**REVISED PROFORMA FOR ANNUAL REPORT – 2015-16**

1. GENERAL INFORMATION ABOUT THE KVK

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Address | Telephone | | E mail | Website |
| Office | FAX |
| Krishi Vigyan Kendra, Y.C.M. Open University, Nashik - 422 222 | (0253) 2231714, 2231715, 2230698 | (0253) 2231716, 2230698 | [kvknashik@rediffmail.com](mailto:kvknashik@rediffmail.com) | www.kvknashik.org |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Address | Telephone | | E mail | Website |
| Office | FAX |
| Yashwantrao Chavan Maharashtra Open University, Dnyangangotri,  Nashik-422 222 | (0253) 2231714, 2231715 | (0253) 2231716 | ycmou\_nsk@sancharnet.in | http://ycmou.digitaluniversity.ac |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Telephone / Contact | | |
|  | Residence | Mobile | Email |
| Mr. Raosaheb B. Patil | (0253) 2314463 | 9403774654 | [raopatil@rediffmail.com](mailto:raopatil@rediffmail.com) |

1.4 Year of sanction : 01 October 1994.

1.5 Staff Position (as on 31st March 2016)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Sanctioned post** | **Name of the incumbent** | **Designation** | **Discipline** | **Pay**  **Scale** | **Present basic** | **Date of joining** | **Permanent**  **/Temporary** | **Category (SC/ST/**  **OBC/**  **Others)** |
| 1 | Programme  Coordinator | Mr. Raosaheb Patil | Programme  Coordinator | Agril. Microbiology | 15600-39100 | 36360 | 17.03.2003 | Permanent | OBC |
| 2 | Subject Matter  Specialist | Mr. Rajaram Patil | Subject Matter  Specialist | Agril. Engineering | 15600-39100 | 33490 | 01.03.1996 | Permanent | Other |
| 3 | Subject Matter  Specialist | Mr. Hemraj Rajput | Subject Matter  Specialist | Horticulture | 15600-39100 | 32110 | 16.12.1998 | Permanent | Other |
| 4 | Subject Matter  Specialist | Dr. Niteen Thoke | Subject Matter  Specialist | Agril. Extension | 15600-39100 | 28660 | 01.08.2000 | Permanent | Other |
| 5 | Subject Matter  Specialist | Dr. Prakash Kadam | Subject Matter  Specialist | Agronomy | 15600-39100 | 27430 | 10.08.2006 | Permanent | SC |
| 6 | Subject Matter  Specialist | Mrs. Archana Deshmukh | Subject Matter  Specialist | Home Science | 15600-39100 | 25080 | 05.06.2007 | Permanent | Other |
| 7 | Subject Matter  Specialist | Dr. Shyam Kadus | Subject Matter  Specialist | Veterinary Science | 15600-39100 | 25080 | 25.06.2007 | Permanent | Other |
| 8 | Programme Assistant | Mr. Mangesh Vyavahare | Programme Assistant | Agril. Chemistry | 9300-34800 | 16140 | 01.06.2007 | Permanent | OBC |
| 9. | Programme Assistant | Mr. Harshal Kale | Programme Assistant | Computer | 9300-34800 | 13910 | 18.07.2014 | Probation | Other |
| 10 | Farm Manager | Mr. Sandeep Bhagwat | Farm Manager | Horticulture | 9300-34800 | 19880 | 26.03.2003 | Permanent | OBC |
| 11 | Accountant / Superintendent | Vacant | | | | | | | |
| 12 | Stenographer | Mrs. Vanita Rodge | Jr. Steno Cum Computer Operator | - | 5200-20200 | 16100 | 01.07.1995 | Permanent | OBC |
| 13 | Driver | Mr. Satish Sakhare | Driver cum Mechanic | - | 5200-20200 | 12260 | 01.10.1998 | Permanent | OBC |
| 14 | Driver | Mr. Dattu Madhe | Driver cum Attendant | - | 4440-7440 | 8900 | 11.08.1999 | Permanent | ST |
| 15 | Supporting staff | Mr. Rakesh Nikam | Attendant | - | 4440-7440 | 10880 | 01.07.1995 | Permanent | OBC |
| 16 | Supporting staff | Mr. Vinod Bhadke | Attendant | - | 4440-7440 | 10740 | 01.07.1995 | Permanent | OBC |

1.6 Total land with KVK (in ha) :

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Item** | **Area (ha)** |
| 1 | Under Buildings | 00.80 |
| 2. | Under Demonstration Units | 03.20 |
| 3. | Under Crops | 16.00 |
| 4. | Orchard/Agro-forestry | 14.00 |
| 5. | Others |  |
|  | i. Ornamental Plantation | 01.50 |
|  | ii. Farm Roads | 01.20 |

1.7 Infrastructural Development :

A) Buildings

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.**  **No.** | **Name of building** | **Source of**  Funding | **Stage** | | | | | |
| **Complete** | | | **Incomplete** | | |
| **Completion**  **Date** | **Plinth area (Sq.m)** | **Expenditure (Rs.)** | **Starting Date** | **Plinth area**  **(Sq.m)** | **Status of construction** |
| 1. | Administrative  Building | ICAR | July 1998 | 694 | 2650758 | - | - | - |
| 2. | Farmers Hostel | ICAR | July 1998 | 305 | 1600575 | - | - | - |
| 3. | Staff Quarters (6) | - | - | - | - | - | - | - |
| 4. | Demonstration Units (5) | YCMOU | 1998 | 167 | 1085000 | - | - | - |
| 2005 | 98 | 232000 | - | - | - |
| 2009 | 22 | 98000 | - | - | - |
| 2010 | 70 | 128000 | - | - | - |
| 2011 | 200 | 25000 | - | - | - |
|  |  |  | 2013 | 10.8 | 88672 |  |  |  |
| 5 | Fencing | ICAR | - | - | - | - | - | - |
| 6 | Rain Water harvesting system | YCMOU | 2001  2005 | 02Ha | 1500000 | - | - | - |
| 7 | Threshing floor | YCMOU | 1998 | 200 | 35000 | - | - | - |
| 8 | Farm godown | YCMOU | 2003 | 93 | 160000 | - | - | - |
| 9 | Bio-control Lab | NHM + YCMOU | 2012 | 210 | 420000 | - | - | - |

B) Vehicles

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of vehicle** | **Year of purchase** | **Cost (Rs.)** | **Total kms. Run** | **Present status** |
| Ferguson Tractor | 2009 | 538651 | 2433.90 | Good condition |
| Mitsubishi Tractor | 1995 | 1,64034 | Not in use | Need to replace |
| Motor cycle (Suzuki Samurai) | 1995 | 35,850 | Not in use | Need to replace |
| Motor cycle(Suzuki RX-100) | 1995 | 35,536 | Not in use | Need to replace |
| Mahindra Jeep : Bolero | 2009 | 599951 | 161975 | Need to replace |

C) Equipments & AV aids

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the equipment** | **Year of Purchase** | **Cost (Rs.)** | **Present status** |
| Refrigerator (2) | 1997,2005 | 27,000 | Good |
| Student Microscope (1) YCMOU | 1996 | 10,000 | Good |
| Simple Microscopes (4) YCMOU | 1997 | 2,000 | Good |
| Camera SLR with flash gun and  close up lenses (1) | 1996 | 28,000 | Good |
| Autoclave (1) YCMOU | 1998 | 15,000 | Good |
| Mixture (1) | 1996 | 1,200 | Good |
| Colour T.V. (3) | 1995,1998 | 54,980 | Good |
| Video cassette Player (1) | 1995 | 15,500 | Good |
| Radio cum Tape (1) | 1995 | 3,000 | Good |
| Public address system (1) | 1996 | 17,000 | Good |
| Speakers (2) | 1996 | 2,000 | Good |
| Microphone (2) | 1996 | 2,450 | Good |
| Peg tooth weeder/ Earthing up hoe (4) | 1997 | 1,800 | Good |
| Dry and wet bulb thermometer (1) | 1997 | 850 | Good |
| Hand refracto meter (1) | 1997 | 1,000 | Good |
| Water cooler (5) YCMOU | 1998 | 88,019 | Good |
| Fax Machine (1) | 1998 | 18,900 | Good |
| Sewing machine (2) | 1996 | 8,200 | Good |
| Gas cylinder (4) | 1996 | 3,000 | Good |
| Water heater drum (1) | 1997 | 1,000 | Good |
| Laminar flow cabinet (1) YCMOU | 2000 | 72,005 | Good |
| Micro PH meter (digital) (1) | 2005 | 13,650 | Good |
| Conductivity Meter (Digital) (1) | 2005 | 15,942 | Good |
| Digital visible spectro- photo meter (1) | 2005 | 37,847 | Good |
| Flame Photo meter (1) YCMOU | 2000 | 37,847 | Good |
| Centrifuge Machine (1) YCMOU | 2000 | 15,000 | Good |
| Trinocular Research microscope (1) YCMOU | 2000 | 31,00 | Good |
| Hot air oven (1) YCMOU | 2005 | 15,000 | Good |
| Hot plate (2) YCMOU | 2000 | 25,000 | Good |
| Muffle Furnace (1) YCMOU | 2000 | 24,000 | Good |
| Water Still (1) YCMOU YCMOU | 2000 | 20,000 | Good |
| Mechanical Flask Shaker (2) ICAR | 2000,2005 |  | Good |
| Top pan balance (Digital) (3) YCMOU | 2000,2005,2006 | 1,25,000 | Good |
| BOD incubator (1) | 2000 |  | Good |
| Laboratory accessories (1) | 2005 | 50,000 | Good |
| Video Camera (1) | 2007 | 52,800 | Good |
| Computer +printer +UPS (1) | 2006 | 73,333 | Good |
| Lap top (1) | 2006 | 51,850 | Good |
| Ribbon Blender | 2013 | 58500 | Good |
| Homogenizer | 2013 | 39375 | Good |
| Air conditioner | 2013 | 28300 | Good |
| Sealing machine | 2013 | 23500 | Good |
| Batch coder | 2013 | 3150 | Good |
| BOD incubator | 2013 | 61875 | Good |
| Chemical balance | 2013 | 20812 | Good |
| Pusa Soil Kit | 2015 | 93 |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Date**  **( DD/MM/YYYY)** | **Name and Designation of Participants** | **Salient Recommendations** | **Action taken** |
| 1. | 9th June, 2015 | 1. Dr. Manikrao Salunkhe, Chairman and Hon. Vice Chancellor, YCMOU, Nashik 2. Dr. Prakash Atkare, Registrar. YCMOU, Nashik, Invitee. 3. Dr. Prashant Bodke, Associate Professor Representative, ADR, MPKV, Igatpuri 4. Dr. Chavan A.K. Manager, Lead Bank, Bank Of Maharashtra, Nashik 5. Shri. Dnyaneshwar Borade, ADO, ZP Nashik 6. Shri. Anil Bhombe, representative of SAO, Nashik 7. Shri. Sagar Khairnar representative of PD ATMA Nashik 8. Shri. Nanasaheb Patil, program officer All India Radio, Nashik 9. Shri. Bhausaheb Jadhav, farmer representative, Nashik 10. Shri. Rupesh Khedkar, Representative of PC Malegaon Dist.Nashik 11. Prof. Raosaheb Patil, PC Nashik, Member Secretary | 1. **Dr. Manikrao Salunkhe**.- Hon. VC and chairman  * A copy of Survey Reports to know the process of village selection and the results form Annual Report shall discussed with VC. * While presenting the action plan give previous year results of all demonstrations. * Give copy of success stories of the KVK to VC. * Plan one visit to nearest best awards winners KVK with VC, Registrar and KVK staff.   2**) Dr. Prashant Bodke, Associate Professor, ADR Igatpuri**.   * KVK may give SMS on weather forecast given by ADR to farmers. * New Paddy transplanting frame may used for four fold technology in KVK demonstrations.  1. **Shri.** **Nanasaheb Patil**, All India Radio, Nashik.  * KVK activates are good, KVK may Provide list of successful farmers for the Form Radio Program to broadcast success stories.  1. **Shri Dnyaneshwar Borade**, ADO, Nashik  * KVK activities are relevant and useful. These activates are being replicated in tribal area of the district.  1. **Shri Sagar Khairnar,** Representative ATMA, Nashik  * The list of group will be provided by ATMA office, SMS given by KVK may provide to the ATMA groups. | * PRA report, Impact study report, Annual reports, and status reports submitted to Hon. VC. All procedural part was discussed with him. * Included the results of last year activities * Submitted the copies of success stories to Hon. VC * Visit to KVK, Babhaleshwar has been planned * There is large difference in climatic situation in Igatpuri and Nashik. Though some relevant messages are being sent * Paddy transplanting frame has been included in next year Action Plan * KVK has communicated the success stories and some stories has been broadcasted * The list of farmers from ATMA has been included in KVK’s farmers list for sending the SMSs. |
| 2. | 17th December, 2015 | 1. Dr. Manikrao Salunkhe, Chairman and Hon. Vice Chancellor, YCMOU, Nashik 2. Shri. Tukaram Jagtap, DSAO, Nashik 3. Shri. Pravin Gavande, Deputy Project Director, ATMA, Nashik 4. Shri. Gokul Wagh, SDAO, Nashik 5. Do. S.U. Borale, Associate Professor, Regional Research Station, Igatpuri (MPKV) 6. Dr. Chavan A.K. Manager, Lead Bank, Bank Of Maharashtra, Nashik 7. Shri Atul Vedpathak, DDO, NABARD, Nashik 8. Shri. Hemant Kale, ADO, Zilla Parishad, Nashik 9. Shri. Bhausaheb Jadhav, farmer representative, Nashik 10. Shri. Rupesh Khedkar, Representative of PC Malegaon Dist.Nashik 11. Prof. Raosaheb Patil, PC Nashik, Member Secretary | **Dr. Manikrao Salunkhe, Chairman and Hon. Vice Chancellor, YCMOU, Nashik**   * While presenting the activities, last year results and proposed activities should be presented systematically   **Dr. S.U. Borale, Associate Professor, Regional Research Station, Igatpuri (MPKV)**   * KVK should plan FLD on Little Millet. Regional Agriculture Research Station, Igatpuri will provide Truthful Seed of ‘Phule Ekadasi’ for FLD * Literature on Improved production technology of Little Millet will made available to KVK, Nashik by Regional Agriculture Research Station, Igatpuri * Awareness campaign for Apiculture in Onion Seed Production should be undertaken by KVK * Training on processing techniques of Little Millet should be arranged   **Shri. Tukaram Jagtap, DSAO, Nashik**   * Agriculture department has identified 8 Soil Testing Labs under Soil Health Improvement Programme. KVK lab will be included in this list and will send soil samples for testing in 2nd phase. * For Kharif and Rabi planning, arrange joint meeting of SDAO and KVK for effective planning and implementation of the programmes * KVK should invite SDAOs for SAC meetings for tahasil-wise planning of activities   **Shri. Hemant Kale, ADO, Zilla Parishad, Nashik**   * KVK should arrange awareness campaigns on Onion Irradiation. Zilla Parishad will identify the farmers for the programmes. * Farmers have removed their Pomegranate orchards on large scale due to Oily Spot disease. KVK should suggest Guava crop as alternative for Pomegranate. Moreover, KVK should provide Guava grafts to these willing farmers.   **Dr. Chavan A.K. Manager, Lead Bank, Bank Of Maharashtra, Nashik**   * KVK trainee can submit proposals for purchasing the agriculture implements under custom hiring to Bank of Maharashtra. Bank can finance such willing trainee. KVK should inform their trainee about bank facility. | * While presenting the activities, last year results will be presented * Planned FLD on Little Millet in Kharif- 2016 * Awareness campaign for Apiculture in Onion Seed Production are planned * Planned processing techniques of Little Millet during this year * KVK has submitted Soil Testing Lab details to DSAO for further action * Conducted joint meeting of SDAO and KVK on Kharif planning * SDAO will be invited for next SAC meeting * Planned awareness campaigns on Onion Irradiation this year * KVK has good Guava grafts available for farmers |

**2. DETAILS OF DISTRICT (2015-16)**

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

|  |  |
| --- | --- |
| S. No | Farming system/enterprise |
| 1. | Agriculture + Horticulture |
| 2. | Horticulture + High tech Floriculture |
| 3. | Agriculture + Horticulture + Dairy |
| 4. | Agriculture + Poultry |
| 5. | Agriculture + Dairy |

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

|  |  |  |
| --- | --- | --- |
| S. No | Agro-climatic Zone | Characteristics |
| 1. | Ghat Zone | Annual rainfall 3000 to 5000 mm., Laterite and non laterite soils with forest cover, Undulating topography |
| 2. | Transitional Zone I | Annual rainfall 1250 to 3000 mm., Reddish brown soils of hilly slopes |
| 3. | Transitional Zone II | Annual rainfall 700 to 1240 mm., medium black soils, plain zone. |
| 4. | Scarcity Zone | Annual rainfall 500to 700 mm., coarse shallow soils, calcareous soils. |

|  |  |  |
| --- | --- | --- |
| S. No | Agro ecological situation | Characteristics |
| 1. | High rainfall, sloppy land, light soils | Hilly tract, Forest cover, lateritic soils |
| 2. | High rainfall, Medium soils | Undulating land, paddy, Niger, finger millet are main crops |
| 3. | Assured rainfall, Medium soils | Plain zone, Wheat, Soybean is the main crops. |
| 4. | Assured irrigation, Medium to heavy soils | Black soils, Grape and vegetable belt |
| 5. | Low rainfall, Scarcity area, Light to medium soils | Black soils, Pomegranate, maize are main crops |
| 6. | Low rainfall, un-assured rainfall, medium to heavy soils | Deep black soils, bajra, cotton are main crops |

**2.3 Soil types**

|  |  |  |  |
| --- | --- | --- | --- |
| S. No | Soil type | Characteristics | Area in ha |
| 1. | Laterite and non laterite soils | Well drain, deficient in lime, PH 5-6, Low in nutrient, high leaching | 70400 |
| 2. | Reddish brown soils | Porous soils, absence in N,P,K,lime and organic matter, PH 7-7.5, low fertility status, high leaching | 496645 |
| 3. | Medium black soils | Heavy clay texture, PH 7.5-8.5, deficient in N and P, rich in K, poor aeration. | 321760 |
| 4. | Coarse shallow soils | Light texture, low clay content, PH 6-7.5, deficient in N,P,K. | 647255 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Crop** | **Area**  **(ha.)** | **Production (Qtl)** | **Productivity (Qtl/ha)** |
| 1. | Paddy | 601 | 593 | 987 |
| 2. | Sorghum kharif | 19 | 27 | 1437 |
| 3. | Pearl millet | 1722 | 2403 | 1396 |
| 4. | Finger millet | 383 | 161 | 410 |
| 5. | Maize | 1651 | 4867 | 2948 |
| 6. | Other cereals | 110 | 51 | 460 |
| 7. | Total cereals | 4486 | 8102 | 1806 |
| 8. | Green gram | 114 | 97 | 850 |
| 9. | Mung | 116 | 101 | 869 |
| 10. | Black gram | 141 | 111 | 786 |
| 11. | Other pulses | 141 | 61 | 430 |
| 12. | Total pulses | 512 | 370 | 723 |
| 13. | Total kharif food grain | 4997 | 8471 | 1695 |
| 14. | Ground nut | 325 | 245 | 748 |
| 15. | Seasamum | 0 | 0 | 0 |
| 16. | Niger | 156 | 25 | 153 |
| 17. | Soybean | 523 | 741 | 1417 |
| 18. | Sunflower | 02 | 01 | 470 |
| 19. | Oilseed | 34 | 14 | 415 |
| 20. | Total oilseed | 1041 | 1026 | 985 |
| 21. | Cotton | 507 | 177 | 350 |
| 22. | Sugar cane | 256 | 17920 | 70 |
| 23. | Total Kharif | 1802 | 97594 |  |
| 24. | Sorghum | 143 | 107 | 750 |
| 25. | Wheat | 713 | 1248 | 1750 |
| 26. | Maize | 33 | 75 | 2280 |
| 27. | Other cereals | 04 | 02 | 500 |
| 28. | Total cereals | 893 | 1433 | 1604 |
| 29. | Bengal gram | 426 | 405 | 950 |
| 30. | Other pulses | 15 | 06 | 400 |
| 31. | Total pulses | 441 | 411 | 931 |
| 32. | Safflower | 01 | 01 | 500 |
| 33. | Sunflower | 0 | 0 | 0 |
| 34. | Other oilseed | 03 | 01 | 410 |
| 35. | Total oilseed | 03 | 01 | 440 |
| 36. | Total rabi | 3737 | 1844 | 1379 |
| 37. | Summer Groundnut | 19 | 23.8 | 1250 |
| 38. | Summer Sunflower | 0 | 0 | 0 |
| 39. | Summer Maize | 14 | 25.2 | 1800 |
| 40. | Summer Bajara | 04 | 4.2 | 1050 |
| 41. | Other Summer crop | 02 | 2.1 | 550 |
| 42. | Total summer | 39 | 54.95 | 1391 |

(Ref. Year : 2011 – 2012)

**2.5. Weather data 2014-15**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Met.  Week | RAINFALL  (mm) | Rainy Day | Wind velocity | Sunshine | Temperature (c) | | Humidity(%) | | PAN Evap. |
|  |  |  |  | Max | Min | Mor | even |  |
| 13 | 7 | 1 | 34.3 | 57.1 | 222.8 | 96.6 | 574.0 | 252.0 | 41.4 |
| 14 | 0 | 0 | 60.2 | 65.8 | 263.2 | 141.4 | 476.0 | 196.0 | 58.8 |
| 15 | 34 | 1 | 71.4 | 63.0 | 264.6 | 138.6 | 504.0 | 238.0 | 67.2 |
| 16 | 0 | 0 | 68.6 | 67.2 | 266.0 | 140.0 | 462.0 | 168.0 | 71.4 |
| 17 | 0 | 0 | 57.4 | 70.7 | 267.4 | 138.6 | 519.0 | 196.0 | 78.5 |
| 18 | 0 | 0 | 52.6 | 68.7 | 268.8 | 144.3 | 546.0 | 183.0 | 82.8 |
| 19 | 19 | 2 | 59.2 | 65.9 | 263.4 | 143.1 | 563.0 | 227.0 | 71.3 |
| 20 | 0 | 0 | 50.6 | 71.2 | 274.6 | 152.8 | 450.0 | 197.0 | 95.5 |
| 21 | 0 | 0 | 26.8 | 67.0 | 264.0 | 156.4 | 474.0 | 237.0 | 90.0 |
| 22 | 0 | 0 | 52.2 | 71.3 | 265.1 | 152.8 | 504.0 | 252.0 | 94.1 |
| 23 | 22.4 | 2 | 55.8 | 51.2 | 254.6 | 163.2 | 550.0 | 269.0 | 71.8 |
| 24 | 25 | 3 | 74.0 | 47.8 | 221.4 | 159.1 | 538.0 | 264.0 | 43.9 |
| 25 | 48.8 | 2 | 63.4 | 47.7 | 223.2 | 152.3 | 533.0 | 272.0 | 58.2 |
| 26 | 13.8 | 1 | 56.7 | 44.8 | 215.8 | 153.7 | 561.0 | 266.0 | 70.1 |
| 27 | 0 | 0 | 47.7 | 42.5 | 227.0 | 161.9 | 543.0 | 267.0 | 79.7 |
| 28 | 0 | 0 | 43.6 | 43.5 | 228.9 | 157.5 | 552.0 | 279.0 | 82.0 |
| 29 | 6.7 | 1 | 55.4 | 37.2 | 210.4 | 159.4 | 594.0 | 406.0 | 46.4 |
| 30 | 30.6 | 5 | 63.7 | 29.5 | 197.3 | 157.1 | 644.0 | 515.0 | 20.0 |
| 31 | 10.4 | 2 | 74.9 | 35.0 | 201.8 | 156.7 | 602.0 | 476.0 | 38.0 |
| 32 | 5.8 | 1 | 39.2 | 29.6 | 201.5 | 149.9 | 644.0 | 462.0 | 28.3 |
| 33 | 5.4 | 1 | 43.9 | 43.9 | 207.0 | 154.2 | 622.0 | 451.0 | 25.9 |
| 34 | 2 | 0 | 38.0 | 52.2 | 205.8 | 148.7 | 645.0 | 381.0 | 35.5 |
| 35 | 0 | 0 | 35.2 | 47.9 | 217.4 | 150.1 | 591.0 | 359.0 | 52.3 |
| 36 | 20.8 | 1 | 16.2 | 52.3 | 225.7 | 146.9 | 593.0 | 362.0 | 39.0 |
| 37 | 31.8 | 3 | 20.6 | 46.6 | 207.6 | 151.4 | 639.0 | 474.0 | 22.8 |
| 38 | 175.2 | 3 | 66.5 | 30.0 | 191.2 | 148.8 | 635.0 | 527.0 | 15.8 |
| 39 | 0 | 0 | 22.3 | 54.6 | 217.1 | 134.9 | 605.0 | 317.0 | 34.8 |
| 40 | 43.4 | 2 | 24.1 | 52.4 | 229.3 | 184.1 | 633.0 | 398.0 | 23.9 |
| 41 | 0 | 0 | 23.2 | 52.5 | 235.5 | 141.3 | 606.0 | 353.0 | 39.1 |
| 42 | 0 | 0 | 28.1 | 56.1 | 237.3 | 126.1 | 593.0 | 311.0 | 43.5 |
| 43 | 6.2 | 1 | 12.3 | 46.1 | 230.4 | 140.2 | 622.0 | 459.0 | 40.6 |
| 44 | 0 | 0 | 15.0 | 56.4 | 215.5 | 110.5 | 576.0 | 398.0 | 45.0 |
| 45 | 0 | 0 | 12.1 | 57.5 | 221.4 | 116.1 | 539.0 | 290.0 | 37.0 |
| 46 | 0 | 0 | 14.9 | 58.8 | 212.6 | 98.4 | 511 | 290 | 37.0 |
| 47 | 28 | 2 | 28.1 | 44.7 | 201.8 | 119.3 | 593 | 360 | 27.3 |
| 48 | 0 | 0 | 15.2 | 63.1 | 214.6 | 122.6 | 598 | 283 | 30.9 |
| 49 | 0 | 0 | 12.0 | 65.8 | 212.0 | 84.1 | 557 | 233 | 31.2 |
| 50 | 0 | 0 | 11.6 | 58.5 | 212.8 | 98.4 | 514 | 244 | 29.6 |
| 51 | 0 | 0 | 14.3 | 61.4 | 208.0 | 68.6 | 511 | 231 | 29.6 |
| 52 | 0 | 0 | 19.9 | 71.7 | 220.0 | 56.8 | 610.0 | 225.0 | 32.5 |
| 1 | 0.0 | 0.0 | 9.4 | 64.3 | 215.6 | 61.6 | 545.0 | 192.0 | 31.9 |
| 2 | 0.0 | 0.0 | 7.7 | 64.6 | 205.0 | 66.4 | 552.0 | 163.0 | 35.6 |
| 3 | 0.0 | 0.0 | 14.8 | 65.1 | 187.8 | 60.4 | 551.0 | 216.0 | 38.8 |
| 4 | 0.0 | 0.0 | 13.2 | 64.6 | 195.0 | 42.6 | 537.0 | 181.0 | 38.2 |
| 5 | 0.0 | 0.0 | 9.7 | 64.1 | 226.2 | 60.0 | 540.0 | 178.0 | 43.5 |
| 6 | 0.0 | 0.0 | 20.0 | 70.9 | 213.8 | 68.2 | 522.0 | 200.0 | 40.1 |
| 7 | 0.0 | 0.0 | 18.0 | 69.6 | 215.2 | 74.2 | 540.0 | 234.0 | 46.2 |
| 8 | 0.0 | 0.0 | 15.9 | 63.0 | 235.8 | 98.2 | 551.0 | 259.0 | 44.5 |
| 9 | 7.4 | 2 | 17.5 | 69.4 | 273 | 119 | 701 | 325 | 45.2 |
| 10 | 0 | 0 | 16.4 | 68.9 | 235 | 86.6 | 523 | 136 | 51.4 |
| 11 | 0 | 0 | 32 | 71.8 | 238.2 | 102 | 470 | 168 | 58.6 |
| 12 | 0 | 0 | 26.9 | 68.2 | 257.8 | 97.6 | 455 | 124 | 65.4 |
| 13 | 0 | 0 | 32.3 | 70.8 | 265.6 | 110.2 | 405 | 114 | 70.8 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Population** | **Production** | **Productivity** |
| Cattle | | Milk 398612 MT |  |
| Crossbreed | 166097 | 11 lit /cow /day |
| Indigenous | 940989 | 04-05 lit /cow /day |
| Buffalo | 233023 | 06 – 10 lit /buffalo /day |
| Sheep | | Wool 180.063 MT |  |
| Crossbreed | 1437 | - |
| Indigenous | 324934 | - |
| Goats | 803387 | Milk included already | 0.3 – 1 lit /goat/ day |
| Pigs | 28287 | Meat 45.9405 MT | 12-18 kg / pigs |
| Crossbred | 1953 |
| Indigenous | 26334 |
| Rabbits | 1643 | Meat 780 kg | 0.5 – 1 Kg / rabbit |
| Poultry | 3213582 | Egg 2191 lakh  Meat 420704.79 MT | - |
| Desi | 1259418 | 50 Eggs/ year |
| Improved | 1954167 | 120-140 Eggs/ year |
| Ducks | 1406 | 130758 Eggs/yr | 112 Eggs/yr |
| Turkey | 329 | - | - |

**2.7 Details of Operational area / Villages (2015-16)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Taluka** | **Name of the block** | **Name of the village** | **Major crops & enterprises** | **Major problem identified** | **Identified Thrust Areas** |
| 01 | Niphad | Niphad | Khadak malegaon | Grape, Onion, Tomato, Soybean, Maize, G’nut, Bengal gram, Poultry | 1. Use of traditional varieties 2. Poor storage life of Onion 3. No judicious use of pesticides 4. Lack of low level mechanization | 1. Use of Improved varieties in agronomical crops 2. Improved cultivation practices to prolong storage life in Onion 3. Improved cultivation practices in quality fruit production in Grapes 4. Integrated pest management. 5. Improved farm machineries 6. Low cost protective cultivation techniques 7. Formation of groups for effective transfer of technologies (TTC’s) |
| 02 | Trimbak | Trimbak | Ganeshgaon (Trimbak), Mohimechi wadi, Chakore | Paddy, Niger, Fingermillet, Cabbage, Chilli | 1. Pest and diseases in agronomical and vegetable crops 2. Unavailability of improved seed in agronomical crops 3. FMD, BQ and HS in problems in animals 4. Hemoglobin deficiency in pregnant women 5. Low yields in traditional poultry breed 6. Unbalanced diet in tribal families | 1. IPM in agronomical and vegetable crops 2. Vegetable nursery management 3. Nutrition management through Kitchen gardening 4. Improving the poultry birds 5. Providing the improved seed 6. Health and hygiene in animals 7. Improving health of pregnant women. |
| 03 | Chandwad | Chandwad | Pimpalnare, Jopul | Grape, Onion, Tomato, Soybean, Maize, G’nut, Bengal gram, Poultry | 1. Use of traditional varieties 2. Poor storage life of Onion 3. Non judicious use of pesticides 4. Lack of low level mechanization 5. Low yields in traditional birds 6. FMD, BQ and HS in problems in animals 7. Unbalanced diet in tribal families | 1. Use of Improved varieties in agronomical crops 2. Improved cultivation practices to prolong storage life in Onion 3. Improved cultivation practices in quality fruit production in Grapes 4. Integrated pest management. 5. Improved farm machineries 6. Low cost protective cultivation techniques 7. Formation of groups for effective transfer of technologies (TTC’s) 8. Nutrition management through Kitchen gardening 9. Improving the poultry birds 10. Health and hygiene in animals |
| 04 | Sinnar | Sinnar | Mendhi, Moh | Bengal gram, Onion, Garlic, Back yard poultry | 1. Use of traditional varieties 2. Non judicious use of pesticides 3. Lack of low level mechanization 4. Low yields in traditional birds 5. FMD, BQ and HS in problems in animals 6. Unbalanced diet in tribal families | 1. Use of Improved varieties in agronomical crops 2. Improved farm machineries 3. Low cost protective cultivation techniques 4. Formation of groups for effective transfer of technologies (TTC’s) 5. Nutrition management through Kitchen gardening 6. Improving the poultry birds 7. Health and hygiene in animals |

**2.8 Priority/thrust areas**

|  |  |
| --- | --- |
| **Crop/ Enterprise** | **Thrust Areas** |
| Oilseed and Pulses | Improving the yield of oilseed, pulses by introducing the improved variety |
| Field Crops | Use of Improved cultivation practices in agronomical crops |
| Field Crops | Soil test based fertilizer recommendation |
| Field Crops | Integrated nutrient management |
| Field Crops | Use of bio-fertilizers for improved crop performance |
| Grapes | Improved cultivation practices in quality fruit production in Grapes |
| Onion | Improved cultivation practices to prolong storage life in Onion |
| Mango | Introduction of alternative cropping pattern through horticultural crops |
| Flower crops | Improved management for Quality improvement in flower crops |
| Fruit and Vegetable | Post harvest management in horticultural crops |
| Nursery Management | Self-employment through fruit and veg nurseries in grapes & Horticulture crops |
| Field Crops | Integrated pest management in fruits vegetables, oilseeds and pulses |
| Vegetable crops | Safe & judicious use of pesticides for residue management |
| Organic farming | Organic farming, bio-pesticides, bio-fertilizers, |
| Vermi-compost | Production and supply of Worms, Recycling of Agro waste |
| Farm Mechanization | Improved farm machineries for labour, cost, time saving and drudgery reduction. |
| Farm Mechanization | Introduction of the selected improved farm machineries for major crops of the district. |
| Fruit & vegetable crops | Irrigation & fertilizers management through drip in fruit & vegetable crops |
| Vegetable and flowers | Protective cultivation of high value vegetable and flowers |
| Agril Information | Information about various developmental activities of different departments |
| Tech adoption & Impact | Assessment and impact evaluation of activities of KVK, Awareness of farmers about Internet |
| Survey Method | Imparting technical skill about PRA survey |
| Women child care | Introduce Nutritious foods in farmwomen’s & school going children’s diet. |
| Nutritional gardening | Popularize organic Nutritional gardening concept. |
| Women child care | Reduced laborious work through drudgery reduction technologies. |
| Agro processing | Develop Skill about soybean processing for increase it consumption. |
| Value addition | Create awareness about vegetable, fruit processing. Develop marketing skills |
| Backyard Poultry | Increase the productivity of animal & breed up gradation, small enterprise |
| Live stock health | Built Resistance for the diseases, Improve the health of live stock |
| Milk production | Clean Milk Production |
| Goat | Breed up gradation, |
| Animal nutrition | Nutrition management in animals, introduction and supply of improved fodder sets |

**3. TECHNICAL ACHIEVEMENTS**

**3. A. Details of target and achievements of mandatory activities by KVK during 2015-16**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **OFT (Technology Assessment and Refinement)** | | | | **FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)** | | | |
| **1** | | | | **2** | | | |
| **Number of OFTs** | | **Number of Farmers** | | **Number of FLDs** | | **Number of Farmers** | |
| **Targets** | **Achievement** | **Targets** | **Achievement** | **Targets** | **Achievement** | **Targets** | **Achievement** |
| 10 | 9 | 113 | 98 | 16 | 18 | 268 | 264 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)** | | | | | **Extension Activities** | | | |
| **3** | | | | | **4** | | | |
| **Number of Courses** | | | **Number of Participants** | | **Number of activities** | | **Number of participants** | |
| **Clientele** | **Targets** | **Achievement** | **Targets** | **Achievement** | **Targets** | **Achievement** | **Targets** | **Achievement** |
| Farmers | 63 | 78 | 1640 | 2122 | 25 | 24 | 4917 | 9358 |
| Rural youth | 20 | 19 | 490 | 426 |  |  |  |  |
| Extn.  Functionaries | 25 | 14 | 695 | 382 |  |  |  |  |
| **Total** | **108** | **111** | **2825** | **2930** |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Seed Production (qtl.)** | | **Planting material (Nos.)** | |
| **5** | | **6** | |
| **Target** | **Achievement** | **Target** | **Achievement** |
| 10 | 8 | 48700 | 33579 |

1. **B. Abstract of interventions 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.** |
| 01 | Quality Production in Grapes | Grape | 1. Improper irrigation and nutrient management. 2. Lack of canopy and fruit bunch management 3. Post harvest management 4. Pest & disease management | - | - | 1. Management of October /April pruning in grapes for quality production 2. Export Quality Grape Production technology. 3. Selection and use of root-stock in grape | Export quality grape production | - | Supplied training notes on export quality grape production & sailent recommandations of NRC grape. |
| 02 | Self employment generation through grafting in grapes and horticultural crops. | Grapes, Mango, Guava, Sapota, Pomegranate and horticultural crops | Unavailability of skill manpower for grafting grape rootstocks & other horticultural crops. | - | - | 1. Grafting techniques in grapes 2. Nursery management of horticultural crops | - | Arranged exposure visit to the commercil horticultural nurseries  Provided with the practical training notes | - |
| 03 | Quality production & improvement of shelf life in onion | Onion | 1. Poor quality & yield in onion. 2. More storage losses and short shelf life. 3. Unavailability of improved seed. 4. Improper nutrient management | 1. Nutritional Management for Improving quality and yield in Onion. 2. Use of Silicon for Improving quality and yield in Onion | Varietal demonstration of N-2-4-1 for quality & higher yield | 1. Improved packages of practices for onion production 2. Various Techniques for prolonging the shelf-life of onion | - | - | Seed (variety Phule Samarth), Azotobactor, Trichoderma, Silicon, foliar fertilizer. |
| 04 | Improving the yield of oilseed and pulses by introducing the improved variety | Soybean, Niger, Groundnut, Bengal gram, Green Gram | Low yields | - | Varietal demonstration | Introduction of new variety and production technology of Soybean, Niger, Groundnut, Bengal gram | - | Training Programme, Method demonsrations, Field days | Seed (variety), Rhizobium, Azotobactor Trichoderma, PSB. |
| 05 | Soil test based fertilizer recommendation | Soybean, Niger, Groundnut, Bengal gram, Green Gram | Low yields and non judicious use of fertilizers | - | Variety with INM | Collection of soil sample for soil testing | Importance of soil testing and interpretation of the soil testing reports for fertilizer recommendations | Method demonstration soil sample collection | - |
| 06 | Low level mechanization | Cereals, Oilseed, Pulses | High cost of production, Unavailability of labour, Low yields due to late sowing | - | CRIDA planter for seed planting  Tractor / Bullock drawn ferti-seed-drill, | Sowing operations, efficient use of the implements | Important farm machineries for cost labour and time saving in the district | Method demonstration on use of machineries | Relevant implements and machineries for demonstration |
| 07 | Drudgery reduction | Ground nut, Soybean, Bengal gram | Drudgery in operations | - | CRIDA Groundnut stripper Grain cleaner cum garder, G’nut decorticator | Drudgery, cost and time reduction through use different improved of implements | Drudgery reduction for women in agriculture | Method demonstration on use of implements | Suitable implements and machineries for demonstration |
| 08 | Protective cultivation of high value vegetable and flowers | Gerbera, Roses, Capsicum | Lack of knowledge and skill | - | Gerbera and capsicum production at KVK farm | Greenhouse cultivation of high value commercial flowers and vegetables | Greenhouse cultivation of high value commercial flowers and vegetables | Exposure visits to leading green houses | - |
| 09 | Dairy development | Dairy | 1. Mastitis disease in cows 2. Inability to dicide right time of insemination in cows | - | 1. Use of crypotoscope to decide right time of insemination in cross breed cows  2. Use of Saf- kit to prevent clinical and sub clinical mastitis in cows | 1. Clean milk production 2. Remedies to minimizes in-fertility in course & buffaloes 3. Method of heat identification for successful conception in bovines 4. Management of bovines for higher conception rate 5. Nutritive up-gradation of low quality feed for bovines | 1. Dairy farming 2. Preparation of silage from maize | 1. Method demonstrations of cryptoscope and saf kit units | 1. Saf-Kit unit 2. Crystoscope Unit 3. CMT Kit |

**3.1 Achievements on technologies assessed and refined**

**A.1 Abstract of the number of technologies assessed\* in respect of crops/enterprises**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Cereals** | **Oilseeds** | **Pulses** | **Commercial Crops** | **Vegetables** | **Fruits** | **Flower** | **Plantation crops** | **Tuber Crops** | **TOTAL** |
| Varietal Evaluation | 1 | - | - | - | - | - | - | - | - | 1 |
| Seed / Plant production | - | - | - | - | 1 | - | - | - | - | 1 |
| Weed Management | - | - | - | - | - | - | - | - | - | - |
| Integrated Crop Management | - | 1 | - | - | - | - | - | - | - | 1 |
| Integrated Nutrient Management | - | - | - | - | - | 1 | - | - | - | 1 |
| Integrated Farming System | - | - | - | - | - | - | - | - | - | - |
| Mushroom cultivation | - | - | - | - | - | - | - | - | - | - |
| Drudgery reduction | - | - | - | - | - | - | - | - | - | 2 |
| Farm machineries | - | - | - | - | - | - | - | - | - |  |
| Value addition | - | - | - | - | - | - | - | - | - |  |
| Integrated Pest Management | - | - | - | - | 1 | - | - | - | - | 1 |
| Integrated Disease Management | - | - | - | - | - | - | - | - | - | - |
| Resource conservation technology | - | - | - | - | - | - | - | - | - | - |
| Small Scale income generating enterprises | - | - | - | - | - | - | - | - | - | - |
| **TOTAL** | - | - | - | - | - | - | - | - | - | **7** |

*\* Any new technology, which may offer solution to a location specific problem but not tested earlier in a given micro situation.*

**A.2. Abstract of the number of technologies refined\* in respect of crops/enterprises**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | - | - | - | - | - | - | - | - | - | - |
| Integrated Nutrient Management | - | - | - | - | - | - | - | - | - | - |
| Integrated Farming System | - | - | - | - | - | - | - | - | - | - |
| Mushroom cultivation | - | - | - | - | - | - | - | - | - | - |
| Drudgery reduction | - | - | - | - | - | - | - | - | - | - |
| Farm machineries | - | - | - | - | - | - | - | - | - | - |
| Post Harvest Technology | - | - | - | - | - | - | - | - | - | - |
| Integrated Pest Management | - | - | - | - | - | - | - | - | - | - |
| Integrated Disease Management | - | - | - | - | - | - | - | - | - | - |
| Resource conservation technology | - | - | - | - | - | - | - | - | - | - |
| Small Scale income generating enterprises | - | - | - | - | - | - | - | - | - | - |
| **TOTAL** | - | - | - | - | - | - | - | - | - | - |

***\**** *Technology that is refined in collaboration with ICAR/SAU Scientists for improving its effectiveness.*

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

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Cattle** | **Poultry** | **Sheep** | **Goat** | **Piggery** | **Rabbitary** | **Fisheries** | **TOTAL** |
| Evaluation of Breeds | - | 1 | - | - | - | - | - | 1 |
| Nutrition Management | - | - | - | 1 | - | - | - | 1 |
| Disease of Management | - | - | - | - | - | - | - | - |
| Value Addition | - | - | - | - | - | - | - | - |
| Production and Management | - | - | - | - | - | - | - | - |
| Feed and Fodder | - | - | - | - | - | - | - | - |
| Small Scale income generating enterprises | - | - | - | - | - | - | - | - |
| **TOTAL** | - | - | - | - | - | - | - | **2** |

A.4. Abstract on the number of technologies refined in respect of livestock / enterprises

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

**B. Details of each On Farm Trial to be furnished in the following format**

A. Technology Assessment

##### Trial 1 (Assessment)

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | Title | : | To assess the cultivars of Finger millet in rainfed situation |
| **2** | Problem diagnose | : | Low productivity of Finger millet due to use of local variety |
| **3** | Details of technologies selected for refinement | : | T1 – Farmers practice - Local variety (Dhavali gari)  T2 - Variety for assessment - Phule Nachani |
| **4** | Source of technology | : | MPKV, Rahuri |
| **5** | Production system thematic area | : | Integrated farming in Medium to light slopy soils |
| **6** | Thematic area | : | Integrated cropping system |
| **7** | Performance of the Technology  with performance indicators | : | * The average yield of assessed variety was 1130 kg/ha. * The improved variety gives more yield as compared to local is due to increase in fingers quantity per |
| **8** | Final recommendation for micro level situation | : | * It is observed that the B:C ratio values of assessed variety Phule Nachani gave 2.36 equal to one, which was better than local. * It is recommended that the improved variety is better than local. |
| **9** | Constraints identified and feedback for research | : | *-* |
| **10** | Process of farmers participation and their reaction | : | The improved variety Phule Nachani has good no. of fingers which leads to increase in yield. |

Results of On Farm Trials

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop/ enterprise** | **Farming situation** | **Problem Diagnosed** | **Title of OFT** | **No. of trials\*** | **Technology Assessed** | **Parameters** | **Data on the parameter** | **Results of assessment** | **Feedback from the farmer** | **Justification for assessment** |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Finger Millet | Rain-fed | Low productivity of Finger millet due to use of local variety | To assess the cultivars of Finger millet in rainfed situation | 15 | Variety for assessment - Phule Nachani | Ti  1. Number of fingers per plant  2. Yield (q/ha) | 2.8  5.40 | The average yield of assessed variety was 1130 kg/ha. and 540 kg/ha for local variety.  The improved variety gives more yield as compared to local is due to increase in fingers quantity per plant. | The improved variety Phule Nachani has good no. of fingers which leads to increase in yield | The improved variety Phule Nachani gives 5.8 fingers per plant and 11.30 qt/ha yields. |
| T2  1. Number of fingers per plant  2. Yield (q/ha) | 5.8  11.30 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Technology Refined** | **\*Production per unit** | **Net Return (Profit) in Rs. / unit** | **BC Ratio** |
| 12 | 13 | 14 | 15 |
| 1. Farmers practice - Local variety (Dhavali gari) | 540 kg/ha | 4680/- (16200-11520) | 1.41:1 |
| 2. Variety for assessment - Phule Nachani | 1130 kg/ha (52.21% higher yield than local) | 19530/- (33900-14370) | 2.36:1 |

***\*Finger Millet market rate: Rs.3000/qt***

##### Trial 2 (Assessment)

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | Title | : | To assess the topping technology in Niger under rainfed situation |
| **2** | Problem diagnose | : | Low productivity of Niger due to less numbers of branches and caputulam per plant |
| **3** | Details of technologies selected for refinement | : | T1 – Farmers practice - Without topping  T2 - Technology assessed -Topping of apical bud at 50 DAS |
| **4** | Source of technology | : | MPKV, Rahuri |
| **5** | Production system thematic area | : | Integrated farming in Medium to light slopy soils |
| **6** | Thematic area | : | Integrated cropping system |
| **7** | Performance of the Technology  with performance indicators | : | * The average yield of assessed technology was 530 kg/ha. which was 46.22 percent more yield than local practice. * The topping technique gives more branching (average 6.8) per plant |
| **8** | Final recommendation for micro level situation | : | * It is observed that the B:C ratio values of assessed topping technology gave 2.86, which was better than local practice. * It is recommended that the topping technology is better than local practice. |
| **9** | Constraints identified and feedback for research | : | *-* |
| **10** | Process of farmers participation and their reaction | : | The topping technology gives more branching and capitulam which leads to increase in yield. |

Results of On Farm Trials

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop/ enterprise** | **Farming situation** | **Problem Diagnosed** | **Title of OFT** | **No. of trials\*** | **Technology Assessed** | **Parameters** | **Data on the parameter** | **Results of assessment** | **Feedback from the farmer** | **Justification for assessment** |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Niger | Rain-fed | Low productivity of Niger due to less numbers of branches and caputulam per plant | To assess the topping technology of Niger in rainfed situation | 15 | Topping of apical bud at 50 DAS | Ti  1. Number of branches per plant  2. Yield (q/ha) | 3.6  2.85 | The average yield of assessed technology was 530 kg/ha. which was 46.22 percent more yield than local practice.  The topping technique gives more branching (average 6.8) per plant. | The topping technology gives more branching and capitulam which leads to increase in yield | The topping technology gives 6.8 branches per plant and 5.30 qt/ha yields. |
| T2  1. Number of branches per plant  2. Yield (q/ha) | 6.8  5.30 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Technology Refined** | **\*Production per unit** | **Net Return (Profit) in Rs. / unit** | **BC Ratio** |
| 12 | 13 | 14 | 15 |
| 1. Farmers practice - Without topping | 285 kg/ha | 5850/- (14250-8400) | 1.70:1 |
| 2. Technology assessed -Topping of apical bud at 50 DAS | 530 kg/ha (46.22% higher yield than local) | 17250/- (26500-9250) | 2.86:1 |

***\*Niger market rate: Rs.5000/qt***

**Trial 3**

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | Title | **:** | Assessment of USE OF INSECT PRO0F NYLON NETS FOR QUALITY VEGETABLE SEEDLING PRODUCTION |
| **2** | Problem diagnose/defined | **:** | Heavy infestation of viral infestation due to white fly |
| **3** | Details of technologies selected for assessment/refinement | **:** | T1 – Farmers practice: No use of insect Net or other  covers to protect vector infestation.  T2 - 50 mesh nylon nets have to be covered over to the  Tomato seedling beds |
| **4** | Source of technology | **:** | IIHR, Banglore |
| **5** | Production system thematic area | **:** | Light –medium soils. Rainfed with seasonal irrigation availability. |
| **6** | Thematic area | **:** | IPM |
| **7** | Performance of the Technology with performance indicators | **:** | Results shown minimize the viral infestation by 70 percent. Produce healthy seedlings results increase in yield (290 Q/ha.) B:C ration 1:1.40. reduced cost on insecticide compared open vegetable nursery. |
| **8** | Final recommendation for micro level situation | **:** | Vegetable seedlings of commercial vegetable crops like Tomato, Chilli, Brinjal should be raised in insect proof net to protect from viral infestation. |
| **9** | Constraints identified and feedback for research | **:** | Unavailability of good quality insect net. Cost of the insect net |
| **10** | Process of farmers participation and their reaction | **:** | Insect Net was provided by KVK to the 10 vegetable growers. Support structure was prepared by farmer. As per the technical guideline farmer followed the required monitoring &observations. Farmers found the protected net structure technology useful to produce quality& healthy seedling production. |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop/ enterprise | Farming situation | Problem Diagnosed | Title  Of  OFT Assessment | No. of trials | Technology Assesse | Parameters of assessment | Data on the parameter | Results of assessment | Feedback from the farmer | Technology Assessed | \*Production per unit | Net Return (Profit) in Rs. / unit | B:C Ratio |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Vegetables  (Tomato, Chilli, Brinjal) | Light –medium soils. Rainfed with seasonal irrigation availability. | Heavy infestation of viral diseases due to sucking pests like white fly | Assessment of USE OF INSECT PRO0F NYLON NETS FOR QUALITY VEGETABLE SEEDLING PRODUCTION | 05 | T1 – Farmers practice: No use of insect Net or other covers to protect vector infestation. | 1.yield  2.% Viral Infestation on vegetable plants after  transplanting  3.B:C Ratio | 1.250-350 q/ha  2.8% | 1.225 q/ha  2.2% | - | Assessment of USE OF INSECT PRO0F NYLON NETS FOR QUALITY VEGETABLE SEEDLING PRODUCTION . | 225 q/ha | 135000 | 1.37:1 |
| T2 - 50 mesh nylon nets have to be covered over to the Tomato seedling beds. | 1.yield  2.% Viral Infestation on vegetable plants after  transplanting  2. B:C Ratio | 1.250-350 q/ha  2.5-10% | 1.290 q/ha  2.3% | Saving in pesticide, improve in quality and yield | 290 q/ha | 165000 | 1.40:1 |

**Trial 4**

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | Title | **:** | Sowing of Mustard, carrot and maize seed in Onion seed production Plot for higher Seed yield. |
| **2** | Problem diagnose/defined | **:** | Low and poor quality seed production in Onion |
| **3** | Details of technologies selected for assessment/refinement | **:** | T1 – Farmers practice: No use of honey bees and insect attractants in Onion seed production.  T2 - Sowing of Mustard seed in Onion seed production Plot |
| **4** | Source of technology | **:** | DOGR, rajgurunagar, Kanda Bijotpadan Bulletin |
| **5** | Production system thematic area | **:** | Light –medium soils. Rainfed with seasonal irrigation availability. |
| **6** | Thematic area | **:** | Seed Production |
| **7** | Performance of the Technology with performance indicators | **:** | Increase in onion seed yield by 12 percent and 30 kg per hact B:C ratio (1:1.42) .More Honey bees & beneficial insects observed |
| **8** | Final recommendation for micro level situation | **:** | Farmers should sow the pollinator attractant crops in onion seed production field for quality and higher yield of onion seed. |
| **9** | Constraints identified and feedback for research | **:** | Low level of awareness among the farmers to sow the pollinator attractant crops in onion seed production. |
| **10** | Process of farmers participation and their reaction | **:** | As per the recommendation farmers were aware about the benefit of sowing attractant crops in the field of onion seed production plot. Given Mustard, carrot and maize seed for sowing. Accordingly farmers followed the guidelines and found the benefits and visually seen the pollinators like honey bees visiting the plots. Now farmers themselves had sown the pollinator attractant crops. |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop/ enterprise | Farming situation | Problem Diagnosed | Title  Of  OFT Assessment / Refinement | No. of trials | Technology Assessed/ refined | Parameters of assessment | Data on the parameter | Results of assessment / refined | Feedback from the farmer | Technology Assessed | \*Production per unit | Net Return (Profit) in Rs. / unit | BC Ratio |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Onion  Seed production | Irrigate | Low and poor quality seed production in Onion | Sowing of Mustard, carrot and maize seed in Onion seed production Plot for higher Seed yield | 08 | T1 – Farmers practice: No use of honey bees and insect attractants in Onion seed production. | 1.increase % yield in Onion seed production  2.B:C Ratio | 1.increase % yield in Onion seed production  2.B:C Ratio |  | - | - Sowing of Mustard, carrot and maize seed in Onion seed production Plot for higher Seed yield. | 18 Kg/ ha | 12500 | 1:1.21 |
| T2 - Sowing of Mustard,carrot and maize seed in Onion seed production Plot | 1.increase % yield in Onion seed production  2.B:C Ratio | 1.increase % yield in Onion seed production  2.B:C Ratio | 22.22%  1.42:1 | More Honey bees & beneficial insects observed | 22 Kg/ ha | 17500 | 1:1.42 |

**Trial 5**

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | Title | **:** | Spraying of 2% KNO3 at mustard size will increase the fruit set and retention of fruits in Mango. |
| **2** | Problem diagnose/defined | **:** | Fruit drop in mango after setting |
| **3** | Details of technologies selected for assessment/refinement | **:** | T1 –Farmers practice: Use of Organic Manure +  Mixed  fertilizer, No spray for fruit set and retention  T2 - Recommanded Dose of FYM+ Chemical Fertilizers +  Spraying of 2% KNO3 at mustard size |
| **4** | Source of technology | **:** | TNAU, Coimbtoore |
| **5** | Production system thematic area | **:** | Light –medium soils. Rainfed with seasonal irrigation availability. |
| **6** | Thematic area | **:** | INM |
| **7** | Performance of the Technology with performance indicators | **:** | Fruit retention of small mango fruits was increased also control the fruit drop under adverse conditions. |
| **8** | Final recommendation for micro level situation | **:** | Farmers must schedule 2 sprays of2% KNO3 at mustard size along with regular plant protection measures. |
| **9** | Constraints identified and feedback for research | **:** | Uneven 2/3 stages mango flowering found difficulty in spraying at proper stages causes adverse effect on earlier stages. |
| **10** | Process of farmers participation and their reaction | **:** | As per advise farmers are following the recommendations and schedule of flowering along with their regular plant protection measures. Due to adverse climate and water shortage it was difficult to control the problem at certain extend. Farmers found the treatment beneficial and fruit retention and control of fruit drop was observed. |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop/ enterprise | Farming situation | Problem Diagnosed | Title  Of  OFT Assessment / Refinement | No. of trials | Technology Assessed/ refined | Parameters of assessment | Data on the parameter | Results of assessment / refined | Feedback from the farmer | Technology Assessed | \*Production per unit | Net Return (Profit) in Rs. / unit | BC Ratio |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Mango | Irrigated | Fruit drop in mango after setting | Spraying of 2% KNO3 at mustard size will increase the fruit set and retention of fruits in Mango. | 05 | T1-Farmers practice: Use of Organic Manure + Mixed fertilizer, No spray for fruit set and retention | 1.Increase % yield in Mango  2. Av. Fruit retention  2.B: C Ratio | 1.Increase % yield in Mango  2. Av. Fruit retention  2.C: B Ratio | More fruit drop in initial stage. | more fruit drop at pea size stage due to adverse climate | Spraying of 2% KNO3 at mustard size will increase the fruit set and retention of fruits | 65-70 fruits per plant.  12-15 kg/plant | 60000 | 1: 1.40 |
| T2 -Recommended Dose of FYM+ Chemical Fertilizers + Spraying of 2% KNO3 at mustard size | 1.Increase % yield in Mango  2. Av. Fruit retentions  2.B: C Ratio | 1.Increase % yield in Mango  2. Av. Fruit retentions  2. C: B Ratio | 1. Minimize fruit drop and increase fruit retention. | Less fruit drop at pea size stage due to adverse climate | 90-100 fruits per plant.  18-20 kg/plant | 80000 | 1:1.53 |

**Trial 6**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Title of the Trial | : | To Check the B:C ratio with & without kid ration. |
|  | Objectives | : | 1. To study the differences in weight gain |
|  |  |  | 2. To compare the B:C ratio. |
|  | Thematic Area | : | Feed management |
|  | Problem | : | Financial inability for concentrate feeding of Poor Goat farmers. |
|  | Year of Start | : | 2015-16 |
|  | Intervention | : | To feed concentrate to Kids up-to 6 month age. |
|  | Treatments | : | T1 : Farmers Practice- No Concentrate feeding |
|  |  |  | T2 : Homemade Concentrate feed |
|  |  |  | T3 : Concentrate feeding |
|  | No. of Farmers | : | 10 |
|  | No. Of Animals | : | 10 in each trial |
|  | Amount Spend/Farmer | : | Rs. 720/- |
|  | Contribution of Demonstration | : | KVK-50 %, Farmer-50 % |
|  | Duration | : | Early Three month to Six month of age |
|  | Observations of Study | : | 1. Regular weight gain in kids – every month – 3-6 month |
|  |  |  | 2. Cost of Concentrate feeding, |
|  |  |  | 3. B:C ratio |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop/enterprise | Farming situation | Problem Diagnosed | Title of OFT Assessment/Refinement | No. of Trials | Technology Assessed/refined | Parameters of assessment | Data on the parameter | Results of assessment/refinment | Feedback from the farmers | Technology Assessed | Production per Unit | Net Return (Profit) in Rs./unit | CB Ratio |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Goat Kids | Free Grazing | Financial inability for concentrate feeding of Poor Goat farmers | To Check the B:C ratio with & without kid ration | 10 | T1 : Farmers Practice- No Concentrate feeding | 1. Regular weight gain in kids – every month – 3-6 month    2. Cost of Concentrate feeding  3. BC Ratio  3. B:C ratio | Average wt. (6th M) 5.5 Kg  -  - | Concentrate feeding to kids in 3-6th month of age are not showing significant results as seen in BC ratio. | Farmers are not getting the price from market which invested to feed concentrate. | No Use of Concentrate feed | Average wt. (6th M) 5.5 Kg | - | - |
| T2 : Homemade Concentrate feed | 1. Regular weight gain in kids – every month – 3-6 month    2. Cost of Concentrate feeding  3. BC Ratio | Average wt. (6th M) 6.3 Kg  Rs. 480/-  0.41 | Use of Home made Concentrate feed | Average wt. (6th M) 6.3 Kg | - | 0.41 |
| T3 : Concentrate feeding | 1. Regular weight gain in kids – every month – 3-6 month    2. Cost of Concentrate feeding  3. BC Ratio | Average wt. (6th M) 7.8 Kg  Rs. 660/-  0.87 | Use of Market Concentarate feed | Average wt. (6th M) 7.8 Kg | - | 0.87 |

**Trial 7**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Title of the Trial | : | To compare the Performance of Desi and Improved desi birds with its adaptation in backyard system. |
|  | Objectives | : | 1. To compare the B:C ratio |
|  |  |  | 2. Adoption of the breed |
|  | Thematic Area | : | Poultry Management |
|  | Problem Identified | : | Lack of Income generating activities to Small farmers |
|  | Micro farming Situation | : | Small & Marginal farmers depends on mostly daily wages and rainfed agriculture. |
|  | Year of Start | : | 2015-16 |
|  | Intervention | : | Rearing of Giriraja & Satpuda birds for 10 weeks age |
|  | Treatments | : | T1 - Farmers Practice - Rearing of Desi birds |
|  |  |  | T2  - Rearing of Giriraja birds |
|  |  |  | T3 - Rearing of Satpuda birds |
|  | No. of Farmers | : | 10 |
|  | No. of Birds | : | 50 in each trial |
|  | Amount spend for each  demonstration | : | Rs. 1500/- per farmer |
|  | Contribution of demonstration | : | KVK – 50 %, Farmers – 50 % |
|  | Duration | : | Early 10 weeks of age |
|  | Observations/Parameters of Study | : | 1. Weight gain. in 10 weeks |
|  |  |  | 1. Feed Conversion ratio |
|  |  |  | 1. B:C ratio, 4. Adaptability |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop/enterprise | Farming situation | Problem Diagnosed | Title of OFT Assessment/Refinement | No. of Trials | Technology Assessed/refined | Parameters of assessment | Data on the parameter | Results of assessment/refinment | Feedback from the farmers | Technology Assessed | Production per Unit | Net Return (Profit) in Rs./unit | CB Ratio |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| Poultry | Backyard Poultry | Lack of Income generating activities to Small farmers | To compare the Performance of Desi and Improved desi birds in backyard system. | 10 | T1 : Rearing of Desi birds | 1. Weight gain in 10 wks    2. % change in parameter  3. B:C ratio | Average wt. 523.66 gm  - | Giriraja birds given more weight gains in same rearing systems. | Farmers are happy by getting more weight gain in small period which leads to more profit. | Desi birds in backyard system | Average wt. 523.66 gm | - | - |
| T2 : Rearing of Giriraja birds | 1. Weight gain in 10 wks    2. % change in parameter | Average wt. 956.24 gm  81.21 | Giriraja birds in backyard system | Average wt. 956.24 gm | - | - |
| T3 : Rearing of Satpuda birds | 1. Weight gain in 10 wks    2. % change in parameter | Satpuda birds not available | - | - | - | - |

**Trial 8**

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | Title | : | : Introduction of Kissan Cooker |
| **2** | Problem diagnose | : | Drudgery for fire wood collection and time consuming process of cooking |
| **3** | Details of technologies selected for assessment | : | T1 – Farmers practice - Traditional practice cooking in normal utensils  T2- Technology assessed – Kissan Cooker |
| **4** | Source of technology | : | Dharwad University,Karnataka |
| **5** | Production system thematic area | : | Fuel saving |
| **6** | Thematic area | : | Gender Issues (Women & Child Care) |
| **7** | Performance of the Technology  with performance indicators | : | Results shows that  i) Time consumption is reduced to 35 min from 1.25 min.  ii) Fuel consumption for the same cooking is also reduced to 200 gm from 650 gm.  iii) Cost of fuel consumption is also reduced by 60% |
| **8** | Final recommendation for micro level situation | : | Kissan cooker shall be used as it reduces the fuel consumption and saves the time for cooking |
| **9** | Constraints identified and feedback for research | : | No mass production and hence not easily available in local market |
| **10** | Process of farmers participation and their reaction | : | In rural area cooking job is assigned only to the women and hence the group of 10 women in 5 village were selected. They were assigned to cook the food by kissan cooker & shows this to other women. They were happy as 2-3 food items were cooked at a time with no extra fuel consumption. Time is saved and food is nutritious . |

**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** | **Technology assessed** |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | 9 | 10 |  |
| Drudgery reduction | Trial conducted in rainfed tribal area. | Drudgery for fire wood collection and time consuming process of cooking | Introduction of Kissan Cooker | 10 | Farmers practice:  Traditional practice | i)Time required forcooking  (min)  ii)Fuel required for cooking(gm)  iii)Cost of fuel per Kg of food to be cooked(Rs) | | 1.20 min  650 gm  6 Rs.  . | i ) Time consumption is reduced to 35 min from 1.20 min  .  ii) Fuel consumption for the same cooking is also reduced to 200 gm from 650 gm  iii) Cost of fuel consumption is also reduced by 60% | As time is saved in cooking farm women were happy as they can perform the other work.    No need to sit in a smoke kitchen for more time. |  |
| Technology assessed: T1+Nutrition rich weaning food  Fingermillet(50%)+Groundnut powder(15%)+Bengalgram dal flour (10%)+Sugar(15%)+Fat(10%) | i)Time required forcooking  (min)  ii)Fuel required for cooking(gm)  iii)Cost of fuel per Kg of food to be cooked(Rs | | 35min.  200 gm  2.5 Rs. | Kissan Cooker |
|  |  | |  |  |  |

Trial 9

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | Title | : | Assessing low cost weaning food technology for combating mal nutrition in tribal toddler |
| **2** | Problem diagnose | : | Under nourishment/malnourishment of infants, toddler & women in rural due to lack of iron, calcium, protein rich food |
| **3** | Details of technologies selected for assessment | : | T1 – Farmers practice – Regular diet  T2- Technology assessed – T1+Nutrition rich weaning food mixture (Wheat (25%)+ Moong (12%)+ Sesame (13%) + Sugar (25%)+ Oil(25%)  daily 100gm for 3 months |
| **4** | Source of technology | : | M.A.U.Parbhani |
| **5** | Production system thematic area | : | women & child nutrition |
| **6** | Thematic area | : | Gender Issues (women & child nutrition) |
| **7** | Performance of the Technology  with performance indicators | : | Results shows that weight of mal nutrition toddler weight was increase 9.72% compared to the weight gain by children used traditional diet. |
| **8** | Final recommendation for micro level situation | : | Such high nutritious & low cost weaning food shall be provided to all the toddler in tribal areas |
| **9** | Constraints identified and feedback for research | : | Less awareness, illiteracy, low income of family |
| **10** | Process of farmers participation and their reaction | : | Selected after the discussion with ICDS (Zilla Parishad) Nashik as malnourishment was more particularly in tribal area.  Malnourishment can be reduced by the easily available local food with mear extra cost & easy preparation method. The women by their selves prepared the food after training being provided by the KVK & included in their regular diet. |

**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** | **Technology assessed** |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |  |
| women & child nutrition | Trial conducted in high rainfall rainfed tribal area | Under nourishment/malnourishment of infants, toddler & women in rural due to lack of iron, calcium, protein rich food | Assessing low cost weaning food technology for combating mal nutrition in tribal toddle | 20 | Farmers practice – Regular diet | i)Initial Wt(Kg)  ii)Final Wt (Kg) | 8.239  8.631 | weight of mal nutrition toddler weight was increase 9.72% compared to the weight gain by other one | The constitute food material for the preparation the weaning food is locally available, Also the preparations are very easy. |  |
| Technology assessed – T1+Nutrition rich weaning food mixture (Wheat (25%)+ Moong (12%)+ Sesame (13%) + Sugar (25%)+ Oil(25%)  daily 100gm for 3 months | i)Initial Wt(Kg)  ii)Final Wt (Kg) | 8.239  9.040 | Nutrition rich weaning foodFingermillet(50%)+Groundnutpowder(15%)+Bengalgramdal(10%)Sugar(15%)+Fat(10%) |

**3.2 Achievements of Frontline Demonstrations**

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

List of technologies demonstrated during previous year and popularized during 2014-15 and recommended for large scale adoption in the district

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S. No** | **Crop / Enterprise** | **Thematic Area** | **Technology demonstrated** | **Details of popularization methods suggested to the Extension system** | Horizontal spread of technology | | |
| **No. of villages** | **No. of farmers** | **Area in ha** |
| 1 | Paddy | Integrated Nutrient Management | INM | Front line demonstration | 01 | 20 | 4.0 |
| 2 | Soybean | Seed Production | KDS-344 + Bio-fertilizer | Front line demonstration | 01 | 25 | 10 |
| 3 | Finger millet | Integrated Nutrient Management | STCR base fertilizer application | Front line demonstration | 01 | 21 | 4.0 |
| 4 | Paddy | Integrated Nutrient Management | STCR base fertilizer application | Front line demonstration | 01 | 27 | 5.0 |
| 5 | Onion | Crop Production | Agrifound Light Red | Front line demonstration | 01 | 20 | 02 |
| 6 | Garlic | Crop Production | Phule Nileema | Front line demonstration | 02 | 12 | 0.4 |
| 7 | Potato as intercrop in Sugarcane | Crop Production | Kufri Phukharaj | Front line demonstration | 01 | 01 | 0.8 |

b. Details of FLDs implemented during 2014-15 (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Crop** | **Thematic area** | **Technology Demonstrated** | **Season and year** | **Area (ha)** | | **No. of farmers/**  **demonstration** | | | **Reasons for shortfall in achievement** |
| **Proposed** | **Actual** | **SC/ ST** | **Others** | **Total** |
|  | **Cereals** |  |  |  |  |  |  |  |  |  |
| 1 | Paddy | Integrated Nutrient Management | INM | Kharif -2015 | 4.0 | 4.0 | 20 | - | 20 | - |
| 2 | Finger millet | Integrated Nutrient Management | STCR base fertilizer application | Kharif-2015 | 4.0 | 4.0 | 21 | - | 21 | - |
| 3 | Paddy | Integrated Nutrient Management | STCR base fertilizer application | Kharif-2015 | 5.0 | 5.0 | 27 | - | 27 | - |
|  | **Oilseed** |  |  |  |  |  |  |  |  |  |
| 1 | Soybean | Seed Production | KDS-344 Variety | Kharif -2015 | 10 | 10 | - | 25 | 25 | - |
|  | **Horticulture** |  |  |  |  |  |  |  |  |  |
| 1 | Onion | Crop Production | Variety | Rabi 2015 | 02 | 02 | 20 | 00 | 20 | - |
| 2 | Garlic | Crop Production | Variety | Rabi 2015 | 0.4 | 0.4 | 10 | 02 | 12 | - |
| 3 | Potato as intercrop in Sugarcane | Crop Production | Variety | Rabi 2015 | 1 | 0.8 | 01 | 00 | 01 | - |

**Details of farming situation**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop** | **Season** | **Farming situation (RF/Irrigated)** | **Soil type** | **Status of soil** | | | **Previous crop** | **Sowing date** | **Harvest date** | **Seasonal rainfall (mm)** | **No. of rainy days** |
| **N** | **P** | **K** |
| **Cereals** |  |  |  |  |  |  |  |  |  |  |  |
| Paddy | Kharif -2015 | Rainfed | Medium to Light | Low | Low | Medium | Fallow | Second week of July | First week of Nov. |  |  |
| Finger millet | Kharif-2015 | Rainfed | Medium to Light | Low | Low | High | Fallow | Second week of July | Second week of Nov |  |  |
| Paddy | Kharif-2015 | Rainfed | Medium to Light | Low | Low | High | Fallow | Second week of July | Second week of Nov |  |  |
| **Oilseeds** |  |  |  |  |  |  |  |  |  |  |  |
| Soybean | Kharif -2015 | Rainfed | Medium heavy to Medium Light | Low | Low | Medium | Fallow | Second week of July | First week of Nov. |  |  |
| **Horticultural crops** |  |  |  |  |  |  |  |  |  |  |  |
| Onion | Rabi 2015 | Irrigated | Medium heavy to Medium Light | Low | Medium | Medium | Tomato, Cauliflower | Second week of Nov. | Last week of March | - | - |
| Garlic | Rabi 2015 | Irrigated | Medium heavy to Medium Light | Low | Medium | Medium | Vegetables,Rice | Second week of Oct. | Last week of March | - | - |
| Potato as intercrop in Sugarcane | Rabi 2015 | Irrigated | Medium heavy to Medium Light | Low | Medium | Medium | Rice | Second week of Dec | Second week of March | - | - |

**Performance of FLD**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Crop** | **Technology Demon**  **started** | **Variety** | **No. of Farmers** | **Area (ha.)** | **Demo. Yield Qtl/ ha** | | | **Yield of local**  **Check**  **Qtl./ha** | **Increase in yield (%)** | **Data on parameter in relation to technology demonstrated** | |
| **H** | **L** | **A** | **Demo** | **Local** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** |
|  | **Cereals** | | | | | | | | | | | |
| 01 | Paddy | INM | - | 20 | 4.0 | 24.50 | 15.40 | 21.55 | 15.80 | 36.39 | Average yield- 21.55 | Average yield- 15.30 |
| 02 | Finger millet | STCR base fertilizer application | Phule Nachani | 21 | 4.0 | 26.21 | 11.2 | 17.52 | 11.20 | 60.36 | Average yield-17.52 | Average yield-11.20 |
| 03 | Paddy | STCR base fertilizer application | Indrayani | 27 | 5.0 | 18.00 | 10.25 | 14.44 | 10.20 | 47.63 | Average yield-14.44 | Average yield-10.20 |
|  | **Oilseed** | | | | | | | | | | | |
| 01 | Soybean | Variety | KDS-344 | 25 | 10 | 20.10 | 11.50 | 17.32 | 11.60 | 49.31 | 1. No of branches /plant – 5.2  2. No of pods/ plant – 48 | 1. No of branches – 3.4  2. No of pods/ plant – 32 |
|  | **Horticultural crops** | | | | | | | | | | | |
| 01 | Onion | Variety | Agrifound Light Red | 20 | 02 | 270 | 155 | 185 | 170 | 8.82 | Light red, Rounded shape  Medium to big size=150-200gm  Average Yield= 185 qtl/ha  joint onions= 1%  T.S.S. =14%  Days for maturity -135 | Light red with flatted shape  Medium to small size=125-130gm  Average Yield= 170 qtl/ha  Joint onions= 5-6%  T.S.S. =12%  Days for maturity -130 |
| 02 | Garlic | Variety | Phule Nileema | 12 | 0.4 | 100 | 55 | 78 | 62 | 25.80 | Attractive violet colour bulbs  Big size bulbs=25-30 gm  Average Yield= 78 qtl/ha  Higher pungency | Light violet colour  Small size=15-20 gm  Average Yield= 62 qtl/ha  Low pungency |
| 03 | Potato as intercrop in Sugarcane | Variety | Kufri Phukharaj | 01 | 0.8 | 80 | 75 | 76 | 65 | 16.92 | Potato as sole crop  1. Yield/ ha. = 65 qt/ha  2. Cost of cultivation =17000/-  3. Gross income=52000  4.Net income =23000  3.B:C ratio=1:1.35 | 1. Yield/ ha.(Potato) =76 qt/ha  (Sugarcane) expect=600 qt/ha  2. Cost of cultivation (potato+Sugarcane) =45000  3. Gross income=1,76000/-  4.Net income =131000  3.B:C ratio=1:2.91 |

**Economic Impact (continuation of previous table)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Average Cost of cultivation (Rs./ha)** | | **Average Gross Return (Rs./ha)** | | **Average Net Return (Profit) (Rs./ha)** | | **Benefit-Cost Ratio (Gross Return / Gross Cost)** |
| **Demonstration** | **Local Check** | **Demonstration** | **Local Check** | **Demonstration** | **Local Check** |
| **14** | **15** | **16** | **17** | **18** | **19** | **20** |
| **Cereals** |  |  |  |  |  |  |
| 20260 | 19350 | 51720 | 37920 | 31460 | 18570 | 2.55:1 |
| 26956 | 21604 | 35054 | 22409 | 8098 | 805 | 1.30:1.04 |
| 22016 | 16817 | 27444 | 19380 | 5428 | 2563 | 1.25:1.15 |
| **Oilseed** |  |  |  |  |  |  |
| 22850 | 21460 | 48496 | 32480 | 25646 | 11020 | 2.12:1 |
| **Horticultural crops** |  |  |  |  |  |  |
| 75500 | 65000 | 125000 | 95000 | 30500 | 20500 | 1.40:1 |
| 55000 | 45000 | 85500 | 62000 | 29500 | 17000 | 1.53:1 |
| 45000 | 17000 | 176000 | 40000 | 131000 | 23000 | 2.91:1 |

Paddy Market Rate: Rs. 2400/qt

Soybean Market Rate: Rs. 2800/qt

Analytical Review of component demonstrations (details of each component for rainfed / irrigated

situations to be given separately for each season).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Crop** | **Season** | **Component** | **Farming situation** | **Average yield (q/ha)** | **Local check (q/ha)** | **Percentage increase in productivity over local check** |
| Finger millet (STCR) | Kharif | Urea,SSP&MOP | Rainfed | 17.52 | 11.20 | 60.36 |
| Paddy (STCR) | Kharif | Urea,SSP&MOP | Rainfed | 14.44 | 10.20 | 47.63 |
| Soybean | Kharif | 1. Seed/Variety   KDS-344 | Rainfed | 17.32 | 11.60 | 49.31 |
| Onion | Rabi | Seed Variety-  Agri Found Light Red | Irrigated | 185 | 170 | 8.82 |
| Garlic | Rabi | Seed Variety-  Phule Nileema | Irrigated | 78 | 62 | 25.80 |
| Potato as intercrop in Sugarcane | Rabi | Seed Variety- Kufri Phukharaj | Irrigated | 76 | 65 | 16.92 |

Technical Feedback on the demonstrated technologies

|  |  |
| --- | --- |
| **S. No** | **Feed Back** |
| 1. Soybean | 1. KDS-344 is high yielding variety with 105-110 duration 2. Yield of this variety is 25-30 qt/ha. |
| 2. Paddy | 1. Reuse of crop waste- Paddy Ash- 1kg per square meter to nursery beds gives stronger growth of plants  2. Use of Gliricidia –3 ton/ha. as a green manuring maintains good soil health.  3. Controlled planting – Spacing- 15-25Χ15-25 cm convenient for intercultural operation  4. Use of Urea-DAP(60:40) Brickets-170 Kg/ha enhances the yield. |
| 3. Onion | 1.Good attractive colour  2.Big bulb sizeHigh  3. Higher yield  4. Low % of joint onion |
| 4. Garlic | 1.Good attractive colour   1. Big bulb size 2. High pungency |
| 5. Potato | 1. Big size 2. High yield. |

Farmers’ reactions on specific technologies

|  |  |
| --- | --- |
| **Sr. No.** | **Feed Back** |
| Paddy | Four fold technology enhances the yield but it requires more labour at the time of transplanting. |
| Finger millet (STCR) | Increased Yield by soil test based fertilizer application. |
| Paddy (STCR) | Increased Yield by MOP application. |
| Soybean | KDS-344 variety had delayed maturity.  The seed produced having cracking husk. |
| Onion | Average size is good but % of small bulbs is more. Higher yield compare to local available seed. |
| Garlic | Big Clove Size, Attractive Pink color, Higher in yield compare to local Variety. |
| Potato | Average size is good. Good attractive skin, |

**Extension and Training activities under FLD**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Activity** | **No. of activities organised** | **Date** | **Number of participants** | **Remarks** |
| 1 | Field days |  |  |  |  |
|  | Soybean day | 01 | 06.09.2015 | 46 | - |
|  | Paddy Day | 01 | 28.10.2015 | 51 |  |
|  | Finger millet (STCR) | 01 | 06.10.15 | 75 | - |
|  | Paddy (STCR) | 01 | 06.10.15 | 25 | - |
|  | Garlic day | 01 | 29.03.2016 | 16 | - |
|  | Onion day | 01 | 29.03.2016 | 25 | - |
|  | Potato Day | 01 | 21.03.2015 | 20 |  |
| 2 | Farmers Training |  |  | 128 |  |
|  | Soybean | 02 | 26.05.2015  26.08.2015 | 22  21 |  |
|  | Paddy | 02 | 23.06.2015  05.08.2015 | 21  19 |  |
|  | Training on STCR Trial for practicing farmers | 01 | 09.07.15 | 48 | - |
| 3 | Media coverage | 32 |  |  |  |
|  | Newspaper Coverage | 02 | 23.07.2015  26.08.2015  20.07.2015 | - |  |
|  | Radio Talk | 02 | 28.05.2015  05.08.2015 | - |  |
| 4 | Training for extension functionaries |  |  |  |  |
| 5 | Method demonstrations | 06 | 24.06.15 | 20 | - |
|  |  |  | 21.07.15 | 20 | - |
|  |  |  | 28.07.15 | 50 | - |
|  |  |  | 06.11.15 | 15 | - |
|  |  |  | 07.11.15 | 10 | - |
|  |  |  | 18.11.15 | 15 | - |

**c. Details of FLD on Enterprises**

1. **Farm Implements**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Season | Crop Cat | Crop | Cat.of imple. | Name of the imple. | Name of operation | No. of Farmer | Area,(ha) | Perf. Indicat | Units | Dem. | Local check | % change |
| 2015-16 | Kharif | oilseed | S. bean | Sowing | T/D seeder Ferti-drill | sowing & fertilizer appl | 10 | 4 | Lab | Nos. | 2.00 | 3.00 | 33 |
|  |  |  |  |  |  |  |  |  | Time | ha/d | 2.20 | 0.49 | 78 |
|  |  |  |  |  |  |  |  |  | Cost | Rs./ha | 1690 | 1724.49 | 2 |
| 2015-16 | Kharif | oilseed | Gnut | planting | B/D planter /ferti-drill | sowing & fertilizer appl | 5 | 2 | Lab | Nos. | 2.00 | 3.00 | 33 |
|  |  |  |  |  |  |  |  |  | Time | ha/d | 1.45 | 0.45 | 69 |
|  |  |  |  |  |  |  |  |  | Cost | Rs./ha | 837. | 1166.67 | 28 |
| 2015-16 | Kharif | oilseed | Gnut | Threshing | Gnut decorticator | Pod shelling | 6 | 100kg | Lab | Nos. | 2.00 | 2.00 | \* (0) |
|  |  |  |  |  |  |  |  |  | Time | kg/hr | 52.00 | 19.00 | 63 |
|  |  |  |  |  |  |  |  |  | Cost | Rs./Qtl | 57.69 | 131.58 | 56 |
| 2015-16 | Rabi | Cereals | wheat | sowing | T/D seeder Ferti-drill | sowing, fertilizer appln | 2 | 2 | Lab | Nos. | 2.00 | 3.00 | 33 |
|  |  |  |  |  |  |  |  |  | Time | ha/d | 2.60 | 0.60 | 77 |
|  |  |  |  |  |  |  |  |  | Cost | Rs./ha | 1676 | 1500.00 | \* (-12) |
| 2015-16 | Rabi | pulses | B.gram | sowing | T/D seeder Ferti-drill | sowing, fertilizer appln | 2 | 2 | Lab | Nos. | 2.00 | 3.00 | 33 |
|  |  |  |  |  |  |  |  |  | Time | ha/d | 1.80 | 0.45 | 75 |
|  |  |  |  |  |  |  |  |  | Cost | Rs./ha | 1711 | 1500.00 | \*(-14) |

|  |  |
| --- | --- |
| \* | 0 or ( - ve ) % change indicates the no change or slightly higher cost of operation in the demo. However, mechanization resulted in time and labour saving in the operation |
| 1 | Labour charges for ordinary works @100 Rspd & skilledl works @150 Rspd |
| 2 | Tractor implements hiring @1600Rs/ha & bullock charges @500Rs/ha |
| 3 | cost of the implement not included & only operational and maintenance cost 20% |

**Feedback on improved implements**

|  |  |
| --- | --- |
| T/D fluted roller seed drill | * The machine quality is very poor, old and is rusted one, fluted rollers were broken due to manufacturing defects. Jammed fluted roller resulted frequent breakage of connecting chain. Machine is too old & is now out of service & due for replacement. |
| B/D inclined plate planter | * Good for g nut, soybean, etc. for lighter soils & in particular for Kharif. |
| Groundnut decorticator | * Decorticator is good and efficient; suitable for individual farmer. Possibility changeable different aperture size sieves for different g’nut varieties may be helpful. Being used through the self-help group. (manual) |
| CRIDA Groundnut Stripper | * Machine is good But small, patchy and scattered area limits personal ownership. Response to popularize the custom hiring was not encouraging. * Secondly, local customs of manual contractual methods performs both harvesting and stripping operations. |
| Grain Cleaner cum Grader | * Machine is too old & due for replacement. * Motorized unit is more suitable. In use for soybean, maize, gram, and wheat. Machine being small response for custom hiring was not encouraging. |
| T/D Multicrop planter | * Machine is too old & due for replacement. * Multiple Seed & Fertilizer metering devices are of engg plastic & are easy to change. Constraint: Repairs maintenance & spares not available locally |
| Propose activity for paddy | * Vertical conveyor reaper, Paddy thresher, Mini rice mill. KVK has identified range of paddy implements to be taken under TSP for time cost and labour saving. Being used in paddy, wheat Other such entrepreneurs are being identified to up-scale the services. |
| Up scaling Agril. Mech with group activity | * KVK tried concept of custom hiring across the section of small, medium and big farmer. KVK tried to upscale some of the implements through RKVY. |

**(ii) Livestock Enterprises**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enterprise | Breed | No. of farmers | No. of animals, poultry birds etc. | Performance parameters /  indicators | Data on parameter in relation to technology demonstrated | | % change in the parameter | Remarks |
| Demon. | Local check |
| Poultry | Giriraja | 40 | 399 | Avg. initial weight (Age 25 days) | * 1. gm | 86 gm | - | 1. No supplementary feed given to birds  2. The comparisons were calculated with final results |
| Avg. Final weight (Age 3 months) | 1214.14 gm | 612.56 gm | 98.20 |
| Goat | Osmanabadi (Male) | 02 | 02 | Avg. weight (Age 12 month) | 17.32 Kg | 12.24 Kg | 41.50 | 1. Goats were reared in free range system.  2.The comparisons were calculated with final results |
| Saaf Kit | HF Cows | 30 | 30 | Percentage of CMT | 2.62 | 31.36 |  | High yielding HF cows |
| Milk yield in cows (lit.) | 2046 | 1411 | 45.00 |
| Cost for the Treatment (Rs.) | 398/- | 2084/- |  |
| Fodder | Jaywant | 06 | 450 | Yield (ql./ha) | 1518 | 872 | 74.08 | Farmers are accepting the variety and widely spreading the same |

**(iii) Other Enterprises**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Enterprise | Variety/ breed/Species/others | No. of farmers | No. of Units | Performance parameters /  indicators | Data on parameter in relation to technology demonstrated | | % change in the parameter | Remarks |
| Demon. | Local check |
| Cono weeder | Cono weeder | 10 | 10 | Area covered by weeding /day | 0.5 ha | 0.2 ha | 150 % more area covered than traditional tool  83.89% saving in cost & labor than traditional method | Cono weeder easy to operate, faster in operation.  Moreover, it is good drudgery reducing tool |
| Cost of operation Rs/ha | 950 | 5900 |
| Man days/ha | 6 | 36 |
| Super grain bags | Super grain bags | 25 | 25 | Percentage of grain damage | 4% | 26% | Reducing 84 % of grain damages | Increasing shelf life of grains |
| Shelf life of grain | Increase | Decrease |  |  |

* 1. **Achievements on Training (Including the sponsored, vocational, FLD and trainings under Rainwater Harvesting Unit) :**
  2. **ON Campus**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic area** | **No. of courses** | **Participants** | | | | | | | | |
| **SC/ST** | | | **Others** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **(A) Farmers & Farm Women** |  |  |  |  |  |  |  |  |  |  |
| **I Crop Production** |  |  |  |  |  |  |  |  |  |  |
| Weed Management |  |  |  |  |  |  |  |  |  |  |
| Resource Conservation Technologies |  |  |  |  |  |  |  |  |  |  |
| Cropping Systems |  |  |  |  |  |  |  |  |  |  |
| Crop Diversification |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  |  |  |  |  |  |
| Water management |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management |  |  |  |  |  |  |  |  |  |  |
| Fodder production |  |  |  |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |
| **II Horticulture** |  |  |  |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  |  |  |  |  |
| Production of low volume and high value crops |  |  |  |  |  |  |  |  |  |  |
| Off-season vegetables |  |  |  |  |  |  |  |  |  |  |
| Nursery raising |  |  |  |  |  |  |  |  |  |  |
| Exotic vegetables like Broccoli | 1 | 3 | - | 3 | 18 | - | 18 | 21 | - | 21 |
| Export potential vegetables | 1 | - | - | - | 12 | - | 12 | 12 | - | 12 |
| Grading and standardization |  |  |  |  |  |  |  |  |  |  |
| Protective cultivation (Green Houses, Shade Net etc.) | 2 | 3 | - | 3 | 45 | 4 | 49 | 48 | 4 | 52 |
| **b) Fruits** |  |  |  |  |  |  |  |  |  |  |
| Training and Pruning |  |  |  |  |  |  |  |  |  |  |
| Layout and Management of Orchards |  |  |  |  |  |  |  |  |  |  |
| Cultivation of Fruit | 1 | 7 | - | 7 | 9 | - | 9 | 16 | - | 16 |
| Management of young plants/orchards |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  |  |  |  |  |
| Plant propagation techniques |  |  |  |  |  |  |  |  |  |  |
| **c) Ornamental Plants** |  |  |  |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| **e) Tuber crops** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| **f) Spices** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Production and management technology |  |  |  |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  |  |  |  |  |  |  |  |
| **III Soil Health and Fertility Management** |  |  |  |  |  |  |  |  |  |  |
| Soil fertility management |  |  |  |  |  |  |  |  |  |  |
| Soil and Water Conservation |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management |  |  |  |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Management of Problematic soils |  |  |  |  |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  |  |  |  |  |  |  |
| Nutrient Use Efficiency |  |  |  |  |  |  |  |  |  |  |
| Soil and Water Testing |  |  |  |  |  |  |  |  |  |  |
| **IV Livestock Production and Management** |  |  |  |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  |  |  |  |  |
| Poultry Management |  |  |  |  |  |  |  |  |  |  |
| Piggery Management |  |  |  |  |  |  |  |  |  |  |
| Rabbit Management |  |  |  |  |  |  |  |  |  |  |
| Disease Management |  |  |  |  |  |  |  |  |  |  |
| Feed management |  |  |  |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **V Home Science/Women empowerment** |  |  |  |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening |  |  |  |  |  |  |  |  |  |  |
| Design and development of low/minimum cost diet |  |  |  |  |  |  |  |  |  |  |
| Designing and development for high nutrient efficiency diet |  |  |  |  |  |  |  |  |  |  |
| Minimization of nutrient loss in processing |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |
| Storage loss minimization techniques |  |  |  |  |  |  |  |  |  |  |
| Value addition | 2 | - | 36 | 36 | - | 47 | 47 | - | 83 | 83 |
| Income generation activities for empowerment of rural Women |  |  |  |  |  |  |  |  |  |  |
| Location specific drudgery reduction technologies |  |  |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |
| Women and child care |  |  |  |  |  |  |  |  |  |  |
| **VI Agril. Engineering** |  |  |  |  |  |  |  |  |  |  |
| Installation and maintenance of micro irrigation systems |  |  |  |  |  |  |  |  |  |  |
| Use of Plastics in farming practices |  |  |  |  |  |  |  |  |  |  |
| Production of small tools and implements |  |  |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |
| Small scale processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **VII Plant Protection** |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Disease Management |  |  |  |  |  |  |  |  |  |  |
| Bio-control of pests and diseases |  |  |  |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  |  |  |  |  |  |  |  |  |
| **VIII Fisheries** |  |  |  |  |  |  |  |  |  |  |
| Integrated fish farming |  |  |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management |  |  |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  |  |  |  |  |  |  |  |
| **IX Production of Inputs at site** |  |  |  |  |  |  |  |  |  |  |
| Seed Production |  |  |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  |  |  |  |  |  |  |  |
| Bio-fertilizer production |  |  |  |  |  |  |  |  |  |  |
| Vermi-compost production |  |  |  |  |  |  |  |  |  |  |
| Organic manures production |  |  |  |  |  |  |  |  |  |  |
| Production of fry and fingerlings |  |  |  |  |  |  |  |  |  |  |
| Production of Bee-colonies and wax sheets |  |  |  |  |  |  |  |  |  |  |
| Small tools and implements |  |  |  |  |  |  |  |  |  |  |
| Production of livestock feed and fodder |  |  |  |  |  |  |  |  |  |  |
| Production of Fish feed |  |  |  |  |  |  |  |  |  |  |
| **X Capacity Building and Group Dynamics** |  |  |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths |  |  |  |  |  |  |  |  |  |  |
| WTO and IPR issues |  |  |  |  |  |  |  |  |  |  |
| **XI Agro-forestry** |  |  |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **7** | **13** | **36** | **49** | **84** | **51** | **135** | **97** | **87** | **184** |
| **(B) RURAL YOUTH** |  |  |  |  |  |  |  |  |  |  |
| Mushroom Production |  |  |  |  |  |  |  |  |  |  |
| Bee-keeping |  |  |  |  |  |  |  |  |  |  |
| Integrated farming |  |  |  |  |  |  |  |  |  |  |
| Seed production | 1 | 5 | 3 | 8 | 16 | 9 | 25 | 21 | 12 | 33 |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  |  |  |  |  |  |
| Vermi-culture |  |  |  |  |  |  |  |  |  |  |
| Sericulture |  |  |  |  |  |  |  |  |  |  |
| Protected cultivation of vegetable crops | 3 | 82 | 2 | 84 | 10 | - | 10 | 92 | 2 | 94 |
| Commercial fruit production |  |  |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |
| Nursery Management of Horticulture crops | 1 | 8 | - | 8 | 14 | - | 14 | 22 | - | 22 |
| Training and pruning of orchards |  |  |  |  |  |  |  |  |  |  |
| Value addition | 4 | 27 | 22 | 49 | 0 | 0 | 0 | 27 | 22 | 49 |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |
| Dairying |  |  |  |  |  |  |  |  |  |  |
| Sheep and goat rearing |  |  |  |  |  |  |  |  |  |  |
| Quail farming |  |  |  |  |  |  |  |  |  |  |
| Piggery |  |  |  |  |  |  |  |  |  |  |
| Rabbit farming |  |  |  |  |  |  |  |  |  |  |
| Poultry production |  |  |  |  |  |  |  |  |  |  |
| Ornamental fisheries |  |  |  |  |  |  |  |  |  |  |
| Para vets |  |  |  |  |  |  |  |  |  |  |
| Para extension workers | 2 | 22 | 12 | 34 | - | 4 | 4 | 22 | 16 | 38 |
| Composite fish culture |  |  |  |  |  |  |  |  |  |  |
| Freshwater prawn culture |  |  |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |  |  |
| Cold water fisheries |  |  |  |  |  |  |  |  |  |  |
| Fish harvest and processing technology |  |  |  |  |  |  |  |  |  |  |
| Fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |
| Small scale processing |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |
| Tailoring and Stitching |  |  |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **11** | **144** | **39** | **183** | **40** | **13** | **53** | **184** | **52** | **236** |
|  |  |  |  |  |  |  |  |  |  |  |
| **(C) Extension Personnel** |  |  |  |  |  |  |  |  |  |  |
| Productivity enhancement in field crops |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient management |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |
| Protected cultivation technology |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |
| Group Dynamics and farmers organization |  |  |  |  |  |  |  |  |  |  |
| Information networking among farmers |  |  |  |  |  |  |  |  |  |  |
| Capacity building for ICT application |  |  |  |  |  |  |  |  |  |  |
| Care and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |
| WTO and IPR issues |  |  |  |  |  |  |  |  |  |  |
| Management in farm animals |  |  |  |  |  |  |  |  |  |  |
| Livestock feed and fodder production |  |  |  |  |  |  |  |  |  |  |
| Household food security | 1 | - | 32 | 32 | - | 11 | 11 | - | 43 | 43 |
| Women and Child care |  |  |  |  |  |  |  |  |  |  |
| Low cost and nutrient efficient diet designing |  |  |  |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |
| SREP | 1 | 11 | - | 11 | - | - | - | 11 | - | 11 |
| **TOTAL** | **2** | **11** | **32** | **43** | **0** | **11** | **11** | **11** | **43** | **54** |

**OFF Campus**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic area** | **No. of courses** | **Participants** | | | | | | | | |
| **SC/ST** | | | **Others** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **(A) Farmers & Farm Women** |  |  |  |  |  |  |  |  |  |  |
| **I Crop Production** |  |  |  |  |  |  |  |  |  |  |
| Weed Management | 1 | - | - | - | 21 | - | 21 | 21 | - | 21 |
| Resource Conservation Technologies | 1 | 12 | - | 12 | 25 | 4 | 29 | 37 | 4 | 41 |
| Cropping Systems |  |  |  |  |  |  |  |  |  |  |
| Crop Diversification |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming | 2 | 56 | 22 | 78 | - | - | - | 56 | 22 | 78 |
| Water management |  |  |  |  |  |  |  |  |  |  |
| Seed production | 1 | - | - | - | 21 | 2 | 23 | 21 | 2 | 23 |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management | 7 | 70 | 32 | 102 | 73 | 12 | 85 | 143 | 44 | 187 |
| Fodder production | 1 | - | - | - | 24 | 1 | 25 | 24 | 1 | 25 |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |
| **II Horticulture** |  |  |  |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  |  |  |  |  |
| Production of low volume and high value crops |  |  |  |  |  |  |  |  |  |  |
| Off-season vegetables |  |  |  |  |  |  |  |  |  |  |
| Nursery raising |  |  |  |  |  |  |  |  |  |  |
| Exotic vegetables like Broccoli |  |  |  |  |  |  |  |  |  |  |
| Export potential vegetables |  |  |  |  |  |  |  |  |  |  |
| Grading and standardization |  |  |  |  |  |  |  |  |  |  |
| Protective cultivation (Green Houses, Shade Net etc.) |  |  |  |  |  |  |  |  |  |  |
| **b) Fruits** |  |  |  |  |  |  |  |  |  |  |
| Training and Pruning |  |  |  |  |  |  |  |  |  |  |
| Layout and Management of Orchards |  |  |  |  |  |  |  |  |  |  |
| Cultivation of Fruit | 6 | 57 | 11 | 68 | 165 | - | 165 | 222 | 11 | 233 |
| Management of young plants/orchards |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  |  |  |  |  |
| Plant propagation techniques |  |  |  |  |  |  |  |  |  |  |
| **c) Ornamental Plants** |  |  |  |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| **e) Tuber crops** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| **f) Spices** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Production and management technology |  |  |  |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  |  |  |  |  |  |  |  |
| **III Soil Health and Fertility Management** |  |  |  |  |  |  |  |  |  |  |
| Soil fertility management |  |  |  |  |  |  |  |  |  |  |
| Soil and Water Conservation |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management | 5 | 42 | 5 | 47 | 91 | 10 | 101 | 133 | 15 | 148 |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Management of Problematic soils |  |  |  |  |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  |  |  |  |  |  |  |
| Nutrient Use Efficiency |  |  |  |  |  |  |  |  |  |  |
| Soil and Water Testing |  |  |  |  |  |  |  |  |  |  |
| **IV Livestock Production and Management** |  |  |  |  |  |  |  |  |  |  |
| Dairy Management | 6 | 48 | 49 | 97 | 25 | 11 | 36 | 73 | 60 | 133 |
| Poultry Management | 02 | 28 | 30 | 58 |  | - | - | 28 | 3 | 58 |
| Piggery Management |  |  |  |  |  |  |  |  |  |  |
| Rabbit Management |  |  |  |  |  |  |  |  |  |  |
| Disease Management |  |  |  |  |  |  |  |  |  |  |
| Feed management | 6 | 42 | 26 | 68 | 35 | 13 | 48 | 77 | 39 | 116 |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |
| Goat Farming | 3 | 19 | 22 | 41 | 16 | 33 | 49 | 35 | 55 | 90 |
| **V Home Science/Women empowerment** |  |  |  |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening |  |  |  |  |  |  |  |  |  |  |
| Design and development of low/minimum cost diet |  |  |  |  |  |  |  |  |  |  |
| Designing and development for high nutrient efficiency diet | 1 | - | 15 | 15 | - | 7 | 7 | - | 22 | 22 |
| Minimization of nutrient loss in processing |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |
| Storage loss minimization techniques |  |  |  |  |  |  |  |  |  |  |
| Value addition | 8 | 23 | 208 | 231 | 31 | 45 | 76 | 50 | 257 | 307 |
| Income generation activities for empowerment of rural Women | 3 | - | 34 | 34 | 11 | 3 | 14 | 11 | 37 | 48 |
| Location specific drudgery reduction technologies | 4 | 5 | 63 | 68 | - | 13 | 13 | 7 | 76 | 83 |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |
| Women and child care | 3 | - | 53 | 53 | - | 2 | 2 | - | 55 | 55 |
| **VI Agril. Engineering** |  |  |  |  |  |  |  |  |  |  |
| Installation and maintenance of micro irrigation systems |  |  |  |  |  |  |  |  |  |  |
| Use of Plastics in farming practices |  |  |  |  |  |  |  |  |  |  |
| Production of small tools and implements |  |  |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |
| Small scale processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |
| Agril. Mechanization | 3 | 14 | 6 | 20 | 30 | - | 30 | 44 | 6 | 50 |
| **VII Plant Protection** |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 2 | 17 | 2 | 19 | 26 | - | 26 | 43 | 2 | 45 |
| Integrated Disease Management |  |  |  |  |  |  |  |  |  |  |
| Bio-control of pests and diseases |  |  |  |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  |  |  |  |  |  |  |  |  |
| **VIII Fisheries** |  |  |  |  |  |  |  |  |  |  |
| Integrated fish farming |  |  |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management |  |  |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  |  |  |  |  |  |  |  |
| **IX Production of Inputs at site** |  |  |  |  |  |  |  |  |  |  |
| Seed Production |  |  |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  |  |  |  |  |  |  |  |
| Bio-fertilizer production |  |  |  |  |  |  |  |  |  |  |
| Vermi-compost production |  |  |  |  |  |  |  |  |  |  |
| Organic manures production |  |  |  |  |  |  |  |  |  |  |
| Production of fry and fingerlings |  |  |  |  |  |  |  |  |  |  |
| Production of Bee-colonies and wax sheets |  |  |  |  |  |  |  |  |  |  |
| Small tools and implements |  |  |  |  |  |  |  |  |  |  |
| Production of livestock feed and fodder |  |  |  |  |  |  |  |  |  |  |
| Production of Fish feed |  |  |  |  |  |  |  |  |  |  |
| **X Capacity Building and Group Dynamics** |  |  |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  |  |  |  |  |  |
| Group dynamics | 2 | 20 | 19 | 39 | 23 | - | 23 | 43 | 19 | 62 |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |
| Mobilization of social capital | 1 | - | - | - | 31 | - | 31 | 31 | - | 31 |
| Entrepreneurial development of farmers/youths | 3 | 13 | 4 | 17 | 15 | 50 | 65 | 28 | 54 | 82 |
| WTO and IPR issues |  |  |  |  |  |  |  |  |  |  |
| **XI Agro-forestry** |  |  |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **71** | **466** | **601** | **1067** | **663** | **206** | **869** | **1127** | **784** | **1938** |
| **(B) RURAL YOUTH** |  |  |  |  |  |  |  |  |  |  |
| Mushroom Production | 1 | 11 | - | 11 | - | - | - | 11 | - | 11 |
| Bee-keeping |  |  |  |  |  |  |  |  |  |  |
| Integrated farming |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  |  |  |  |  |  |
| Vermi-culture |  |  |  |  |  |  |  |  |  |  |
| Sericulture |  |  |  |  |  |  |  |  |  |  |
| Protected cultivation of vegetable crops |  |  |  |  |  |  |  |  |  |  |
| Commercial fruit production |  |  |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |
| Nursery Management of Horticulture crops | 1 | - | - | - | 18 | 5 | 23 | 18 | 5 | 23 |
| Training and pruning of orchards |  |  |  |  |  |  |  |  |  |  |
| Value addition | 2 | 37 | 13 | 50 | 1 | 2 | 13 | 48 | 15 | 63 |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |
| Dairying | 1 | 4 | 2 | 6 | 11 | 11 | 22 | 15 | 13 | 28 |
| Sheep and goat rearing | 3 | 28 | 1 | 29 | 29 | 3 | 32 | 57 | 8 | 65 |
| Quail farming |  |  |  |  |  |  |  |  |  |  |
| Piggery |  |  |  |  |  |  |  |  |  |  |
| Rabbit farming |  |  |  |  |  |  |  |  |  |  |
| Poultry production |  |  |  |  |  |  |  |  |  |  |
| Ornamental fisheries |  |  |  |  |  |  |  |  |  |  |
| Para vets |  |  |  |  |  |  |  |  |  |  |
| Para extension workers |  |  |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  |  |  |  |  |  |  |  |
| Freshwater prawn culture |  |  |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |  |  |
| Cold water fisheries |  |  |  |  |  |  |  |  |  |  |
| Fish harvest and processing technology |  |  |  |  |  |  |  |  |  |  |
| Fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |
| Small scale processing |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |
| Tailoring and Stitching |  |  |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **8** | **80** | **16** | **96** | **59** | **21** | **90** | **149** | **41** | **190** |
|  |  |  |  |  |  |  |  |  |  |  |
| **(C) Extension Personnel** |  |  |  |  |  |  |  |  |  |  |
| Productivity enhancement in field crops |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient management | 1 | 26 | 5 | 31 | - | - | - | 26 | 5 | 31 |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |
| Protected cultivation technology | 4 | 75 | 19 | 94 | 14 | 8 | 22 | 89 | 27 | 116 |
| Group Dynamics and farmers organization |  |  |  |  |  |  |  |  |  |  |
| Information networking among farmers |  |  |  |  |  |  |  |  |  |  |
| Capacity building for ICT application |  |  |  |  |  |  |  |  |  |  |
| Care and maintenance of farm machinery and implements | 1 | 19 | 4 | 23 | - | - | - | 19 | 4 | 23 |
| WTO and IPR issues |  |  |  |  |  |  |  |  |  |  |
| Management in farm animals | 1 | 8 | 3 | 11 | 10 | 1 | 11 | 18 | 4 | 22 |
| Livestock feed and fodder production | 1 | 5 | 3 | 8 | 9 | 0 | 9 | 14 | 3 | 17 |
| Household food security |  |  |  |  |  |  |  |  |  |  |
| Women and Child care |  |  |  |  |  |  |  |  |  |  |
| Low cost and nutrient efficient diet designing |  |  |  |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |
| PHT | 1 | 22 | 7 | 29 | 6 | 3 | 9 | 28 | 10 | 38 |
| PRA | 2 | 39 | 10 | 49 | 13 | 6 | 19 | 52 | 16 | 68 |
| IFS | 1 | 1 | 2 | 13 | - | - | - | 11 | 2 | 13 |
| **TOTAL** | **12** | **184** | **53** | **247** | **52** | **18** | **70** | **246** | **71** | **317** |

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic area** | **No. of courses** | **Participants** | | | | | | | | |
| **SC/ST** | | | **Others** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **(A) Farmers & Farm Women** | - | - | - | - | - | - | - | - | - | - |
| **I Crop Production** | - | - | - | - | - | - | - | - | - | - |
| Weed Management | 1 | - | - | - | 21 | - | 21 | 21 | - | 21 |
| Resource Conservation Technologies | 1 | 12 | - | 12 | 25 | 4 | 29 | 37 | 4 | 41 |
| Cropping Systems | - | - | - | - | - | - | - | - | - | - |
| Crop Diversification | - | - | - | - | - | - | - | - | - | - |
| Integrated Farming | 2 | 56 | 22 | 78 | - | - | - | 56 | 22 | 78 |
| Water management | - | - | - | - | - | - | - | - | - | - |
| Seed production | 1 | - | - | - | 21 | 2 | 23 | 21 | 2 | 23 |
| Nursery management | - | - | - | - | - | - | - | - | - | - |
| Integrated Crop Management | 7 | 70 | 32 | 102 | 73 | 12 | 85 | 143 | 44 | 187 |
| Fodder production | 1 | - | - | - | 24 | 1 | 25 | 24 | 1 | 25 |
| Production of organic inputs | - | - | - | - | - | - | - | - | - | - |
| **II Horticulture** | - | - | - | - | - | - | - | - | - | - |
| **a) Vegetable Crops** | - | - | - | - | - | - | - | - | - | - |
| Production of low volume and high value crops | - | - | - | - | - | - | - | - | - | - |
| Off-season vegetables | - | - | - | - | - | - | - | - | - | - |
| Nursery raising | - | - | - | - | - | - | - | - | - | - |
| Exotic vegetables like Broccoli | 1 | 3 | - | 3 | 18 | - | 18 | 21 | - | 21 |
| Export potential vegetables | 1 | - | - | - | 12 | - | 12 | 12 | - | 12 |
| Grading and standardization | - | - | - | - | - | - | - | - | - | - |
| Protective cultivation (Green Houses, Shade Net etc.) | 2 | 3 | - | 3 | 45 | 4 | 49 | 48 | 4 | 52 |
| **b) Fruits** | - | - | - | - | - | - | - | - | - | - |
| Training and Pruning | - | - | - | - | - | - | - | - | - | - |
| Layout and Management of Orchards | - | - | - | - | - | - | - | - | - | - |
| Cultivation of Fruit | 7 | 64 | - | 75 | 174 | - | 174 | 238 | - | 249 |
| Management of young plants/orchards | - | - | - | - | - | - | - | - | - | - |
| Rejuvenation of old orchards | - | - | - | - | - | - | - | - | - | - |
| Export potential fruits | - | - | - | - | - | - | - | - | - | - |
| Micro irrigation systems of orchards | - | - | - | - | - | - | - | - | - | - |
| Plant propagation techniques | - | - | - | - | - | - | - | - | - | - |
| **c) Ornamental Plants** | - | - | - | - | - | - | - | - | - | - |
| Nursery Management | - | - | - | - | - | - | - | - | - | - |
| Management of potted plants | - | - | - | - | - | - | - | - | - | - |
| Export potential of ornamental plants | - | - | - | - | - | - | - | - | - | - |
| Propagation techniques of Ornamental Plants | - | - | - | - | - | - | - | - | - | - |
| **d) Plantation crops** | - | - | - | - | - | - | - | - | - | - |
| Production and Management technology | - | - | - | - | - | - | - | - | - | - |
| Processing and value addition | - | - | - | - | - | - | - | - | - | - |
| **e) Tuber crops** | - | - | - | - | - | - | - | - | - | - |
| Production and Management technology | - | - | - | - | - | - | - | - | - | - |
| Processing and value addition | - | - | - | - | - | - | - | - | - | - |
| **f) Spices** | - | - | - | - | - | - | - | - | - | - |
| Production and Management technology | - | - | - | - | - | - | - | - | - | - |
| Processing and value addition | - | - | - | - | - | - | - | - | - | - |
| **g) Medicinal and Aromatic Plants** | - | - | - | - | - | - | - | - | - | - |
| Nursery management | - | - | - | - | - | - | - | - | - | - |
| Production and management technology | - | - | - | - | - | - | - | - | - | - |
| Post harvest technology and value addition | - | - | - | - | - | - | - | - | - | - |
| **III Soil Health and Fertility Management** | - | - | - | - | - | - | - | - | - | - |
| Soil fertility management | - | - | - | - | - | - | - | - | - | - |
| Soil and Water Conservation | - | - | - | - | - | - | - | - | - | - |
| Integrated Nutrient Management | 5 | 42 | 5 | 47 | 91 | 10 | 101 | 133 | 15 | 148 |
| Production and use of organic inputs | - | - | - | - | - | - | - | - | - | - |
| Management of Problematic soils | - | - | - | - | - | - | - | - | - | - |
| Micro nutrient deficiency in crops | - | - | - | - | - | - | - | - | - | - |
| Nutrient Use Efficiency | - | - | - | - | - | - | - | - | - | - |
| Soil and Water Testing | - | - | - | - | - | - | - | - | - | - |
| **IV Livestock Production and Management** | - | - | - | - | - | - | - | - | - | - |
| Dairy Management | 6 | 48 | 49 | 97 | 25 | 11 | 36 | 73 | 6- | 133 |
| Poultry Management | 2 | 28 | 30 | 58 | - | - | - | 28 | 3 | 58 |
| Piggery Management | - | - | - | - | - | - | - | - | - | - |
| Rabbit Management | - | - | - | - | - | - | - | - | - | - |
| Disease Management | - | - | - | - | - | - | - | - | - | - |
| Feed management | 6 | 42 | 26 | 68 | 35 | 13 | 48 | 77 | 39 | 116 |
| Production of quality animal products | - | - | - | - | - | - | - | - | - | - |
| Goat Farming | 3 | 19 | 22 | 41 | 16 | 33 | 49 | 35 | 55 | 90 |
| **V Home Science/Women empowerment** | - | - | - | - | - | - | - | - | - | - |
| Household food security by kitchen gardening and nutrition gardening | - | - | - | - | - | - | - | - | - | - |
| Design and development of low/minimum cost diet | - | - | - | - | - | - | - | - | - | - |
| Designing and development for high nutrient efficiency diet | 1 | - | 15 | 15 | - | 7 | 7 | - | 22 | 22 |
| Minimization of nutrient loss in processing | - | - | - | - | - | - | - | - | - | - |
| Gender mainstreaming through SHGs | - | - | - | - | - | - | - | - | - | - |
| Storage loss minimization techniques | - | - | - | - | - | - | - | - | - | - |
| Value addition | 10 | - | 244 | 267 | - | 92 | 123 | - | 340 | 390 |
| Income generation activities for empowerment of rural Women | 3 | - | 34 | 34 | 11 | 3 | 14 | 11 | 37 | 48 |
| Location specific drudgery reduction technologies | 4 | 5 | 63 | 68 | - | 13 | 13 | 7 | 76 | 83 |
| Rural Crafts | - | - | - | - | - | - | - | - | - | - |
| Women and child care | 3 | - | 53 | 53 | - | 2 | 2 | - | 55 | 55 |
| **VI Agril. Engineering** | - | - | - | - | - | - | - | - | - | - |
| Installation and maintenance of micro irrigation systems | - | - | - | - | - | - | - | - | - | - |
| Use of Plastics in farming practices | - | - | - | - | - | - | - | - | - | - |
| Production of small tools and implements | - | - | - | - | - | - | - | - | - | - |
| Repair and maintenance of farm machinery and implements | - | - | - | - | - | - | - | - | - | - |
| Small scale processing and value addition | - | - | - | - | - | - | - | - | - | - |
| Post Harvest Technology | - | - | - | - | - | - | - | - | - | - |
| Agril. Mechanization | 3 | 14 | 6 | 20 | 30 | - | 3- | 44 | 6 | 50 |
| **VII Plant Protection** | - | - | - | - | - | - | - | - | - | - |
| Integrated Pest Management | 2 | 17 | 2 | 19 | 26 | - | 26 | 43 | 2 | 45 |
| Integrated Disease Management | - | - | - | - | - | - | - | - | - | - |
| Bio-control of pests and diseases | - | - | - | - | - | - | - | - | - | - |
| Production of bio control agents and bio pesticides | - | - | - | - | - | - | - | - | - | - |
| **VIII Fisheries** | - | - | - | - | - | - | - | - | - | - |
| Integrated fish farming | - | - | - | - | - | - | - | - | - | - |
| Carp breeding and hatchery management | - | - | - | - | - | - | - | - | - | - |
| Carp fry and fingerling rearing | - | - | - | - | - | - | - | - | - | - |
| Composite fish culture | - | - | - | - | - | - | - | - | - | - |
| Hatchery management and culture of freshwater prawn | - | - | - | - | - | - | - | - | - | - |
| Breeding and culture of ornamental fishes | - | - | - | - | - | - | - | - | - | - |
| Portable plastic carp hatchery | - | - | - | - | - | - | - | - | - | - |
| Pen culture of fish and prawn | - | - | - | - | - | - | - | - | - | - |
| Shrimp farming | - | - | - | - | - | - | - | - | - | - |
| Edible oyster farming | - | - | - | - | - | - | - | - | - | - |
| Pearl culture | - | - | - | - | - | - | - | - | - | - |
| Fish processing and value addition | - | - | - | - | - | - | - | - | - | - |
| **IX Production of Inputs at site** | - | - | - | - | - | - | - | - | - | - |
| Seed Production | - | - | - | - | - | - | - | - | - | - |
| Planting material production | - | - | - | - | - | - | - | - | - | - |
| Bio-agents production | - | - | - | - | - | - | - | - | - | - |
| Bio-pesticides production | - | - | - | - | - | - | - | - | - | - |
| Bio-fertilizer production | - | - | - | - | - | - | - | - | - | - |
| Vermi-compost production | - | - | - | - | - | - | - | - | - | - |
| Organic manures production | - | - | - | - | - | - | - | - | - | - |
| Production of fry and fingerlings | - | - | - | - | - | - | - | - | - | - |
| Production of Bee-colonies and wax sheets | - | - | - | - | - | - | - | - | - | - |
| Small tools and implements | - | - | - | - | - | - | - | - | - | - |
| Production of livestock feed and fodder | - | - | - | - | - | - | - | - | - | - |
| Production of Fish feed | - | - | - | - | - | - | - | - | - | - |
| **X Capacity Building and Group Dynamics** | - | - | - | - | - | - | - | - | - | - |
| Leadership development | - | - | - | - | - | - | - | - | - | - |
| Group dynamics | 2 | 20 | 19 | 39 | 23 | - | 23 | 43 | 19 | 62 |
| Formation and Management of SHGs | - | - | - | - | - | - | - | - | - | - |
| Mobilization of social capital | 1 | - | - | - | 31 | - | 31 | 31 | - | 31 |
| Entrepreneurial development of farmers/youths | 3 | 13 | 4 | 17 | 15 | 50 | 65 | 28 | 54 | 82 |
| WTO and IPR issues | - | - | - | - | - | - | - | - | - | - |
| **XI Agro-forestry** | - | - | - | - | - | - | - | - | - | - |
| Production technologies | - | - | - | - | - | - | - | - | - | - |
| Nursery management | - | - | - | - | - | - | - | - | - | - |
| Integrated Farming Systems | - | - | - | - | - | - | - | - | - | - |
| **TOTAL** | **78** | **479** | **637** | **1116** | **747** | **257** | **1004** | **1224** | **871** | **2122** |
| **(B) RURAL YOUTH** | - | - | - | - | - | - | - | - | - | - |
| Mushroom Production | 1 | 11 | - | 11 | - | - | - | 11 | - | 11 |
| Bee-keeping | - | - | - | - | - | - | - | - | - | - |
| Integrated farming | - | - | - | - | - | - | - | - | - | - |
| Seed production | 1 | 5 | 3 | 8 | 16 | 9 | 25 | 21 | 12 | 33 |
| Production of organic inputs | - | - | - | - | - | - | - | - | - | - |
| Integrated Farming | - | - | - | - | - | - | - | - | - | - |
| Planting material production | - | - | - | - | - | - | - | - | - | - |
| Vermi-culture | - | - | - | - | - | - | - | - | - | - |
| Sericulture | - | - | - | - | - | - | - | - | - | - |
| Protected cultivation of vegetable crops | 3 | 82 | 2 | 84 | 10 | - | 10 | 92 | 2 | 94 |
| Commercial fruit production | - | - | - | - | - | - | - | - | - | - |
| Repair and maintenance of farm machinery and implements | - | - | - | - | - | - | - | - | - | - |
| Nursery Management of Horticulture crops | 2 | - | - | - | 32 | - | 37 | 4- | - | 45 |
| Training and pruning of orchards | - | - | - | - | - | - | - | - | - | - |
| Value addition | 6 | 64 | 35 | 99 | 1 | 2 | 13 | 75 | 37 | 112 |
| Production of quality animal products | - | - | - | - | - | - | - | - | - | - |
| Dairying | 1 | 4 | 2 | 6 | 11 | 11 | 22 | 15 | 13 | 28 |
| Sheep and goat rearing | 3 | 28 | 1 | 29 | 29 | 3 | 32 | 57 | 8 | 65 |
| Quail farming | - | - | - | - | - | - | - | - | - | - |
| Piggery | - | - | - | - | - | - | - | - | - | - |
| Rabbit farming | - | - | - | - | - | - | - | - | - | - |
| Poultry production | - | - | - | - | - | - | - | - | - | - |
| Ornamental fisheries | - | - | - | - | - | - | - | - | - | - |
| Para vets | - | - | - | - | - | - | - | - | - | - |
| Para extension workers | 2 | 22 | 12 | 34 | - | 4 | 4 | 22 | 16 | 38 |
| Composite fish culture | - | - | - | - | - | - | - | - | - | - |
| Freshwater prawn culture | - | - | - | - | - | - | - | - | - | - |
| Shrimp farming | - | - | - | - | - | - | - | - | - | - |
| Pearl culture | - | - | - | - | - | - | - | - | - | - |
| Cold water fisheries | - | - | - | - | - | - | - | - | - | - |
| Fish harvest and processing technology | - | - | - | - | - | - | - | - | - | - |
| Fry and fingerling rearing | - | - | - | - | - | - | - | - | - | - |
| Small scale processing | - | - | - | - | - | - | - | - | - | - |
| Post Harvest Technology | - | - | - | - | - | - | - | - | - | - |
| Tailoring and Stitching | - | - | - | - | - | - | - | - | - | - |
| Rural Crafts | - | - | - | - | - | - | - | - | - | - |
| **TOTAL** | **19** | **224** | **55** | **279** | **99** | **34** | **143** | **333** | **93** | **426** |
|  | - | - | - | - | - | - | - | - | - | - |
| **(C) Extension Personnel** | - | - | - | - | - | - | - | - | - | - |
| Productivity enhancement in field crops | - | - | - | - | - | - | - | - | - | - |
| Integrated Pest Management | - | - | - | - | - | - | - | - | - | - |
| Integrated Nutrient management | 1 | 26 | 5 | 31 | - | - | - | 26 | 5 | 31 |
| Rejuvenation of old orchards | - | - | - | - | - | - | - | - | - | - |
| Protected cultivation technology | 4 | 75 | 19 | 94 | 14 | 8 | 22 | 89 | 27 | 116 |
| Group Dynamics and farmers organization | - | - | - | - | - | - | - | - | - | - |
| Information networking among farmers | - | - | - | - | - | - | - | - | - | - |
| Capacity building for ICT application | - | - | - | - | - | - | - | - | - | - |
| Care and maintenance of farm machinery and implements | 1 | 19 | 4 | 23 | - | - | - | 19 | 4 | 23 |
| WTO and IPR issues | - | - | - | - | - | - | - | - | - | - |
| Management in farm animals | 1 | 8 | 3 | 11 | 10 | 1 | 11 | 18 | 4 | 22 |
| Livestock feed and fodder production | 1 | 5 | 3 | 8 | 9 | - | 9 | 14 | 3 | 17 |
| Household food security | 1 | - | 32 | 32 | - | 11 | 11 | - | 43 | 43 |
| Women and Child care | - | - | - | - | - | - | - | - | - | - |
| Low cost and nutrient efficient diet designing | - | - | - | - | - | - | - | - | - | - |
| Production and use of organic inputs | - | - | - | - | - | - | - | - | - | - |
| Gender mainstreaming through SHGs | - | - | - | - | - | - | - | - | - | - |
| SREP | 1 | 11 | - | 11 | - | - | - | 11 | - | 11 |
| PHT | 1 | 22 | 7 | 29 | 6 | 3 | 9 | 28 | 10 | 38 |
| PRA | 2 | 39 | 10 | 49 | 13 | 6 | 19 | 52 | 16 | 68 |
| IFS | 1 | 1 | 2 | 13 | - | - | - | 11 | 2 | 13 |
| **TOTAL** | **14** | **216** | **78** | **301** | **46** | **26** | **72** | **268** | **104** | **382** |

## Note: Furnished the details of above training programmes as Annexure

## (D) Vocational training programmes for Rural Youth

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop / Enterprise** | **Date**  **(DD/MM/YYY)** | **Training title\*** | **Thematic Area** | **Duration (days)** | **No. of Participants** | | | **Outcome of the training programme** | | | |
| **Self employed after training** | | | **Number of persons employed else where** |
| **Male** | **Female** | **Total** | **Type of units** | **Number of units** | **Number of persons employed** |
| Field Crop | 2/2/2016 | Commercial seed prod in oilseed, pulses & cereals | Seed prod | 5 | 21 | 12 | 33 | 01 | 01 | 06 | 02 |
| Horticulture | 5/8/2015 | Horti nursery mgmt | Nursery mgmt | 15 | 22 | 0 | 22 | Nursery | 02 | 12 | 10 |
| Horticulture | 7/9/2015 | Post harvest mgmt of veg | Post harvest mgmt | 5 | 9 | 5 | 14 | Processing | 01 | 04 | 05 |
| Horticulture | 17-21-8-2015 | Protected Cultivation of commercial flowers and selected vegetable crops, nurseries for the district | Protected Cultivation | 5 | 33 | 1 | 34 | 04 | 04 | 04 | - |
| Horticulture | 8-11-09-2015 | Protected cultivation of commercial flowers & slelected veg crops nurseries for the district | Protected Cultivation | 5 | 27 | 0 | 27 | 03 | 03 | 03 | - |
| Horticulture | 5-9-10-2015 | Protected cultivation of commercial flowers & selected vegetables crops nurseries for the district(MACP,ATMA) | Protected Cultivation | 5 | 32 | 1 | 33 | 04 | 04 | 04 | - |
| Post Harvest Technology | 23-7-15 | Commercial Processing Techniques of soybean & its use in human diet | Value addition | 3 | 9 | - | 9 | 01 | 01 | 08 | 02 |
| Post Harvest Technology | 5/8/2015 | Commercial processing techniques of soybean and its use in human diet | Post Harvest Tech. | 3 | 9 | - | 9 | - | - | 10 | 02 |
| Goatary | 14-15-05-15 | Goat Farming: an enterprise | Goat Farming | 2 | 20 | 1 | 21 | 02 | 02 | 02 | - |
| Goatary | 7-10-7-2015 | Small animal mgmt for meat production: goat & Poultry | Goat Mgmt | 3 | 18 | 3 | 21 | 03 | 03 | 03 | - |
| Dairy | 10-13-12-2015 | Scientific dairy farming with special reference to feed, hygienic milk & health measures | Dairy mgmt (peth) | 3 | 15 | 13 | 28 | 01 | 01 | 02 | - |
| Goatary | 22-23-02-2016 | Goat Farming | Goat mgmt | 2 | 19 | 4 | 23 | 01 | 01 | 01 | - |
| Mushroom production | 22-9-15 | Training on oyster mushroom & its product | Mushroom production | 3 | 11 | - | 11 | 01 | 01 | 12 | 01 |

**(E) Sponsored Training Programmes**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sr. No** | **Date** | **Title of the training programme** | **Discipline** | **Thematic area** | **Duration (days)** | **Clientele** | **No. of Courses** | **Number of SC/ST participants** | | | **Number of other participants** | | | **Total number of participants** | | | **Sponsoring Agency** | **Amount of fund received (Rs.)** |
| **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** |
| 1 | 20-7-2015 | Vegetable Nursery Management | Horti | Nursery Management | 1 | EF | 1 | 4 | 3 | 7 | 17 | 6 | 23 | 21 | 9 | 30 | RAMETI | Training sponsored |
| 2 | 24-8-15 | Vegetable Nursery Management | Horti | Nursery Management | 1 | EF | 1 | 5 | 2 | 7 | 20 | 6 | 26 | 25 | 8 | 32 | RAMETI | Training sponsored |
| 3 | 25-8-15 | Fruits and vegetable processing | Horti | Post Harvest management | 1 | EF | 1 | 6 | 3 | 9 | 22 | 7 | 29 | 28 | 10 | 38 | RAMETI | Training sponsored |
| 4 | 18-12-2015 | Protected cultivation of flowers & veg | Horti | Protected cultivation | 1 | EF | 1 | 5 | 3 | 8 | 12 | 2 | 14 | 17 | 5 | 22 | RAMETI | Training sponsored |
| 5 | 13-17/05/2015 | Protected Cultivation of Commercial selected flowers vegetable and plant propagation and their prospects(RAMETI) | Agr Eng | Protected Cultivation | 5 | EF | 1 |  |  |  | 26 | 5 | 31 | 26 | 5 | 31 | RAMETI | Training sponsored |
| 6 | 25-29/05/2015 | Improved farm machineries and advances in Agriculture mechanization for the regional cropping pattern | Agr Eng | Agril Mechnization | 5 | EF | 1 |  |  |  | 19 | 4 | 23 | 19 | 4 | 23 | RAMETI | Training sponsored |
| 7 | 8-10-9-2015 | Standard operating procedure for artificial intermination in bovines | Vet | Dairy Management | 3 | EF | 1 | 10 | 1 | 11 | 8 | 3 | 11 | 18 | 4 | 22 | mahabank | Training sponsored |
| 8 | 05-06-03-2016 | Preparation of silage | Vet | Feed mgmt | 2 | EF | 1 | 9 | - | 9 | 5 | 3 | 8 | 14 | 3 | 17 | DDG, AH | Training sponsored |
| 9 | 1/5/2015 | Participatory Rural Appraisal | Agril. Exten | PRA | 3 | EF | 1 | 7 | 3 | 10 | 15 | 5 | 24 | 25 | 8 | 34 | RAMETI | Training sponsored |
| 10 | 6/5/2015 | Strategic Research and Extension Plan | Agril. Exten | SREP | 2 | EF | 1 | - | - | - | 11 | - | 11 | 11 | - | 11 | RAMETI | Training sponsored |
| 11 | 12/5/2015 | Participatory Rural Appraisal | Agril Extn | PRA | 3 | EF | 1 | 6 | 3 | 9 | 16 | 5 | 21 | 22 | 8 | 30 | RAMETI | Training sponsored |
| 12 | 11/8/2015 | Integrated farming system approach for village development | Agril Extn | Para Extension workers | 1 | EF | 1 | - | - | - | 11 | 2 | 13 | 11 | 2 | 13 | RAMETI | Training sponsored |
| 13 | 15-05-2015 | Soil Health Management | Soil Sci. |  | 1 | EF | 1 | - | - | - | 26 | 5 | 31 | 26 | 5 | 31 | RAMETI | Training sponsored |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Nature of Extension Activity** | **Date**  **(DD/MM/YYY)** | **Title/topic** | **No. of activities** | **Participants** | | | | | | | | | | | |
| **Farmers (Others)** | | | **Farmers (SC/ST)** | | | **Extension Officials** | | | **Grand Total** | | |
| **I** | | | **II** | | | **III** | | | **(I+II+III)** | | |
| **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** |
| Field Day | 25/09/2014 | Field day on groundnut | 1 | 10 | 5 | 15 | 4 | 1 | 5 | 5 | 0 | 5 | 19 | 6 | 25 |
| 06-09-2015 | Soybean | 01 | 26 | 18 | 44 | - | - | - | 02 | - | 02 | 28 | 18 | 46 |
| 06-10-2015 | Finger millet  Niger | 01  01 | -  - | -  - | -  - | 20  47 | 19  - | 39  47 | 03  03 | -  - | 03  03 | 23  50 | 19  - | 42  50 |
| 06-10-2015 | finger millet | 01 | - | - | - | 50 | 25 | 75 | - | - | - | 50 | 25 | 75 |
| 06-10-2015 | Niger | 01 | - | - | - | 25 | - | 25 | - | - | - | 25 | - | 25 |
| 28-10-2015 | Paddy | 01 | - | - | - | 28 | 20 | 48 | 03 | - | 03 | 31 | 20 | 51 |
| 28-10-2015 | STCR base fert. Application | 01 | - | - | - | 25 | - | 25 | - | - | - | 25 | - | 25 |
| 26-02-2016 | Chickpea | 01 | 26 | 08 | 34 | 02 | 01 | 03 | 03 | 01 | 04 | 31 | 10 | 41 |
| 23-03-2016 | Chickpea | 01 | 18 | 02 | 20 | 02 | 00 | 02 | 01 | 00 | 01 | 21 | 02 | 23 |
| 21-03-2016 | Potato intercrop in sugarcane | 01 |  |  |  | 17 | 05 | 22 | 02 | 01 | 02 | 19 | 06 | 25 |
| .Kisan Mela | 16-18-08-2015 | Rabi Crop planning | 03 | 12 | 05 | 17 | 25 | 15 | 40 | 10 | 00 | 10 | 47 | 20 | 67 |
| 6-7-11-2015 | Krishik- Agri technology week organized by KVK Baramati | 01 |  |  |  |  |  |  |  |  |  |  |  |  |
| 20-11-2015 | STCR base fert. Application | 01 | - | - | - | 75 | - | 75 | - | - | - | 75 | - | 75 |
| Kisan Ghosthi |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Exhibition | 29-30-11-2015 | Krishithon agri exhibition Nashik | 02 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Film Show | 28-07-2015 | Paddy FFT | 02 | 06 | 02 | 08 | 26 | 16 | 42 | 03 | 01 | 04 | 35 | 19 | 54 |
| 22-08-2015 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23-08-2015 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Method Demonstrations | 23-06-2015 | Scientific method of soil collection | 01 | - | - | - | 25 | - | 25 | - | - |  | 25 | - | 25 |
| 01-07-2015 | Soybean Pro. Tec. | 02 | 18 | 04 | 22 | - | - | - | 02 | - | 02 | 20 | 04 | 24 |
| 07-07-2015 | Niger | 02 | - | - | - | 21 | 04 | 25 | 03 | - | 03 | 24 | 04 | 28 |
| 21-07-2015 | Finger millet | 02 | - | - | - | 15 | 06 | 21 | 01 | 02 | 03 | 16 | 08 | 24 |
| 28-07-2015 | Paddy | 03 | - | - | - | 14 | 12 | 26 | 04 | 01 | 05 | 18 | 13 | 31 |
| 24-06-2015 | scientific method of soil collection | 01 | - | - | - | 20 | - | 20 | - | - | - | 20 | - | 20 |
| 21-07-2015 | scientific method of soil collection | 01 | - | - | - | 18 | 02 | 20 | - | - | - | 18 | 02 | 20 |
| 20-08-2015 | Cono weeder | 01 | - | - | - | 19 | 22 | 41 | - | - | - | 19 | 22 | 41 |
| 28-07-2015 | Scientific method of soil collection | 01 | - | - | - | 30 | 20 | 50 | - | - | - | 30 | 20 | 50 |
| 29-09-2015 | Use of saaf-kit | 01 | 10 | 05 | 15 | 02 | 03 | 05 | 02 | 01 | 03 | 14 | 09 | 23 |
| 24-11-2015 | Giriraja poultry | 01 | - | - | - | 34 | 13 | 47 | 05 | 01 | 06 | 39 | 14 | 53 |
| 06-11-2015 | Scientific method of soil sample collection | 01 | 15 | - | 15 | - | - | - | - | - | - | 15 | - | 15 |
| 07-11-2015 | Scientific method of soil sample collection | 01 | - | - | - | 10 | - | 10 | - | - | - | 10 | - | 10 |
| 18-11-2015 | Scientific method of soil sample collection | 01 | - | - | - | 15 | - | 15 | - | - | - | 15 | - | 15 |
| 24-11-2015 | Scientific method of soil sample collection | 01 | - | - | - | 75 | 40 | 115 | - | - | - | 75 | 40 | 115 |
| 29-03-2016 | Saaf kit | 01 | 10 | 05 | 15 | 05 | - | 05 | 02 | 01 | 03 | 17 | 06 | 23 |
| Farmers Seminar | 24-06-2015 | Scientific method of soil collection | 01 | - | - | - | 15 | - | 15 | 07 | - | 01 | 16 | - | 16 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Workshop | 15-16-03-2016 | Action plan presentation to MPKV Rahuri | 01 | - | - | - | - | - | - | - | - | - | - | - | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group meetings | 13-05-2015 | Dry land agricultural plan meet at agril. Commissioner office, pune | 01 | - | - | 05 | - | - | - | 120 | 35 | 155 | 120 | 35 | 155 |
| 07-12-2015 | PRA of ranmale village | 01 | - | - | - | - | - | - | - | - | - | - | - | - |
| Lectures delivered as resource persons | 20-05-2015 | Use of plant propagation structures and climate management systems in fruit and vegetable nurseries for state extension functionaries (at RAMETI) | 01 |  |  |  |  |  |  | 24 | 03 | 27 | 24 | 03 | 27 |
| 01-07-2015 | Soybean production Technology | 02 | 21 | 04 | 25 | 03 | - | 03 | 03 | 01 | 04 | 27 | 05 | 32 |
| 02-07-2015 | Maize production Technology | 02 | 36 | 08 | 44 | 05 | 02 | 07 | 04 | 04 | 08 | 45 | 14 | 59 |
| 28-07-15 | Paddy production Technology | 02 | 06 | 02 | 08 | 26 | 16 | 42 | 03 | 01 | 04 | 35 | 19 | 54 |
| 20-07-2015 | Protected cultivations & plant propagation management system in fruit and vegetable nurseries for state extension functionaries (RAMETI) | 01 |  |  |  |  |  |  | 22 | 06 | 28 | 22 | 06 | 28 |
| 27-08-2015 | Processing and value addition in fruits and vegetable | 01 | 25 | 05 | 30 | 05 | 02 | 07 |  |  |  | 30 | 07 | 37 |
| 26-08-2015 | Precision and protected farming practices (RAMETI) | 01 |  |  |  |  |  |  | 30 | 05 | 35 | 30 | 05 | 35 |
| 30-07-2015 | Soil Health management | 01 | 50 | 30 | 80 | - | - | - | - | - | - | 50 | 30 | 80 |
| 11-08-2015 | Soil Health management | 01 | 21 | - | 21 | - | - | - | - | - | - | 21 | - | 20 |
| 19-08-2015 | Soil Health management | 01 | 33 | 01 | 34 | - | - | - | - | - | - | 33 | 01 | 34 |
| 27.08.15 | Processing and value addition in fruits and vegetable | 01 | 25 | 05 | 30 | 05 | 02 | 07 |  |  |  | 30 | 07 | 37 |
| 21-22-9-2015 | Protected cultivation : importance and methods for commercial crops | 01 | 18 | 0 | 18 |  |  |  |  |  |  | 18 | 0 | 18 |
| 25-08-2015 | Soil Health Management | 01 | 50 | 30 | 80 | - | - | - | - | - | - | 50 | 30 | 80 |
| 09-09-2015 | Soil Health Management | 01 | 17 | 05 | 22 | - | - | - | - | - | - | 17 | 05 | 22 |
| 10-09-2015 | Soil health Card | 01 | 65 | 45 | 110 | - | - | - | - | - | - | 65 | 45 | 110 |
| 10-10-2015 | Processing and value addition in fruits and vegetable | 01 | 18 | 07 | 25 | 02 | 03 | 05 |  |  |  | 20 | 10 | 30 |
| 15-10-2015 | Protected Cultivation of domestic commercial crops, Nurseries lgatpuri Tahsil for the district | 01 | 75 | 10 | 85 | 90 | - | 90 | 15 | 5 | 20 | 180 | 15 | 195 |
| 07-10-2015 | Soil health management | 01 | 25 | 0 | 25 | - | - | - | - | - | - | 25 | 0 | 25 |
| 07-10-2015 | Soil health management | 01 | 25 | 0 | 25 | - | - | - | - | - | - | 25 | 0 | 25 |
| 17-11-2015 | Cultivation of rabi crops on paddy based cropping system | 01 | - | - | - | 26 | - | 26 | 03 | 01 | 04 | 29 | 01 | 30 |
| 21-01-2016 | Scope and opportunities for fruit and vegetable processing & value addition | 01 | 35 | 15 | 50 |  |  |  |  |  |  | 35 | 15 | 50 |
| 20-01-2016 | Micro irrigation root bowl management of horticultural crops (MACP) training at KVK on pomegranate | 01 | 16 | 0 | 16 |  |  |  |  |  |  | 16 | 0 | 16 |
| 22-02-2016 | Scope and opportunities for fruit and vegetable processing & value addition | 01 | 19 | 02 | 21 |  |  |  |  |  |  | 19 | 02 | 21 |
| 16-02-2016 | Protected farming and its need in the present agricultural scenario (Agrown- dasak –panchak ) | 01 | 50 | 04 | 54 | 0 | 0 | 0 | 0 | 02 | 02 | 50 | 06 | 56 |
| 08-02-2016 | Soil health management | 01 | - | - | - | - | - | - | 22 | 03 | 25 | 22 | 03 | 25 |
| Newspaper coverage | 23-07-2015 |  |  |  |  |  |  |  |  |  | - | - | - | - | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20-07-2015 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23-07-2015 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 26-08-2015 |  |  |  |  |  |  |  |  |  | - | - | - | - | - |
| 31-08-2015 |  |  |  |  |  |  |  |  |  | - | - | - | - | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Radio talks | 28.05.2015 |  |  |  |  |  |  |  |  |  | - | - | - | - | - |
| 08-10-2015 | Preparation for Rabi Crops | 01 | - | - | - | - | - | Paddy pro .tec in pudhari Newspaper | 01 | - | - | - | - | - |
| 13-10-2015 | Terrace gardening |  |  |  |  |  |  |  | 04 |  |  |  |  |  |
| 12-11-2015 | Integrated Farming System Approach for Village development | 01 |  |  |  |  |  | Soil test base fertilizer use | 01 |  |  |  |  |  |
| 08-10-2015 | Preparation for Rabi crops | 01 | - | - | - | - | - | Soil health management | 01 |  |  |  |  |  |
| 26-11-2015 | Nutrient management of Oct pruning in grape | - | - | - | - | - | - | Use of urea briquettes paddy cultivation | 01 | - | - | - | - | - |
| TV talks | 09-06-2015 | Planning and plantation of fruit and vegetable | 01 |  |  |  |  |  | Increase Nitrogen Use Efficiency | 01 | - | - | - | - | - |
| 16-06-2015 | ZEE 24 TAAS : Protected cultivation technology and its scope –phone in program | 01 |  |  |  |  |  |  | 05 |  |  |  |  |  |
| 30-06-2015 | Contingency plan on zee 24 taas | 01 | - | - | - | - | - | Cultivation tips for paddy | 01 | - | - | - | - | - |
| 30-07-2015 | Contingency plan on zee 24 taas | 01 | - | - |  |  |  |  |  |  |  |  |  |  |
| 05-08-2015 | Irrigation scheduling for kharif crops on Zee 24 Taas | 01 | - | - | - | - | - | - | - | - | - | - | - | - |
| 22-03-2016 | Potato intercrop in sugarcane | 01 |  |  |  | 08 | 04 | 12 |  |  |  | 08 | 04 | 12 |
| Advisory Services | 18-04-2015 | Selection & suitability of farmers field for Animal farm | 01 | 04 | 01 | 05 | - | - | - | 01 | - | 01 | 05 | 01 | 06 |
| 12-06-2015 | Marigold, drumstick, and mango plantation | 15 | 10 | 02 | 12 | 03 | 00 | 03 |  |  |  | 13 | 02 | 15 |
| 17-07-2015 | Drumstick, and mango plantation | 05 | 05 | 00 | 05 | 01 | 00 | 01 |  |  |  | 06 | 00 | 06 |
|  | Integrated nutrient | 01 | 04 | - | 04 | - | - | - | - | - | - | 04 | - | 04 |
|  | Integrated nutrient management | 03 | 03 | - | 03 | - | - | - | - | - | - | 03 | - | 03 |
| 27-06-2015 | Collectionof soil sample | 01 |  |  |  |  |  |  |  |  |  |  |  |  |
| 29-06-2015 | Collectionof soil sample |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 01-07-2015 | Collectionof soil sample | 01 |  |  |  |  |  |  |  |  |  |  |  |  |
| 03-07-2015 | Distribution of fertilizer | 01 |  |  |  |  |  |  |  |  |  |  |  |  |
| 09-07-2015 | Distribution of fertilizer | 01 |  |  |  |  |  |  |  |  |  |  |  |  |
| 25-08-2015 | Drumstick and pomegeranate plantation | 08 | 12 | 00 | 12 | 04 | 00 | 04 |  |  |  | 16 | 00 | 16 |
|  | Integrated nutrient management | 06 | 06 | - | 06 | - | - | - | - | - | - | 06 | - | 06 |
|  | Integrated nutrient management | 15 | 15 | - | 15 | - | - | - | - | - | - | 15 | - | 15 |
| 1,17,20,26 | Drumstick, guava, mango, pomegranate plantation | 07 | 06 | 02 | 08 | 10 | 05 | 15 |  |  |  | 16 | 07 | 23 |
|  | Oct | Tomato and vegetable nutritional management |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Integrated nutrient management | 17 | 17 | - | 17 | - | - | - | - | - | - | 17 | - | 17 |
| 10,18,24,26 Nov | Mango, pomegranate plantation, fruit and vegetable post harvest management | 05 | 08 | 02 | 10 | 1 | 0 | 1 |  |  |  | 09 | 02 | 11 |
|  | Integrated nutrient management | 03 | 14 | - | 14 | 45 | - | 45 | - | - | - | 59 | - | 59 |
| 2,18,21,26 Dec | Fruit and vegetable management | 07 | 10 | 02 | 12 | 02 | 0 | 02 |  |  |  | 12 | 02 | 13 |
|  | Integrated nutrient management | 03 | 14 | - | 14 | 45 | - | 45 | - | - | - | 59 | - | 59 |
| 1,5,8,23, Dec | Pomegranate, drumstick, guava production | 05 | 07 | 00 | 07 |  |  |  |  |  |  | 07 | 00 | 07 |
| 08-01-2016 | Farmers visit to KVK field | 01 | - | 03 | 03 | 13 | 16 | 29 | 02 | - | 02 | 15 | 19 | 34 |
| 20-01-2016 | Farmers visit to KVK field | 01 | 05 | 01 | 06 | 08 | 14 | 22 | 02 | - | 02 | 15 | 15 | 30 |
| 22-12-2015 To 23-01-2016 | INM in pomegranate, tomato, cucumber | 05 | 05 | - | 05 | - | - | - | - | - | - | 05 | - | 05 |
| 3,11,16, Feb | Pomegranate, drumstick, guava, onion, tomato, polyhouse crop production | 08 | 09 | 02 | 11 |  |  |  |  |  |  | 08 | 09 | 02 |
| 03-02-2016 | Farmers visit to KVK field | 01 | 04 | 07 | 11 | 16 | 12 | 28 | 02 | - | 02 | 22 | 19 | 41 |
| 10-02-2016 | Distribution of soil testing reports | 01 | 19 | - | 19 | - | - | - | - | - | - | 19 | - | 19 |
| 17-02-2016 | Visit on FLD Onion plots and soil sample collection under TSP programme | 01 | - | - | - | 12 | - | 12 | - | - | - | 12 | - | 12 |
| 02,12,16, March | Onion, drumstick, fruit and vegetable processing | 04 | 14 | 03 | 17 |  |  |  |  |  |  | 14 | 03 | 17 |
| 09-03-2016 | Farmers visit to KVK field | 01 | 01 | 08 | 09 | 02 | 12 | 14 | 02 | - | 02 | 05 | 20 | 25 |
| 24-02-2016 To 23-03-2016 | INM in fruit vegetables and cereals crop | 01 | 06 | - | 06 | 175 | - | 175 | - | - | - | 181 | - | 181 |
| Scientific visit to farmers field | 19-06-2015 | Vegetable Nursery management | 01 | 05 | 01 | 06 | 03 | 06 | 09 |  |  |  | 08 | 07 | 15 |
| 27-06-2015 | Poultry farmers meeting in beje village | 01 | 04 | - | 04 | 09 | 09 | 18 | 01 | 01 | 02 | 14 | 10 | 24 |
| 25-07-2015 | Soybean FLD | 01 | 26 | 04 | 30 | 02 | - | 02 | 01 | - | 01 | 29 | 04 | 33 |
| 03-07-2015 | Drumstick production | 01 | 07 | 01 | 08 | 00 | 00 | 00 |  |  |  | 07 | 01 | 08 |
| 14-07-2015 | Poultry farmers meeting in kayre village | 01 | - | - | - | 12 | 11 | 23 | 02 | 01 | 02 | 14 | 12 | 26 |
| 14-07-2015 | Backyard poultry | 01 | - | - | - | 12 | 02 | 14 | 01 | - | 01 | 13 | 02 | 15 |
| 26-08-2015 | Vegetable – Tomato Capsicum Production | 01 | 08 | 05 | 13 | 06 | 04 | 10 |  |  |  | 14 | 09 | 23 |
| 11-08-2015 | Poultry goat farmers meeting in shahapur village | 01 | 07 | 08 | 15 | 16 | 11 | 27 | 05 | 01 | 06 | 28 | 20 | 48 |
| 22-09-2015 | Poultry farmers meeting training in chakore village | 01 | - | - | - | 16 | 19 | 35 | 02 | 01 | 03 | 17 | 20 | 37 |
| 16-09-2015 | Spray 2%0:52:34 on tomato (chakore) | 01 | - | - | - | 25 | - | 25 | - | - | - | 25 | - | 25 |
| 16-09-2015 | Spray 2% Urea on Niger (Chirapali) | 01 | - | - | - | 15 | - | 15 | - | - | - | 15 | - | 15 |
| 21-10-2015 | Rabi Onion Nursery Management 01 | 01 | 00 | 00 | 16 | 02 | 18 |  |  |  |  | 16 | 02 | 18 |
| 28-10-2015 | Meeting of poultry Farmers | 01 | - | - | - | 10 | 15 | 25 | 02 | 01 | 03 | 12 | 16 | 28 |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 20-11-2015 | Chickpea FLD | 01 | - | - | - | 18 | 04 | 22 | 02 | - | 02 | 20 | 02 | 22 |
| 28-01-2016 | Chickpea FLD | 01 | 12 | - | 12 | - | - | - | 02 | - | 02 | 14 | - | 14 |
| 26-12-2015 | Distribution of fertilizers and testing reports for STCR based trial on Onion | 01 | - | - | - | 10 | - | 10 | - | - | - | 10 | - | 10 |
| 09-02-2016  10-02-2016 | Wheat FLD  Chickpea FLD | 01  01 | -  15 | -  02 | -  17 | 08  - | 03  - | 11  - | 02  02 | 01  01 | 03  03 | 10  17 | 04  03 | 14  20 |
| 05-02-2016 | Nutrition garden | 02 | - | - | - | - | 19 | 19 | - | - | - | - | 19 | 19 |
| Farmers visit to KVK | 2015-16 | Visit to KVK farm | 57 | 1024 | 744 | 1768 | 711 | 1453 | 2164 | 41 | 32 | 73 | 1776 | 2229 | 4005 |
| Diagnostic visits | 17-06-2015 | Vegetable plantation in kharif season | 01 | 10 | 00 | 10 | 00 | 00 | 00 |  |  |  | 10 | 00 | 10 |
| 02-07-2015 | Walproduction nutricnt deficiency problem | 01 | 10 | 00 | 10 | 00 | 00 | 00 |  |  |  | 10 | 00 | 10 |
| 06-01-2016 | Potato FLD village –Chakore | 01 |  |  |  | 03 | 01 | 04 |  |  |  | 03 | 01 | 04 |
| 10-02-2016 | FLD Onion, Garlic,potato | 02 |  |  |  | 14 | 03 | 17 |  |  |  | 14 | 03 | 17 |
| Exposure visits | 20-08-2014 | Protected cultivation of flowers & vegetables enterprises (PH trg Trinees) | 01 | 33 | 01 | 34 | - | - | - | - | - | - | 33 | 01 | 34 |
| 08-10-2015 | Exotic vegetable production | 01 | 18 | 00 | 18 | 03 | 00 | 03 | 00 | 00 | 00 | 21 | 00 | 21 |
| 08-10-2015 | Protected Cultivation of commercial crops, at belgaon dhaga makhamalabad | 01 | 33 | - | 33 |  |  |  |  |  |  | 33 | - | 33 |
| 20-10-2015 | Central poultry development organization, Mumbai | 01 | - | - | - | - | - | - | - | - | - | - | - | - |
| 22-12-2015 | Onion Farmers visit to DOGR, Pune, & KVK Narayangaon | 01 | 01 | 00 | 01 | 18 | 00 | 18 |  |  |  | 19 | 00 | 19 |
| 23-12-2015 | Weather parameters and protected cultivations | 01 |  |  |  |  |  |  | 20 | 5 | 25 | 20 | 5 | 25 |
| Ex-trainees Sammelan |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Soil health Camp |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Animal Health Camp |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Agri mobile clinic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Soil test campaigns |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Farm Science Club Conveners meet |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Self Help Group Conveners meetings | 16-10-2015 | Skill development programme for SHG | 1 | 00 | 75 | 75 | 00 | 35 | 35 |  |  |  | 00 | 110 | 110 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PRA Survey | 21-04-2015 | - | Borli Tal Lgatpuri | 02 | - | 02 | 20 | 08 | 28 | 09 | 02 | 11 | 31 | 10 | 41 |
| Mahila Mandals Conveners meetings |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Celebration of important days (specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 05-12-2015 | World soil day | 01 | 53 | 22 | 174 | 71 | 29 | 312 | 09 | - | 09 | 124 | 51 | 175 |
| 16.10.2015 | World Food Day | 01 | - | - | - | - | - | - | - | - | - | 382 | 247 | 629 |
| TV Programme | 07-11-2015 | Soybean seed village | 01 |  |  |  |  |  |  |  |  |  |  |  |  |
| 16-18-8-2015 |  | 01 | 182 | 166 | 298 | 214 | 98 | 312 | 26 | 12 | 38 | 422 | 226 | 648 |
| Exhibition | 06-07-11-2015 | Agricultural technologies Exhibition (KVK Baramati ) | 01 | - | - | - | - | - | - | - | - | - | - | - | - |
| 26-30-11-2015 | Kshishithon agri Exhibition, Nashik | 01 | - | - | - | - | - | - | - | - | - | - | - | - |
| Farmers Tour | 22-12-2015 | Visited National Onion Research Station, Rajgurunagar and krishi vigyan Kendra, narayangaon, pune | 01 | - | - | - | 21 | - | 21 | - | - | - | 21 | - | 21 |
| Women day | 08-03-2016 | Women empowerment | 01 | - | 13 | 13 | - | 33 | 33 | - | - | - | - | 46 | 46 |
| Total |  |  | 323 | 2429 | 1302 | 3801 | 2410 | 2093 | 4695 | 443 | 133 | 568 | 5661 | 3714 | 9358 |

3.5 (A). Kisan Mobile Advisory Services

No. of registered farmers of KVK : 1423

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  | No. of Farmers | | | | | | | | |
|  |  |  |  |  | SC/ST | | | Others | | | Total | | |
| Crop/Type | Thematic Area | Date | Name of the message | No. of Msg | M | F | T | M | F | T | M | F | T |
| Grapes | INM | 6/4/2015 | Sendriya khate – gandul khat-2 tan/ekari nimboli pend-200 kilo/ekari Jaivik khate – asetobactor 5 kilo/tan sendriya khatasobat sfurad virghalvinare jivanu 5 kilo/tan sendriya klhatasobat palash virghalavinare jivanu 5 kilo/tan sendriya khatasobat | 1 |  |  |  |  |  |  | 569 | 12 | 581 |
| Grapes | INM | 6/4/2015 | Sukshm annadravye – feras salfet, zink salfet, copar salfet, mangnij salfet prtyeki 10 kilo/ekari chiletedswarupat gandulkhatamadhe ekatra karun chatniveles dyave.Rasaynik khate – yuriya 250 kilo/ekar chatniveles 250 kilo/ekar chatninantar 15 divsanniu 250 kilo/ekar chatninantar 30 divsanni 250 kilo/ekar chatninantar 45 divsanni singal supar fosfet 550 kilo/ekar chatniveles salfet of potash – 200 kilo/ekar chatniveles | 1 |  |  |  |  |  |  | 569 | 12 | 581 |
| Grapes | INM | 6/4/2015 | Suchana 1.sendriya v jaivik khate chatnichya 15 divas agodar dyave.2. sarv rasaynik khate mati v pani parikshan karun dyave. | 1 |  |  |  |  |  |  | 569 | 12 | 581 |
| Grapes | INM | 6/4/2015 | Garpit zalelya bhagamdhye velichya vividh avyawanvar jakhma zalelya astil. tya bharun yenyasathi taan basnar nahi, yachi kalji ghyavi.draksh bages bharpur pani v anndravye deun velinchi zij bharnyasathi prayatn karavet. | 1 |  |  |  |  |  |  | 569 | 12 | 581 |
| Grapes | INM | 6/4/2015 | Jya bhagat paus jast zala asel, tithe ata ardrata vadhali asel,tyamule kahi pramanat rogancha pradurbhaw vadhu shakto,gelya kahi divsat tapmanamadhye vadh zali asali tari ardtahi vadhali ahe.ya paristhiticha fayada gheun,laukar kharadchatani ghetlyas dole futnyas madat hoil. | 1 |  |  |  |  |  |  | 569 | 12 | 581 |
| Grapes | INM | 6/4/2015 | Velinvaril olanda, khodanvaril jakhama bharun yenyasathi prayatn karavet. jakhma bharnyasathi chatnila usher aslyas kynopi, olande v khodavar satat panyachi fawarni karavi.Tambeyukt burshinashak kinva bordo mishranachi fawarni kelyas jakhma v ardrtemule vadhanarya rogancha prasar rokhane shaky hoil. | 1 |  |  |  |  |  |  | 569 | 12 | 581 |
| Grapes | INM | 6/4/2015 | Bagemadhye kharadchatanipurvich 19:19:19 kinva 18:46:0 yasarkhi khate dyavit.tyamule velinchi karykshmta vadhel. | 1 |  |  |  |  |  |  | 569 | 12 | 581 |
| Bajra | ICM | 7/15/2015 | july nantar paus padlyas suryaful+tur(2:1),tur+gawar(1:2),bajari+tur(2:1) ya antarpik padhticha avlamb karava | 1 |  |  |  |  |  |  | 1307 | 116 | 1423 |
| Pigeon Pea | ICM | 7/15/2015 | 1 august nantar paus padlyas suryful,tur,erandi,hulga,suryful+tur(2:1) ya pikanchi lagwad kara. | 1 |  |  |  |  |  |  | 1307 | 116 | 1423 |
| Paddy | INM | 7/16/2015 | Bhat Pikasathi: Changale kujalele shenkhat 10 ton / ha purva mashagat zalyanantar takave.Nile hirve sheval 20 Kg/ha bhat lagninanter 8 -10 divasani shetat takave.Mati parikshananusar 100kg/ha urea, 300 kg/ha single super phosphate 100 kg/ha. Muriate of Potash bhat lagnichya veli dyave. 100 kg/ha urea bhat lagninanter 25-30 divsani dyave. urea khat shkyato neemcoated vaprave. | 1 |  |  |  |  |  |  | 275 | 27 | 302 |
| Paddy | INM | 8/11/2015 | Bhat lagninanter 25 te 30 divsani 90 kg nimkoted uriya/hect dyava. | 1 |  |  |  |  |  |  | 275 | 27 | 302 |
| Sorghum (JowarorGreat Millet) | INM | 8/11/2015 | Jwari pernyananter 30 divsani 100 kgyuria nimkoted/hect dyava. | 1 |  |  |  |  |  |  | 245 | 27 | 272 |
| Maize (Makka) | INM | 8/11/2015 | Maka perninanter 30 divsani 90kg nimkoted yuria/hect dyava. | 1 |  |  |  |  |  |  | 751 | 77 | 828 |
| FingerMillet | INM | 8/11/2015 | Nagli lagninanter 30 divsani 65 kg nimkoted yuria/hect dyava | 1 |  |  |  |  |  |  | 66 | 23 | 89 |
| Cotton | INM | 8/11/2015 | Kapus perninanter 30 divsani nimkoted yuria 90kg/hect dyava tasech 60 divsani 90ki/hect nimkoted yuriya dyava | 1 |  |  |  |  |  |  | 455 | 66 | 521 |
| Chilli | INM | 8/11/2015 | Mirchi lagvadinaner 30 te 45 divsani nimkoted yuriya 100 kg/hect dyava | 1 |  |  |  |  |  |  | 90 | 3 | 93 |
| Tomato | INM | 8/11/2015 | Tomato lagvadinanter 30 te 45 divsani 90kg/hect nimkoted yuriya dyava. | 1 |  |  |  |  |  |  | 854 | 82 | 936 |
| Grape | INM | 9/11/2015 | Vermicompost 2.5 ton/hect dyave. tyamadhye 10 kilo PSB virghalnare jivanu, 10 kilo Azospirillium natr sthir karanare jivanu, 10 kilo KSB virghalnare jivanu 500 kilo Neam Cake dyavi. | 1 |  |  |  |  |  |  | 569 | 12 | 581 |
| Sorghum (JowarorGreat Millet) | INM | 10/9/2015 | रब्बी ज्वारीची पेरणी 15 ऑक्टोबरपर्यंत करता येते. पेरणीसाठी हलकी जमीन : सिलेक्शन-3, फुले माउली,मध्यम जमीन : फुले चित्रा, फुले माउली, मालदांडी-३५-1,भारी जमीन : वसुधा, फुले यशोदा, सीएसव्ही-२२ बागायतीसाठी : फुले वसुधा, फुले यशोदा, सीएसव्ही-२२ या वाणांचा वापर करावा.ज्वारीची पेरणी ४५ X 15 सेमी. अंतरावर करावी. पेरणीपूर्वी प्रतिकिलो बियाण्यास गंधक (३०० मेश) ४ ग्रॅम चोळावे, तसेच २५ ग्रॅम अॅझोटोबॅक्टर व पीएसबी या जीवाणू संवर्धकाची प्रक्रिया करून हेक्टरी १० किलो बियाणे वापरावे. | 1 |  |  |  |  |  |  | 245 | 27 | 272 |
| Cotton | INM | 10/9/2015 | कपाशीमध्ये पंढरी माशी आणि तुडतुडे या किडींचा प्रादुर्भाव दिसून आल्यास नियंत्रणासाठी थायमेथोक्झाम ४ ग्रॅम प्रति १० लिटर पाण्यात मिसळून फवारणी करावी.४ किलो डीएपी (१८:४६:०) प्रति १० लिटर पाण्यात रात्रभर भिजवून नंतर वस्त्रगाळ करून या द्रावणाची प्रतिएकरी २०० लिटर पाण्यात मिसळून फवारणी करावी. | 1 |  |  |  |  |  |  | 455 | 66 | 521 |
| Bengal Gram (Gram/Chick Pea/Kabuli/Chana) | IPM | 10/9/2015 | हरभरा हे रब्बी हंगामातील पिक असल्याने कोरडे व थंड हवामान त्याला मानवते.जिरायती क्षेत्रामध्ये २५ सप्टेंबर नंतर जमिनीची ओल उडून जाण्यापूर्वी पेरणी करावी. यासाठी प्रामुख्याने विजय हा वाण वापरावा.बागायती हरभरा २० ऑक्टोबर ते १० नोव्हेंबर या दरम्यान पेरावा. त्याकरिता दिग्विजय, विरत, विढाल या वनांचे बियाणे उपलब्ध करून ठेवावे. | 1 |  |  |  |  |  |  | 68 | 6 | 74 |
| wheat | IPM | 10/9/2015 | Gahu peranichya 15 divas agodar 10-15 ton/hektri changale kujlele shenkhat takave. Peranichya veli 10kilo biyanyas 250 gm azetobactar v p.s.b. jivanu sanvardhan khantachi beezprakriya karavi. Tasech 130 kilo/ hektar neemkoted urea , 375 kilo/hektar singal super phosphate v 70 kilo/hektar muret of potash dyave .vril khatmatra mati parikshyan karunch dyavit. | 1 |  |  |  |  |  |  | 871 | 76 | 947 |
| Bengal Gram (Gram/Chick Pea/Kabuli/Chana) | IPM | 10/9/2015 | Harbhara pernichya 15 divas agodar 5 ton /hektari changale kujlele shenkhat takave. Pernichya veli 10 kilo biyanyas 250 gm royzobiyam v p.s.b jivanu sanvrdhan khantachi bezprakriya karavi . tasecha 125 kilo /hektari d.a.p. v 50 kilo/hektari muret of potash dyave. Vril khatmatra mati prikshyan karunch dyavit. | 1 |  |  |  |  |  |  | 68 | 6 | 74 |
| Grape | INM | 10/9/2015 | 1400 kilo/hektri singal super phosphate octobar chhatnichya veli dyava. Chhatninantar 15 divasanni 434 kilo/hektri neemc oted urea dyava. Tasech 344 kilo/hektri muret of potash dyava . vril khatmatra mati prikshyan karunch dyavit. | 1 |  |  |  |  |  |  | 569 | 12 | 581 |
| Onion | INM | 10/9/2015 | Kanda lagvadipurvi 15-20 ton/hektri changale kujlele shenkhat takave. 100 kilo/hektri neemcoted uera lagvadi veles dyava , 300 kilo/hektari singal supar phosphate tasech 100 kilo/hektar muret of potash lagvadi velesach dyava. Vril khat matra mati prikshan karunch dyavit. | 1 |  |  |  |  |  |  | 969 | 90 | 1059 |
| Tomato | INM | 10/9/2015 | Tomato pik lagvadipurvi 15 divas agodar 20 ton/hektri changale kujlele shenkhat takave . 325 kilo/hektri lagvadichya veli neemcoted urea dyava, 950 kilo/hektri singal supar phosphate tasech 250 kilo/hektri muret of potash dyava. Vril khat matra mati prikshan Kruncha dyavit. | 1 |  |  |  |  |  |  | 854 | 82 | 936 |
| Onion | INM | 10/15/2015 | Kanda pikala Kdnashke sanjivke vaprasabandhi kharediveli bil ghya. Ban kinva restricted ahe ka he paha v label klem vacha phi, mrl tapasa. favarnitun sukshmdrvye 5 mili/ltr ya punrlagninantar 60 ani 75 divsani dyavit natrchya kamtartemule pane pivli padli aslyas uria 10 gm/ltr favarni karavi. | 1 |  |  |  |  |  |  | 969 | 90 | 1059 |
| Onion | INM | 10/15/2015 | Kanda pikala fulkide v panavril rog sathi Mankozeb 2.5 gm ani mithomil 0.8gm/ltr punrlagnichya 15 divsani favara. Pahilya favarnichya 10-15 divsani karbosalfan 2 mili ani trysayklyazol 1 gm/ltr favara, dusarya favarnila 10-15 divsane profenofos 1 mili ani hexokonyazol 1 gm/ltr ya pramanat avshyktenusar favarave. | 1 |  |  |  |  |  |  | 969 | 90 | 1059 |
| Onion | INM | 10/15/2015 | Kanda pikala Punrlavnichya 110 divsane kharip kanda pikachi kadhni karavi. Kadhnipurvi rikama baral firvun krutrim ritine mana padavya lagtat. Kandakadhnichya 10 divas agodar pani dene band karave.pavsamadhe pikachi kadhni karu naye. Pani shoshlelya kandamadhye sathvan kshmata kami asate. Ase kande tvarit bazaramdhye pathvavet. | 1 |  |  |  |  |  |  | 969 | 90 | 1059 |
| Onion | INM | 10/15/2015 | Kanda pikala rop punrlavnichya veli 40 kilo natr dyave. Matr sphurad palash v gandhak yanchya purn matra dyavyat. Urvrit natrachya matra don saman haptyant punrlagninantar 30 ani 45 divsani dyavyat. | 1 |  |  |  |  |  |  | 969 | 90 | 1059 |
| Onion | INM | 10/15/2015 | Kanda pikala thibak sinchan padhti vaprlyas, ropanchya punrlagnichya veli 40 kilo natr deun, urvrit natr saha saman haptyant vibhagun dr 10 divasani dyave.ayzospirilm ani sphurad virghalvanare jivanu (psb) yancha 5 kg/hectar dyavyat. Punrlavnipurvi kinva Punrlavniveli oxisforfen(23.5% EC) 1.5-2 mili/ltr kinva pendimithelin(30%EC)3.5-4 mili/ltr ya prmane tannashak vapra. | 1 |  |  |  |  |  |  | 969 | 90 | 1059 |
| Onion | INM | 10/15/2015 | Kanda pikala don olit 15 cm v don ropat 10 cm antar thevun 35-40 divsanchya ropanchi punrlagan karavi. Rope uptun tyanchya panancha shenda 1/3 bhag punrlagnipurvi kapun taka.Burshi rog upay mhnun karbendazim 1 gm/ltr ya dravnat roanchi mule budvun nantarch punrlgavun kara. Hyaveli v nantar 3 divasani pani avshyak ahe.Fulkide,panrog hyasathi 0.8gm ani mankozeb 2 gm/ltr ya pramanat dya. | 1 |  |  |  |  |  |  | 969 | 90 | 1059 |
| Tomato | INM | 8/15/2015 | Tomatocha don ropa madhil jaget kothimbir,methi.chavli ya sarkhi aantarpike lawawit.prateyak sariwar |  |  |  |  |  |  |  | 854 | 82 | 936 |
| Tomato | INM | 10/15/2015 | Karle,ghosali,dodke,Tomato lawnyachi padhat ekach ahe.tarewar kiwa mandaw ghalun he wel lawta yetat. |  |  |  |  |  |  |  | 854 | 82 | 936 |
| wheat | IPM | 10/15/2015 | Dhanya surakshit thewnyasathi kapni kelyawar dhanya khalyawarach change walawawe aani saf karawe.dhanyala oalawa lagu naye yasathi dhanyachi poti lakadi falya athawa polythen shitwar aani bhintipasun dur thewawit. |  |  |  |  |  |  |  | 871 | 76 | 947 |
| Onion | INM | 10/15/2015 | Kanda pikala 5-7 gunthe/hect 5-7 kg biyane lagtat. 1/2ton kujlele shenkht taka. Gadi vafe 10-15cmunch 1 miter rund ase karave.marrogsathi trykoderma viridi 1250gm/kg mati vapra. Pernipurvi natr:shpurad:palash 4:1:1kg/ 500 varg miter asave.marrogsathi metalexil 2 gm/ltr pramane panavar dya.Vis divsane 2kg natr dya 500-700 vargmiter. Fulkide sathi fipronil/profenox 1 mili/ltr panavar dya. Mankozeb/trysayklozel/hexakonyazol 1 mili/ltr panavar dya. | 1 |  |  |  |  |  |  | 969 | 90 | 1059 |
| Pomegranate | IPM | 11/19/2015 | bhuri niyantransathi CANOPICHI dati kami kara. kami potash mule bhuri vadhte he talnyas potashium fosphete (0:52:34) 2 gm/ ltr fawara. fulorya adhi sulphur 80 wg 1.5gm/ltr hexoconyazol 5 EC 1 ml/ltr kinva flyusilyazol 40 EC 25 ml/ 200 ltr fawarapotashium bikarbonate jodila 5 gm/ltr fawara. | 1 |  |  |  |  |  |  | 919 | 88 | 1007 |
| Wheat | IPM | 11/23/2015 | Gahu Pernichyaveli 150 kg/ha neemkoated urea tasech 3785 kg/ha SSP ani 70kg/ha MOP dyave | 1 |  |  |  |  |  |  | 871 | 76 | 947 |
| Bengal Gram (Gram-Chick Pea-Kabuli-Chana)Crt | IPM | 11/23/2015 | harbhara pernipurvi 10kg biyanyas 250gm rhizobium ani 250gm PSB jivanusanvardhan khat cholave, tasech perniveli 125kg DAP, 50kg DAP/ha dyave | 1 |  |  |  |  |  |  | 68 | 6 | 74 |
| Grape | INM | 11/23/2015 | Draksh chatninantar 30-45 divsani 300kg/ha neemcoated urea ani 120kg/ha MOP dyave. | 1 |  |  |  |  |  |  | 569 | 12 | 581 |
| Onion | INM | 11/23/2015 | onion pikasathi 20-25 ton/ha shenkhat lagwadipurvi 10-15 divas pahile dyave lagwadipurvi 100 kg/ha neem coated urea tasech 300kg/ha ssp v 90kg/ha MOP dyave | 1 |  |  |  |  |  |  | 969 | 90 | 1059 |
| Cauliflower | INM | 11/23/2015 | flower lagwadi agoder 20 ton/ha shenkhat takave 16kg/ha neem coated urea v 450kg/ha SSP v 130 kg/ha MOP lagwadiveli dyave | 1 |  |  |  |  |  |  | 203 | 6 | 209 |
| Onion | INM | 2/17/2016 | [Kanda,Lasunas dhagalvatvrnamule Tapkiri Karpa /Jambhala Karpa Ya Rogancha Tasech Fulakidicha Pradubhav rokhnyas Kabendajhim 1gm/Ltr Kinva Menkojheb 2.5gm/Ltr Panyat Misalun Favara Dravanat 1ml. Sarfhectant Misala. Fhulakidyanchya Niyntrnas Kabosalfhan 2 ML.Kiva Profhenofos mL./Ltr Panyat Misalun Fhvara.](javascript:void(0);) | 1 |  |  |  |  |  |  | 969 | 90 | 1059 |
| Pomegranate | IPM | 2/17/2016 | [Dhagal Vatawarnamule Karapa, Telkata Daga Yeu Shakatat . Upay Mhanun Baktinashak Kiva Bromopal 25gm/100 Ltr Panyat Fhvara. Bliching Pavadar Kiva Kopar Dust 8 Kg/ Ekar Baget Jaminivar Dhurala. Mava, Tudtude Ya Kidichya Niyantranasathi Ajhadirektin (300 Pipiama) Ek Mi.Li. Prati Litar Panyat Fhvara.](javascript:void(0);) | 1 |  |  |  |  |  |  | 919 | 88 | 1007 |
| Grapes | IPM | 2/17/2016 | [fulzadanvar Bhuri Rogacha niyantranas Hekjhakonyazol 1 Ml.Kiva Penkonjhol 0.5 ml /Ltr Panyat Fhvara. Mava Kidachya Sathi imidakloprid 03 ML/Ltr Panyat Misalun Favara. Karpa Sathi Menkojheb 2.5 gm/Ltr Panyat Misalun Favara .](javascript:void(0);) | 1 |  |  |  |  |  |  | 569 | 12 | 581 |
| Wheat | IPM | 2/17/2016 | [gahu pikat Mava Kid Niyantranasathi Metrhayajhiyam Anisopli 40 gm/10 Ltr Panyat Misalun Favara. Pikanvar jo pradubhav ahe tyanusar Favarni kara](javascript:void(0);) | 1 |  |  |  |  |  |  | 871 | 76 | 947 |
| Wheat | IPM | 2/17/2016 | [gahupikat Je Van Tambera Pratikark Nasatil tethe Menkojheb 1500 gm/500 Ltr Panyat Misalun Ek Hektar Kshetravar Favara.](javascript:void(0);) | 1 |  |  |  |  |  |  | 871 | 76 | 947 |
| Sugarcane | INM | 2/16/2016 | [Rasaynik khate suru usasathi 54 kilo nimkoted uria 375 kilo single super phospete, 100 kilo murate of potash lagavanichy veli takave .](javascript:void(0);) | 1 |  |  |  |  |  |  | 404 | 38 | 442 |
| Sugarcane | INM | 2/16/2016 | [Usasathi/hector shen khat takave kinva 5 tan gandul khat/hector us lagvadi purvi dusarya nangarni veli ardhi matra va urleli 1/2 mkatra chari sodnayadhi ghayvi.](javascript:void(0);) | 1 |  |  |  |  |  |  | 404 | 38 | 442 |
| Onion | INM | 2/16/2016 | [Kanda lagavadi nantar 30 te 45 divasani 100 kilo hectori nimkoted uria dyava parantu parantu ek khurapani karun ghyvi .](javascript:void(0);) | 1 |  |  |  |  |  |  | 969 | 90 | 1059 |
| Grape | INM | 2/16/2016 | [Drkshas pani utarnychy awastet 140 kilo sulphate of potash dayva.](javascript:void(0);) | 1 |  |  |  |  |  |  | 569 | 12 | 581 |
| Bengalgram | IPM | 2/16/2016 | [Harbara pik phoole tyat astana ani ghate bhrnychy awstemadhe 2 takkeuriachi favarni karavi.](javascript:void(0);) | 1 |  |  |  |  |  |  | 68 | 6 | 74 |
| Wheat | IPM | 2/16/2016 | [Gahu pik 55 va 70 divasache zalynantar 2 takke 19:19:19 ya khtachi don vela favarni karavi.](javascript:void(0);) | 1 |  |  |  |  |  |  | 871 | 76 | 947 |
| Cattle | Clean Milk Production | 2/16/2016 | जनावरांची पाण्याची भांडी स्वच्छ ठेऊन, दिवसातून किमान 4 वेळा त्यांना स्वच्छ पाण्याचा पुरवठा करावा. | 1 |  |  |  |  |  |  | 1307 | 116 | 1423 |
| Cattle | Clean Milk Production | 2/16/2016 | जनावराचे दुध देण्याचे प्रमाण जर कमी झाले असेल तर, त्याची दुध आणि लघ्वी प्रयोगशाळेमध्ये तपासणीसाठी पाठवा. | 1 |  |  |  |  |  |  | 1307 | 116 | 1423 |
|  |  |  |  |  |  |  |  |  |  |  | 37335 | 3007 | 40342 |

**(B). Details of SMSs Delivered**

|  |  |  |  |
| --- | --- | --- | --- |
| **Content category** | **No. of Messages** | **No. of Farmers** | **Feedback from farmers** |
| Crop Production | 38 | 26077 |  |
| Crop Protection | 13 | 8573 |  |
| Livestock & Fisheries Advisory | 2 | 2846 |  |
| Weather Advisory | 1 | 2846 |  |
| Market information |  |  |  |
| Events information |  |  |  |
| Inputs availability |  |  |  |
| Others (specify) |  |  |  |
| **Total** | **54** | **40342** |  |

**3.5 B Details on Technology Week Celebrations**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Date of Technology Week observed**  **(DD/MM/YYYY)** | **S.No** | **Types of Activities** | **No. of Activities**  **(No./Qty)** | **No. of**  **beneficiaries** | | | **Related crop/livestock technology** |
| Male | Female | Total |  |
| 16-18 October, 2015 | 1 | Diagnostic Practical(No.) |  |  |  |  |  |
| 2 | Exhibition(No.) | 6 | 382 | 247 | 629 |  |
| 3 | Farm Visit(No.) | 3 | 382 | 247 | 629 |  |
| 4 | Film show(No.) | 3 | 382 | 247 | 629 |  |
| 5 | Gosthies (No.) |  |  |  |  |  |
| 6 | Lectures organized(No.) | 6 | 382 | 247 | 629 |  |
| 7 | **Production of material** |  |  |  |  |  |
| a. | Seed (q) | - | - | - | - |  |
| b. | Planting materials (No.) | - | - | - | - |  |
| c. | Bio Fertilizers (q) | - | - | - | - |  |
| d. | Bio-pesticides | - | - | - | - |  |
| e. | fish Fingerlings (( No) | - | - | - | - |  |
| f. | Others (specify) | - | - | - | - |  |
| 8 | Literature (No.) | 3 | 382 | 247 | 629 |  |
| 9 | Seminars conducted (No.) | 2 | 382 | 247 | 629 |  |
| 10 | Total number of farmers visited the technology week(No.) |  | 382 | 247 | 629 |  |
| 11 | No. of other agencies involved(No.) | 6 | NA | NA | NA |  |

**3.5 Production and supply of Technological products**

**SEED MATERIALS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Major group/class** | **Crop** | **Variety** | **Quantity (qtl.)** | **Value (Rs.)** | **Provided to No. of Farmers** |
|
| **CEREALS** |  |  |  |  |  |
| **OILSEEDS** |  |  |  |  |  |
|  | Soybean | KDS- 344 | 8 qtl | 24000 | Will be provided in Kharif- 2016 |
| **PULSES** |  |  |  |  |  |
| **VEGETABLES** |  |  |  |  |  |
|  | Drumstick | PKM-1 | 932 | 9320 | 45 |
| **FLOWER CROPS** |  |  |  |  |  |
| **OTHERS (Specify)** |  |  |  |  |  |

\*An example for guidance only

**SUMMARY**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Major group/class** | **Quantity (qtl.)** | **Value (Rs.)** | **Provided to No. of Farmers** |
|
| 1 | CEREALS | - | - | - |
| 2 | OILSEEDS | 8 | 24000 | Will be provided in Kharif- 2016 |
| 3 | PULSES | - | - | - |
| 4 | VEGETABLES | 932 | 9320 | 45 |
| 5 | FLOWER CROPS | - | - | - |
| 6 | OTHERS | - | - | - |
| **TOTAL** | | **932** | **9320** | **45** |

**PLANTING MATERIALS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Major group/class** | **Crop** | **Variety** | **Name of the product (Slips/cuttings/seedlings etc)** | **Quantity (Nos.)** | **Value (Rs.)** | **Provided to No. of Farmers** |
| **FRUITS** | Mango | Kesar | Grafts | 25151 | 1257550 | Will be provided in  Kharif - 2016 |
|  |  | Ratna | Grafts | 2873 | 143650 |
|  |  | Sindhu | Grafts | 1393 | 69650 |
|  |  | Alphanso | Grafts | 435 | 21750 |
|  |  | Banganpalli | Grafts | 292 | 14600 |
|  |  | Pairi | Grafts | 99 | 4950 |
|  |  | Dudhpedha | Grafts | 57 | 2850 |
|  |  | Totapuri | Grafts | 2 | 100 |
|  |  | Amrapali | Grafts | 160 | 8000 |
|  |  | Vanraj | Grafts | 2 | 100 |
|  | Guava | L-49 | Grafts | 1626 | 81100 |
|  |  | Lalit | Grafts | 49 | 2450 |
|  | Sapota | Kalipatti | Grafts | 77 | 3800 |
|  | Jackfruit | Kapa | Seedlings | 198 | 4950 |
|  | Custard  Apple | Hyderabad  Selection | Grafts | 52 | 2585 |
|  | Litchi | Sahi | Grafts | 76 | 3800 |
|  | Avocado |  | Seedlings | 32 | 6400 |
| **SPICES** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **VEGETABLES** | Drumstick | PKM-1 | Seedlings | 932 | 9320 |  |
|  |  |  |  |  |  |  |
| **FOREST SPECIES** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **ORNAMENTAL CROPS** |  |  |  | 52 | 1040 |  |
|  |  |  |  |  |  |  |
| **PLANTATION CROPS** | Coconut | Banavali | Seedlings | 21 | 1500 | Will be provided in  Kharif - 2016 |
|  |  |  |  |  |  |  |
| **Others (specify)** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SUMMARY | | | | |
| **Sl. No.** | | **Major group/class** | **Quantity (Nos.)** | **Value (Rs.)** | **Provided to**  **No. of Farmers** | |
| 1 | | FRUITS | 32574 | 1628285 |  | |
| 2 | | VEGETABLES | 932 | 9320 |  | |
| 3 | | SPICES | - | - |  | |
| 4 | | FOREST SPECIES | - | - |  | |
| 5 | | ORNAMENTAL CROPS | 52 | 1040 |  | |
| 6 | | PLANTATION CROPS | 21 | 1500 |  | |
| 7 | | OTHERS | - | - |  | |
|  | | **TOTAL** | **33579** | **1640145** |  | |

**BIO PRODUCTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Major group/class** | **Name of the Product** | **Species** | **Quantity** | | **Value (Rs.)** | **Provided to No. of Farmers** |
| **No** | **(kg/lts/no)** |
|  |  |  |  |  |  |  |
| **BIOAGENTS** | **-** | **-** | **-** | **-** | **-** | **-** |
|  |  |  |  |  |  |  |
| **BIOFERTILIZERS** | **-** | **-** | **-** | **-** | **-** | **-** |
| 1 |  |  |  |  |  |  |
| **BIO PESTICIDES** | **-** | **-** | **-** | **-** | **-** | **-** |
| 1 |  |  |  |  |  |  |

|  |
| --- |
| **SUMMARY** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Product Name** | **Species** | **Quantity** | | **Value (Rs.)** | **Provided to No. of Farmers** |
| **No.s** | **(kg/lts/no)** |
| 1 | BIOAGENTS | **-** | **-** | **-** | **-** | **-** |
| 2 | BIO FERTILIZERS | **-** | **-** | **-** | **-** | **-** |
| 3 | BIO PESTICIDE | **-** | **-** | **-** | **-** | **-** |
|  | **TOTAL** | **-** | **-** | **-** | **-** | **-** |

**LIVESTOCK**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Type** | **Breed** | **Quantity** | | **Value (Rs.)** | **Provided to No. of Farmers** |
| **Nos** | **Kgs** |
| Cattle | - | - | - | - | - | - |
| SHEEP AND GOAT |  |  |  |  |  |  |
|  | Goat | Osmanabadi | 16 | 240 | 72000 |  |
| POULTRY |  |  |  |  |  |  |
|  | Hen | Giriraja | 1075 | 268.75 | 34938 | 77 |
| FISHERIES | - | - | - | - | - | - |
| Others (Specify) | - | - | - | - | - | - |

|  |
| --- |
| **SUMMARY** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Type** | **Breed** | **Quantity** | | **Value (Rs.)** | **Provided to No. of Farmers** |
| **Nos** | **Kgs** |
| 1 | CATTLE | **-** | **-** | **-** | **-** | **-** |
| 2 | SHEEP & GOAT | Osmanabadi | 16 | 240 | 72000 |  |
| 3 | POULTRY | Giriraja | 1075 | 268.75 | 34938 | 77 |
| 4 | FISHERIES | **-** | **-** | **-** | **-** | **-** |
| 5 | OTHERS | **-** | **-** | **-** | **-** | **-** |
|  | **TOTAL** |  | **1091** | **508.75** | **106938** | **77** |

**3.6. Literature Developed/Published (with full title, author & reference)**

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)

(B) Literature developed/published

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Title** | **Authors name** | **Number of copies** |
| Books |  |  |  |
| Booklets |  |  |  |
| Brouchers |  |  |  |
| Leaflets |  |  |  |
| folders |  |  |  |
| Pamphlets |  |  |  |
| Popular Articles | Select short duration varieties | Dr. Prakash Kadam | Agrowon (28.07.2015) |
|  | Contingency crop and water management | Dr. Prakash Kadam | Krishi Jagaran Magazine (July 2015) |
|  | Use of Sulphur fertilizers | Dr. Prakash Kadam | Krishi Jagaran Magazine (Sept 2015) |
|  | Sustainable development through integrated farming | Dr. Nitin Thoke | Loksatta (04.02.2016) |
|  | Sustainable development through integrated farming | Dr. Nitin Thoke | Agrotech Magazine (September- 2015) |
| News letter |  |  |  |
| Research papers |  |  |  |
| Technical reports | 1 |  |  |
| Poster Presentation |  |  |  |
| Success Stories(Published/Printed) |  |  |  |
| CD/DVD produced |  |  |  |
| Any other (specify) |  |  |  |
| **Grand Total** | **3** |  | **300** |

N.B. Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

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

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

**3.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs)**

**3.8 Give details of innovative methodology/technology developed and used for Transfer of Technology during the year**

* + Integrated Farming System Model for implementing KVK activities
  + Collaboration with TANISHQ women groups of SAKAL media

3.9 Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Crop / Enterprise** | **ITK Practiced** | **Purpose of ITK** |
|  |  |  |  |

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

**Practicing Farmer:**

1. Identification of courses for farmers/farm women

2. PRA survey of the village, Group discussions, Diagnostic visits, farmers visit to

KVK

**Rural Youth**:

The selection of participants for Vocational training programme on nursery Management following tools and methodology

1. Village survey to assess the needs

2. Personal interview

3. Publicity

4. Awareness among the RY for self-employment.

5. Group discussions

**In-service personnel**

1. Functional linkages with agriculture department and RAMETI and NGO working in agriculture field

- Identification of courses for farmers/farm women

**3.11 Field activities**

i. Number of villages adopted : 10

ii. No. of farm families selected: 80

iii. No. of survey/PRA conducted: 01

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

Status of establishment of Lab :

1. Year of establishment : 2006

2. List of equipments purchased with amount :

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No | Name of the Equipment | Qty. | Cost (Rs.) |
| 1 | Electronic digital pan Balance Capacity 200 gm Tare (I) | 01 | 14,074 |
| 2 | Digital PH meter model No-361 (U) | 01 | 13,650 |
| 3 | Conductivity meter model no. EQ 660A (I) | 01 | 7150 |
| 4 | Digital PH meter model No-610 (U) | 01 | 9628 |
| 5 | Specrto Photometer 104 (I) | 01 | 49069 |
| 6. | Flame Photometer 128 (U) | 01 | 37847 |
| 7. | Electronic digital pan balance (U) | 01 | 40000 |
| 8. | Magnetic stirrer remi (I) | 01 | 3967 |
| 9. | Soil testing kit with DOM, TDS (I) | 01 | 30150 |
| 10. | Centrifugal machine remi (U) | 01 | 1500 |
| 11. | Muffle furnace (U) | 01 | 24000 |
| 12. | Hot water steel jacket distillery unit | 01 | 7000 |
| 13 | Hot air oven (I) | 01 | 14000 |
| 14 | Refrigerator | 01 | 8000 |
| 15 | Water softner (I) | 01 | 33413 |
| 16 | Computer P3 with printer (I) | 01 | 49000 |
| 17 | Nitrogen analyzer GENE –1 (I) | 01 | 89000 |
| 18 | INF- RAP micro and macro digestion unit (I) | 01 | 100000 |
| 19 | Rotary shaker (I) | 01 | 8000 |
| 20 | Microkjeldal nitrogen assembly (U) | 01 | 3500 |
| 21 | Microkjeldal nitrogen assembly (U) | 01 | 1325 |
| 22 | Kjeldal digestion assembly (U) | 01 | 13836 |
| 23 | Double distillation assembly (U) | 01 | 22000 |
| 24 | Systronic conductivity meter (U) | 01 | 15942 |
| 25 | Digital visible spectro photo meter Model- 166 (U) | 01 | 37847 |
| 26 | Soil/ water testing software (I) | 02 | 22040 |
| 27 | Pusa Soil testing unit (I) | 01 | 93600 |
| Total | | **28** | 749538 |

(U) University, (I) ICAR

3. Details of samples analyzed so far :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Details | No. of Samples | No. of Farmers | No. of Villages | Amount realized |
| Soil Samples | 351 | 264 | 63 | 35100 |
| Water Samples | 42 | 37 | 28 | 4200 |
| Plant Samples | - | - | - | - |
| Petiole Samples | - | - | - | - |
| Total | 393 | 301 | 91 | 39300 |

3.13. Activities under rainwater harvesting (for those KVKs ……………….)

| Date  (DD/MM/YYYY) | Nature of Activity | Title | Beneficiary Type(PF/RY/EF) | No. of Courses | No. of SC/ST Participants | | | No. of other Participants | | | Total Participants | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M | F | Total | M | F | Total | M | F | Total |
| NA | | | | | | | | | | | | | |

**4.0 IMPACT**

* 1. **Impact of KVK activities (Not to be restricted for reporting period).**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of specific technology/skill transferred** | **No. of participants** | **% of adoption** | **Change in income (Rs.)** | |
| **Before (Rs./Unit)** | **After (Rs./Unit)** |
|  |  |  |  |  |

**NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.**

**4.2. Cases of large scale adoption**

**(Please furnish detailed information for each case)**

**4.3 Details of impact analysis of KVK activities carried out during the reporting period**

**5.0 LINKAGES**

**5.1 Functional linkage with different organizations**

|  |  |
| --- | --- |
| **Name of organization** | **Nature of linkage** |
| 01. Dept. of Agriculture | KVK Organized various training programmes for extension functionaries of the department in collaboration with the Department of Agriculture, ATMA programme. |
| 02. MPKV, Rahuri | Supply of seed material for FLD (O & P) |
| 03. Dr. B. S.Konkan Krishi Vidyapeeth, Dapoli | Supply of grafts, seedling of coconut, Sapota, etc. |
| 04. AIR, Nashik | Broadcasting various agricultural programmes for farmers |
| 05. NHRDF, Nashik | Supply of seed of latest variety of onion, garlic, and technical know how for establishing soil testing laboratory and training to farmers from outside states. |
| 07. News paper | Publicity to KVK activities, publishing the popular articles |
| 08. YCMOU, Nashik | Agricultural programmes through distance mode of education, financial help as & when required for the development of KVK. |
| 09. Dept. AH, Nashik | Data regarding Animals |
| 10. NHM | Finance for establishing Hi- tech training cun demonstration projects |
| 11. CRIDA, Hydrabad | Source for improved technology in farm implements and machineries |
| 12. CIAE, Bhopal | Source for improved technology in farm implements and machineries/ Front line demonstration programmes. |
| 13. IIHR, Banglore | New techniques and OFT / FLD |
| 14. PD, Biocontrol Banglore | Bio-control agent |
| 15. MANAGE, Hyderabad | Management training HRD |
| 16. NARM, Hyderabad | Training in advance techniques for HRD, FET |
| 17. CPDO, Mumbai | Authentic source for traditional poultry birds |
| 18. KVK, Dhule | Source of fingerlings |
| 19. Dept. Fishery | Technical information and data of fisheries |
| 20. Dept. of Forest | Medicinal plant |
| 21. FDCM, Nashik | Social forestry development |
| 22. NIN, Hyderabad | Human Nutrition technology |

* 1. **List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the scheme** | **Date/ Month of initiation** | **Funding agency** | **Amount (Rs.)** |
|  |  |  |  |

**5.3 Details of linkage with ATMA**

a) Is ATMA implemented in your district Yes/No

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Programme** | **Nature of linkage** | **Remarks** |
| 01 | SREP | Preparation of SREP for Nashik District | Rs. 100000 finance from ATMA |

**5.4 Give details of programmes implemented under National Horticultural Mission**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Programme** | **Nature of linkage** | **Constraints if any** |
| **NIL** | | | |

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

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

**6. PERFORMANCE OF INFRASTRUCTURE IN KVK**

**6.1 Performance of demonstration units (other than instructional farm)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl. No. | Demo Unit | Year of estt. | Area | Details of production | | | Amount (Rs.) | | Remarks |
| Variety | Produce | Qty. | Cost of inputs | Gross income |
| 01. | Vermi compost | 1996 | 3100 Sq.Ft. | - | Vermi compost | - | - | - | Used on KVK Farm |

**6.2 Performance of instructional farm (Crops) including seed production**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
| Soybean | Kharif 2015 | Nov 15 | 0.4 | KDS- 344 | Seed | 8 qtl | 12500 | 24000 |  |
| **Floriculture** |  |  |  |  |  |  |  |  |  |
| **Fruits** |  |  |  |  |  |  |  |  |  |
| Mango | 29.06.1996 | May- June 15 | 7.5 | Kesar, Ratna, Sindhu | Fruits | Auction Sale | 300000 | 1480000 |  |
| Guava | 30.06.1996 | Round year | 2 | L-49 | Fruits | Auction Sale | 75000 | 293000 |  |
| Sapota | 29.06.1996 | Round year | 2 | Kalipatti | Fruits | Auction | 40000 | 222000 |  |
| Aonla | 11.06.1995 | Round year | 2 | Krishna, Kanchan, NA-7 | Fruits | 3312 | 30000 | 35690 |  |
| Grapes | 15.09.2012 | Feb 2016 | 2 | Thompson | Fruits | 9722 | 290000 | 215149 |  |
| Jackfruit | 30.06.1999 | Apr-May 14 | Border | Kapa | Fruits | Auction Sale | 35000 | 101000 |  |
|  |  |  |  |  |  |  |  |  |  |

* 1. **Performance of production Units (bio-agents / bio-pesticides/ bio-fertilizers etc.,)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No. | Name of the Product | Qty  (Kg./Lit./No.) | Amount (Rs.) | | Remarks |
| Cost of inputs | Gross income |
| - | - | - | - | - | - |

* 1. **Performance of instructional farm (livestock and fisheries production)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No | Name  of the animal / bird / aquatics | Details of production | | | Amount (Rs.) | | Remarks |
| Breed | Type of Produce | Qty. | Cost of inputs | Gross income |
| - | - | - | - | - | - | - | - |

**6.5 Rainwater Harvesting**

Training programmes conducted by using Rainwater Harvesting Demonstration Unit BD21421_

| Date  (DD/MM/YYYY) | Title of the training course | Client (PF/RY/EF) | No. of Courses | No. of SC/ST Participants | | | No. of Other Participants | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M | F | Total | M | F | Total |
| NA | | | | | | | | | |

**6.5 Utilization of hostel facilities**

Accommodation available (No. of beds): 60

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Months** | **Title of the training course/Purpose of stay** | **No. of trainees stayed** | **Trainee days (days stayed)** | **Reason for short fall (if any)** |
| April 2015 |  |  |  |  |
| Total |  |  |  |  |
| May 2015 |  |  |  |  |
|  | Soil & Water Testing | 4 | 60 |  |
| **Total** |  | **4** | **60** |  |
| June 2015 |  |  |  |  |
| **Total** |  |  |  |  |
| July 2015 |  |  |  |  |
|  | Commercial Processing Techniques of soybean & its use in human diet | 9 | 27 |  |
| **Total** |  | **9** | **27** |  |
| August 2015 |  |  |  |  |
|  | Horti nursery mgmt | 22 | 330 |  |
|  | Protected Cultivation of commercial flowers and selected vegetable crops, nurseries for the district | 34 | 170 |  |
| **Total** |  | **56** | **500** |  |
| September 2015 |  |  |  |  |
|  | Post harvest mgmt of veg | 14 | 70 |  |
|  | Commercial processing techniques of soybean and its use in human diet | 9 | 27 |  |
|  | Soil analysis, interpretation & recommendation of fertilizers in pulses crop | 34 | 68 |  |
| **Total** |  | **57** | **165** |  |
| October 2015 |  |  |  |  |
|  | Exotic Vegitable production & post harvest mgmt | 21 | 105 |  |
|  | Protected cultivation of commercial flowers & slelected veg crops nurseries for the district | 27 | 135 |  |
|  | Protected cultivation of commercial flowers & selected vegetables crops nurseries for the district(MACP,ATMA) | 33 | 165 |  |
|  | Training on anola processing | 17 | 51 |  |
| **Total** |  | **98** | **456** |  |
| November 2015 |  |  |  |  |
| Total |  |  |  |  |
| December 2015 |  |  |  |  |
| Total |  |  |  |  |
| January 2016 |  |  |  |  |
|  | Post harvest management of pomegranate | 16 | 64 |  |
| **Total** |  | **16** | **64** |  |
| February 2016 |  |  |  |  |
|  | Commercial seed prod in oilseed, pulses & cereals | 33 | 165 |  |
| **Total** |  | **33** | **165** |  |
| March 2016 |  |  |  |  |
| Total |  |  |  |  |
| Grand total |  |  |  |  |

5 X 25= 125 (Duration of the training course X No. of trainees)

**6.6 INTERVENTION ON DROUGHT MITIGATION**

**A) Introduction of alternate crops/varieties**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **State** | **District** | **Name of the**  **KVK** | **Type of KVK**  **(SAU/**  **NGO/**  **ICAR)** | **Name of Crop** | **Category**  **(Oilseeds/**  **Pulses/**  **Cereals/**  **Vegetable crops/**  **Fruits/F**  **odder/**  **Spices/**  **Cash crops)** | **Name of tolerant variety** | **Area (ha)** | **Number of beneficiaries** |
| - | - | - | - | - | - | - | - | - |

**b) Farmers-scientists interaction on livestock management**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Livestock components** | **Number of interactions** | **No. of participants** | **Number of animal health camps organized** | **No. of animals** | **No. of farmers** |
| Poultry | 11 | 45 | - | - | - |
| Goatary | 12 | 36 | - | - | - |
| Dairy | 03 | 17 | - | - | - |
| Others | 02 | 19 | - | - | - |
| Total | 28 | 117 | - | - | - |

**c) Large scale adoption of resource conservation technologies (if any)**

|  |  |  |
| --- | --- | --- |
| **Name of resource conservation technology / Crops/cultivars introduced** | **Area (ha)** | **Number of farmers** |
| Jayawant Fodder (Hybrid Napier) | Bund Plantation | 28 |

**6.7. Insert Reports of Special Programmes/Projects tables (Date and report): Annexed**

1. Soil Testing and Soil Health Card Distribution
2. PPV & FR Act
3. TSP
4. ARYA
5. NICRA
6. Jai Kisan Jai Vigyan
7. Farmers First
8. Kisan Sammelan
9. Any Other (Specify)

**7. FINANCIAL PERFORMANCE**

**7.1 Details of KVK Bank accounts**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bank account** | **Name of the bank** | **Location** | **Account Number** |
| With Host Institute | Central Bank | YCMOU, Nashik | CD-1323004456 |
| With KVK |  |  |  |

* 1. **Utilization of funds under FLD on Oilseed *(Rs. In Lakhs)***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | **Released by ICAR** | | **Expenditure** | | **Unspent balance as on 1st April 2016** |
| **Kharif**  **2015-16** | **Rabi**  **2015-16** | **Kharif**  **2015-16** | **Rabi**  **2015-16** |
| Inputs | - | - | - | - | - |
| Extension activities | - | - | - | - | - |
| TA/DA/POL etc. | - | - | - | - | - |
| TOTAL | - | - | - | - | - |

**7.3 Utilization of funds under FLD on Pulses *(Rs. In Lakhs)***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | **Released by ICAR** | | **Expenditure** | | **Unspent balance as on 1stApril 2016** |
| **Kharif**  **2015-16** | **Rabi**  **2015-16** | **Kharif**  **2015-16** | **Rabi**  **2015-16** |
| Inputs | - | - | - | 90557 | - |
| Extension activities | - | - | - | 21260 | - |
| TA/DA/POL etc. | - | - | - | - | - |
| TOTAL | - | 112500 | - | 111817 | 683 |

**7.4 Utilization of funds under FLD on Cotton *(Rs. In Lakhs)***

|  |  |  |  |
| --- | --- | --- | --- |
| Item | **Released by ICAR** | **Expenditure** | **Unspent balance as on 1st April 2016** |
| **Kharif**  **2015-16** | **Kharif**  **2015-16** |
| Inputs | - | - | - |
| Extension activities | - | - | - |
| TA/DA/POL etc. | - | - | - |
| TOTAL | - | - | - |

**7.5 Utilization of KVK funds during the year 2014-15 and 2015-16 (upto March, 2016) (year-wise separately) (current year and previous year)**

**Year 2014- 15 (Audited statement)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.**  **No.** | **Particulars** | **Sanctioned** | **Released** | **Expenditure** |
| **A. Recurring Contingencies** | | | | |
| 1 | **Pay & Allowances** | 88.00 | 88.00 | 8816364 |
| 2 | **Traveling allowances** | 1.00 | 1.000 | 84818 |
| 3 | **Contingencies** | | | |
| *A* | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) | 1.34 | 1.34 | 200899 |
| POL, repair of vehicles, tractor and equipments |
| Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained) | 1.63 | 1.63 | 454805 |
| Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) |
| Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) |
| On farm testing (on need based, location specific and newly generated information in the major production systems of the area) |
| Training of extension functionaries |
| Maintenance of buildings |
| Establishment of Soil, Plant & Water Testing Laboratory |
| Library |
| **TOTAL (A)** | | **91.97** | **91.97** | **9556886** |
| **B. Non-Recurring Contingencies** | | | | |
| 1 | **Works** |  |  |  |
| 2 | **Equipments including SWTL & Furniture** |  |  |  |
| 3 | **Vehicle** (Four wheeler/Two wheeler, please specify) |  |  |  |
| 4 | **Library** (Purchase of assets like books & journals) |  |  |  |
| **TOTAL (B)** | |  |  |  |
| **C. REVOLVING FUND** | |  |  |  |
| **GRAND TOTAL (A+B+C)** | |  |  |  |

**Year 2015-16 (Tentative statement)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.**  **No.** | **Particulars** | **Sanctioned** | **Released** | **Expenditure** |
| **A. Recurring Contingencies** | | | | |
| 1 | **Pay & Allowances** | 144.00 | 85.00 | 9830915 |
| 2 | **Traveling allowances** | 1.00 | 1.75 | 88912 |
| 3 | **Contingencies** | | | |
| *A* | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) | 3.60 | 5.40 | 212464 |
| POL, repair of vehicles, tractor and equipments |
| Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained) |  |  |  |
|  |
| Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) |  |  |  |
| Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) |  |  |  |
| On farm testing (on need based, location specific and newly generated information in the major production systems of the area) |  |
| Training of extension functionaries |  |
| Maintenance of buildings | 4.40 | 6.60 |
| Establishment of Soil, Plant & Water Testing Laboratory | 525570 |
| Library |
| *4* | TSP | 0 | 5 | 499785 |
| **TOTAL (A+4)** | | **158** | **103.75** | **11172849** |
| **B. Non-Recurring Contingencies** | | | | |
| 1 | **Works** |  |  |  |
| 2 | **Equipments including SWTL & Furniture** |  |  |  |
| 3 | **Vehicle** (Four wheeler/Two wheeler, please specify) |  |  |  |
| 4 | **Library** (Purchase of assets like books & journals) |  |  |  |
| **TOTAL (B)** | |  |  |  |
| **C. REVOLVING FUND** | |  |  |  |
| **GRAND TOTAL (A+4+B+C)** | | **158** | **103.75** | **11172849** |

**7.6 Status of revolving fund (Rs. in lakhs) for the three years**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year** | **Opening balance as on 1st April** | **Income during the year** | **Expenditure during the year** | **Net balance in hand as on 1st April of each year** |
| April 2013 to March 2014 | 360092 | 3531821 | 3196659 | 695254 |
| April 2014 to March 2015 | 695254 | 2725227 | 2856986 | 563495 |
| April 2015 to March 2016 | 1123960 | 4586336 | 3864148 | 1846148 |

1. **Training/Capacity building programme attended by the KVK staff during the year under report (01.04.2015 to 31.03.2016)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Name of the training programme** | **Name of the Institute** | **Duration** | | **Name of the staff** | **Designation** |
| **From**  **(DD/MM/**  **YYYY)** | **To**  **(DD/MM/**  **YYYY)** |
| 1. | Workshop on expert elicitation programme for Maize in Maharashtra | ICAR- NRC for Grapes | 19.06.2015 | - | Dr. Prakash Kadam | SMS (Crop Production) |
| 2. | Communication and Management Skills for Extension Professionals | ICAR- NAARM, Hyderabad | 01.06.2015 | 10.06.2015 | Dr. Niteen Thoke | SMS (Crop Production) |
| 3. | A total value chain for processing of vegetable crops for nutritional security | National Institute of Vegetable Research (IIVR), Varanasi | 01.09.2015 | 11.09.2015 | Mrs. Archana Deshmukh | SMS (Crop Production) |
| 4. | Capacity building on soil health improvement technology and upscaling strategies | ICAR- ATARI, Hyderabad | 24.09.2015 | - | Mr. Mangesh Vyavahare | Program Assistant (Soil Science) |
| 5. | Training programme on IPM in major crops | ICAR- ATARI, Hyderabad | 06.01.2016 | 08.01.2016 | Mr. Mangesh Vyavahare | Program Assistant (Soil Science) |

**9.0 Please include information which has not been reflected above (write in detail)**

**9.1 Constraints**

* 1. **Administrative :**
* Inadequate staff for increasing activities from ICAR and other organizations, production units.
* Inadequate space in the existing old building for the recently increased other activities like Soil lab, ERNET lab and PHT unit etc.
* Lack of specific guidelines from ICAR for Career Advancement schemes for Scientific and technical staff.

**(b) Financial :**

* Appropriate funds under contingencies should allocate and should increase every year as per technical programmes
* Norms for the meals for trainees to be revise for every 3-year periodically.

**(c) Technical :**

* Exposure opportunities for the Programme Coordinator and Scientific staff shall be considered within and outside the country.
* Technical backup to set up various labs like bio-control, PHT should be supported with the Licensing process centrally by ICAR.