25.6.2013 | Temporary | GEN |
|  | Subject Matter Specialist6 | Vacant  | Home Science |  |  |  | -- |  |  |  |
|  | Programme Assistant | Dr. G.L. Kothari | Agriculture Extension | Ph.D | Extension Education | 15600-39100 | 31850 | 20-2-1990 | Temporary | GEN |
|  | Farm Manager | Sh. B. K. Panchal | Agriculture | B.Sc |  | 15600-39100 | 32810 | 17-5-1983 | Temporary | OBC |
|  | Computer Programmer  | Mrs. Rashmi Dave | Home Science | M.Sc | HECM | 9300-34800 | 20770 | 13-8-2003 | Temporary | GEN |
|  | Accountant / superintendent | Vacant | - |  |  | - | -- | - | Temporary | - |
|  | Stenographer | Sh. Devilal Kumhar | - | 11th | Arts | 5200-20200 | 15310 | 24.2.1980 | Temporary | OBC |
|  | Driver  | Vacant | - | - |  |  |  |  | Temporary |  |
|  | Driver | Sh. Vithla | - | - |  | 9300-34800 | 21520 | 22-12-1978 | Temporary | SC |
|  | Supporting staff | Sh. Goverdhan Lal | - | - |  | 5200-20200 | 11600 | 18-10-1979 | Temporary | OBC |
|  | Supporting staff | Sh. Hemraj | - | - |  | 5200-20200 | 10210 | 3-1-1989 | Temporary | OBC |

**1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–**

1. **General census**

|  |  |
| --- | --- |
| Population - | Male Female Total719581 701020 1420601 |
| Population density | 201 / km2 |
| Literacy % | 57.20 |
| Total animal & Back yard poultry | 1903390 nos |

1. **Agricultural and allied census**

|  |  |
| --- | --- |
| Geographical area | 453612 ha |
| Forest | 91200 ha |
| Uncultivated land | 62977 ha |
| Permanent pasture  | 120 ha |
| Net cultivated area | 224605 ha |
| Cropping intensity | 142% |
| Irrigated area | 107350 ha |

1. **Agro-climatic zones : IVB Southern Humid Plain Zone**
2. **Agro-ecosystems**

|  |  |  |  |
| --- | --- | --- | --- |
| S.N. | Name of the Agro-climatezone 9 (ACZ) | Name of the agro-ecological situation (AES) | Blocks covered |
| 1 | ACZ-IV B | AES I Sandy loam soil medium rainfall, medium elevation | 1.Bagidora, 2Anandpuri,3. Garhi 4. Arthuna 5. Gangad Talai |
| 2 | ACZ-IV B | AES II Medium black soil, high rainfall, medium elevation | 1. Ghatol 2. Talwara, 3. Choti sarvan |
| 3 | ACZ-IV B | AES III Medium black soil, high rainfall, high elevation | 1.Kushalgarh 2.Sajjangarh |

 **5. Major and micro farming systems**

**6. Major production systems like rice based (rice-rice, rice-green gram, etc.) cotton based, etc.**

1. Maize based - I Maize- Wheat

 II Maize- Wheat- Greengram

 III Maize – Maize

 B. Soybean based I Soybean – Wheat- Greengram

 II Soybean- Gram

 III Soybean - Maize

C. Cotton based I Cotton- Wheat- Greengram

 II Cotton- Greengram

**7. Major agriculture and allied enterprises:**

1. Two to three small Dal and flour mills.

2. Rajasthan cooperative dairy federation.

**Agro-ecosystem Analysis of the focus/target area**

 **Include**

1. **Names of villages, focus area, target area etc. –** Kuwania, amarthoon, Badhiya, Chekla, Nagwala, Madanpura
2. **Survey methods used (survey by questionnaire, PRA, RRA, etc.) -** PRA
3. **Various techniques used and brief documentation of process involved in applying the techniques used like release transect, resource map etc. –PRA techniques**
4. **Analysis and conclusions:** low literacy rate , poor socio economic status and traditional farming
5. **List of location specific problems and brief description of frequency and extent/ intensity/ severity of each problem-**
6. Low productivity of wheat and gram
7. High seed rate specially in wheat
8. Zinc deficiency in soil for maize and rice
9. Negligible area under fruits and vegetables
10. Seed replacement rate is very low
11. Low productivity of goat, cattle and buffalo
12. Under feeding to cattle and buffalo
13. Imbalance use of fertilizers
14. Mismanagement of cow dung
15. Heavy infestation of insect and pest in soybean
16. Improper water management
17. **Matrix ranking**
18. Cultivation practices of *Kharif, Rabi* and Summer crops, like maize, cotton, wheat, gram, pigeon pea, greengram etc.
19. Cultivation practices of vegetable crops like cole crops, onion, garlic, tomato, chilli, cucurbits etc.
20. Efficient use of watershed and available resources
21. Management of salt affected soils
22. Management of goat.
23. How to rear backyard poultry
24. Drudgery reduction practices in agriculture
25. Fruit preservation practices
26. Methods of mango plantation in orchard
27. Seed production techniques of various crops and vegetable
28. How to get green fodder round the year

**1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2014 to 31.3.2015 (Approved by competent Authority in meetings/workshops)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **KVK Name** | **Village Name** | **Year of adoption** | **Block Name** | **Distance from KVK** | **Population** | **Number of farmers (having land in the village)** |
| KVK, Banswara | Kuwania | 2014 | Ghatol | 35 Km | 4335 | 735 |
|  | Amarthoon | 2014 | Ghatol | 40 Km | 1228 | 156 |
|  | Badhiya | 2014 | Ghatol | 40 Km | 705 | 112 |
|  | Chekla | 2014 | Ghatol | 45 Km | 865 | 144 |
|  | Nagwala | 2014 | Ghatol | 50 Km | 1186 | 130 |
|  | Madanpura | 2014 | Ghatol | 42 Km | 514 | 60 |

**1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)**

|  |  |
| --- | --- |
|  | **THRUST AREA**  |
| **KVK, Banswara** | 1. Enhancing productivity of maize,rice and soybean in *kharif* season and wheat and gram in *rab*i season
 |
|  | 1. Diversification of existing cropping systems by promoting cultivation of mango (mallika, kesar, dasheri) and guava (L-49) and vegetables
 |
|  | 1. Increasing productivity of cow, buffalo, goat and poultry through improved breeding, better feeding and management
 |
|  | 1. Promoting fish farming in farm ponds and community reservoir
 |
|  | 1. Imparting vocational training to tribal youth for generating self-employment on nursery raising, dairy management, fish farming, agro processing of soybean and mango.
 |
|  | 1. Seed production of wheat, gram and maize
 |
|  | 7. Empowerment of women through different kind of enterprises like processing, value addition, tailoring, SHG, etc |

**1.5. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)**

|  |  |  |  |
| --- | --- | --- | --- |
| **KVK Name** | **Problem identified**  | **Methods of problem identification** | **Location Name of Village & Block** |
| **KVK Banswara** | Low productivity in cereals, pulses and oilseeds  | PRA and Survey | Kuwania, amarthoon, Badhiya, Chekla, Nagwala, Madanpura (Ghatol) |
|  | Use of old variety seeds  | PRA and Survey | Vajwana Tanda, Sageta, Jhalo ka gada, Masotiya, Devliya (Talwara) |
|  | Improper water management  | PRA and Survey | Sundni, Janthoda, Bhudanpura, Daiyna, Sagawadia, Vajakhera (Garhi) |
|  | Imbalance use of fertilizer | PRA and Survey | Sangrampura, Gradia, Kataria, Kanthal, Sogpura, Chodatalai, Dalpura & Khokharwa (Bagidora) |
|  | Rearing of local poultry birds and goats  | PRA and Survey | Vajwana Tanda, Sageta, Jhalo ka gada, Masotiya, Devliya (Talwara) |
|  | Poor feeding management in animals  | PRA and Survey | Sundni, Janthoda, Bhudanpura, Daiyna, Sagawadia, Vajakhera (Garhi) |

**2. On Farm Testing**

**2.1 Information about OFT to be conducted**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **KVK name** | Year/season | **Problem diagnose** | Category of technology (**Assessment/ Refinement**) | Thematic Area | Crop/ enterprise | Farming Situations | Target | No. of trials | Title of OFT | Results (with parameter) | Net Returns (Rs./ha) |
| Farmer practice T1 | Refined Rec. TechT2 | T1 | T2 |
| **KVK, Banswara** | 2015-16(Rabi) | Imbalance fertilizer use and no use of Zinc and Boron & fruit cracking | Refinement | INM | Tomato Variety- Dev | Irrigated | 01 | 05 | Balance nutrient management in tomato | 120:80:0 kg N,P2 O5,K2O /ha | 120:80:80 kg N,P2 O5,K2O /ha +foliar spray of Zn and B@100 ppm at 30 DAT |  |  |
|  | 2015-16(Zaid) | Shedding of flowers fruits andno use of growth regulators | Assessment | HOV | Chilli Variety- Ujala | Irrigated | 01 | 05 | Effect of auxin on growth and yield of chilli |  No use of growth regulator |  foliar spray of NAA @ 20 ppm at 35 and 50 DAT |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2015(Karif) | No or negligible use of zinc in maize cultivation | Refinement  | INM | Maize | Irrigated | 01 | 10 | Zinc nutrition in maize  |  110:60:0 kg N, P2O5 and K2O/ha | 120:40:15 kg N, P2O5  and K2O+zinc sulphate @ 25 kg/ha  |  |  |
|  | 2015-16(Zaid) | low use of organic manures and imbalance use of fertilizersin hybrid chilli cultivation  | Refinement | Balance nutrient management  | Chilli | Irrigated | 01 | 05 | Balance nutrient management in hybrid chilli  |  110:40:0 kg N, P2O5 and K2O/ha and use of un fixed amount of FYM  | 200:100:100 kg N, P2O5 and K2O with 15 ton FYM/ha  |  |  |
|  | 2015-16 | (Low body weight and egg production backyard popultry  | Assessment | LPM | Poultry | Backyard | 1 | 10 | Proper selection of poultry breed  | desi breed rearing under backyard poultry | Introduction of Pratapdhan breed(BroilerX NativeX RIR)  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2015-16 | Low growth rate of growing goat kids due to imbalance feeding  | Assessment | LPM | Goat | Grazing system | 1 | 10 | Increase in growth of growing goats through supplement concentrate and mineral mixture feeding  |  only grazing | Grazing+150gm concentrate mixture feeding/day/animal |  |  |
|  | 2015-16 | Stoking of fish ponds with small sized fish seed(spawn and fry) | Assessment | FIS | Fisheries |  | 1 | 5 | Assessment of fish production by stocking fingerlings instead of spawn and fry |  Stocking of fish ponds with spawn and fry | Stocking of fish ponds with fingerlings |  |  |
|  | 2015-16 | No fish stocking in seasonal village ponds  | Assessment | FIS | Fisheries |  | 1 | 5 | Assessments of common carp culture in seasonal ponds  |  No fish stocking in seasonal village ponds |  Stocking of common carps fingerlings in seasonal village ponds |  |  |

**2.1a Recommendations of OFTs**

|  |
| --- |
| **Recommendations** |
| **Title of OFT** | **For Farmers** | **For Deptt. Personnel** |
|  |  |  |

* 1. **Economic Performance**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **KVK name** | OFT Title |  | **Average Cost of cultivation (Rs/ha)** | **Average Gross Return (Rs/ha)** | **Average Net Return (Rs/ha)** | **Benefit-Cost Ratio (Gross Return / Gross Cost)** |
|  |  |  | **FP (T1)** | **RP (T2)** |  | **FP (T1)** | **RP (T2)** |  | **FP (T1)** | **RP(T2)** |  | **FP (T1)** | **RP (T2)** |  |
| **KVK Banswara** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**3. Frontline Demonstrations**

**3.1. Follow-up for results of FLDs implemented during previous years (up to 2014-15)**

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **KVK Name** | **Crop/****Enterprise** | **Thematic Area** | **Technology demonstrated** | **Details of popularization methods suggested to the Extension system** | **Horizontal spread of technology** |
| No. of villages | No. of farmers  | Area in ha |
| **KVK Banswara** | Soybean  | ICM | Seed replacement | Training, demonstration, field visit and field days. | 10 | 600 | 400 |
|  | Blackgram | ICM | Seed replacement | Training, demonstration, field visit and field days. | 10 | 600 | 200 |
|  | Rice | RCT | Seed replacement | Training, demonstration, field visit and field days. | 5 | 100 | 25 |
|  | Maize  | ICM | Seed replacement | Training, demonstration, field visit and field days. | 10 | 500 | 250 |
|  | Rabi Maize | ICM | Seed replacement | Training, demonstration, field visit and field days. | 10 | 500 | 300 |
|  | Onion | HOV | Seed replacement | Training, demonstration, field visit and field days. | 10 | 100 | 20 |
|  | Okra  | HOV | Seed replacement | Training, demonstration, field visit and field days. | 25 | 400 | 80 |
|  | Chilli  | HOV | Seed replacement | Training, demonstration, field visit and field days. | 30 | 500 | 100 |
|  | Tomato  | HOV | Seed replacement | Training, demonstration, field visit and field days. | 30 | 400 | 80 |
|  | Brinjal | HOV | Seed replacement | Training, demonstration, field visit and field days. | 12 | 120 | 25 |
|  | Long melon | HOV | Seed replacement | Training, demonstration, field visit and field days. | 10 | 100 | 20 |

* 1. **Details of FLDs to be implemented during 2015-16**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **KVK Name** | **Thematic area** | **Name of Crop** | **Season** **and year** | **Technology demonstrated** | **Crop- Area (ha) / No.** | **Name of Variety****Entreprizes** | **Results (q/ha)** | **% change** | **No. of farmers** |
| **Demo** | **Check** | **SC** | **ST** | **OBC** | **Others** | **Total** |
| **KVK Banswara** | ICM | Soybean | Kharif, 2015 | Seed replacement | 20 ha | JS-95-60,RKS-24, JS97-52,JS-335  | - | - | - |  | 45 |  | 5 | 50 |
|  | ICM | Blackgram | Kharif, 2015 | Seed replacement | 10 ha | PU-31 | - | - | - |  | 45 |  | 5 | 50 |
|  | ICM | Maize | Kharif, 2015 | Seed replacement | 10 ha | Pratap QPM H-1 /DKC-7074/new notified variety | - | - | - |  | 22 |  | 3 | 25 |
|  | ICM | Gram | Rabi, 2015-16 | Seed replacement | 20 ha | PC-1/ GNG-1488/ RVG 202/JG-11 | - | - | - |  | 45 |  | 5 | 50 |
|  | ICM | Rabi Maize | Rabi, 2015-16 | Seed replacement | 10 ha | Bio-9682/ Pratap QPMH-1 | - | - | - |  | 22 |  | 3 | 25 |
|  | ICM | Wheat | Rabi, 2015-16 | Seed replacement | 10 ha | Raj 4120/Raj 4079 | - | - | - |  | 22 |  | 3 | 25 |
|  | ICM | Summer greengram | Zaid, 2016 | Seed replacement | 20 ha | IPM02-3/ SML 668 | - | - | - |  | 45 |  | 5 | 50 |
|  | HOV | Tomato | Rabi, 2015-16 | Seed replacement | 2 ha | Dev | - | - | - |  | 9 |  | 1 | 10 |
|  | HOV | Brinjal | Rabi, 2015-16 | Seed replacement | 2 ha | Chhaya | - | - | - |  | 10 |  |  | 10 |
|  | HOV | Onion | Rabi, 2015-16 | Seed replacement | 2 ha | AFLR / Juni | - | - | - |  | 10 |  |  | 10 |
|  | HOV | Chilli | Zaid, 2016 | Seed replacement | 2 ha | Ujala | - | - | - | 1 | 8 |  | 1 | 10 |
|  | HOV | Okra | Zaid, 2016 | Seed replacement | 2 ha | Sonal | - | - | - | 1 | 8 |  | 1 | 10 |
|  | HOV | Long melon | Zaid, 2016 | Seed replacement | 2 ha | Chandra | - | - | - | 1 | 8 |  | 1 | 10 |
|  | Feeding management | Green fodder | 2015-16 | Feeding management | 2 ha | Bundel Barseem-3 | - | - | - | - | 6 | 4 | - | 10 |
|  | Feeding management | Mineral mixture | 2015-16 | Feeding management | 20 nos | Mineral mixture | - | - | - | - | 12 | 8 | - | 20 |
|  | Breed improvement | Goat rearing | 2015-16 | Sirohi bucks | 6 nos. | Sirohi bucks | - | - | - | - | 6 | -- | -- | 6 |
|  | Poultry management | Poultry | 2015-16 | Pratapdhan | 20 units | Pratapdhan | - | - | - |  | 20 | -- | -- | 20 |
|  | FIS | Fisheries | 2015-16 | Stocking of fish pond with fingerlings | 5ha/5 farmers | IMC | - | - | - | - | 5 |  | - | 5 |
|  | SFM | Vermicompost | 2015-16 | Organic farming | 10 units | Isenia foitida | - | - | - | - | 2 | 8 | -- | 10 |
|  | WOE | Nutri-Garden | 2015-16 | Nutri-Garden | 500 nos | Seed of vegetables | - | - | - | 100 | 300 | 50 | 50 | 500 |

**3.3 Economic Impact of FLD**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **KVK Name** | **Name of Crop/ Enterprise** | **Technology demonstrated** | **Parameters**  | **Cost of cultivation (Rs/ha)** | **Gross Return (Rs/ha)** | **Average Net Return (Rs/ha)** | **Benefit-Cost Ratio (Gross Return / Gross Cost)** |
| **Name and unit of Parameter**  | **Demo** | **Check** | **Demo**  | **Check**  | **Demo**  | **Check**  | **Demo**  | **Check**  | **Demo**  | **Local Check**  |
| **KVK Banswara** |  |  |  |  |  |  |  |  |  |  |  |  |  |

**3.4 Training and Extension activities proposed under FLD**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **KVK Name** | **Crop** | **Activity** | **No. of activities organized** | **Number of participants** | **Remarks** |
| **KVK Banswara** | Soybean, blackgram, rice, maize, gram, wheat, greengram, linseed, sweetcorn, tomato, brinjal, onion, chilli, okra, longmelon goat, poultry and fish | Field days | 12 | 910 |  |
| Farmers Training | 4 | 120 |  |
| Media coverage | 12 | -- |  |
| Training for extension functionaries | 2 | 40 |  |

**3.5 Details of FLD on crop hybrids**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sr.No.** | **Name of the KVK** | **Name of the Crop** | **Name of the Hybrids** | **Source of Hybrid (Institute/Firm)** | **No. of farmers** | **Area in ha.** |
|  | KVK, Banswara  |  |  |  |  |  |
| **1** |  | Maize  | Bio9682 | Shriram seeds | 25 | 10 |
| **2** |  | Maize | Pratap QPM-1 | MPUAT Udaipur | 25 | 10 |
| **3** |  | Onion  | AFLR,Juni | Ambar seeds  | 10 | 2 |
| **4** |  | Tomato | Dev | Nunhems | 10 | 2 |
| **5** |  | Brinjal | Chhaya | Nunhems | 10 | 2 |
| **6** |  | Okra | Sonal | Nunhems | 10 | 2 |
| **7** |  | Chilli | Ujala | Nunhems | 10 | 2 |
| **8** |  | Long melon | Chandra  | Chandra agro seeds  | 10 | 2 |

**4. Feedback System**

**4.1. Feedback of the Farmers to KVK**

|  |  |
| --- | --- |
| **Name of KVK** | **Feedback** |
| **Technology appropriations** | **Methodology used** | **Benefits of OFT/FLD** | **Future Adoption** |
| **KVK Banswara** |  |  |  |  |

**4.2. Feedback from KVK to Research System.**

|  |  |
| --- | --- |
| **Name of KVK** | **Feedback basic of OFT on Technology Tested** |
| **KVK Banswara** |  |

**5. TRAINING PROGRAMMES**

**Table 5.1:Documentation of the need assessment conducted by the KVK for the training programme**

| Name of KVK | Category of the training | Methods of need assessment | Date and place | No. Of participants to be involved |
| --- | --- | --- | --- | --- |
| **KVK Banswara** | FW | PRA | Selected from adopted villages | 2585 |
| RY | Survey | Whole district | 55 |
| IS | On demand of situation | Office meetings | 80 |

**Table 5.2.** Details of Training programmes to be conducted by the KVKs.

| Name of KVK | Cate-gory | Training Type | Thematic area | Training Title | No. ofCourses | Duration (Days) | Target for No. of part. | Participants |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| General | SC | ST | Others |
| M | F | M | F | M | F | M | F |
| **1** | **2** | **3** | **4** | **5** | **7** | **8** |  | **9** | **10** | **11** | **12** | **13** | **14** |  |  |
| KVK Banswara | FW | ONC | ICM | (1) Production technology interventions and IPM in summer greengram(2) Integrated weed management in cotton, soybean and maize(3) Technological interventions in rabi maize, gram and wheat at critical stages(4) Integrated weed management in rabi maize, gram and wheat(5) Crop diversification for sustainable crop production(6) Improving water use efficiency in rabi crops  | 6 | 3 | 180 | -- | -- | 5 | 5 | 100 | 30 | 40 | -- |
|  | FW | ONC | IPM | (1)Bio-intensive integrated pest management in rabi maize, gram and wheat(2) IPM in cotton, soybean and maize | 2 | 5 | 60 | -- | -- | -- | -- | 40 | 10 | 10 | -- |
|  | FW | ONC | SFM | (1) Integrated nutrient management for major kharif crops(2)Integrated nutrient management for major rabi crops (3)Reclaimation of problematic soils | 3 | 3 | 120 | 6 | - | 14 | 6 | 70 | 16 | 8 | -- |
| (1)Production technologies for quality organic manures | 1 | 5 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | FW | ONC | HOV | (1)Protected cultivation of vegetables (2) Ridge bed production technology of vegetables | 2 | 3 | 60 | 10 | -- | 6 | 2 | 30 | 6 | 4 | 2 |
|  | FW | ONC | HOF  | (1) Hi-tech interventions in fruit production for enhancing productivity, nutritional quality and value addition (2) Production technology for enhanced productivity through improved fruit quality for export of mango  | 2 | 3 | 60 | 10 | -- | 6 | 2 | 30 | 6 | 4 | 2 |
|  | FW | ONC | OTH | Micro irrigation and fertigation in horticultural crops  | 1 | 3 | 30 | 5 | -- | 3 | 1 | 15 | 3 | 2 | 1 |
|  | FW | ONC | LPM | (1) Poultry production to increase income for backward and socio economic class (2) fodder and unconventional feed resource utilization in dairy production (3) Infectious diseases of dairy animals and its control measures(4) Improved goat farming for tribal farmers. | 4 | 3 | 120 | - | - | 20 | -- | 50 | 20 | 30 | - |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | FW | ONC | LPM | (1) Livestock based integrated farming system for improvement of rural livelihood | 1 | 5 | 20 | - | - | 5 | - | 15 | - | - | - |
|  | FW | ONC | FIS | (1) Construction and preparation of fish ponds (2) Breeding of Indian major carps (3) Breeding of exotic carps (4) Integrated fish farming (5) Harvesting and marketing of fish  | 5 | 3 | 150 | - | - | - | - | 150 | - | - | - |
|  | FW | ONC  | WOE | (1) Gender perspective in integrated farming system (2) Mango processing (3) Drudgery reduction options for farm women in increase their work efficiency & productivity (4) Bag making  | 4 | 3 | 120 | -- | 10 | -- | 80 | -- | -- | -- | 30 |
|  | IS | ONC | SFM | Soil health management  | 1 | 2 | 30 | 18 | - | 2 | - | 4 | - | 6 | - |
|  | IS | ONC | AES | Calibration, repair and maintenance of farm implements | 1 | 2 | 30 | 18 | - | 2 | - | 3 | - | 7 | - |
|  | FW | OFC | HOF  | (1)Layout and management of orchards(2)Importance of micro nutrients in fruits crops (3) Training and pruning of fruit plants | 3 | 1 | 90 | 8 | 4 | 10 | 5 | 40 | 15 | 4 | 4 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | FW | OFC | HOV  | (1) Improved varieties for early cole crops and their production technology(2) Off season production of commercial vegetables (3) Raising of chilli nursery(4) Production technology of cucurbits  | 4 | 1 | 120 | 15 | 5 | 10 | 10 | 55 | 20 | 4 | 1 |
|  | FW | OFC | PLP | (1) Eco friendly approach to pest management for winter vegetables  | 1 | 1 | 30 | 2 | 1 | 4 | 1 | 15 | 5 | 1 | 1 |
|  | FW | OFC | ICM | (1) Impact of climate change in rainfed agriculture for kharif crops (2) Weed management in maize and soybean(3) Weed management in wheat (4) Irrigation scheduling in rabi maize (5) Reduction of post harvest losses in field crops (6) Weed management in summer greengram (7) Hybrid maize seed production technology  | 7 | 1 | 280 | - | - | 30 | 20 | 160 | 60 | - | - |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **KVK Banswara** | FW | OFC | IPM | Bio intensive pest management in soybean  | 1 | 1 | 40 | -- | -- | -- | -- | 25 | 5 | 10 | -- |
|  | FW | OFC | RCT | Conservation agriculture for rice viz., SRI and DSR | 1 | 1 | 40 | -- | -- | -- | -- | 25 | 5 | 10 | -- |
|  | FW | OFC | SFM  | (1) Methods of soil sampling (2) Importance and use .of organic manures (3) Vermicomposting (4) Balance use of fertilizers (5) Importance of micro nutrients in agriculture (6) Nutrient deficiency symptoms in major crops and their correction measures (7) Importance and use of bio fertilizers (8) use of gypsum in agriculture (9) Organic farming (10) Soil heath management  | 10 | 1 | 400 | 25 | 15 | 55 | 25 | 150 | 130 |  |  |
|  | FW | OFC | LPM | (1) feeding management of cattle and buffaloes (2) Care and management of pregnant cattle (3) Care and management of pregnant buffalo(4) Quality and safety of functional dairy foods(5) Vaccination scheduling in dairy animals (6) Control of ecto and endo parasites of cattle and buffaloes(7) Balance feeding of dairy animal for increasing milk production (8) Management of backyard poultry birds (9) Management of breeding bucks ( 10) Exploitation of poultry production by mitigating the farm environment  | 10 | 1 | 400 |  |  | 40 | 10 | 250 | 50 | 50 | -- |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **KVK Banswara** | FW | OFC | FIS |  (1) preparation of fish ponds(2) selection of brood fisher (3) preparation of nursery ponds(4) Management of culture ponds (5) Fish marketing  | 5 | 1 | 125 |  |  |  |  | 125 |  |  |  |
|  | FW | OFC  | WOE | (1) Drudgery reduction technologies (2) Layout of nutri garden (3) Soap and detergent making (4) Safe grain storage  | 4 | 1 | 200 | -- | -- | 10 | 90 | -- | 80 | -- | 20 |

## Table 5.3. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of KVK** | **Training title** | **Crop / Enterprise** | **Identified Thrust Area** | **Duration of training (days)** | **Number of Beneficiaries** |
|  SC |  ST |  Others |
| M | F | M | F | M | F |
| **KVK Banswara** | Production technology on sweet corn, pop corn and baby corn  | Maize  | ICM | 10 | 5 | - | 15 | - | 5 | - |
|  | Nursery management  | Nursery  | HOF | 10 | 1 | - | 7 | - | 2 | - |
|  | Organic farming  | Organic agriculture  | SFM | 5 | 5 | - | 8 | 2 | 5 | - |
|  | Poultry production  | Poultry  | LPM | 5 | 5 | - | 10 | - | 5 | - |
|  | Fabrication and maintenance of aquarium  | Fisheries  | FIS | 10 | 5 | - | 10 | - | 5 | - |

**Table 5.4. Details of training programme to be conducted for Livelihood Security in rural areas by the KVKs**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of KVK** | **Training title** | **Self employed after training** | **Number of persons employed else where** |
| **Type of units**  | **Number of units**  | **Number of persons employed**  |
|  | **Tailor Ladies** | **Tailoring shop** | **10** | **10** |  |

**Table 5.5. Sponsored Training Programmes**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name of KVK** | **Title** | **Thematic area (as given in abbreviation table)** | **Sub-theme (as per column no 5 of Table T1)**  | **Client****(FW/ RY/ IS)** | **Dura-tion (days)** | **No. of courses** | No. of Participants | **Spon. Agency** | **Fund received for training (Rs.)** |
| Others | SC | ST |
| **M** | **F** | **M** | **F** | **M** | **F** |
| **KVK Banswara** | Krishi jaankar | ICM | - | RY | 30 | 1 | 5 |  | 5 |  | 15 |  | RSLDC | 1.2 lac |
|  | Integrated farming system | ICM, LPM, HOV | - | FW, RY | 2-3 days | 15 | 80 | 20 | 70 | 40 | 210 | 80 | ATMA and NGO | 2.40 lac |

**Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name of KVK** | **Title** | **Thematic area (as given in abbreviation table)** | **Sub-theme (as per column no 5 of Table T1)**  | **Client****(FW/ RY/ IS)** | **Dura-tion (days)** | **No. of courses** | No. of Participants | **Spon. Agency** | **Fund received for training (Rs.)** |
| Others | SC | ST |
| M | F | M | F | M | F |
| **KVK Banswara** | Role of panchayati raj office bearers in village agriculture development | ICM | -- | IS | 1 | 1 | 15 | 5 | 5 | 3 | 10 | 7 | ATMA |  |

**Table 5.7 Evaluation/Follow up & Impact of the training programmes conducted by the KVK**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name of KVK** | Title of the training | No. of trainees | Change in knowledge (Score) | Change in Production (q/ha) | Change in Income (Rs) | Impact on 1. Area expanded (ha)
2. No. of farmers adopted (no.)
3. % change in knowledge, production & Income
 |
| Before | After | Before | After | Before | After |
| **KVK Banswara** |  |  |  |  |  |  |  |  |  |

**6. EXTENSION ACTIVITIES**

| **Name of the KVK** | **Activity** | **No. of activities****(Targeted)** | **No. of activities****(Achieved)** | **Detail of Participants** | **Remarks** |
| --- | --- | --- | --- | --- | --- |
| **Farmers (Others)** | **SC/ST (Farmers)** | **Extension Officials** |
| **Purpose** | **Topic s** | **Crop Stages** |
| **M** | **F** | **M** | **F** | **M** | **F** |
| **KVK Banswara** | Field Day | 12 |  | 170 | 10 | 520 | 210 | 20 | 4 | To show full production potentials of recommended technologies  | ICM | Maturity  |
|  | Kisan Mela | 1 |  | 900 | 300 | 1600 | 450 | 40 | 10 | Popularize new technologies | Liveli hood security  |  |
|  | Kisan Ghosthi | 2 |  | 25 | 2 | 85 | 35 | 5 | 2 | To show technologies | ICM, LPM |  |
|  | Exhibition | 2 |  | 1000 | 500 | 1800 | 800 | 50 | 15 | Awareness about new technologies  | As per theme of exhibition  |  |
|  | Film Show | 25 |  | 200 | 50 | 800 | 450 | -- | -- | To show technologies | As per training need  |  |
|  | Method Demonstrations | 50 |  | 400 | 100 | 400 | 200 | 25 | 5 |  How to use new technology  | As per need of farmer  |  |
|  | Farmers Seminar | 1 |  | 20 | 10 | 50 | 20 | 4 | 2 | To show full production potentials of recommended technologies  | ICM |  |
|  | Workshop | 1 |  | 30 | 5 | 90 | 25 | -- | -- |  |  |  |
|  | Group meetings | 2 |  | 30 | 5 | 90 | 25 | -- | -- | Promoting group activity  | As per need of group  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **KVK Banswara** | Lectures delivered as resource persons | 37 |  | 150 | 50 | 1200 | 300 | 50 | 10 | To provide technical know how | As per need raised by respondents |  |
|  | Newspaper coverage | 50 |  |  |  |  |  | - | - | Mass publicity |  |  |
|  | Radio talks  | 2 |  |  |  |  |  | - | - | Mass publicity |  |  |
|  | TV talks  | 2 |  |  |  |  |  | - | - | Mass publicity |  |  |
|  | Popular Articles | 8 |  | 250 | 50 | 1000 | 200 | - | - | Mass publicity  | ICM, SFM , LPM,HOF&HOV |  |
|  | Extension Literature | 4 |  |  |  |  |  | - | - | Mass publicity  | ICM, SFM , LPM,HOF&HOV |  |
|  | Farm Advisory Services | 24 |  | 3000 | 1000 | 15000 | 3000 | 500 | 200 | Mobile SMS  | As per situation  |  |
|  | Scientific visit to farmers field | 15 |  | 70 | 10 | 250 | 50 | 30 | - | To solve problem  | As per need  |  |
|  | Farmers Visit to KVK | 1800 |  | 350 | 50 | 1200 | 200 | 10 | - | Farmers problem  | As per need  |  |
|  | Diagnostic Visits | 2 |  | 15 | -- | 40 | 10 | 5 | - | To solve specific problem | As per need |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Exposure Visits | 1 |  | 12 | -- | 40 | -- | - | - | To show the technical advancement | As per need |  |
|  | Ex-trainees Sammelan | 1 |  | 10 | -- | 40 | -- | - | - | For getting Feedback  | As per need |  |
|  | Soil Health Camp | 2 |  | 3 | 2 | 15 | 10 | 2 | - | Identification of problematic soil | As per need |  |
|  | Animal Health Camp | 2 |  | 18 | 7 | 60 | 15 | 4 | 2 | Provide treatment to animal | Vaccination and disease controlling  |  |
|  | Agri Mobile Clinic |  |  |  |  |  |  |  |  |  |  |  |
|  | Soil Test Campaigns | 4 |  | 15 | 5 | 55 | 25 | 4 | - | Awareness about soil testing  | Soil testing  |  |
|  | Farm Science Club conveners meet |  |  |  |  |  |  |  |  |  |  |  |
|  | Self Help Group conveners meetings | 4 | - | - | 12 | - | 28 | - | 4 | Women empowerment  | Entrepreneurship activities  |  |
|  | Formation of farmers business groups  | 1 | - | 5 | - | 10 | - | 2 | - | Marketing of agricultural produce  | - | - |

**7. Production and supply of Technological products**

**7.1 SEED production**

| **KVK Name** | **Major group/class** | **Crop** | **Variety** | **Type of produce****(for Seed produced type here SD; For Planting Material type here PM)** | **Quantity** | **Unit for quantity of produces****(qtl for SD and Nos for PM)** | **Value** **(Rs.)** | **Provided to No. of Farmers** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **KVK Banswara** | Cereals | Rice Rabi Maize Wheat | Pusa-1509PratapQPM1Raj-4079/ Raj-4120 | TL HybridTL | 5 qtl 30 qtl25 qtl  | qtl qtlqtl | 2500023500050000 | 502550 |
|  | Pulses | BlackgramGram | Pratap urd1PBC-37/RVG202 | TLTL | 10 qtl20 qtl | qtl qtl | 5000080000 | 10080 |
|  | Oilseeds  | Soybean | JS97-52/JS95-60 | BS/TL | 30 qtl | Qtl | 120000 | 30 |
|  | Pulses  | Summer green gram | IPM-02-3  | TL | 7 qtl | Qtl | 35000 | 100 |
|  | Fruits | MangoGuava  | Mallika,Dasheri& LangraL49 | FruitsFruits | 50 qtl100 qtl | Qtlqtl | 200000200000 |  |

**7.2 Planting Material production**

| **KVK Name** | **Major group****/class** | **Name****of the crop** | **Date of sowing** | **Date of harvest** | **Area (ha)** | **Details of production** | **Amount (Rs.)** | **Remarks** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variety** | **Type of Produce** | **Qty.** | **Cost of inputs** | **Gross income** |
| **KVK Banswara** | **Crops** | Soybean  | June-july | Oct-nov | 3.0 | JS97-52/JS95-60 | BS/TL | 30 qtl | 75000 | 120000 |  |
|  | Blackgram | June-july | Oct-nov | 1.5 | Pratap urd1/Gujrat urd1 | TL | 10 qtl | 30000 | 50000 |  |

|  |  | Rice | June-july | Oct-nov | 0.2 | Pusa-1509 | TL | 5 qtl | 15000 | 25000 |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Gram | Oct-nov | Feb-march | 2.0 | PBC-37/RVG202 | TL | 20 qtl | 50000 | 80000 |  |
|  | Wheat | Oct-nov | Feb-march | 0.75 | Raj4120/Raj4079 | TL | 25 qtl | 20000 | 25000 |  |
|  | Rabi Maize  | Oct-nov | April | 2.0 | PratapQPM1  | Hybrid  | 30 qtl  | 100000 | 235000 |  |
|  |  | Summer greengram | Feb-march | May-June  | 1.0 | IPM-02-3 | TL | 7 qtl | 20000 | 35000 |  |
|  | Fruits (Planting material) | Mango | June-july |  |  | Mallika DasheriKesar etc. | Grafted plant | 10000 nos | 248000 | 400000 |  |
|  | Guava | June-july |  |  | L49  | Air layring  | 10000 nos | 210000 | 350000 |  |
|  | Lemon | June-july |  |  | Kagzi | Air layring  | 5000 nos | 105000 | 175000 |  |
|  | Sapota | June-july |  |  | Kalipatti  | Grafted  | 500 nos | 12400 | 20000 |  |
|  | Papaya | June-july |  |  | Redlady786 | Seeded | 10000 nos | 90000 | 150000 |  |
|  | Ornamental plants  | Rose  | June-july  |  |  | Ganganagri red  | Cutting  | 1000 nos | 5000 | 10000 |  |
|  |  | Marigold | Oct- Nov |  |  | Pusa Narangi | seed | 0.05 q | 4000 | 10500 |  |

**7.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **KVK Name** | **Name of the Product** | **Qty** | **Amount (Rs.)** | **Remarks** |
| **Cost of inputs** | **Gross income** |
| **KVK, Bsw** | BIOAGENTS |  |  |  |  |
|  | BIOFERTILIZERS |  |  |  |  |
|  | BIO PESTICIDES |  |  |  |  |
|  | Verms  | 100 Kg | 3600 | 15000 |  |
|  | Vermicompost  | 9000 Kg  | 16000 | 27000 |  |

**7.4 Livestock and fisheries production**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **KVK Name**  | **Name****of the animal / bird / aquatics** | **Details of production** | **Amount (Rs.)** | **Remarks** |
| **Breed** | **Type of Produce** | **Qty.** | **Cost of inputs** | **Gross income** |
| KVK Banswara | Cattle | - |  |  |  |  |  |
| Buffalo | - |  |  |   |  |  |
| Sheep and Goat | - |  |  |  |  |  |
| Poultry | Pratapdhan | Chicks Six week age old | 10200 nos | 612000 | 816000 |  |
| Fisheries | IMC | Spawn | 10000000 nos | 100000 | 170000 |  |
| Others (Specify) | IMC | Fry  | 200000 nos | 20000  | 30000 |  |
|  | IMC | Fingerlings | 50000 nos  | 30000 | 50000 |  |

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

Status of establishment of Lab : YES

Year of establishment : 2007

8.1 Details of soil & water samples analyzed so far :

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| KVK Name | Type | No. of Samples | No. of Farmers | No. of Villages | Amount released | Resources to be generated |
| KVK Banswara | Soil Sample | 500 | 450 | 15-20 | 5000 |  |
|  | Water Sample | 5 | 5 | 5 | 50 |  |

**9. Rainwater Harvesting, if available.**

Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit 

| **Name of KVK** | **Date** | **Title of the training course** | **Client (PF/RY/EF)** | **No. of Courses** | **No. of Participants including SC/ST** | **No. of SC/ST Participants** |
| --- | --- | --- | --- | --- | --- | --- |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| KVK, Banswara |  | **NIL** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** |

**10. Kisan Mobile Advisory (KVK-KMA)**

|  |  |  |  |
| --- | --- | --- | --- |
| **KVK Name**  | **No. of messages to be sent** | **No. of beneficiaries** | **Major recommendations** |
| **KVK, Banswara** |  | Farmers  | Ext. Pers. |  |
|  | 24 | 22000 | 700 | Time and need base information to be provided |

**11. Details of SAC Meeting**

|  |  |  |  |
| --- | --- | --- | --- |
| **KVK Name**  | **Date of SAC meeting** | **No. of SAC members attended** | **Major recommendations** |
| KVK Banswara | 22-04-2015 | 24 |  |

**12. Literature to be Last Developed/Published (with full title, author & reference)**

**12.1 KVK Newsletters**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **KVK Name** | **Date of start** | **Periodicity** | **Number of copies to be printed** | **Number of copies to be distributed** |
| KVK Banswara | NIL |  |  |  |

**12.2 Details of Electronic Media to be Produced**

|  |  |  |  |
| --- | --- | --- | --- |
| **KVK Name** | **Type of media (CD / VCD / DVD / Audio-Cassette)** | **Title of the programme** | **Number** |
| KVK Banswara | DVD | Kisan Mela | 1 |

**12.3 PUBLICATIONS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category**  | **Number**  | **Date of start** | **Periodicity** | **Number of copies to be printed** | **Number of copies to be distributed** |
| **Type** | **Title** | **Author’s name** | **Number of copies** |
| Research papers | 4 |  |  | Concerned SMS |  |
| Technical bulletins | 1 |  |  |  |  |
| Technical reports | 4 |  |  | Dr. G.L.KothariMrs. Rashmi Dave |  |
| Popular article | 8 |  |  |  |  |
| News paper coverage | 50 | Press release | About KVK activities | Concerned SMS |  |
| **Year Planner**  | 1 |  | Annual | Programme Coordinator |  |

**13. Convergence with various agricultural schemes (Central & State sponsored)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **KVK Name** | **Name of scheme** | **Name of Agency (Central/state)** | **Funds received (Rs.)** | **Activities organized** | **Operational Area** | **Remarks** |
| KVK Banswara | ATMA | State  | 300000 | Trainings  | Banswara district  |  |
| RKVY | Central | 720000 | Trainings, FLD and field days | Adopted villages  |  |
| Seed Village | - | - | - | - |  |
| NAIP | Central  | 200000 | Demonstration, trainings and critical inputs  | NAIP adopted villages  |  |

**14. Utilization of Farmers Hostel.**

 **Accommodation available (No. of beds): 25**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **KVK Name**  | **Months** | **Year** | **Title of the training course** | **Duration of training**  | **No. of trainees stayed** | **Trainee days** **(days stayed)** | **Reason for short fall (if any)** |
| KVK, Banswara | Throughout the year  | 2015-16 | On campus trainings , exposure visit | 3-30 days  | 500 | 50 days |  |

**15. Utilization of Staff Quarters:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **KVK Name**  | **Year of construction** | **Year of allotment** | **No. of quarters occupied** | **No. of quarters vacant** | **Reasons for vacant quarters, if any** |
| KVK, Banswara | 2007-08 | 2007 and 2009 | 3 | 3 | Away from city and at isolated place and problem of school and other necessary needs |

16. Details of KVK Agro-technological Park –

a) Have you prepared layout plan, where sent?

|  |  |  |  |
| --- | --- | --- | --- |
| Sr .No. | Name of KVK | Technology park proposal developed(yes/no) | If yes, where sent?(ZPD/DES/any other, pl. sp.) |
| 1. | KVK, Banswara | Yes  | To be sent to DEE&ZPD |

b) Details about Technology Park

|  |  |  |
| --- | --- | --- |
| Name of KVK | Name of Component of Park | Detail Information (If established) |
| KVK, Banswara | Crop Cafeteria | All major crops of district  |
| Technology Desk | Nil |
| Visitors Gallery | Nil |
| Technology Exhibition | Display of live models  |
| Technology Gate-Valve | Nil |

**c). Crop Cafeteria-**

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Theme of Crop Cafeteria** | **No. of Crop Cafeteria** |
| 1. | High value and low volume crops  | 3 |

**17. Farm Innovators- list of 10 Farm Innovators from the District**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Name of kvk** | **Name of Farm Innovator** | **Name of the Innovation** | **Address of the farmer with Mobile No.** |
| 1 | KVK Banswara | Shri Kalu Ram S/o Kuriya Yadav | Sweet Corn Cultivation | Gamdi-9928987794 |
| 2 | KVK Banswara | Smt. Meera bai W/o Bakshu Ram | Vermicompost Production | Makod - |
| 3 | KVK Banswara | Shri Prabhu Lal S/o Devaji Yadav | Vegetable | Gamdi\_9636750297 |
| 4 | KVK Banswara | Shri Jigar S/o Maan Singh | Fish Farming, Vermicompost Production | Borkhedi-9950499368 |
| 5 | KVK Banswara | Shri Magan Lal Vaisiya | Goat Rearing | Bhudanpur-9929233098 |
| 6 | KVK Banswara | Shri Tarachand S/o Goutam Kharadi | Fish Farming | Bhudanpura-9929625227 |
| 7 | KVK Banswara | Shri Digpal Singh S/o Hanumant Singh | Fruits Growers | Metwala-9950161169 |
| 8 | KVK Banswara | Smt. Ratan Devi W/o Thavar Chand | Live Stock Production | Jhakodiya |
| 9 | KVK Banswara | Smt. Kanku W/o Ravindra Kumar | Integrated Farming | Obla |
| 10 | KVK Banswara | Shri Baliya S/o Bhura Ram | Integrated Farming | Sangrampura-9783062475 |

**18. KVK interaction with progressive farmers**- each KVK had already sent a list of 100 progressive farmers to the ZPD, Zone VI, Jodhpur.

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Date and month of interaction programme with progressive farmers** | **No. of progressive farmers to be participated** |
| 1 | Twice in a month | 20 |

**19. Outreach of KVK**

|  |  |  |
| --- | --- | --- |
| **Name of KVK** | **Number of Blocks** | **Number of Villages** |
| **Intensive** | **Extensive** | **Intensive** | **Extensive** |
| **KVK Banswara** | 2 | 8 | 15 | 50 |

**20. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize,** if applicable: Nil

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Name of crop under Technology demonstration** | **Area under the programme** | **No. of Extension Activities** | **Remarks / Lessons learnt** |
|  |  |  |  |  |

**21. KVK Ring**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Name of Ring Partner** | **Sharing Activity** | **Lessons learnt/ Experiences gained.** |
| 1 | Agriculture Research Station,Banswara | Resourse Person in training and farmers scientist interaction various occasion  | Good |
| 2 | Department of Agriculture GOR , Banswara | Trainings and Extension activities  | Good |
| 3 | Department of Horticulture GOR, Banswara | Trainings and Extension activities | Good |
| 4 | Department of Soil Conservation GOR, Banswara | Trainings and Extension activities | Good |
| 5 | Department of Animal Husbandry GOR, Banswara | Trainings and Extension activities and animal camp | Good |
| 6 | Department of Fisheries | Trainings and Extension activities | Good |
| 7 | Department of ICDS | Trainings and Extension activities | Good |
| 8 | Gramin Vikas Trust  | Joint implementation of activities & consultancy  | Good |
| 9 | SWACH Pariyojna | Trainings and Extension activities | Good |
| 10 | Progress Sanstha  | Joint implementation of activities | Good |
| 11 | Rajasthan State Seed Corporation Banswara | Seed Production Programme & information exchange  | Good |
| 12 | KRIBHCO/IFFCO Banswara | Joint implementation of activities | Good |
| 13 | BAIF (NGO) | Joint implementation of activities | Good |
| 14 | RTDCS Banswara | Trainings and Extension activities | Good |
| 15 | Chambal Fertilizer | Joint implementation of activities | Good |
| 16 | AIR Banswara | Broadcasting radio talks  | Good |
| 17 | Rajasthan bhil CDFC project, Goika | Trainings and Extension activities | Good |
| 18. |  Pragati Gramin Vikas Sanstahn | Trainings and Extension activities | Good |

22. Important visitors to KVK

|  |  |  |  |
| --- | --- | --- | --- |
| Name of KVK | Name of Visitor | Date of Visit | Remarks |
| KVK Banswara |  |  |  |
| Hon’ble Vice Chancellor, MPUAT, Udaipur |  |  |
| Director Extension, MPUAT, Udaipur |  |  |
| Director Research, MPUAT, Udaipur |  |  |
| ZPD, Jodhpur |  |  |
| District Colllector, Banswara |  |  |
| Zila Pramukh |  |  |
| Local MP and MLAs |  |  |
| ZDR, ARS, Banswara |  |  |
| Scientists of ICAR institutes |  |  |

23. Status of KVK Website:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr. No. | Name of KVK | Date of start of website | No. of updates since inception | No. of visitors |
| 1 | KVK Banswara | Work in progress |  |  |

24. Status of RTI

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Name of KVK | No. of RTI applications received | No. of RTI appeals |
| 1 | KVK Banswara | Nil |  |

**25. E-CONNECTIVITY (ERNET Lab): Unserviceable**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of KVK** | Number and Date of Lecture delivered from KVK Hub | No of lectors organized by KVK | Brief achievements | Remarks |
| Date | No of Staff attended | No of call received from Hub | No of Call mate to Hub by KVK |
| KVK Banswara |  |  |  |  |  |  |  |

**26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of KVK** | **Types of Activities** | **No. of****Activities** | **Number of****Participants** | **Related crop/livestock technology** |
| KVK Banswara | Gosthies | 1 | 50 | Integrated farming  |
| Lectures organized | 3 | 150 | Integrated farming  |
| Exhibition | 1 | 50 | Integrated farming  |
| Film show | 1 | 50 | Integrated farming  |
| Fair | -- | -- |  |
| Farm Visit | 2 | 100 | Visit of demo units at KVK farm |
| Diagnostic Practical’s |  |  |  |
| Distribution of Literature (No.) | 3 | 100 |  |
| Distribution of Seed (q) | On demand | - | Cereals and pulses |
| Distribution of Planting materials (No.) | On demand | - | Major fruit plants |
| Bio Product distribution (Kg) | On demand worms | - | worms and vermicompost |
| Bio Fertilizers (q) | - | - | - |
| Distribution of fingerlings (No) | On demand | - | IMC |
| Distribution of Livestock specimen (No.) | On demand | - | Poultry |
| Total number of farmers visited the technology week |  | 500 |  |

**27. INTERVENTIONS ON DROUGHT MITIGATION**

**Introduction of alternate crops/varieties**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.****No.** | **Name of KVK** | **Crops/cultivars** | **Area (ha)** | **Number of beneficiaries**  |
| 1 | KVK, Banswara | Cluster bean  | 5 | 25 |
| 2 |  | Forage | 5 | 25 |

**Major area coverage under alternate crops/varieties**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.****No.** | **Name of KVK** | **Crops** | **Area (ha)** | **Number of beneficiaries** |
| 1 | KVK Banswara | Oilseeds( )  |  |  |
| 2 | Pulses ( cluster bean) | 200 | 500 |
| 3 | Cereals (Forage) | 1000 | 5000 |
| 4 | Vegetable crops |  |  |
| 5 | Tuber crops |  |  |
| 6 | Fruits |  |  |
| 7 | Spices |  |  |
| 8 | Cotton |  |  |
|  |  | **Total** | 1200 | 5500 |

**Farmers-scientists interaction on livestock management**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.****No.** | Name of KVK  | **Livestock components**  | **Number of interactions**  | **No. of participants**  |
| 1 | KVK Banswara | Dairy Management | 1 | 30 |
| 2 | Disease management  | -- | -- |
| **3** | Feed and fodder technology | 1 | 30 |
| 4 | Poultry management | 2 | 60 |

**Animal health camps to be organized**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of KVK** | **Number of camps** | **No. of animals**  | **No. of farmers**  |
| KVK Banswara | 2 | 300 | 150 |

**Seed distribution in drought hit states**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of KVK** | **Crops** | **Quantity (qt)** | **Coverage of area (ha)** | **Number of farmers** |
| KVK Banswara | Cluster bean | 4 | 5 | 25 |
|  | Bajra chari | 1 | 5 | 25 |

**Seedlings and Saplings to be distributed : Nil**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of KVK** | **Crops** | **Quantity (No.)** | **Coverage of area (ha)** | **Number of farmers** |
| KVK Banswara |  |  |  |  |

**Bio-control Agents- Nil**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of KVK** | **Bio-control Agents** | **Quantity (q)** | **Coverage of** **Area (ha)** | **No. of farmers** |
| KVK Banswara |  |  |  |  |

**Bio-Fertilizer**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of KVK** | **Bio-Fertilizer** | **Quantity (kg)** | **Coverage of Area (ha)** | **No. of farmers** |
| KVK Banswara | Rhizobium | 3 | 5 | 25 |
| PSB | 6 | 10 | 50 |
| Azosparilium | 3 | 5 | 25 |

**Verms Produced**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of KVK** | **Verms Produced** | **Quantity (q)** | **Coverage of** **Area (ha)** | **No. of Farmers** |
|  |  |  |  |  |

**Large scale adoption of resource conservation technologies**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of KVK** | **Crops/cultivars and of resource conservation technologies introduced**  | **Area (ha)** | **Number of farmers** |
| KVK Banswara | Minimum tillage practices | 1500 | 11000 |

**Awareness Campaign**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name of KVK** | **Meetings** | **Gosthies**  | **Field days**  | **Farmers fair** | **Exhibition** | **Film show** |
|  | **No.** | **No. of farmers**  | **No.** | **No. of farmers**  | **No.** | **No. of farmers**  | **No.** | **No. of farmers**  | **No.** | **No. of farmers**  | **No.** | **No. of farmers**  |
| KVK Banswara | 10 | 400 | 5 | 125 | - | - | - | - | 2 | 200 | 5 | 125 |

**28. Proposal of NICRA/NIFTD/TSP/Any other programme- KVK banswara is working already under TSP budget**

1. **Technologies to be Demonstrated**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of Technology** | **Name of Crop** | **Area (ha.)** | **Yield** | **% change in Yield** | **No. of farmers benefitted** |
| Horticulture development (TSP) | Mango | 2.0 |  |  | 10 |
| Guava | 1.6 |  |  | 8 |
| Fodder production(NIFTD) | Maize | 2.0 |  |  | 10 |
| Jowar | 2.0 |  |  | 10 |
| Bajra | 2.0 |  |  | 10 |
| Barseem | 2.0 |  |  | 10 |
| Oat  | 2.0 |  |  | 10 |

2**. Proposed Extension Activities in NICRA Village –NIL**

|  |  |
| --- | --- |
| **Name of Activity** | **Number of Participants/Beneficiaries to be Covered** |
| **Farmers** | **Farm Women** | **Official** | **Total** |
|  |  |  |  |  |

3. **Proposed Training Activities in NICRA Village-NIL**

|  |  |
| --- | --- |
| **Name of Activity** | **Number of Participants/Beneficiaries to be Covered** |
| **Farmers** | **Farm Women** | **Official** | **Total** |
|  |  |  |  |  |

4**. Proposed Activities for Fodder Bank-NIL**

|  |  |  |
| --- | --- | --- |
| **Established (Years)** | **Capacity** | **Current Status** |
|  |  |  |

5. **Proposed Activities for Seed Bank-NIL**

|  |  |  |
| --- | --- | --- |
| **Established (Years)** | **Capacity** | **Current Status** |
|  |  |  |

6. **Public Representative/District Administration Visited in NICRA Village-NIL**

|  |  |  |
| --- | --- | --- |
| **Name of Representative/Officer** | **Designation** | **Date of Visit** |
|  |  |  |

7. Feedback of Farmers for future improvement, if any.-NIL

8. Good Action Photographs after work progress (step-wise)

**29. Proposed works under NAIP (in NAIP monitoring format)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No** | **Activity** | **Crop/Enterprises** | **Area (HA)** | **No. Of demonstration** | **No. of beneficiaries** |
| 1 | Seeds replacement  | Maize | 60 | 300 | 300 |
| 2 | Fodder  | Barseem  | 45 | 450 | 450 |
| 3 | Vegetables  | Okra, Chilli, Tomato | 10 | 100 | 100 |
| 4 | Poultry  | Poultry unit  | 40 | 40 | 40 |
| 5 | Water management  | Quick connect HDPE pipes  | 450 nos | 45 | 45 |

**30. Status of Revolving Funds (Rs.)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **KVK Name**  | **Account No.** | **Opening balance (Rs.) 1.4.14** | **Closing balance (Rs.)** 31.03.2015 | **Current status (Rs.) 30.11.2015** |
| KVK Banswara | 689901148371 | 1091767.71 | 911850.71 | 1343849.71 |

**31. Awards & Recognitions**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **KVK Name**  | **Name of award /awardee** | **Type of award (Ind./Group/Inst./Farmer)** | **Awarding Organizations** | **Amount received**  |
| KVK Banswara |  |  |  |  |

**32. Case study / Success Story to be developed –**

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. no. | Name of KVK | No. of success stories | No. of case studies |
|  | KVK Banswara | 2 | 4 |