**PROFORMA FOR ANNUAL REPORT 2018-19 (April 2018 to March 2019)**

1. GENERAL INFORMATION ABOUT THE KVK

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

|  |  |  |  |
| --- | --- | --- | --- |
| Address | Telephone | | E mail |
| Office | FAX |
| Hooghly Krishi Vigyan Kendra  P.O. Chinsurah R.S.,  Dist. Hooghly  West Bengal – 712102 | 033-26864256 | — | hooghlykvk@gmail.com |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Address | Telephone | | E mail |
| Office | FAX |
| Directorate of Extension Education  Bidhan Chandra Krishi Viswavidyalaya  P.O. Mohanpur, Dist. Nadia  West Bengal – 741252 | 033-25876048 | — | deebckv@gmail.com |

1.3. Name of Senior Scientist and Head with phone & mobile No.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Telephone / Contact | | |
| Residence | Mobile | Email |
| Dr. Nitai Mudi | M.G. Road, Banerjee lane, Khadinamore, Chinsurah, Hooghly, PIN 712101, W. B. | 09932900659 | drnitaimudi@gmail.com |

1.4. Year of sanction of KVK: F No. 6-3/2002-A.E.I. dated 26.05.2005 (Reference of Sanction Order)

1.5. Staff Position (**as on 1st April, 2018**)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Sanctioned post** | **Name of the incumbent** | **Designation** | **Discipline** | **Pay**  **Scale with present basic** | **Date of joining** | **Permanent / Temporary** | **Category (SC/ST/**  **OBC/**  **Others)** |
| 1 | Senior Scientist & Head | Dr. Nitai Mudi | Senior Scientist & Head | Plant Protection | 37,400-67,000 (GP-9,000)  48,690.00 | 06.08.2018 | Temporary | ST |
| 2 | Subject Matter Specialist | Dr. Samsul Haque Ansary | SMS (Horticulture) | Horticulture | 15,600-39100 (GP-5,400)  28,250.00 | 29.10.08 | Temporary | General |
| 3 | Subject Matter Specialist | Dr. Nikhil Gayen | SMS  (Plant Science) | Seed Science & Technology | 15,600-39100 (GP-5,400)  28,250.00 | 29.10.08 | Temporary | General |
| 4 | Subject Matter Specialist | Dr. Kironmay Barui | SMS  (Agronomy) | Agronomy | 15,600-39100 (GP-5,400)  28,250.00 | 29.10.08 | Temporary | SC |
| 5 | Subject Matter Specialist | Dr. Anjan Kumar Chowdhury | SMS  (Agril. Extension) | Agril. Extension | 15,600-39100 (GP-5,400)  28,250.00 | 04.11.08 | Temporary | General |
| 6 | Subject Matter Specialist | Vacant | — | — | — | — | — | — |
| 7 | Subject Matter Specialist | Vacant | — | — | — | — | — | — |
| 8 | Programme Assistant | Sri. Anik Mazumder | Programme Assistant (Lab. Tech.) | Horticulture | 9,300-34,800 (GP-4,200)  13,500.00 | 22.06.18 | Temporary | General |
| 9 | Computer Programmer | Sri Soumendra Nath Banerjee | PA (Computer) | — | 9,300-34,800 (GP-4,200)  19,300.00 | 31.08.06 | Temporary | General |
| 10 | Farm Manager | Vacant | — | — | — | — | — | — |
| 11 | Accountant / Superintendent | Vacant | — | — | — | — | — | — |
| 12 | Stenographer | Sri Partha Pratim Chakraborty | Stenographer Grade -III | — | 5,200-20200 (GP-2,400)  14,190.00 | 30.08.06 | Temporary | General |
| 13. | Driver | Sri Sukha Ranjan Nath | Driver | — | 5,200-20200 (GP-2,000)  12,140.00 | 30.08.06 | Temporary | OBC |
| 14. | Driver | Sri Nripen Bhakta | Driver | — | 5,200-20200 (GP-2,000)  12,140.00 | 30.08.06 | Temporary | SC |
| 15. | Supporting staff | Sri Rajat Mal | SSS | — | 5,200-20,200 (GP-1,800)  10,040.00 | 04.09.06 | Temporary | SC |
| 16. | Supporting staff | Sri Shyamalendu Roy | SSS | — | 5,200-20,200 (GP-1,800)  7,890.00 | 26.05.14 | Temporary | General |

1.6. Total land with KVK (in ha) :

|  |  |  |
| --- | --- | --- |
| Sl. No. | Item | Area (ha) |
| 1 | Under Buildings | 1.00 |
| 2. | Under Demonstration Units | 2.00 |
| 3. | Under Crops | 4.00 |
| 4. | Orchard/Agro-forestry | 1.53 |
| 5. | Others with details | 0.27 |
|  | Total | **8.80** |

*Total area should be matched with breakup*

1.7. Infrastructure Development:

A) Buildings and others

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Name of infrastructure** | **Not yet started** | **Completed up to plinth level** | **Completed up to lintel level** | **Completed up to roof level** | **Totally completed** | **Plinth area (sq.m)** | **Under use or not\*** | **Source of funding** |
| 1. | Administrative Building |  |  |  |  | Yes | 550 sq.m. | Under use | ICAR |
| 2. | Farmers Hostel |  |  |  |  | Yes | 305 sq.m. | Under use | ICAR |
| 3. | Staff Quarters (6) |  |  |  |  | Yes | 402 sq.m. |  | ICAR |
| 4. | Piggery unit |  |  |  |  |  |  |  |  |
| 5 | Fencing |  |  |  |  | Yes |  | Under use | ICAR |
| 6 | Rain Water harvesting structure |  |  |  |  |  |  |  |  |
| 7 | Threshing floor |  |  |  |  | Yes | 200 sq.m | Under use | ICAR |
| 8 | Farm godown |  |  |  |  | Yes | 46.46 sq.m | Under use | ICAR |
| 9. | Dairy unit |  |  |  |  |  |  |  |  |
| 10. | Poultry unit |  |  |  |  |  |  |  |  |
| 11. | Goatary unit |  |  |  |  |  |  |  |  |
| 12. | Mushroom Lab |  |  |  |  |  |  |  |  |
| 13. | Mushroom production unit |  |  |  |  |  |  |  |  |
| 14. | Shade house |  |  |  |  | Yes | 42 sq. m. | Under use | RKVY |
| 15. | Soil test Lab |  |  |  |  |  |  |  |  |
| 16 | Others, Please Specify   1. IFS Demo unit |  |  |  |  | Yes | 82.5 sq. m. | Under use | RKVY |
|  | 1. Onion storage unit |  |  |  |  | Yes | 26.57 sq.m | Under use | Dist. RKVY |
|  | 1. Poly House |  |  |  |  | Yes | 279 sq. m. | Under use | ICAR |
|  | 1. Automated Weather Station |  |  |  |  | Yes |  | Under use | IMD, Pune |

\* If not in use then since when and reason for non-use

B) Vehicles

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of vehicle** | **Year of purchase** | **Cost (Rs.)** | **Total km. Run** | **Present status** |
| TATA Spacio Gold | 2006 | 4,73,000/- | 1,36,423 KM | Running condition |
| Mahindra Tractor | 2006 | 5,00,000/- | 588.5 hours | Running condition |
| Two Wheeler – I | 2016 | 62,676/- | 15,415 KM | Running condition |
| Two Wheeler – II | 2016 | 57,324/- | 13,123 KM | Running condition |

C) Equipment & AV aids

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of equipment** | **Year of purchase** | **Cost (Rs.)** | **Present status** | **Source of fund** |
| **a. Lab equipment** | | | | |
| Automated Drier | 2013 | 42,200.00 | Working Satisfactorily | ATMA |
| Refrigerator | 2013 | 19,500.00 | Working Satisfactorily | RKVY |
| Weighing Balance (Precision) | 2013 | 17,600.00 | Working Satisfactorily | ATMA |
| Digital Balance | 2013 | 6,200.00 | Working Satisfactorily | ATMA |
| Soil Moisture Box | 2013 | 2,750.00 | Working Satisfactorily | ATMA |
| Dessicator | 2013 | 4,450.00 | Working Satisfactorily | ATMA |
| Seed storage container 8kg capacity 6nos. | 2013 | 1,380.00 | Working Satisfactorily | ATMA |
| Seed storage container 20kg capacity 4nos. | 2013 | 1,520.00 | Working Satisfactorily | ATMA |
| Plastic crates 10nos. | 2013 | 3500.00 | Working Satisfactorily | ATMA |
| Plastic tray 10nos. | 2013 | 3300.00 | Working Satisfactorily | ATMA |
| Mridaparikshak Machine with 2 nos. kits | 2015-16 | 1,03,350.00 | Working Satisfactorily | ICAR |
| Digital Flam Photo Meter | 2016-17 | 46,560.00 | Working Satisfactorily | ICAR |
| Mono Quartz Distillatron Unit | 2016-17 | 47,000.00 | Working Satisfactorily | ICAR |
| Dr. Meter (Soil Temparature Recorder) | 2016-17 | 3,500.00 | Working Satisfactorily | ICAR |
| **b. Farm machinery** | | | | |
| Tractor and accessories | 2006 | 5,00,000.00 | Running condition | ICAR |
| Zero tillage cum seed drill machine | 2013 | Under Central sector Scheme | Running condition | CIAE, Bhopal |
| **c. AV Aids** | | | | |
| LCD Projector | 2007-08, 2018-19 | 1,28,000.00 | Working Satisfactorily | ICAR |
| Laptop | 2008-09 | 37,500.00 | Working Satisfactorily | ICAR |
| Camera (15X-Sony) | 2008-09 | 21,300.00 | Working Satisfactorily | ICAR |
| Camera (3X-Sony) | 2008-09 | 3,700.00 | Working Satisfactorily | ICAR |
| Xerox (Digital with duplex unit) | 2009-10 | 72,590.00 | Working Satisfactorily | ICAR |
| Generator | 2009-10 | 48,781.00 | Working Satisfactorily | ICAR |
| Laptop | 2010-11 | 34,000.00 | Working Satisfactorily | RKVY |
| Audio-Visual Projection System | 2010-11 | 89,975.00 | Working Satisfactorily | RKVY |
| Roof Hanging LCD Projector | 2012-13 | 43,139.00 | Working Satisfactorily | RKVY |
| Sony Handicam | 2012-13 | 24,700.00 | Working Satisfactorily | RKVY |
| Desktop with printer | 2016-17 | 34,900.00 | Working Satisfactorily | ATMA |
| Desktop-2nos. with printer-1no. | 2017-18 | 73,168.00 | Working Satisfactorily | ICAR |
| Camera (30X SLR-Nikon) | 2016-17 | 22,500.00 | Working Satisfactorily | ATMA |
| Camera (10X-Canon) | 2016-17 | 8,814.00 | Working Satisfactorily | NABARD |
| Desktop printer | 2018-19 | 9,539.00 | Working Satisfactorily | ATMA |
| Camera (10X-Sony) | 2018-19 | 7,101.00 | Working Satisfactorily | ATMA |

D) Farm implements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of equipment** | **Year of purchase** | **Cost (Rs.)** | **Present status** | **Source of fund** |
| Power operated thresher -1no. | 2010 | 25,000.00 | Working Satisfactorily | ICAR |
| Winnover - 1no. | 2010 | 30,000.00 | Working Satisfactorily | ICAR |
| Handtrolly -1no | 2011 | 6,000.00 | Working Satisfactorily | RKVY |
| Bush cutter 1no. | 2011 | 34,840.00 | Working Satisfactorily | RKVY |
| Spring Balance (5kg) 1no. | 2010 | 4,600.00 | Working Satisfactorily | RKVY |
| Weighing Balance (Digital) -1no. | 2010 | 14,500.00 | Working Satisfactorily | RKVY |
| Weighing Balance (Digital) -1no. | 2017 | 8,500.00 | Working Satisfactorily | ATMA |
| Weighing balance (Precision) -1no. | 2006 | 14,000.00 | Working Satisfactorily | RKVY |
| Sprayer (Battery operated) -2no | 2010 | 18,720.00 | Working Satisfactorily | RKVY |
| Knapsac k Sprayer -2nos. | 2006 | 2,950.00 | Working Satisfactorily | RKVY |
| Pump set 4hp -1no. | 2011 | 24,960.00 | Working Satisfactorily | RKVY |
| Paddy Weeder -2nos. | 2011 | 3,000.00 | Working Satisfactorily | RKVY |
| Cono weeder -5nos. | 2011 | 9,500.00 | Working Satisfactorily | RKVY |
| Budding and grafting Knife -10nos. | 2011 | 1,250.00 | Working Satisfactorily | RKVY |
| Nirani -10nos. | 2011 | 600.00 | Working Satisfactorily | RKVY |
| Khurpi -10nos. | 2011 | 750.00 | Working Satisfactorily | RKVY |
| Belchi -4nos. | 2011 | 1,800.00 | Working Satisfactorily | RKVY |
| Hedge cutter -5nos. | 2011 | 1,900.00 | Working Satisfactorily | RKVY |
| Secateur -6nos. | 2011 | 3,180.00 | Working Satisfactorily | RKVY |
| Sickle -6nos. | 2011 | 400.00 | Working Satisfactorily | RKVY |
| Hessua – 6nos. | 2011 | 750.00 | Working Satisfactorily | RKVY |
| Spade – 4nos. | 2011 | 940.00 | Working Satisfactorily | RKVY |
| Watering Cane – 2nos. | 2011 | 450.00 | Working Satisfactorily | RKVY |
| PVC pipe | 2011 | 2,700.00 | Working Satisfactorily | RKVY |
| Tripol | 2011 | 2,100.00 | Working Satisfactorily | RKVY |
| Plastic pot | 2011 | 1,400.00 | Working Satisfactorily | RKVY |
| Shovel | 2011 | 550.00 | Working Satisfactorily | RKVY |
| Cuttery | 2011 | 250.00 | Working Satisfactorily | RKVY |
| Garden pipe | 2013 | 1,500.00 | Working Satisfactorily | RKVY |
| Mango picker -1no. | 2011 | 1,100.00 | Working Satisfactorily | RKVY |
| Cage wheel | 2011 | 7,000.00 | Working Satisfactorily | RKVY |
| Rotavator | 2011 | 1,05,000.00 | Working Satisfactorily | RKVY |
| Power reaper | 2011 | 96,000.00 | Working Satisfactorily | RKVY |
| Measuring tape | 2011 | 220.00 | Working Satisfactorily | RKVY |
| Maize Sheller | 2018 | 39,500.00 | Working Satisfactorily | Revolving Fund |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Date** | **No. of Participants** | **Salient Recommendations** | **Action taken** | **If not conducted, state reason** |
| 1. | 24.09.2018 | 22 | * ‘Ajit’ variety of paddy should be taken as a FLD during Rabi. | * Ajit variety is also taken as FLD during this Rabi season in 2 ha area with 15 farmers. |  |
| * Seed production of paddy variety Ajit’ should be done in KVK farm. | * It will be produce in coming kharif at KVK farm. |  |
| * Paddy variety Sahabagi must be replaced with GB-3 | * GB-3 will be taken as FLD during next kharif in 4 ha area. |  |
| * Silica gel or Lime can be included while conducting OFT on seed storing of cucumber. | * Will be included in next year. |  |
| * Set production of kharif onion var. Agri Found Dark Red may be done in KVK farm to avoid seedling damage during kharif season. | * During this late rabi season it was tried in KVK farm but due to heavy and frequent rainfall the total programme was failed because of high weed infestation. |  |
| * Proposal for popularizing ethylene fruit ripening chamber through demonstration in collaboration with FPOs. | * One fruit ripening chamber has been demonstrated in Balagarh FPO through Dept. of FPI & Horticulture * This year more fruit ripening chamber will be demonstrated through Farmers’ club and in FPO. |  |
| * Refined technologies should be communicated to line departments. | * Already done. |  |

**PROCEEDINGS OF THE MEETING OF THE SCIENTIFIC ADVISORY COMMITTEE OF HOOGHLY KRISHI VIGYAN KENDRA**

The 9th Scientific Advisory Committee (SAC) Meeting of Hooghly Krishi Vigyan Kendra held on September 24, 2018 at the Conference Room of this Kendra. The meeting was conducted under the Chairmanship of Prof. Pintoo Bandopadhyay, Director, Directorate of Extension Education, Bidhan Chandra Krishi Viswavidyalaya. The majority of the members of the Committee were present in the meeting. Hon’ble Chairman of this meeting started the programme with a warm welcome to all the members. All the present members of the SAC including the KVK staffs shared a brief introduction among themselves on request of the Chairman.

After the introductory discussion on the importance of SAC meeting, the Hon'ble DEE requested the entire member to discuss and share their views for formulating the Action Plan of KVK for future activities. He emphasized on major thrust area of the district which should be considered for formulating action plan. He requested all the members from the line Departments to provide all available latest technologies to the KVK scientists for transferring these to the farmers.

Thereafter the Hon'ble DEE, BCKV invited Dr. N. Mudi, Senior Scientist and Head, Hooghly KVK to present the Action taken Report of previous SAC meeting and Progress Report & Action plan for rest of the Year. During the process all SMSs presented their relevant technical activities before the house. The Chairman, thereupon, invited valuable suggestions and inputs from the members.

Dr. A. Halder, Principal Scientist, ICAR-ATARI, Kolkata discussed on action taken report, progress report and action plan. He also suggested communicating all the refined technologies made by this KVK to all line departments of this district

Mr. Madhab Chandra Dhara, Joint Director of Agriculture (Rice Development) discussed the probability and potentiality of short duration paddy variety Ajit and suggested to popularize the same variety in rabi season.

Mr. Ashok Kumar Tarafder, Deputy Director of Agriculture (Admn.), Hooghly discussed about the significance of fruit ripening chamber and suggested to popularize this technology in ground level through conducting demonstration with different farmers’ organization.

Mrs. Moutushi Mitra (Dhar), Deputy Director of Horticulture, Hooghly proposed that KVK should take initiative to support farmer by producing onion set and demonstrate during kharif season.

Prof. Pintoo Bandopadhyay, Director, Directorate of Extension Education, BCKV suggested to replace paddy variety Sahabagi with Gontra Bidhan-3 as this variety has great potentiality in this district.

Dr. Joydev Chandra Misra, District Vaterinary Officer, ARD, Hooghly discussed about the presence scenario of ARD in Hooghly and proposed to do some activities in collaboration with KVK and also gave assurance to provide different inputs for vaccination and animal health camp programme in different villages.

Dr. A. Halder, Principal Scientist, ICAR-ATARI, Kolkata also requested SMS (Extension) to take some initiative on different activities related with Animal Science and Home Science.

Mr. Souvik Rooj, Programme Executive, Doordorshan, Kolkata ensure that they will take initiatives for popularizing the technology made by this Krishi Vigyan Kendra through different programme.

Mrs. Nasrin Layla, a progressive farm woman from Polba-dadpur requested the house by seeking support for strengthening different self-help group of their localities.

Mr. Kishanu Simlai, amongst one Progressive Farmers of this district asked for more number of training and demonstrations on new different technology related with modern agriculture.

At the end, in concluding remarks, the Chairman of this meeting hopefully expressed his views that the KVK will play a significant role in near future for dissemination of different technologies for the betterment of farming community of the district. The meeting ended with thankful speech of the Chairman to the participants.

**Saline recommendation accepted by the house of 9th SAC meeting:**

* ‘Ajit’ variety of paddy should be taken as a FLD during Rabi and its seed production should be done in KVK farm.
* Paddy variety Sahabagi must be replaced with GB-3.
* Vaccination camp should be conducted in cooperation with ARD.
* Initiative should be taken to minimize the problem in onion cultivation during kharif by preparing planting material in KVK farm to avoid seedling damage.
* Proposal for popularizing ethylene fruit ripening chamber among the farmers.
* Refined technologies should be communicated to line departments.

**List of Members and other invitees attended:**

| **Sl. No.** | **Name** | **Designation** |
| --- | --- | --- |
|  | Prof. Pintoo Bandopadhyay | Director, Directorate of Extension Education, BCKV & Chairperson of the SAC |
|  | Dr. A. Halder | Principal Scientist, ICAR-ATARI, Kolkata |
|  | Dr. N. Mudi | Senior Scientist and Head, Hooghly KVK & Member Secretary, SAC |
|  | Mr. Madhab Chandra Dhara | Joint Director of Agriculture (Rice Development), RRS, Chinsurah |
|  | Mr. Ashok Kr. Tarafder | Deputy Director of Agriculture (Admin.), Hooghly |
|  | Mrs. Moutushi Mitra (Dhar) | Deputy Director of Horticulture, Hooghly |
|  | Dr. Joydev Chandra Misra, | District Vaterinary Officer, ARD, Hooghly |
|  | Mr. Jayanta Kumar Parui | Deputy Director of Agriculture (WBP) & PD,ATMA, Hooghly |
|  | Mr. J.K. Das | LDM, Hooghly |
|  | Mr. Souvik Rooj | Programme Executive, Doordorshan, Kolkata |
|  | Mr. Tuhin Chatterjee | B’Cast Assistant,Farm & Home Dept., AIR, Kolkata |
|  | Mr. Krisanu Simlai | Farmer, Dasghara, Hooghly |
|  | Mr. Sanjoy Kumar Ghosh | Farmer, Kakgachhi, Bhanderhati Hooghly |
|  | Mrs. Nasrin Layla | Farmer, Kantul, Polba-Dadpur, Hooghly |
|  | Mrs. Sarama Hansda | SHG convener, Gurap, Balidaha, Hooghly |
|  | Dr. Anjan Kr. Chowdhury | Subject Matter Specialist (Agril. Extension), Hooghly KVK |
|  | Dr. Samsul Haque Ansary | Subject Matter Specialist (Horticulture), Hooghly KVK |
|  | Dr. Nikhil Gayen | Subject Matter Specialist (Plant Science), Hooghly KVK |
|  | Dr. Kironmay Barui | Subject Matter Specialist (Agronomy), Hooghly KVK |
|  | Mr. Anik Majumder | Programme Assistant (Lab), Hooghly KVK |
|  | Mr. Soumendra Nath Banerjee | Programme Assistant(Computer), Hooghly KVK |

2.a. District level data on agriculture, livestock and farming situation (2018-19)

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Item** | **Information** |
| 1 | Major Farming system/enterprise | * Rice-Rice-Jute * Rice-Potato-Sesame * Rice-Vegetables – Rice * Rice-Potato-Rice |
| 2 | Agro-climatic Zone | New Alluvial Zone |
| 3 | Agro ecological situation | Agro-Ecological Zone 15.1 described as "Bengal Basin", hot moist, sub-humid Agro-Ecological Sub-region. |
| 4 | Soil type | * Gangetic Alluvial Soil * Vindhya Alluvial Soil |
| 5 | Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others | * Aus Paddy – 453.26 Kg ha-1 * Kharif Maize – 2332.6 Kg ha-1 * Mustard – 1124.85 Kg ha-1 * Potato – 35.97 MT ha-1 * Jute – 16.33 bales/ha * Bhadoi Kalai – 695.5 Kg ha-1 * Sugar Cane – 61.02 MT ha-1 * Aman Paddy – 4559.23 Kg ha-1 * Arhar – 1306.5 Kg ha-1 * Wheat – 2454.4 Kg ha-1 * Gram – 1351.18 Kg ha-1 * Lentil – 1261.71 Kg ha-1 * Pea – 1076.9 Kg ha-1 * Khesari – 1023.80 Kg ha-1 * Boro Paddy – 5430.31 Kg ha-1 * Summer Ground Nut – 2536.07 Kg ha-1 * Summer Moong – 828.05 Kg ha-1 * Til – 842.35 Kg ha-1 * Summer Maize – 2480.89 Kg ha-1 * Mango – 7.534 MT ha-1 * Banana – 21.077 MT ha-1 * Papaya – 26.613 MT ha-1 * Tomato – 19.502 MT ha-1 * Cabbage – 24.425 MT ha-1 * Cauliflower – 25.969 MT ha-1 * Brijal – 16.936 MT ha-1 * Onion – 22.473 MT ha-1 * Red Pepper (Rabi) – 1.952 MT ha-1 * Red Pepper (Kharif) – 1.138 MT ha-1 * Ginger (Fresh) – 5.185 MT ha-1 * Garlic – 10.465 MT ha-1 * Turmeric (Dry) – 2.273 MT ha-1 |
| 6 | Mean yearly temperature, rainfall, humidity of the district | * Tempreture **–** 31.25oC (Max.), 21.60oC (Min.) * Rainfall **–** 1895.5 mm. * RH **–**96.87 % (Max.), 63.22% (Min.) |
| 7 | Production of major livestock products like milk, egg, meat etc. | * Milk – 376.18 thousand tones * Egg – 1979.57 lakh nos. * Meat – 25402 thousand tones * Fodder – 3315 MT * Table Fish – 41,400 MT |

**2.b. Details of operational area / villages (2018-19)**

| **Sl. No.** | **Name of Taluk** | **Name of the block** | **Name of the village** | **Major crops & enterprises** | **Major problems identified (Crop wise)** | **Identified Thrust Areas** |
| --- | --- | --- | --- | --- | --- | --- |
| 1. |  | Balagarh | Ghoshalia, Mahipalpur, Dadpur, Boga,  Sorgeria, Khairamari,  Beleswar, Dhobapara, Sarenda,  Dohia, Jagulia, Ektarpur, Inchura, Guptipara, Puraton boga, Potagachi,  Mazdia,  Gangadharpur,  Babuchara, Mosra, Kuliapara,  Senpara, Dohor Tirronoi, Bathua, Kalyanshri  Mundukhola, Baksagarh,  Karinya,  Tildanga,  Motukpur, | Paddy, Vegetables, Jute, sesame, mustard, Onion,  Groundnut | **A. Bio-physical**  **1. Low productivity of all major   crops**   * Non-availability of quality seeds * Low rate of replacement of existing varieties by improved varieties. * Deterioration of soil health due to indiscriminate use of inorganic fertilizer only. * Non-exposure to technologies related to INM * Indiscriminate use of pesticides without taking any prophylactic measure. * Non-application of Sulphur in fertilizer in oil seed crops * Lesser adoption of pulse based cropping sequence   1. **Socio-economic**      + Lack of awareness regarding good agro-technological practices      + Lack of credit facilities | * Performance Improvement of rice-potato based production system * Integration of improved crop husbandry techniques * Crop Diversification for enhanced profitability * Promotion of RCTs * Area expansion of pulse crops * Enhancement of Seed replacement rate through participatory seed production * Better natural resource appreciation through Integrated Farming * On and off farm value addition * Entrepreneurship development of rural youth and women SHG members |
| 2. |  | Pandua | Digha, Talbona,  Uttar khanda,  Ilsoba, Khanyan,  Rudrasanda, Abdalpur | Paddy, Mustard, Sesame, Vegetables, Potato | -do- | – do – |
| 3. |  | Chinsurah Mogra | Uttar Simla, Benabari, Kanagarh, Sugandhya, Dakhin-simla, | Paddy,  Pea,  Mustard, Sesame, Vegetables | -do- | - do - |
| 4. |  | Polba Dadpur | Amarpur,  Sinate,  Dumurpur, Digneswar, Kunchpala Arenga, Gandhigram, Suopara,  Charuidanga,  Kantul,  Jagannathbati, Narayanpara,  Melki Kutubpur,  Dogachia,  Bathua, Keshobpur | Paddy, Mustard,  Potato, Sesame, Vegetables | -do- | - do - |
| 5. |  | Singur | Khanpukur,  Balidhipa | Paddy,  Potato, Mustard, Sesame, Vegetables,  Jute | -do- | - do - |
| 6. |  | Haripal | Paniseola,  Nawa Husenpur,  Bhagabatipur,  Sonatikuri,  Basudebpur,  Bandipur,  Kashimerpur,  Ballalpur  Bamunzole, | Paddy,  Potato, Mustard, Sesame, Vegetables,  Jute | -do- | - do - |
| 7. |  | Dhaniakhali | Kamalpur, Kananadi, Vastara,  Kakgachi,  Bhandarhati,  Dashghara, Gurap,  Chamat Palasi  Seorha, Khanpur,  Balidanga,  Ruprajpur,  Palasi,  Rohia,  Garalmuri,  Abdalpur,  Metel | Paddy, potato,,mustard, sesame, vegetables, ground nut | -do- | -do- |
| 8. |  | Tarkeswar | Naskarpur, Rajbalhat, Kanaria, Kesabchak, Mohanbati, Kul teghari,  Talpur,  Astara,  Muktarpur | Paddy, potato, mustard, sesame, vegetables, | -do- | -do- |
| 9. |  | Pursurah | Harinakhali,  Rasulpur,  Alati,  Baitha,  Baikanthapur,  Kulbatpur,  Soalik,  Paschim Para,  Chiladangi  Ranbagpur,  Harinakhali,  baradigi | Paddy, potato, mustard, sesame, vegetables, | -do- | -do- |
| 10. |  | Jangipara | Mukundapur,  Kamalpur | Paddy, potato, mustard, sesame, vegetables, | -do- | -do- |
| 11. |  | Khanakul-I | Tantisal,  Udna  Majhpur,  Digruighat, | Paddy, potato, mustard, sesame, vegetables  Groundnut, | -do- | -do- |
| 12. |  | Gohat-I | Shyamnagar | Paddy, potato, mustard, sesame, vegetables  Groundnut, | -do- | -do- |
| 13. |  | Gohat-II | Khantul | Paddy, potato, mustard, sesame, vegetables  Groundnut, | -do- | -do- |
| 14 |  | Arambagh | Khanpur | Paddy, potato, mustard, sesame, vegetables  Groundnut, | -do- | -do- |
| 15 |  | Chanditala-I | Choto Chaughara, Haripur,  Dakhsin Gangadharpur, Dudhkomra, | Paddy, potato, mustard, sesame, vegetables  Groundnut, | -do- | -do- |
| 16 |  | Chanditala-II | Madhabpur,  Telipukur, Duttapur,  Khoragarh,  Baksha | Paddy, potato, mustard, sesame, vegetables  Groundnut, | -do- | -do- |

**2. c. Details of village adoption programme:**

**Name of the villages adopted by PC and SMS (2018-19) for its development and action plan**

|  |  |  |
| --- | --- | --- |
| **Name of village** | **Block** | **Action taken for development** |
| Beleswar | Balagarh | Different types of training programme, FLD and OFT conducted |
| Uttar Simla | Chinsurah-Mogra | Different types of training programme and FLD conducted |
| Uttarkhanda | Pandua | Different types of training programme, FLD and OFT conducted |
| Paniseola | Haripal | Different types of training programme, FLD and OFT conducted |
| Kakgachi | Dhaniakhali | Different types of training programme, FLD and OFT conducted |
| Naskarpur | Tarkeswar | Different types of training programme, FLD and OFT conducted |

**2.1 Priority thrust areas**

|  |  |
| --- | --- |
| **S. No** | **Thrust area** |
| 1. | Performance Improvement of rice-potato based production system |
| 2. | Integration of improved crop husbandry techniques |
| 3. | Crop Diversification for enhanced profitability |
| 4. | Promotion of RCTs |
| 5. | Area expansion of pulse crops |
| 6. | Enhancement of Seed replacement rate through participatory seed production |
| 7. | Better natural resource appreciation through Integrated Farming |
| 8. | On and off farm value addition |
| 9. | Entrepreneurship development of rural youth and women SHG members |

3. TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievement of mandatory activities by KVK during the year

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **OFT** | | | | | | | | | | | | **FLD** | | | | | | | | | | | |
| **No. of technologies tested:** | | | | | | | | | | | | **No. of technologies demonstrated:** | | | | | | | | | | | |
| **Number of OFTs** | | **Number of farmers** | | | | | | | | | | **Number of FLDs** | | **Number of farmers** | | | | | | | | | |
| **Target** | **Achievement** | **Target** | **Achievement** | | | | | | | | | **Target** | **Achievement** | **Target** | **Achievement** | | | | | | | | |
| **SC** | | **ST** | | **Others** | | **Total** | | | **SC** | | **ST** | | **Others** | | **Total** | | |
| **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **T** | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **T** |
| 9 | 9 | 110 | 40 | 0 | 10 | 0 | 60 | 0 | 110 | 0 | 110 | 73.5 | 80.7 | 740 | 210 | 3 | 55 | 2 | 483 | 5 | 712 | 10 | 758 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Training** | | | | | | | | | | | | **Extension activities** | | | | | | | | | | | |
| **Number of Courses** | | **Number of Participants** | | | | | | | | | | **Number of activities** | | **Number of participants** | | | | | | | | | |
| **Target** | **Achievement** | **Target** | **Achievement** | | | | | | | | | **Target** | **Achievement** | **Target** | **Achievement** | | | | | | | | |
| **SC** | | **ST** | | **Others** | | **Total** | | | **SC** | | **ST** | | **Others** | | **Total** | | |
| **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **T** | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **T** |
| 120 | 149 | 3580 | 679 | 207 | 190 | 101 | 2560 | 357 | 3419 | 685 | 4104 | 283 | 976 | 15110 | 5208 | 1302 | 1584 | 396 | 33890 | 6873 | 40682 | 8571 | 49253 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Impact of capacity building** | | | | | | | | | | | **Impact of Extension activities** | | | | | | | | | | |
| **Number of Participants trained** | | **Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)** | | | | | | | | | **Number of Participants attended** | | **Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)** | | | | | | | | |
| **Target** | **Achievement** | **SC** | | **ST** | | **Others** | | **Total** | | | **Target** | **Achievement** | **SC** | | **ST** | | **Others** | | **Total** | | |
|  |  | M | F | M | F | M | F | M | F | T |  |  | M | F | M | F | M | F | M | F | T |
| 55 | 55 | 5 | 0 | 0 | 0 | 10 | 0 | 15 | 0 | 15 | — | — | — | — | — | — | — | — | — | — | — |

|  |  |  |  |
| --- | --- | --- | --- |
| **Seed production (q)** | | **Planting material (in Lakh)** | |
| **Target** | **Achievement** | **Target** | **Achievement** |
| 100.00 | 97.85 | 1.0 | 1.09 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Livestock strains and fish fingerlings produced (in lakh)\*** | | **Soil, water, plant, manures samples tested (in lakh)** | |
| **Target** | **Achievement** | **Target** | **Achievement** |
| — | — | 0.00200 | 0.00200 |

* \* Give no. only in case of fish fingerlings

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Publication by KVKs** | | | | | | | |
| **Item** | **Number** | **No. circulated** | **No. of Research papers in NAAS rated Journals** | **Highest NAAS rating of any publication** | **Average NAAS rating of the publications** | **Details of awarded publication, if any** | **Details of Award given to the publication** |
| Research paper |  |  |  |  |  |  |  |
| Seminar/conference/ symposia papers | 2 |  |  |  |  |  |  |
| Books |  |  |  |  |  |  |  |
| Bulletins |  |  |  |  |  |  |  |
| News letter |  |  |  |  |  |  |  |
| Popular Articles | 2 |  |  |  |  |  |  |
| Book Chapter |  |  |  |  |  |  |  |
| Extension Pamphlets/ literature |  |  |  |  |  |  |  |
| Technical reports |  |  |  |  |  |  |  |
| Electronic Publication (CD/DVD etc) | 1 |  |  |  |  |  |  |
| **TOTAL** | **5** |  |  |  |  |  |  |

**1. Achievements on technologies assessed and refined**

**OFT-I**

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | Performance of different new varieties of Jute in farmers’ field of Hooghly district |
| 2. | Problem diagnose | Stagnant productivity of Jute |
| 3. | Details of technologies selected for assessment/refinement | **Farmers’ Practice:**  JRO 524 (Nabin)  **Technology Option-I:** JRO 204 (Suren )  **Technology Option-II :** S-19 (Subala)  **Technology Option-III :** CO-58 (Sourav) |
| 4. | Source of Technology | CRIJAF, Barrcakpore |
| 5. | Production system and thematic area | Rice Based (Rice- Onion-Jute) |
| 6. | Performance of the Technology with performance indicators | Regarding yield and other quality parameters, it is found that the yield obtained in different varieties is significantly differed and the best result was obtained with Technology Option-I**:** JRO 204 (Suren) which is higher than the yield of Farmer’s traditional variety (Nabin). Though the fineness and colour of Subala (S-9) was better but due to comparatively lower yield and less strength thus, it is less profitable. |
| 7. | Final recommendation for micro level situation | Suren (JRO 204) can be recommended as the best variety for this Hooghly district because of its higher yield, good quality fiber as well as long & quite hardy jute stick . |
| 8. | Constraints identified and feedback for research | No constraint have been faced while conducting the OFT. |
| 9. | Process of farmers participation and their reaction | Farmers are convinced with the performance of some new varieties. |

*Thematic area:* Crop Production

Problem definition: Stagnant yield

Technology assessed: Performance of different improved varieties of Jute

**Table: Performance of different improved varieties of Jute at Farmer’s field**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Technology option** | **No. of trials** | **Height**  **(cm)** | **Diameter**  **(cm)** | **Farmers’ ranking**  (score given out of 10) | | | **Yield**  **(q/ha)** | **Cost of cultivation (Rs./ha)** | **Gross return (Rs./ha)** | **Net Return**  **(Rs / ha)** | **BC Ratio** |
| 10 | Strength | Fineness | Colour |
| **Farmers’ Practice:**  JRO 524 (Nabin) | **374.1** | **6.0** | Very good  (8/10) | Very good  (7/10) | Very good  (7/10) | **35.2** | 97,500.00 | 1,23,375.00 | 25,875.00 | 1.27 |
| **Technology Option-I:**  JRO 204 (Suren ) | **401.6** | **6.3** | Best  (8/10) | Very good  (8/10) | Very good  (7/10) | **37.5** | 97,500.00 | 1,31,250.00 | 33,750.00 | 1.35 |
| **Technology Option-II :**  S-19 (Subala) | **407.3** | **5.4** | Good  (7/10) | Best  (8/10) | Best  (8/10) | **33.0** | 97,500.00 | 1,15,500.00 | 18,000.00 | 1.18 |
| **Technology Option-II :** CO-58 (Sourav) | **368.9** | **4.8** | Good  (7/10) | Very good  (7/10) | Good  (7/10 | **31.5** | 97,500.00 | 1,10,250.00 | 12,750.00 | 1.13 |
| SEm (±) | | 3.284 | 0.125 |  | - | - | **0.536** | - | - | - | - |
| CD (P= 0.05) | | 10.119 | 0.384 | - | - | - | **1.652** | - | - | - | - |
| **\*Raw jute rate: Rs.3500/- per q** | | | | | | | | | | | |

**OFT-II**

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | Assessment of performance of different post-emergence herbicide for controlling weeds in Aman paddy |
| 2. | Problem diagnose | Low productivity of aman paddy in rain fed farming situation of new alluvial soil in Hooghly district due to severe infestation of weeds. |
| 3. | Details of technologies selected for assessment/refinement | **Farmers’ practice:**  Two hand weeding at 14 and 42 DAT  **Technology option I:** Bispyribac sodium 10 SC 250 ml / ha at 20-22 DAT.  **Technology option-II:** Flucetosulfuron 10 WG 260 gl/ ha at 10-12 DAT  **Technology option-III:** Penoxulam 24 SC @ 100 ml/ ha at 10-12 DAT  **Technology option-IV:** Ethoxysulfuron 15 WDG @ 100 g/ha at 12-15 DAT |
| 4. | Source of Technology | BCKV. |
| 5. | Production system and thematic area | Rice Based (Rice-Onion-Jute) |
| 6. | Performance of the Technology with performance indicators | Trial was successfully conducted during this year for the first time. It has been observed throughout the experiment that the weed dynamics and density varies with field to field and also from place to place. Using different post emergence herbicide at different time results significant variation in controlling weeds with broad spectrum area. |
| 7. | Final recommendation for micro level situation | Application of Bispyribac sodium 10 SC @ 250 ml / ha at 21-25 DAT and Penoxulam 24 SC @ 100 ml/ ha at 10-12 DAT showed at per result in controlling weeds as well as in terms of yield. |
| 8. | Constraints identified and feedback for research | Types and intensity of weeds were quite different in one plot to another. |
| 9. | Process of farmers participation and their reaction | Most of the herbicides tested during this OFT are very new to them. This trial helps farmer to manage different categories of weeds in better way which was not seen by them earlier. They are very satisfied with this OFT and more specifically with TO I and TO III. . |

*Thematic area:* Crop Production

Problem definition: Low productivity of kharif paddy due to severe infestation of weeds.

Technology assessed: Weed management through different post emergence herbicide.

Paddy variety: **Khitish (IET4094)**

**Table: Efficacy of herbicides on weed dry matter, yield component and yield of Aman paddy**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Technology option** | **No. of trials** | **Weed dry matter**  **(g 0.5m-2)** | | **Yield component** | | | | **Yield**  **(q/ha)** | **Straw yield**  **(q/ha)** | **Cost of cultivation (Rs./ha)** | **Gross return (Rs./ha)** | **Net Return (Rs / ha)** | **BC Ratio** |
| **30 DAT** | **45 DAT** | **No. of tiller/m2** | **No. of panicle/m2** | **No. of grain/panicle** | **Test weigt**  **(g)** |
| **FP :** Two hand weeding at 14 and 42 DAT | 10 | 7.37 | 2.30 | 328 | 271 | 133 | **22.7** | 40.0 | 45.3 | 39000 | 41730 | 3800 | **1.10** |
| **TO-I:** Bispyribac sodium 10 SC 250 ml / ha at 20-22 DAT | 1.80 | 3.37 | 485 | 395 | 150 | **22.9** | 47.7 | 67.2 | 34125 | 51039 | 16914 | **1.50** |
| **TO-II:** Flucetosulfuron 10 WG 260 gl/ ha at 10-12 DAT | 3.50 | 4.30 | 423 | 364 | 144 | **22.6** | 40.5 | 55.8 | 33975 | 46545 | 12570 | **1.37** |
| **TO-III:** Penoxulam 24 SC @ 100 ml/ ha at 10-12 DAT | 2.27 | 3.70 | 447 | 389 | 153 | **22.7** | 45.5 | 54.4 | 34500 | 48150 | 13650 | **1.40** |
| **TO-IV:** Ethoxysulfuron 15 WDG @ 100 g/ha at 12-15 DAT |  | 3.00 | 4.07 | 363 | 339 | 146 | **22.8** | 42.6 | 49.8 | 33000 | 44940 | 11940 | **1.36** |
| **SEm+** |  | **0.238** | **0.364** | **8.962** | **6.815** | **3.740** | **0.099** | **1.490** | **1.659** | **-** | **-** | **-** | **-** |
| **CD(P=0.05)** |  | **0.775** | **1.186** | **29.223** | **22.220** | **12.196** | **0.322 (NS)** | **4.860** | **5.412** | **-** | **-** | **-** | **-** |

**HW: Hand Weeding, DAT: Days After Transplanting,**

**OFT-III**

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | Evaluation of micronutrients and growth regulators for controlling flower & fruit drop and increasing yield in Early crop of Brinjal. |
| 2. | Problem diagnose | Low productivity of Brinjal due to poor fruit set and higher flower & fruit drop during late kharif and early winter season in Hooghly district**.** |
| 3. | Details of technologies selected for assessment/refinement | **Farmers’ practice:** Improper use of micro nutrients and no use of hormone in brinjal  Technology option-I: Application of Micronutrient mixture (Zn,B,Cu,Mo,Mn) @ 2.0g/ litre twice + Application of Triacontanol @ 0.5ml/ litre at full bloom stage  Technology option-II: Application of Micronutrient mixture (Zn,B,Cu,Mo,Mn) @ 2.0g/ litre twice + Application of Planofix @ 0.3ml/ litre at full bloom stage  **Technology option-III:** Application of Micronutrient mixture (Zn,B,Cu,Mo,Mn) @ 2.0g/ litre twice + Application of Ethephon @ 0.3ml/ litre at full bloom stage |
| 4. | Source of Technology | Bidhan Chandra Krishi Viswavidyalaya. |
| 5. | Production system and thematic area | Rice based (Rice-Capsicum-Other vegetables), Horticulture |
| 6. | Performance of the Technology with performance indicators | It is observed that TO-III (use of Ethephon) is more effective to induce more no. of flowers and fruits in brinjal followed by TO-II (use of Planofix) as compared to other treatments and increasing the marketable fruits per plant, thereby to increase the yield. |
| 7. | Final recommendation for micro level situation | Considering the performance of hormone and micronutrients combition to increase yiled and also B:C ratio, the application of micronutrient mixture (Zn,B,Cu,Mo,Mn) @ 2.0g/ litre twice + application of ethephon @ 0.3ml/ litre at full bloom stage may be recommended for kharif and early crop of brinjal. |
| 8. | Constraints identified and feedback for research | No constraint have been faced while conducting the OFT. |
| 9. | Process of farmers participation and their reaction | The farmers face the problem of low fruiting in brinjal asking for a suitable solution, now they are convinced with the results. |

*Thematic area:* Horticulture

Problem definition: Low productivity of brinjal in irrigated farming situation of new alluvial soil in Hooghly district due to poor fruit-set and high flower & fruit drop**.**

Technology assessed: Efficacy of combination of hormones and micro nutrients

***Table:* Efficacy of combination of micronutrients and growth regulators to increase fruit-set in Brinjal**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Technology option** | **No. of trials** | **No. of fruits/ plant** | **Avg. fruit Weight (g)** | **Yield**  **(t/ ha)** | **Cost of cultivation (Rs / ha)** | **Gross Return (Rs / ha)** | **Net Return (Rs / ha)** | **BC Ratio** |
| **Farmers’ Practice**: Improper use of micro nutrients and no use of hormone in brinjal | 7 | 7.64 | 164.2 | 19.34 | 1,62,000 | 2,32,080 | 66,080 | 1.40 |
| **Technology option-I:** Application of Micronutrient mixture (Zn,B,Cu,Mo,Mn) @ 2.0g/ litre twice + Application of Triacontanol @ 0.5ml/ litre at full bloom stage | 8.06 | 165.0 | 21.40 | 1,66,000 | 2,56,800 | 90,800 | 1.55 |
| **Technology option-II:** Application of Micronutrient mixture (Zn,B,Cu,Mo,Mn) @ 2.0g/ litre twice + Application of Planofix @ 0.3ml/ litre at full bloom stage | 8.84 | 173.8 | 24.48 | 1,66,000 | 2,93,760 | 1,27,760 | 1.77 |
| **Technology option-III:** Application of Micronutrient mixture (Zn,B,Cu,Mo,Mn) @ 2.0g/ litre twice + Application of Ethephon @ 0.3ml/ litre at full bloom stage | 10.54 | 174.8 | 27.42 | 1,66,000 | 3,29,040 | 1,63,040 | 1.98 |
| SEm+ |  | 0.215 | 2.89 | 0.284 |  |  |  |  |
| CD(P=0.05) |  | 0.663 | 8.90 | 0.875 |  |  |  |  |

**OFT-IV**

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | Evaluation of improved varieties of chilli in early winter. |
| 2. | Problem diagnose | Low productivity of chilli particularly during late kharif and early winter due to non- availability of suitable varieties in Hooghly district**.** |
| 3. | Details of technologies selected for assessment/refinement | **Farmers’ practice:**  Local cultivar  **Technology option-I:** Arka Meghana  **Technology option-II:**  Arka Khyati  **Technology option-III:** Arka Lohit |
| 4. | Source of Technology | IIHR, ICAR, Bangalore |
| 5. | Production system and thematic area | Rice based (Rice-Chilli-Other vegetables), Horticulture |
| 6. | Performance of the Technology with performance indicators | It is observed that TO-I (Var. Arka Maghana) resulted more fruits and yield than other varieties but all varieties have low pungency which reduces their market demand. |
| 7. | Final recommendation for micro level situation | As the chilli varieties having low pungency which reduces market accepetability these varieties may be replaced by other improved varieties in next year trial. |
| 8. | Constraints identified and feedback for research | Due to lower pungency of fruits of all varieties taken farmers can not accept these varieties. So new improved varieties may be included in the trial. |
| 9. | Process of farmers participation and their reaction | Farmers can not accept these varieties due to low market demand because of low pungent fruits. They are asking to get some other improved varieties having high pungent fruits with good yield. |

**Thematic area:** Horticulture

Problem definition: Low productivity of chilli particularly during late kharif and early winter due to non- availability of suitable varieties in Hooghly district**.**

Technology assessed: Performance of different chilli varieties

**Table:** Evaluation of improved varieties of chilli

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Technology option** | **No. of trials** | **No. of fruits/ plant** | **Avg. fruit Weight (g)** | **Yield**  **(t/ ha)** | **Cost of cultivation (Rs / ha)** | **Gross Return (Rs / ha)** | **Net Return (Rs / ha)** | **BC Ratio** |
| **Farmers’ Practice**: Local cultivar | 7 | 78.6 | 2.9 | 16.32 | 1,29,900 | 1,87,689 | 57,780 | 1.44 |
| **Technology option-I:** Arka Meghana | 107.6 | 4.6 | 24.84 | 1,38,750 | 2,23,560 | 84,810 | 1.61 |
| **Technology option-II:** Arka Khyati | 101.8 | 4.2 | 23.14 | 1,38,750 | 2,08,260 | 69,510 | 1.50 |
| **Technology option-III:** Arka Lohit | 79.2 | 3.4 | 18.86 | 1,32,800 | 1,88,600 | 55,800 | 1.42 |
| SEm+ |  | 2.986 | 0.185 | 16.32 |  |  |  |  |
| **CD(P=0.05)** |  | **9.12** | **0.57** | **3.029** |  |  |  |  |

**OFT-V**

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | Assessment of performance of insecticides on management of thrips of watermelon |
| 2. | Problem diagnose | Low yield of water melon due to high infestation of thrips on watermelon |
| 3. | Details of technologies selected for assessment/refinement  (Assessment) | **Farmers’ Practice:** Profenophos 50%SC @ 1.5ml/l  **TO-I:** Fipronil 5% SC @ 1ml/l, 2-3 spray at 10-15days intervals  **TO-II:** Difenthiuron 50%WP @ 1g/l, 2-3 spray at 10-15days intervals  **TO-III:** Acetamipride 20%SP @ 1g/5l, 2-3 spray at 10-15days intervals |
| 4. | Source of Technology | Bidhan Chandra Krishi Viswavidyalaya. |
| 5. | Production system and thematic area | Rice based (Rice-Potato-Vegetables); Pest management |
| 6. | Performance of the Technology with performance indicators | It is observed that TO-II (Difenthiuron 50%WP @ 1g/l, 2-3 spray at 10-15days intervals) is more effective for management of thrips on watermelon. Low pest population and highest yield (28.2 t/ha) was observed in TO-II. So, the TO-II option is the best option found. |
| 7. | Final recommendation for micro level situation | The OFT should be continued for another one year for final recommendation |
| 8. | Constraints identified and feedback for research | No constraint have been faced while conducting the OFT. |
| 9. | Process of farmers participation and their reaction | Farmers are satisfied with the result because the farmers are convinced to manage the thrips and increases the yield |

**Thematic area:** Plant Protection

**Problem definition:** Low yield of water melon due to infestation of thrips on watermelon

**Technology assessed:** Efficacy of different pesticides for management of thrips on watermelon

**Table: Efficacy of different pesticides for management of thrips on watermelon**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Technology option** | **No. of trials** | **Pest population** | | | **Yield (t/ha)** | **Cost of cultivation (Rs./ha)** | **Gross return (Rs./ha)** | **Net Return**  **(Rs / ha)** | **BC Ratio** |
| **20DAS** | **27DAS** | **34DAS** |
| **Farmers’ Practice:** Profenophos 50%SC @ 1.5ml/l | 10 | 42 | 46 | 24 | 22.3 | 75000 | 223000 | 148000 | 2.97 |
| **TO-I:** Fipronil 5% SC @ 1ml/l, 2-3 spray at 10-15days intervals | 28 | 37 | 12 | 25.4 | 78000 | 254000 | 176000 | 3.25 |
| **TO-II:** Difenthiuron 50%WP @ 1g/l, 2-3 spray at 10-15days intervals | 12 | 12 | 4 | 28.2 | 80000 | 282000 | 202000 | 3.52 |
| **TO-III:** Acetamipride 20%SP @ 1g/5l, 2-3 spray at 10-15days intervals | 11 | 23 | 9 | 27.2 | 79000 | 272000 | 193000 | 3.44 |
| Sem+ | 0.98 | 1.90 | 1.15 | 0.69 | - | - | - | - |
| CD (P=0.05) | 3.03 | 5.86 | 3.57 | 2.10 | - | - | - | - |

**OFT-VI**

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | Assessment of performance of bio-fertilizer on disease management and yield of Groundnut |
| 2. | Problem diagnose | Low yield of groundnut due to non inoculation of seeds with bio-fertilizer. |
| 3. | Details of technologies selected for assessment/refinement  (assessment) | **Farmers’ Practice:** Non inoculation of seeds with bio-fertilizer.  **TO-I:** Seed treatment of groundnut with Rhizobium @ 10g/kg of seed and soil application of Rhizobium @ 1kg/100kg of FYM with soil test based fertilizer application.  **TO-II:** Seed treatment with Arka Microbial Consortium @ 10g/kg of seed and soil application of Arka Microbial consortium @ 1kg/100kg of FYM with half dose of soil test based fertilizer application |
| 4. | Source of Technology | IIHR |
| 5. | Production system and thematic area | Rice based (Groundnut-Potato-Rice); Disease management |
| 6. | Performance of the Technology with performance indicators | It is observed that TO-II (Seed treatment with Arka Microbial Consortium @ 10g/kg of seed and soil application of Arka Microbial consortium @ 1kg/100kg of FYM with half dose of soil test based fertilizer application) is more effective for management of disease and yield as compared to other treatments. Low Percent Disease Incidence (1.0) and highest yield (23.65q/ha) was observed in TO-II. So, the TO-II option is the best option found. |
| 7. | Final recommendation for micro level situation | The OFT should be continued for another one year for final recommendation |
| 8. | Constraints identified and feedback for research | No constraint have been faced while conducting the OFT. |
| 9. | Process of farmers participation and their reaction | Farmers are satisfied with the result because the farmers are convinced to manage the disease and increase the yield with application of half dose of fertilizer. |

**Thematic area:** Plant Protection

**Problem definition:** Assessment of performance of bio-fertilizer on disease management and yield

of Groundnut

**Technology assessed*:*** Effect of bio-fertilizer on disease management and yield of Groundnut

**Table:** Effect of bio-fertilizer on disease management and yield of Groundnut

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Technology option** | **No. of trials** | **Percent Disease Incidence (%)** | **Yield (q/ha)** | **Cost of cultivation (Rs./ha)** | **Gross return (Rs./ha)** | **Net Return**  **(Rs / ha)** | **BC Ratio** |
| **Farmers’ Practice:** Non inoculation of seeds with bio-fertilizer.. | 10 | 8.50 | 18.25 | 56,250.00 | 1,27,750.00 | 71,500.00 | 2.27 |
| **TO-I:** Seed treatment of groundnut with Rhizobium @ 10g/kg of seed and soil application of Rhizobium @ 1kg/100kg of FYM with soil test based fertilizer application | 4.30 | 23.22 | 67,500.00 | 1,62,254.00 | 94,754.00 | 2.40 |
| **TO-II:** Seed treatment with Arka Microbial Consortium @ 10g/kg of seed and soil application of Arka Microbial consortium @ 1kg/100kg of FYM with half dose of soil test based fertilizer application | 1.00 | 23.65 | 65000.00 | 1,65,550 | 1,00,550 | 2.54 |
| Sem+ | 0.85 | 0.46 | - | - | - | - |
| CD(P=0.05) | 2.57 | 1.39 | - | - | - | - |

**OFT-VII**

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | Evaluation of performance of different seed storage container to increase the storability of cucumber seeds. |
| 2. | Problem diagnosed | Poor storability of cucumber seed due to improper storage in Hooghly district |
| 3. | Details of technologies selected for assessment/refinement (Mention either Assessed or Refined) | **Farmers’ Practice:** Seed storage in plastic container ( without seal)  **Technology Option I :** Pre-storage seed treatment with dry Neem leaf dust @ 15 gm/kg seed + seed storage in sealed aluminiun container.  **Technology Option II :** Pre-storage seed treatment with dry Neem leaf dust @ 15 gm/kg seed + Seed storage in sealed glass Jar. |
| 4. | Source of Technology (ICAR/ AICRP/SAU/other, please specify) | Bidhan Chandra Krishi Viswavidyalaya. |
| 5. | Production system and thematic area | Rice based production system (Rice-Onion-Cucumber), Post harvest management / seed storage. |
| 6. | Performance of the Technology with performance indicators | It has been observed that the germination %, speed of germination and seedling dry weight in TO-I (Pre-storage seed treatment with dry Neem leaf dust @ 15 gm/kg seed + seed storage in sealed aluminiun container) is higher as compared to TO-II(Pre-storage seed treatment with dry Neem leaf dust @ 15 gm/kg seed + Seed storage in sealed glass Jar) and farmers practice (Seed storage in plastic container). Considering net return and BC ratio, TO-I (Pre-storage seed treatment with dry Neem leaf dust @ 15 gm/kg seed + seed storage in sealed aluminiun container) is found the best option. |
| 7. | Final recommendation for micro level situation | The OFT should be continued for another one year for final recommendation |
| 8. | Constraints identified and feedback for research | No constraint have been faced while conducting the OFT. |
| 9. | Process of farmers participation and their reaction | Farmers are satisfied with the result because they got suitable seed storage container for maintaining seed viability |

**Thematic area***:* Horticulture

Problem definition: Poor storability of cucumber seed due to improper storage

Technology assessed: Efficacy of different seed storage container on storability of cucumber seeds

**Table:** Effect of different seed storage methods on storability of cucumber seeds

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Technology option** | **No. of trials** | **Germination**  **percentage** | **Speed of Germination** | **Seedling length**  **(cm)** | **Seedling dry wt.(mg)** | **Seed Vigour index\*** | **Cost of cultivation**  **(Rs/ha)** | **Gross**  **Return**  **(Rs/ha)** | **Net Return**  **(Rs / ha)** | **BC Ratio** |
| **Farmers’ Practice:** Seed storage in plastic container ( without seal) | 10 | 73.5 | 43.2 | 21.08 | 20.41 | 1500.1 | 202500 | 336000 | 133500 | 1.66 |
| **Technology Option I :** Pre-storage seed treatment with dry Neem leaf dust @ 15 gm/kg seed + seed storage in sealed aluminiun container. | 94.4 | 59.5 | 25.43 | 27.46 | 2592.2 | 214500 | 392000 | 177500 | 1.83 |
| **Technology Option II :** Pre-storage seed treatment with dry Neem leaf dust @ 15 gm/kg seed + Seed storage in sealed glass Jar. | 88.2 | 56.1 | 25.35 | 24.66 | 2175 | 210600 | 369600 | 159000 | 1.75 |
| SEm+ |  | 0.86 | 0.58 | 0.28 | 0.25 |  |  |  |  |  |
| **CD(P=0.05)** |  | 2.56 | 1.74 | 0.82 | 0.74 |  |  |  |  |  |

\*Seed Vigour index = Germination percentage X seedling dry wt.

**OFT-VIII**

|  |  |  |
| --- | --- | --- |
|  | Title of On farm Trial | Assessment of performance of seed priming on yield of lentil in irrigated farming situation of new alluvial soil in Hooghly district. |
|  | Problem diagnosed | Low productivity of lentil in irrigated farming situation of new alluvial soil in Hooghly district due to lack of seed priming |
|  | Details of technologies selected for assessment/refinement | **Farmers’ Practice :** Seed sown after overnight water soaking  **Technology Option I :** Pre-sowing seed priming with KH2PO4 500ppm for 8 hours  **Technology Option II :** Pre-sowing seed priming with GA3 500ppm for 8 hours |
|  | Source of Technology (ICAR/ AICRP/SAU/other, please specify) | Pulse & Oilseed Research Station, Baharampur, NDUAT, Faizabad |
|  | Production system and thematic area | Rice based (Rice-lentil-Cucumber), Improve production technology |
|  | Performance of the Technology with performance indicators | It has been observed that the number of plants per square meter, test weight, seed yield per plant and yield obtained in TO-II (Pre-sowing seed priming with GA3 500ppm for 8 hours) is higher as compared to TO-I(Pre-sowing seed priming with KH2PO4 500ppm for 8 hours) and farmers practice (Seed sown after overnight water soaking). Considering net return and BC ratio, TO-II (Pre-sowing seed priming with GA3 500ppm for 8 hours) is found the best option. |
|  | Final recommendation for micro level situation | The OFT should be continued for another one year for final recommendation |
|  | Constraints identified and feedback for research | No constraint have been faced while conducting the OFT. |
|  | Process of farmers participation and their reaction | Farmers are convinced with the result because they got more yield by seed priming treatment |

**Thematic area***:* Crop Production

Problem definition: Low productivity of lentil due to lack of seed priming treatment

Technology assessed: Efficacy of seed priming with chemical and growth regulator on yield of lentil

Table: Efficacy of seed invigoration treatment on yield of lentil

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Technology option** | **No. of trials** | **Number of plants per square meter** | **No. of seed /plant** | **Test weight (gm)** | **Seed yield /plant (gm)** | **Yield (q/ha)** | **Cost of cultivation**  **(Rs/ha)** | **Gross**  **Return**  **(Rs/ha)** | **Net Return**  **(Rs / ha)** | **BC Ratio** |
| **Farmers’ Practice :** Seed sown after overnight water soaking | 10 | 493.33 | 139.3 | 18.03 | 1.99 | 10.13 | 24375 | 40520 | 16145 | 1.66 |
| **Technology Option I** : Pre-sowing seed priming with KH2PO4 500ppm for 8 hours | 507.6 | 185.2 | 18.37 | 2.69 | 11.53 | 25200 | 46120 | 20920 | 1.83 |
| **Technology Option II** : Pre-sowing seed priming with GA3 500ppm for 8 hours | 584.1 | 165.7 | 18.97 | 2.88 | 12.75 | 25850 | 51000 | 25150 | 1.97 |
| SEm+ | 4.13 | 2.04 | 0.09 | 0.03 | 0.17 |  |  |  |  |
| **CD(P=0.05)** | 12.37 | 6.11 | 0.28 | 0.089 | 0.51 |  |  |  |  |

Test weight= 1000 seed Weight

**OFT-IX**

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | Assessing the performance of different group sizes of Farmers’ Interest Groups (FIGs) on Group dynamics effectiveness Index |
| 2. | Problem diagnose | Varied performance of Farmers’ Interest Groups of different sizes under different scheme in Hooghly district**.** |
| 3. | Details of technologies selected for assessment/refinement | **TO-I:** Small group ( Comprises of 10-14 no. of members)  **TO-II:** Medium Group ( Comprises of 15-19 no. of members)  **TO-III:** Large Group ( Greater than 20 no. of members) |
| 4. | Source of Technology | BCKV |
| 5. | Production system and thematic area | Rice based (Rice-Potato/Onion-Other vegetables), Home Science and women empowerment |
| 6. | Performance of the Technology with performance indicators | It is observed that TO-I Small group (Comprises of 10-14 no. of members) performed better than the other sizes of the group in respect of Participation, Team work, group Atmosphere, Interest & motivation, Decision making procedure, Group communication and group Achievement under Group dynamics effectiveness Index. |
| 7. | Final recommendation for micro level situation | As the OFT conducted for one year so it may be conducted in the next year for validation and final recommendation. |
| 8. | Constraints identified and feedback for research | The response for Group leadership and Group Co-hessiveness indicator is more or less same due to close attachment of the members of different sizes of group. So these two indicators may be discarded for the trial. |
| 9. | Process of farmers participation and their reaction | Farmers are very responsive during data collection and they are closely attached with Farmers’ Producer Organizations (FPOs) as they are getting various benefits from the FPOs. |

**Thematic area***:* Home Science and women empowerment

Problem definition: Varied performance of Farmers’ Interest Groups of different sizes under different scheme in Hooghly district**.**

**Table:** Assessing the performance of different group sizes of Farmers’ Interest Groups (FIGs) on Group dynamics effectiveness Index

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Technology option** | **No. of groups** | **Participation** | **Team**  **Work** | **Group**  **Atmosphere** | **Interest**  **&**  **Motivation** | **Decision Making Procedure** | **Group Leadership** | **Group Communication** | **Group Co-hessiveness** | **Achievement of**  **Group** |
| **Technology option-I:** Small group  ( Comprises of 10-14 no. of members) | 30 | 22.3 | 22.5 | 24.00 | 24.5 | 13.5 | 17 | 14.5 | 15 | 13.7 |
| **Technology option-II:** Medium Group  ( Comprises of 15-19 no. of members) | 18.7 | 18.9 | 19.5 | 18.5 | 11.5 | 15.7 | 12 | 14 | 11.8 |
| **Technology option-III:** Large Group  ( Greater than 20 no. of members) | 15.5 | 15 | 14.5 | 14.8 | 7.8 | 15 | 10.5 | 14 | 7.8 |

**3.2 Achievements of Frontline Demonstrations**

**A. Details of FLDs conducted during the year**

**Cereals**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Crop** | **Thematic area** | **Technology Demonstrated with detailed treatments** | **Area (ha)** | | **No. of farmers/**  **demonstration** | | | | | | | | | **Reasons for shortfall in achievement** |
| **Proposed** | **Actual** | **SC** | | **ST** | | **Others** | | **Total** | | |
| M | F | M | F | M | F | M | F | **T** |
|  | Aman Paddy | Crop production | SRI technology (Single seedling of lesser duration transplantation with wider spacing) | 5 | 10 | 6 | 0 | 1 | 0 | 63 | 0 | 70 | 0 | 70 |  |
|  | Vermicompost | Production of Organic input | Low cost model unit | - | - | 2 | 1 | 0 | 0 | 6 | 2 | 8 | 3 | 11 |  |
|  | Aman paddy | Crop production | Brown manuring  (Sesbania @ 20 kg/ha is broadcasted 5 DAS of rice and allowed to grow for 30 days and was driyed by spraying 2,4-D ethyl easter @ 1 kg /ha ) | 2 | 1 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 3 | It was very difficult to convince farmer to adopt this FLD but after good crop stand and yield farmers are ready to do the same in next year |
|  | Onion | Crop production | Weed management through application of Oxyflurofen 23.5 EC @ 0.75 ml along with Quizalofop-p-ethyl 10 EC @ 1.25 ml l-1 of water at 15 DAT | 5 | 5 | 7 | 0 | 2 | 0 | 22 | 0 | 31 | 0 | 31 |  |
|  | Sesame | Crop production | Weed management Haloxyfop-r-methyl 10.5 EC @ 100 gm a.i. per ha at 21 DAS | 5 | 5 | 11 | 0 | 0 | 0 | 17 | 0 | 28 | 0 | 28 |  |
|  | Tomato | Horticulture | Improved production technology with var. Arka Samrat | 2 | 2 | 9 | 0 | 0 | 0 | 21 | 0 | 30 | 0 | 30 |  |
|  | Cucumber | Horticulture | Improved production technology through use of ethrel for increasing production | 4 | 4 | 23 | 0 | 4 | 0 | 33 | 0 | 30 | 0 | 60 |  |
|  | Pea | Horticulture | Improved production technology with var. PSM-3 | 2 | 2 | 11 | 0 | 0 | 0 | 20 | 0 | 31 | 0 | 31 |  |
|  | Bitter Gourd | Horticulture | Improved production technology with var. Meghnad-2 | 1 | 1 | 5 | 0 | 2 | 2 | 18 | 0 | 25 | 2 | 27 |  |
|  | Elephant Footyam | Horticulture | Improved production technology with var. Bidhan Kusum | 0.5 | 0.5 | 2 | 2 | 0 | 0 | 16 | 0 | 18 | 2 | 20 |  |
|  | Mango | Horticulture | Improved production technology through use of mango special and planofix to control flower & fruit drop and increase yield | 1 | 1 | 4 | 0 | 0 | 0 | 19 | 0 | 23 | 0 | 23 |  |
|  | Paddy | Plant Protection | Brown Plant Hopper management technology: Skip row planting & Spray Thiomethoxam @ 0.2g/litre of water | 5 | 5 | 10 | 0 | 5 | 0 | 25 | 0 | 40 | 0 | 40 |  |
|  | Paddy | Plant Protection | Sheath blight Management technology:  Seed treatment with Carbendazim @ 2g/kg of seeds & Spray with Validamycin 0.2% | 5 | 5 | 12 | 0 | 10 | 0 | 18 | 0 | 40 | 0 | 40 |  |
|  | Cucumber | Plant Protection | Fruit fly management with Pheromone Trap | 5 | 5 | 10 | 0 | 8 | 0 | 32 | 0 | 50 | 0 | 50 |  |
|  | Cucumber | Plant Protection | Downy mildew disease management technology: Alternate spray with Chlorothalonil @ 2g/l & Cymoxanil-Mancozeb @ 2.5g/l at 7-10days intervals | 2 | 2 | 7 | 0 | 6 | 0 | 7 | 0 | 20 | 0 | 20 |  |
| 16. | Potato | Plant Protection | Late blight management technology: Seed treatment with Mancozeb @ 2g/kg of seed & alternate spray with Mancozeb @ 2.5g/l & Cymoxanil-Mancozeb @ 2.5g/l at 7-10days intervals | 2 | 2 | 5 | 0 | 5 | 0 | 10 | 0 | 20 | 0 | 20 |  |
| 17. | Capsicum | Plant Protection | 2-3 rows of border crops of Maize/Jowar/Bazra all around the capsicum plot & spray NSKE 0.5% alternate with Thiomethoxam 0.2g/litre of water | 1 | 1 | 4 | 0 | 0 | 0 | 6 | 0 | 10 | 0 | 10 |  |
| 18. | Onion | Horticulture | Seed storage technique | 30 (no.) | 30 (no.) | 11 | 0 | 0 | 0 | 19 | 0 | 30 | 0 | 30 |  |
| 19. | Onion | Horticulture | Use of zinc and boron for onion seed production | 2 | 2 | 8 | 0 | 2 | 0 | 15 | 0 | 25 | 0 | 25 |  |
| 20. | Paddy | Crop production | Seed sorting & treatment | 10 | 10 | 20 | 0 | 3 | 0 | 49 | 3 | 72 | 3 | 75 |  |
| 21. | Paddy | Crop production | Improved variety (Prateekha) | 6 | 6 | 23 | 0 | 0 | 0 | 20 | 0 | 43 | 0 | 43 |  |
| 22. | Paddy | Crop production | Improved variety (Sahabhagi) | 2 | 2 | 11 | 0 | 0 | 0 | 4 | 0 | 15 | 0 | 15 |  |
| 23. | Paddy | Crop production | Improved variety during Kharif (Ajit) | 2 | 3.2 | 7 | 0 | 0 | 0 | 7 | 0 | 14 | 0 | 14 |  |
| 24. | Paddy | Crop production | Improved variety during Summer(Ajit) | - | 2 | 3 | 0 | 3 | 0 | 10 | 0 | 10 | 0 | 16 | Recommended in SAC meeting held on 24.09.2018 |
| 25. | Pea | Horticulture | Seed treatment with rhizobium and VAM | 2 | 2 | 0 | 0 | 0 | 0 | 15 | 0 | 15 | 0 | 15 |  |
| 26. | Cucumber | Horticulture | Collection of seed from middle portion of fruit & pre-sowing seed treatment with KNO3 | 2 | 2 | 0 | 0 | 4 | 0 | 11 | 0 | 15 | 0 | 15 |  |

**Details of farming situation**

| **Crop** | **Season** | **Farming situation (RF/Irrigated)** | **Soil type** | **Status of soil**  **(Kg/ha)** | | | **Previous crop** | **Sowing date** | **Harvest date** | **Seasonal rainfall (mm)** | **No. of rainy days** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **N** | **P2O5** | **K2O** |
| Paddy (SRI) | Kharif | Irrigated, med land and med upland | Loam - Clayey loam | 180-290 | 42-56 | 272-330 | Jute/Sesame | 18.06.18-11.07.18 | 14.11.18-20.11.18 | 869 | 75 |
| Vermi compost | Throughout the year | upland | - | - | - | - | - | - | - | - | - |
| Paddy (Brown manuring) | Kharif | Irrigated, med land and med upland | Loam - Clayey loam | 192-256 | 45-50 | 280-326 | Sesame | 28.06.18-08.07.18 | 10.11.18-13.11.18 | 869 | 72 |
| Onion | Rabi | Irrigated, med land and med upland | Loam - Clayey loam | 200-300 | 35-58 | 300-323 | Paddy | 10.11.18-17.11.18 | 16.03.19-26.03.19 | 148.2 | 21 |
| Sesame | Summer | Irrigated, med land and med upland | Sandy loam - Clayey loam | - | - | - | Potato | 18.03.18-  2.04.18 | Crop is in the field | 32.2 | 9 |
| Tomato | Rabi | Irrigated | Sandy loam, Clayey loam | 229-375 | 25-28 | 210-250 | Paddy | 02.10.18-12.10.18 | 19.01.19-10.03.19 | 170.1 | 28 |
| Cucumber | Kharif & Summer | Irrigated & Rainfed | Clayey loam | 237-286 | 24-30 | 225-260 | Paddy & Potato | 02.06.18-16.06.18& 09.02.19-16.02.19 | 07.08.18-21.09.18& 18.04.19- Continuing | 949.3 | 73 |
| Pea | Rabi | Irrigated | Clayey loam | 236-390 | 21-30 | 222-250 | Paddy | 16.11.18-24.11.18 | 27.01.19-11.02.19 | 116 | 12 |
| Bitter Gourd | Summer & Kharif | Irrigated & Rainfed | Clayey loam | 232-286 | 22-31 | 220-248 | Potato / Vegtables | 08.02.19-16.02.19 | Continuing | 129 | 17 |
| Elephant Footyam | Summer & Kharif | Irrigated & Rainfed | Sandy loam/Clayey loam | 230-288 | 23-230 | 221-250 | Potato / Vegtables | 27.02.19-10.03.19 | Continuing | 129 | 17 |
| Mango | Rabi & Summer | Irrigated | Sandy loam/Clayey loam | 228-280 | 20-26 | 218-248 | Sole crop (Mango) | N.A. | Continuing | 129 | 17 |
| Paddy | Kharif | Irrigated, med land and med upland | Clayey loam | 287-345 | 23-38 | 222-322 | Sesame | 18.06.18-25.06.18 | 05.11.18-10.11.18 | 971.2 | 80 |
| Paddy | Kharif | Irrigated, med land and med upland | Clayey loam | 265-347 | 18-30 | 176-312 | Sesame | 22.06.18-29.06.18 | 05.11.18-12.11.18 | 971.2 | 80 |
| Cucumber | Rabi & Pre Kharif | Irrigated, med land and med upland | Clayey loam | 235-387 | 22-27 | 225-255 | Paddy & Potato | 06.11.18 -13.11.18& 15.02.19-19.02.19 | 20.01.19-30.02.19 & Crop is in the field | 148.2 | 21 |
| Cucumber | Rabi & Pre-Kharif | Irrigated | Clayey loam | 233-385 | 20-26 | 223-253 | Paddy & Potato | 07.11.18 -14.11.18 & 16.02.19-23.02.19 | 22.01.19-24.02.19 & Crop is in the field | 148.2 | 21 |
| Potato | Rabi | Irrigated, med land and med upland | Clayey loam | 285-349 | 22-35 | 219-318 | Paddy | 10.11.18-20.11.18 | 26.02.19-02.03.19 | 148.2 | 21 |
| Capsicum | Rabi | Irrigated, med land and med upland | Clayey loam | 285-349 | 22-35 | 219-318 | Paddy | 15.11.18-22.11.18 | 23.02.19-05.03.19 | 148.2 | 21 |
| Onion | Rabi | Irrigated | Clayey loam | - | - | - | Paddy | 12.04.18-08.10.18 (Duration of storage) | - | - | - |
| Onion | Rabi | Irrigated | Clayey loam | 259-321 | 27-35 | 223-321 | Paddy | 04.11.18-09.11.18 | 21.03.19- 28,03.19 | 148.2 | 21 |
| Paddy | Kharif | Irrigated | Clayey loam | 285-348 | 22-27 | 225-341 | Sesame | 18.06.18-25.06.18 | 10.11.18-16.11.18 | 971.2 | 80 |
| Paddy | Kharif | Irrigated | Clayey loam | 291-312 | 20-31 | 195-332 | Sesame | 20.06.18-28.06.18 | 09.11.18-17.11.18 | 971.2 | 80 |
| Paddy | Kharif | Irrigated | Clayey loam | 279-340 | 21-27 | 221-339 | jute | 10.07.18-14.07.18 | 05.11.18-10.11.18 | 732.6 | 67 |
| Paddy | Kharif | Irrigated | Clayey loam | 281-302 | 19-31 | 212-315 | jute | 12.07.18-17.07.18 | 10.11.18-15.11.18 | 732.6 | 67 |
| Paddy | Summer | Irrigated | Clayey loam | 294-335 | 20-28 | 221-339 | Mustard | 15.12.18- 21.12.18 | 05.05.19- 09.05.19 | 191.6 | 28 |
| Pea | Rabi | Irrigated | Clayey loam | 245-335 | 30-39 | 255-369 | Paddy | 17.11.18-25.11.18 | 26.01.19-09.02.19 | 116 | 12 |
| Cucumber | Summer & Rabi | Irrigated | Clayey loam | 234-310 | 23-28 | 235-292 | Onion & Cucumber | 12.04.18-16.04.18 & 17.08.18-26.08.18 | 08.06.18-05.07.18 & 06.10.18 – 15.11.18 | 803.9 & 333.1 | 51 & 44 |

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

**Performance of FLD**

**Oilseeds:**

**Frontline demonstrations on oilseed crops**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop** | **Thematic Area** | **Name of the technology demonstrated** | **No. of Farmers** | **Area**  **(ha)** | **Yield (q/ha)** | | **% Increase** | **\*Economics of demonstration (Rs./ha)** | | | | **\*Economics of check**  **(Rs./ha)** | | | |
| **Demo** | **Check** | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** |
| Sesame\* | Crop production | Herbicide Haloxyfop-r-methyl 10.5 EC @ 100 gm a.i. per ha at 21 DAS | 28 | 5 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  | **28** | **5** |  |  |  |  |  |  |  |  |  |  |  |

\*Crop is in the field

**Pulses   
Frontline demonstration on pulse crops**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop** | **Thematic Area** | **Name of the technology demonstrated** | **No. of Farmers** | **Area**  **(ha)** | **Yield (q/ha)** | | **% Increase** | **\*Economics of demonstration (Rs./ha)** | | | | **\*Economics of check**  **(Rs./ha)** | | | |
| **Demo** | **Check** | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | | | | | | | | | | |
|  | **Total** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

\* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

**Other crops**

| **Crop** | **Thematic area** | **Name of the technology demonstrated** | **No. of Farmer** | **Area**  **(ha)** | **Yield (q/ha)** | | **% change in yield** | **Other parameters** | | | | **\*Economics of demonstration (Rs./ha)** | | | | **\*Economics of check**  **(Rs./ha)** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Demo** | | **Check** | |
| **Demons**  **ration** | **Check** | Effective tiller  (per sq m) | | | | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** |
| Aman Paddy  Var. MTU 7029 | Crop production | SRI technology (Single seedling with wider spacing) | 70 | 10 | 50.2 | 46.5 | 8.3 | 350 | | 480 | | 38,250 | 52,350 | 14,100 | 1.36 | 39,750 | 48,290 | 8,540 | 1.21 |
| Aman paddy | Crop production | Brown manuring  (Sesbania grow along with rice and then dried.) | 3 | 1 | 51.0 | 47.25 | 7.3 | - | | - | | 37,500 | 53,193 | 15,693 | 1.41 | 40,500 | 49,281 | 8,781 | 1.22 |
| Onion\* | Horticulture | Weed management with tank mixture of two herbicide | 31 | 5 | 420 | 375 | 12.2 | - | | - | | 1,35,000 | 1,26,000 | -9000 | - | 1,50,000 | 1,12,500 | 37,500 | - |
| Tomato | Horticulture | Improved production technology with var. Arka Samrat | 30 | 2 | 678 | 565 | 20 | - | | - | | 1,95,800 | 3,97,600 | 2,01,800 | 2.03 | 1,80,700 | 3,20,400 | 1,39,700 | 1.77 |
| Cucumber | Horticulture | Improved production technology through use of ethrel for increasing production | 60 | 4 | 450.15 | 361.75 | 24.44 | - | | - | | 2,12,700 | 4,19,800 | 2,07,100 | 1.97 | 2,01,900 | 3,40,300 | 1,38,400 | 1.69 |
| Pea | Horticulture | Improved production technology with var. PSM-3 | 31 | 2 | 65.45 | 56.90 | 15.03 | - | | - | | 61,600 | 1,38,900 | 77,300 | 2.25 | 57,500 | 1,12,700 | 55,200 | 1.96 |
| Bitter Gourd | Horticulture | Improved production technology with var. Meghnad-2 | 27 | 1 | Continuing | | | | | | | | | | | | | | |
| Elephant Footyam | Horticulture | Improved production technology with var. Bidhan Kusum | 20 | 0.5 | Continuing | | | | | | | | | | | | | | |
| Mango | Horticulture | Improved production technology through use of mango special and planofix to control flower & fruit drop and increase yield | 23 | 1 | Continuing | | | | | | | | | | | | | | |
| Onion | Horticulture | Seed storage technique | 30 | 30 (no.) | - | - | - | G% 91 | VI 311.2 | G% 69.5 | VI 212.7 | 460350 | 940800 | 480450 | 2.04 | 450590 | 823200 | 372610 | 1.83 |
| Onion | Horticulture | Use of zinc and boron for seed production | 25 | 2 | 6.39 | 5.74 | 11.32 |  |  |  |  | 452970 | 894600 | 441630 | 1.97 | 447650 | 803600 | 355950 | 1.80 |
| Paddy | Crop production | Seed sorting & treatment | 75 | 10 | 52.24 | 48.05 | 8.72 |  |  |  |  | 48150 | 73136 | 24986 | 1.52 | 46850 | 67270 | 20420 | 1.44 |
| Paddy | Crop production | Improved variety  (Prateekha) | 43 | 6 | 48.65 | 43.12 | 12.82 |  |  |  |  | 47510 | 68110 | 20600 | 1.43 | 46240 | 61230.4 | 14990.4 | 1.32 |
| Paddy | Crop production | Improved variety (Sahabhagi) | 15 | 2 | 44.3 | 39.5 | 12.15 |  |  |  |  | 41510 | 64235 | 22725 | 1.55 | 40340 | 59250 | 18910 | 1.46 |
| Paddy | Crop production | Improved variety during Kharif (Ajit) | 14 | 3.2 | 46.4 | 40.4 | 14.85 |  |  |  |  | 41800 | 69600 | 27800 | 1.67 | 39750 | 60600 | 20850 | 1.52 |
| Paddy | Crop production | Improved variety during Summer (Ajit) | 16 | 2 | 53.6 | 46.8 | 14.53 |  |  |  |  | 52500 | 80400 | 27900 | 1.53 | 51340 | 70200 | 18860 | 1.37 |
| Pea | Horticulture | Seed treatment with rhizobium &VAM | 15 | 2 | 62.47 | 55.85 | 11.85 |  |  |  |  | 52350 | 121816.5 | 69466.5 | 2.33 | 51200 | 108907.5 | 57707.5 | 2.13 |
| Cucumber | Horticulture | Collection of seed from middle portion of fruit & pre-sowing seed treatment with KNO3 | 15 | 2 | 466.14 | 371.25 | 25.56 |  |  |  |  | 197850 | 419526 | 221676 | 2.12 | 196750 | 334125 | 137375 | 1.70 |
| Paddy | Plant Protection | Brown Plant Hopper management | 40 | 5 | 49.8 | 44.6 | 10.50 |  |  |  |  | 49000 | 74700 | 25700 | 1.52 | 47000 | 66900 | 19900 | 1.42 |
| Paddy | Plant Protection | Sheath blight disease management | 40 | 5 | 49.7 | 44.4 | 10.66 |  |  |  |  | 49000 | 74550 | 25550 | 1.52 | 47000 | 66600 | 19600 | 1.41 |
| Cucumber | Plant Protection | Fruit fly management | 20 | 5 | 400 | 350 | 14.25 |  |  |  |  | 190000 | 400000 | 310000 | 2.10 | 175000 | 350000 | 175000 | 2.00 |
| Cucumber | Plant Protection | Downy mildew disease management | 20 | 2 | 400 | 350 | 14.25 |  |  |  |  | 190000 | 400000 | 310000 | 2.10 | 175000 | 350000 | 175000 | 2.00 |
| Potato | Plant Protection | Late blight management | 20 | 2 | 320 | 272 | 17.64 |  |  |  |  | 135000 | 160000 | 25000 | 1.18 | 125000 | 136000 | 11000 | 1.08 |
| Capsicum | Plant Protection | Leaf curl disease management | 10 | 1 | 295.4 | 194.5 | 34.15 |  |  |  |  | 230000 | 590800 | 360800 | 2.57 | 222000 | 389000 | 167000 | 1.75 |
| **Total** | | | **689** | **75.7** |  | | | | | | | | | | | | | | |

* Though this year farmers’ received better yield than last year but faced havoc loss mainly due to heavy and frequent rainfall at harvesting stage which not only spoil the produce in field but also reduce the keeping quality of onion and forced farmer to sale at minimum price. This year initially it was Rs.1.50-2.00 per kg but few days later increases to Rs. 3.5-4.0 per kg.
* G%= Germination%, VI= Vigour index, \*Seed Vigour index = Germination percentage X seedling dry wt.

**Livestock**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Category** | **Thematic**  **area** | **Name of the technology demonstrated** | **No. of Farmer** | **No.of units** | **Major parameters** | | **% change in major parameter** | **Other parameter** | | **\*Economics of demonstration (Rs.)** | | | | **\*Economics of check**  **(Rs.)** | | | |
| **Demons**  **ration** | **Check** | **Demons**  **ration** | **Check** | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** |
| Dairy |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cow |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Buffalo |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Poultry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rabbitry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pigerry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sheep and goat |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Duckery |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

\* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

Fisheries

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Category** | **Thematic area** | **Name of the technology demonstrated** | **No. of Farmer** | **No.of units** | **Major parameters** | | **% change in major parameter** | **Other parameter** | | **\*Economics of demonstration (Rs.)** | | | | **\*Economics of check**  **(Rs.)** | | | |
| **Demons**  **ration** | **Check** | **Demons**  **ration** | **Check** | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** |
| Common carps |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mussels |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ornamental fishes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Total** | |  |  |  | | | | | | | | | | | | |

\* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

Other enterprises

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Category** | **Name of the technology demonstrated** | **No. of Farmer** | **No.of units** | **Major parameters** | | **% change in major parameter** | **Other parameter** | | **\*Economics of demonstration (Rs.) or Rs./unit** | | | | **\*Economics of check**  **(Rs.) or Rs./unit** | | | |
| **Demons**  **ration** | **Check** | **Demons**  **ration** | **Check** | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** |
| Oyster mushroom |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Button mushroom |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vermicompost | Enterprise development through Low cost model unit | 11 | 22 | 100 kg/unit at a time (4 times in a year) | - | - |  |  | 1500  (Construction cost of shade and implements are not counted) | 2400  (4 q per unit per year) | 900 | 1.6 |  |  |  |  |
| Sericulture |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Apiculture |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total** | | **11** | **22** |  | | | | | | | | | | | | |

\* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

Women empowerment

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Category | Name of technology | No. of demonstrations | Observations | | Remarks |
| Demonstration | Check |
| Farm Women |  |  |  |  |  |
| Pregnant women |  |  |  |  |  |
| Adolescent Girl |  |  |  |  |  |
| Other women |  |  |  |  |  |
| Children |  |  |  |  |  |
| Neonatal |  |  |  |  |  |
| Infants |  |  |  |  |  |

Farm implements and machinery

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name of the implement** | **Crop** | **Name of the technology demonstrated** | **No. of Farmer** | **Area (ha)** | **Filed observation (output/man hour)** | | **% change in major parameter** | **Labor reduction (man days)** | | | | **Cost reduction (Rs./ha or Rs./Unit)** | | | |
| **Demons**  **ration** | **Check** |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**\* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.**

**\*\* BCR= GROSS RETURN/GROSS COST**

**Demonstration details on crop hybrids**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop** | **Name of the Hybrid** | **No. of**  **farmers** | **Area**  **(ha)** | **Yield (kg/ha) / major parameter** | | | **Economics (Rs./ha)** | | | |
| Cereals |  |  |  | **Demo** | **Local check** | **% change** | **Gross**  **Cost** | **Gross**  **Return** | **Net**  **Return** | **BCR** |
|  |  |  |  |  |  |  |  |  |  |  |
| Bajra |  |  |  |  |  |  |  |  |  |  |
| Maize |  |  |  |  |  |  |  |  |  |  |
| Paddy |  |  |  |  |  |  |  |  |  |  |
| Sorghum |  |  |  |  |  |  |  |  |  |  |
| Wheat |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| Oilseeds |  |  |  |  |  |  |  |  |  |  |
| Castor |  |  |  |  |  |  |  |  |  |  |
| Mustard |  |  |  |  |  |  |  |  |  |  |
| Safflower |  |  |  |  |  |  |  |  |  |  |
| Sesame |  |  |  |  |  |  |  |  |  |  |
| Sunflower |  |  |  |  |  |  |  |  |  |  |
| Groundnut |  |  |  |  |  |  |  |  |  |  |
| Soybean |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| Pulses |  |  |  |  |  |  |  |  |  |  |
| Greengram |  |  |  |  |  |  |  |  |  |  |
| Blackgram |  |  |  |  |  |  |  |  |  |  |
| Bengalgram |  |  |  |  |  |  |  |  |  |  |
| Redgram |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| Vegetable crops |  |  |  |  |  |  |  |  |  |  |
| Bottle gourd |  |  |  |  |  |  |  |  |  |  |
| Capsicum |  |  |  |  |  |  |  |  |  |  |
| Cucumber |  |  |  |  |  |  |  |  |  |  |
| Tomato |  |  |  |  |  |  |  |  |  |  |
| Brinjal |  |  |  |  |  |  |  |  |  |  |
| Okra |  |  |  |  |  |  |  |  |  |  |
| Onion |  |  |  |  |  |  |  |  |  |  |
| Potato |  |  |  |  |  |  |  |  |  |  |
| Field bean |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| Commercial crops |  |  |  |  |  |  |  |  |  |  |
| Cotton |  |  |  |  |  |  |  |  |  |  |
| Coconut |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| Fodder crops |  |  |  |  |  |  |  |  |  |  |
| Napier (Fodder) |  |  |  |  |  |  |  |  |  |  |
| Maize (Fodder) |  |  |  |  |  |  |  |  |  |  |
| Sorghum (Fodder) |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |

**Technical Feedback on the demonstrated technologies**

|  |  |  |
| --- | --- | --- |
| **Sl. No** | **Crop** | **Feed Back** |
| 1. | Aman Paddy (SRI) | FLD on SRI is conducting from last four years. Farmers are happy with the performance of single seedling transplantation methods with wider spacing and the number of farmers accepting this methodology is increasing day by day. |
| 2. | Vermicompost | Now, farmers are well aware about the present health condition of soil and have realized the significance of application of organic manure in their field. But because of not having good amount of cow dung they were not utilizing it. But with this FLD they are producing good quality vermicompost with less cow dung and other available farm produce with low cost technology. Not only the farmers, rural youth are also coming forward and showing interest on it. |
| 3. | Aman paddy  (Brown manuring) | Initially it was very difficult to convince the farmer to adopt this FLD but after good crop stand and higher yield farmers of nearby areas are very happy and visited that field and shown interest to do the same in next year. |
| 4. | Onion | Combination of two post emergence herbicides showed better control of weeds. |
| 5. | Sesame | Weed is a huge problem in sesame but this time application of new generation herbicide Haloxyfop-r-methyl showed very good performance in controlling weeds. |

**Extension and Training activities under FLD**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Activity** | **Date** | **No. of activities organized** | **Number of participants** | **Remarks** |
| 1. | Field days | 01.11.2018  12.10.2018  28.01.2019 | 3 | 146 |  |
| 2. | Farmers Training | 13.08.2018  06.09.2018  09.10.2018  12.10.2018  01.11.2018  19.11.2018  07.12.2018  01.02.2019 | 7 | 261 |  |
| 3. | Media coverage | 1. Doordarshan – 30.10.2018 2. All India Radio, Kolkata- 3. 12.11.2018 4. Doordarshan – 5. 27.02.2019 | – | – |  |
| 4. | Training for extension functionaries | – | – | – |  |

**Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2018 and Rabi 2018-19:**

**CLUSTER FRONTLINE DEMONSTRATION OF KHARIF PULSES (2018-19): BLACK GRAM**

1. **Technical Parameters:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Crop demonstrated** | **Existing (Farmer's) variety name** | **Existing yield**  **(q/ha)** | **Yield gap (Kg/ha)**  **w.r.to** | | | **Name of Variety + Technology**  **demonstrated** | **Number of farmers** | **Area in ha** | **Yield obtained (q/ha)** | | | **Yield gap minimized**  **(%)** | | |
| **District**  **yield (D)** | **State**  **yield (S)** | **Potential**  **yield (P)** |
| **Max.** | **Min.** | **Av.** | **D** | **S** | **P** |
| 1. | Black gram | Sarada | 7.6 | 705 | 609 | 1600 | * Var. Sulata (WB 109) * Seed inoculation @ 1.5 kg / ha * Integrated Pest Management with Propineb (Antracol) @ 3g / l of water was applied for disease management   and Imidachlorprid (Confider) @ 0.3 ml/l of water. Chlorpyriphos (Tricel) 2.5ml / lit for insect management.  Chlorantraniliprole(Coragen)@ 0.3 ml/l of water | 165 | 50 | 12.15 | 8.24 | 10.58 | 29.6 | 43.5 | -48.2 |

1. **Economic parameters**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Variety demonstrated & Technology demonstrated** | **Farmer’s Existing plot** | | | | **Demonstration plot** | | | |
| **Gross Cost**  **(Rs/ha)** | **Gross return**  **(Rs/ha)** | **Net Return**  **(Rs/ha)** | **B:C**  **ratio** | **Gross Cost**  **(Rs/ha)** | **Gross return**  **(Rs/ha)** | **Net Return**  **(Rs/ha)** | **B:C**  **ratio** |
|  | * Var. Sulata (WB 109) * Seed inoculation * Integrated Pest Management, | 15,750.00 | 34,200.00 | 18,450.00 | 2.17 | 19,500.00 | 47,610.00 | 28,110.00 | 2.44 |

1. **Socio-economic impact parameters**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Crop and variety**  **Demonstrated** | **Total Produce**  **Obtained (kg)** | **Produce sold**  **(Kg/household)** | **Selling**  **Rate**  **(Rs/Kg)** | **Produce used for own sowing (Kg)** | **Produce distributed to other farmers (Kg)** | **Purpose for which income gained was utilized** | **Employment Generated (Mandays/house hold)** |
| 1. | * Black gram   Var. Sulata (WB 109) | 174570 | 90% | 45.00 | 10% | No | Family livelihood | 80 per ha |

1. **Farmers’ perception of the intervention demonstrated**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Technologies demonstrated**  **(with name)** | **Farmers' Perception parameters** | | | | | |
| **Suitability to their farming system** | **Likings**  **(Preference)** | **Affordability** | **Any negative effect** | **Is Technology acceptable to all in the group/village** | **Suggestions, for change/improvement, if any** |
| 1. | * Var. Sulata (WB 109) * Seed inoculation @ 1.5 kg / ha * IPM | 100% | 100% | 100% | No | Yes | In many places water logging is a problem when there is excessive rainfall. |

1. **Specific Characteristics of Technology and Performance**

|  |  |  |  |
| --- | --- | --- | --- |
| **Specific Characteristic** | **Performance** | **Performance of Technology vis-a vis Local Check** | **Farmers Feedback** |
| * Var. Sulata (WB 109) | Better germination and excellent crop growth. | Seed is not so good what they used | Farmers are very satisfied with variety. |
| * Seed inoculation @ 1.5 kg / ha | More nodulation resulting higher soil fertility | No use of Rhizobium. | Rhizobium is not available in local market. |
| * IPM | After application pesticide in time disease pest attack was very less. | Different kinds of insecticides were used by different farmer, but proper care was not done. | Farmers usually grow blackgram without taking any care but in CFLD best agronomic practices alongwith seed treatment were adopted. |

1. **Extension activities under FLD conducted till dates:**

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No. | Extension Activities organized | Date and place of activity | Number of farmer attended |
|  | Training | 13.08.2018, Hooghly KVK | 32 |
|  | 06.09.2018, Jangalpara | 50 |
|  | 01.11.2018, Mundukhola, Balagarh | 34 |
|  | Field visit | 16.8.2018, Dhobapara, Balagarh | 8 |
|  | 17.8.2018, Thoipara, Panduah | 8 |
|  | 01.09.2018 Ichhapur, Balagarh | 3 |
|  | 20.09.2018 Jangalpara | 3 |
|  | 9.10.2018 Mutukpur, Balagarh | 10 |
|  | Field Day | 01.11.2018, Inchura, Balagarh | 28 |
|  | 01.11.2018, Mundukhola, Balagarh | 28 |

**G. Sequential good quality photographs (as per crop stages i.e. growth & development)**

**H. Farmers' training photographs**

**I. Quality Photographs of field visits/field days and technology demonstrated**

**J. Details of budget utilization**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Crop**  **(provide crop wise information )** | **Items** | **Budget Received (Rs.)** | **Budget Utilization (Rs.)** | **Balance (Rs.)** |
| Black gram | i) Critical input | 4,05,000.00 | 3,97,625.00 | 7,375.00 |
| ii) TA/DA/POL etc. for monitoring | 45,000.00 | 45,000.00 | 0.00 |
| iii) Extension Activities (Field day) |
| iv)Publication of literature |
| **Total** | | **4,50,000.00** | **4,42,625.00** | **7,375.00** |

**CLUSTER FRONTLINE DEMONSTRATION OF KHARIF OIL SEED (2018-19): GROUNDNUT**

1. **Technical Parameters:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Crop demonstrated** | **Existing (Farmer's) variety name** | **Existing yield**  **(q/ha)** | **Yield gap (Kg/ha)**  **w.r.to** | | | **Name of Variety + Technology**  **demonstrated** | **Number of farmers** | **Area in ha** | **Yield obtained (q/ha)** | | | **Yield gap minimized**  **(%)** | | |
| **District**  **yield (D)** | **State**  **yield (S)** | **Potential**  **yield (P)** |
| **Max.** | **Min.** | **Av.** | **D** | **S** | **P** |
| 1. | Groundnut | TAG 24 | 18.25 | 1960 | 1543 | 3700 | TAG 24  Seed inoculation with Rhizobium @ 200g/kg seeds  IPM practices with spray Chlorpyriphos @ 2.5ml/litre and Captan + Hexaconazole @ 1.5g/litre of water | 29 | 10 | 25.50 | 20.10 | 23.22 | 18.5 | 50.0 | -37.2 |
| 2. | Groundnut | TAG 24 | 18.25 | 1960 | 1543 | 3700 | Weed management through herbicide,  Claro  (Haloxyfop r Methyl) @  750ml/ha at 25 DAS. | 33 | 10 | 21.00 | 18.75 | 19.89 | 11.9 | 32.4 | -44.7 |

1. **Economic parameters**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Variety demonstrated & Technology demonstrated** | **Farmer’s Existing plot** | | | | **Demonstration plot** | | | |
| **Gross Cost**  **(Rs/ha)** | **Gross return**  **(Rs/ha)** | **Net Return**  **(Rs/ha)** | **B:C**  **ratio** | **Gross Cost**  **(Rs/ha)** | **Gross return**  **(Rs/ha)** | **Net Return**  **(Rs/ha)** | **B:C**  **ratio** |
| 1. | TAG 24  Seed inoculation with Rhizobium @ 200g/kg seeds  IPM practices with spray Chlorpyriphos @ 2.5ml/litre and Captan + Hexaconazole @ 1.5g/litre of water | 56,250.00 | 1,27,750.00 | 71,500.00 | 2.27 | 67,500.00 | 1,62,254.00 | 94,754.00 | 2.40 |
| 2. | Weed management through herbicide, Claro  (Haloxyfop r Methyl) @  750ml/ha at 25 DAS. | 56,250.00 | 1,27,750.00 | 71,500.00 | 2.27 | 60,000.00 | 1,39.200.00 | 79,200.00 | 2.32 |

1. **Socio-economic impact parameters**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Crop and variety**  **Demonstrated** | **Total Produce**  **Obtained (kg)** | **Produce sold**  **(Kg/household)** | **Selling**  **Rate**  **(Rs/Kg)** | **Produce used for own sowing (Kg)** | **Produce distributed to other farmers (Kg)** | **Purpose for which income gained was utilized** | **Employment Generated (Mandays/house hold)** |
| 1 | TAG 24 | 1,32,990 | 90% sold | 70.00 | 10% | Nil | To fulfill their livelihood needs | 140 |

1. **Oilseed Farmers’ perception of the intervention demonstrated**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Technologies demonstrated**  **(with name)** | **Farmers' Perception parameters** | | | | | |
| **Suitability to their farming system** | **Likings**  **(Preference)** | **Affordability** | **Any negative effect** | **Is Technology acceptable to all in the group/village** | **Suggestions, for change/improvement, if any** |
| 1 | * TAG 24 * Seed inoculation with Rhizobium @ 200g/kg seeds * IPM practices with spray Chlorpyriphos @ 2.5ml/litre and Captan + Hexaconazole @ 1.5g/litre of water | Yes | KVK | Good quality seeds of this variety is available and farmers can afford | No | Yes | This variety is highly acceptable and technology demonstrated is suitable for them |
| 2 | * Weed management through herbicide, Claro(Haloxyfop r Methyl) @750ml/ha at 25 DAS. | Yes | KVK | Herbicides is easily available | No | Yes | This new generation herbicide became a very good option for them to minimize weed infestation. |

1. **Specific Characteristics of Technology and Performance**

|  |  |  |  |
| --- | --- | --- | --- |
| **Specific Characteristic** | **Performance** | **Performance of Technology vis-a vis Local Check** | **Farmers Feedback** |
| * TAG 24 * Seed inoculation with Rhizobium @ 200g/kg seeds * IPM practices with spray Chlorpyriphos @ 2.5ml/litre and Captan + Hexaconazole @ 1.5g/litre of water | Increases the yield | Seed treatment with fungicides reduces the chances of seed borne disease infection and seed inoculation with rhizobium enhances the pod yield and followed IPM practices managed the pest attack | By application of rhizobium the yield is increases. |
| * Weed management through herbicide, Claro (Haloxyfop r Methyl) @750ml/ha at 25 DAS. | Reduces crop-weed competition | Less dependency on farm labour | Cost effective |

1. **Extension activities under FLD conducted till dates:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Extension Activities organized** | **Date and place of activity** | | **Number of farmer attended** |
| 1 | Seed Distribution | 21.07.2018 | Chiladangi, Pursurah | 30 |
| 2 | Training Programme | 9.10.2018  12.10.2018 | Naskarpur, Tarakeswar  KVK | 20  25 |
| 3 | Field Visit | 24.08. 2018  28.08. 2018  03.09.2018  10.09.2018  12.09.2018  26.10.2018 | Mukundapur, Jangipara  Naskarpur, Tarakeswar  Tantisal, Khanakul  Tantisal, Khanakul  Jangipara  Naskarpur, Tarakeswar |  |
| 4 | Field Day | 12.10.2018 | Naskarpur, Tarakeswar | 22 |

**G. Sequential good quality photographs (as per crop stages i.e. growth & development)**

**H. Farmers' training photographs**

**I. Quality Photographs of field visits/field days and technology demonstrated**

**J. Details of budget utilization**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Crop**  **(provide crop wise information )** | **Items** | **Budget**  **Received**  **(Rs.)** | **Budget**  **Utilization**  **(Rs.)** | **Balance**  **(Rs.)** |
| Groundnut | i) Critical input | 2,40,000.00 | 2,14,390.00 | 1,610.00 |
| ii) TA/DA/POL etc. for monitoring | 11,000.00 |
| iii) Extension Activities (Field day) | 7,000.00 |
| iv)Publication of literature | 6,000.00 |
|  | **Total** | **2,40,000.00** | **2,38,390.00** | **1,610.00** |

**CLUSTER FRONTLINE DEMONSTRATION OF RABI PULSE (2018-19) LENTIL**

1. **Technical Parameters:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Crop demonstrated** | **Existing (Farmer's) variety name** | **Existing yield**  **(q/ha)** | **Yield gap (Kg/ha)**  **w.r.to** | | | **Name of Variety + Technology**  **demonstrated** | **Number of farmers** | **Area in ha** | **Yield obtained (q/ha)** | | | **Yield gap minimized**  **(%)** | | |
| **District**  **yield (D)** | **State**  **yield (S)** | **Potential**  **yield (P)** |
| **Max.** | **Min.** | **Av.** | **D** | **S** | **P** |
| 1 | Lentil | Ranjan | 10.0 | 1050 | 959 | 18.0 | * Variety Moitree   (WBL 77)   * Seed inoculation with Rhizobium * Application of Propineb (Antracol) @ 3g / l of water and Mancozeb (ZEB 45) was applied for disease management . * Application of Coragen @ 0.3 ml/ lit water * Boron was applied as 0.5 g/l of water twice for better pod setting. | 156 | **30** | 13.1 | 10.4 | 11.4 | 8.57 | 18.87 | -36.6 |

1. **Economic parameters**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Variety demonstrated & Technology demonstrated** | **Farmer’s Existing plot** | | | | **Demonstration plot** | | | |
| **Gross Cost**  **(Rs/ha)** | **Gross return**  **(Rs/ha)** | **Net Return**  **(Rs/ha)** | **B:C**  **ratio** | **Gross Cost**  **(Rs/ha)** | **Gross return**  **(Rs/ha)** | **Net Return**  **(Rs/ha)** | **B:C**  **ratio** |
| 1 | Technology stated above | 24,000 | 42,200 | 18,200 | **1.75** | 25,500 | 47,880 | 22,380 | **1.87** |

1. **Socio-economic impact parameters**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Crop and variety**  **Demonstrated** | **Total Produce**  **Obtained (kg)** | **Produce sold**  **(Kg/household)** | **Selling**  **Rate**  **(Rs/Kg)** | **Produce used for own sowing (Kg)** | **Produce distributed to other farmers (Kg)** | **Purpose for which income gained was utilized** | **Employment Generated (Mandays / house hold)** |
| 1. | * Variety Moitree   (WBL 77) | **34051** | 70% | 42.00 | 5% | 0 | To fulfill the household need | 130 mandays/ ha |

1. **Pulse Farmers’ perception of the intervention demonstrated**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Technologies demonstrated**  **(with name)** | **Farmers' Perception parameters** | | | | | |
| **Suitability to their farming system** | **Likings**  **(Preference)** | **Affordability** | **Any negative effect** | **Is Technology acceptable to all in the group/village** | **Suggestions, for change/improvement, if any** |
| 1 | * Variety Moitree (WBL 77) * Seed inoculation with Rhizobium @ 1.5 kg / ha. * Propineb (Antracol) @ 3g / l of water was applied. * Application of Coragen @ 0.3 ml/ lit water * Boron was applied as 0.5 g/l of water at 30 and 45 DAS for better pod setting. | 100% | 80% | 100% | No | Yes | No |

1. **Specific Characteristics of Technology and Performance**

|  |  |  |  |
| --- | --- | --- | --- |
| **Specific Characteristic** | **Performance** | **Performance of Technology vis-a vis Local Check** | **Farmers Feedback** |
| Variety Moitree  (WBL 77) | Better germination and better crop growth, Profuse branching | Seed quality is not so good resulting lower seed germination and poor crop stand | Farmers are very satisfied with this new variety |
| Seed inoculation with Rhizobium @ 1.5 kg / ha | More nodulation resulting higher soil fertility | Less nodulation was observed in root because of no use of Rhizobium. | Rhizobium is not available in local market. |
| Application of Coragen @ 0.3 ml/ lit water | Control aphid at later crop growth stage when temperature increases | No insecticide was for controlling aphid | Application of right insecticide in right time can control aphid and give better crop growth |
| Propineb @ 3g / l of water was applied. | Blight is well managed with this chemical | Farmers are generally using Mancozeb for disease management | Earlier they were unable to manage blight properly. |
| Boron was applied as 0.5 g/l of water at 30 and 45 DAS | Better pod setting was observed resulting higher yield. | No micro-nutrient was applied as spray at later stage. | Spraying Boron is new to them. |

1. **Extension activities under FLD conducted till dates:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Extension Activities organized** | **Date of Activity** | **Place of activity** | **Number of farmer attended** |
|  | Seed distribution and Training | 05.11.2018 | KVK Chinsura. | 60 |
|  | Training Programme | 19.11.2018 | Hooghly KVK | 30 |
|  | 01.02.2019 | Hooghly KVK | 23 |
|  | Field Day | 28.01.2019 | Gangadharpur, Chanditala 1 | 40 |
|  | Field visit | 23.11.2019 | Dhaniakhali |  |
|  | 30.11.2019 | Mundukhola, Balagarh |  |
|  | 13.12.2019 | Tildanga, Balagarh |  |
|  | 26.01.2019 | Bonkrishnapur, Chanditala 1 |  |
|  | 23.01.2019 | Khoragarh, Chanditala 2 |  |
|  |  | 28.01.2019 | Gangadharpur, Chanditala 1 |  |

**G. Sequential good quality photographs (as per crop stages i.e. growth & development)**

**H. Farmers' training and input distribution photographs**

**I. Quality Photographs of field visits/field days and**

**J. Details of budget utilization**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Crop**  **(provide crop wise information )** | **Items** | **Budget Received (Rs.)** | **Budget Utilization (Rs.)** | **Balance (Rs.)** |
| Lentil | i) Critical input | 2,43,000.00 | 2,38,010.00 | 4,990.00 |
| ii) TA/DA/POL etc. for monitoring | 27,000.00 | 27,000.00 | 0.00 |
| iii) Extension Activities (Field day) |
| iv)Publication of literature |
|  | **Total** | **2,70,000.00** | **2,65,010.00** | **4,990.00** |

**CLUSTER FRONTLINE DEMONSTRATION OF RABI OIL SEED (2018-19): MUSTARD**

**A. Technical Parameters:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Crop demonstrated** | **Existing (Farmer's) variety name** | **Existing yield**  **(q/ha)** | **Yield gap (Kg/ha)**  **w.r.to** | | | **Name of Variety + Technology**  **demonstrated** | **Number of farmers** | **Area in ha** | **Yield obtained (q/ha)** | | | **Yield gap minimized**  **(%)** | | |
| **District**  **yield (D)** | **State**  **yield (S)** | **Potential**  **yield (P)** |
| **Max.** | **Min.** | **Av.** | **D** | **S** | **P** |
| 1 | Mustard | B-9 | 9.5 | 1049 | 909 | 2238 | Var. Pusa Mustard 30   * Application of Dimethoate (Tafgor) @ 2 ml/ lit water. | 38 | 10 | **15.02** | 9.75 | 11.31 | 7.8 | 24.2 | -49.4 |

1. **Economic parameters**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Variety demonstrated & Technology demonstrated** | **Farmer’s Existing plot** | | | | **Demonstration plot** | | | |
| **Gross Cost**  **(Rs/ha)** | **Gross return**  **(Rs/ha)** | **Net Return**  **(Rs/ha)** | **B:C**  **ratio** | **Gross Cost**  **(Rs/ha)** | **Gross return**  **(Rs/ha)** | **Net Return**  **(Rs/ha)** | **B:C**  **ratio** |
|  | * Var. Pusa Mustard 30 * Application of Dimethoate (Tafgor) @ 2 ml/ lit water | 21,000 | 33,250 | 12,250 | **1.58** | 24,000 | 39,585 | 15,585 | **1.65** |

1. **Socio-economic impact parameters**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Crop and variety**  **Demonstrated** | **Total Produce**  **Obtained (kg)** | **Produce sold**  **(Kg/household)** | **Selling**  **Rate**  **(Rs/Kg)** | **Produce used for own sowing (Kg)** | **Produce distributed to other farmers (Kg)** | **Purpose for which income gained was utilized** | **Employment Generated (Mandays/house hold)** |
| 1. | Var. Pusa Mustard 30 | 33068 | 70 % | **35.00** | 5% | Nill | A good amount of seed is used to meet up the required oil for own consumption and rest for household purpose | 120-130 per ha |

1. **Oilseed Farmers’ perception of the intervention demonstrated**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Technologies demonstrated**  **(with name)** | **Farmers' Perception parameters** | | | | | |
| **Suitability to their farming system** | **Likings**  **(Preference)** | **Affordability** | **Any negative effect** | **Is Technology acceptable to all in the group/village** | **Suggestions, for change/improvement, if any** |
| 1 | * Var. Pusa Mustard 30 * Application of Dimethoate (Tafgor) @ 2 ml/ lit water | Higher | High | 80 % | No | Yes | New varieties having 90-95 duration and higher yield is required instead of this. |

1. **Specific Characteristics of Technology and Performance**

|  |  |  |  |
| --- | --- | --- | --- |
| **Specific Characteristic** | **Performance** | **Performance of Technology vis-a vis Local Check** | **Farmers Feedback** |
| Quality seed | Better germination and better crop growth, | Quality of seed they generally used is not so good resulting lower seed germination and poor crop stand | Farmers are very satisfied with this new variety though some of them are having different views with respect to duration of crops. |
| Crop Protection | Early sowing and spray with Dimethoate (Tafgor) @ 2 ml/ lit water control aphid | In late sown crop aphid population was high which hamper the yield even after application of insecticides | Early sowing reduces the chances of aphid infestation. |

1. **Extension activities under FLD conducted till dates:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Extension Activities organized** | **Date of Activity** | **Place of activity** | **Number of farmer attended** |
|  | Seed distribution and Training | 19.11.2018 | KVK Chinsura. | 20 |
|  | Training Programme | 19.11.2018 | Hooghly KVK | 24 |
|  | 7.12.2019 | Hooghly KVK | 23 |
|  | Field Day | 28.01.2019 | Gangadharpur, Chanditala 1 | 28 |
|  | Field visit | 26.12.2018 | Gangadharpur, Chanditala 1 |  |
|  | 18.01.2019 | Chota Choughara,Chanditala-1 |  |
|  | 23.01.2019 | Ruprajpur, Dhaniakhali |  |
|  | 02.03.2019 | Gangadharpur, Chanditala 1 |  |
|  | 13.03.2019 | Balidanga, Dhaniakhali |  |

**G. Sequential good quality photographs (as per crop stages i.e. growth & development)**

**H. Farmers' training photographs**

**Distribution of critical inputs:**

**I. Quality Photographs of field visits/field days and technology demonstrated.**

**J. Details of budget utilization**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Crop**  **(provide crop wise information )** | **Items** | **Budget Received (Rs.)** | **Budget Utilization (Rs.)** | **Balance (Rs.)** |
| Mustard | i) Critical input | 1,62,000.00 | 1,61,423.00 | 577.00 |
| ii) TA/DA/POL etc. for monitoring | 18,000.00 | 18,000.00 | 0.00 |
| iii) Extension Activities (Field day) |
| iv)Publication of literature |
|  | **Total** | **1,80,000.00** | **1,79,423.00** | **577.00** |

* 1. **Achievements on Training (Including the sponsored and FLD training programmes):**

1. **Farmers and farm women (on campus)**

| **Thematic Area** | **No. of Courses** | **No. of Participants** | | | | | | | | | | **Grand Total** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Other** | | | **SC** | | | | **ST** | | |
| **M** | **F** | **T** | **M** | **F** | | **T** | **M** | **F** | **T** | **M** | **F** | **T** |
| **I. Crop Production** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Weed Management | 2 | 34 | 0 | 34 | 11 | 0 | | 11 | 0 | 0 | 0 | 45 | 0 | 45 |
| Resource Conservation Technologies | 1 | 32 | 0 | 32 | 2 | 0 | | 2 | 2 | 0 | 2 | 36 | 0 | 36 |
| Cropping Systems | 1 | 32 | 0 | 32 | 2 | 0 | | 2 | 2 | 0 | 2 | 36 | 0 | 36 |
| Crop Diversification | 2 | 37 | 4 | 41 | 6 | 0 | | 6 | 0 | 0 | 0 | 43 | 4 | 47 |
| Integrated Farming | 2 | 45 | 5 | 50 | 12 | 0 | | 12 | 0 | 0 | 0 | 57 | 5 | 62 |
| Water management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Seed production | 11 | 240 | 27 | 270 | 51 | 2 | | 53 | 13 | 1 | 14 | 304 | 30 | 334 |
| Nursery management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Crop Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Fodder production |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, (cultivation of crops ) | 14 | 305 | 0 | 305 | 81 | 5 | | 86 | 11 | 0 | 11 | 397 | 5 | 402 |
| **II. Horticulture** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated nutrient management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Water management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Enterprise development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Skill development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Yield increment |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of low volume and high value crops |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Off-season vegetables |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery raising | 1 | 0 | 1 | 1 | 17 | 6 | | 23 | 1 | 0 | 1 | 18 | 7 | 25 |
| Export potential vegetables |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Grading and standardization |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Protective cultivation (Green Houses, Shade Net etc.) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any (Cultivation of Vegetable) | 14 | 94 | 24 | 118 | 38 | 9 | | 47 | 3 | 19 | 22 | 135 | 52 | 187 |
| Training and Pruning |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **b) Fruits** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Layout and Management of Orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Cultivation of Fruit |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of young plants/orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Plant propagation techniques | 1 | 0 | 0 | 0 | 0 | 0 | | 0 | 22 | 3 | 25 | 22 | 3 | 25 |
| Others, if any(INM) | 4 | 82 | 26 | 108 | 7 | 4 | | 11 | 1 | 0 | 1 | 90 | 30 | 120 |
| **c) Ornamental Plants** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **e) Tuber crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology | 1 | 17 | 0 | 17 | 8 | 0 | | 8 | 5 | 0 | 5 | 30 | 0 | 30 |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **f) Spices** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **III. Soil Health and Fertility Management** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil fertility management | 1 | 16 | 12 | 28 | 4 | 10 | | 14 | 0 | 1 | 1 | 20 | 23 | 43 |
| Soil and Water Conservation |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Nutrient Management | 2 | 0 | 0 | 0 | 0 | 0 | | 0 | 40 | 3 | 43 | 20 | 23 | 43 |
| Production and use of organic inputs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of Problematic soils |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nutrient Use Efficiency |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil and Water Testing |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **IV. Livestock Production and Management** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Poultry Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Piggery Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rabbit Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Disease Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Feed management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any Goat farming |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **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 |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Enterprise development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Income generation activities for empowerment of rural Women |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Location specific drudgery reduction technologies |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Capacity building |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Women and child care |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **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 |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **VII. Plant Protection** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Pest Management | 5 | 148 | 0 | 148 | 24 | 0 | | 24 | 2 | 0 | 2 | 174 | 0 | 174 |
| Integrated Disease Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Bio-control of pests and diseases |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any | 5 | 108 | 3 | 111 | 20 | | 0 | 20 | 10 | 0 | 10 | 138 | 3 | 141 |
| **VIII. Fisheries** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated fish farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Composite fish culture & fish disease |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **IX. Production of Inputs at site** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Seed Production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-fertilizer production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Vermi-compost production | 1 | 17 | 1 | 18 | 2 | | 0 | 2 | 0 | 0 | 0 | 19 | 1 | 20 |
| 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 |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any | 7 | 61 | 6 | 67 | 48 | | 12 | 60 | 25 | 23 | 48 | 134 | 41 | 175 |
| **X. Capacity Building and Group Dynamics** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| WTO and IPR issues |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any | 1 | 36 | 0 | 36 | 10 | | 0 | 10 | 4 | 0 | 4 | 50 | 0 | 50 |
| XI Agro-forestry |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **XII. Others (Pl. Specify)** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **TOTAL** | **76** | **1304** | **109** | **1416** | **343** | | **48** | **391** | **141** | **50** | **191** | **1768** | **227** | **1995** |

**B) Rural Youth (on campus)**

| **Thematic Area** | **No. of Courses** | **No. of Participants** | | | | | | | | | | **Grand Total** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Other** | | | **SC** | | | | **ST** | | |
| **M** | **F** | **T** | **M** | **F** | | **T** | **M** | **F** | **T** | **M** | **F** | **T** |
| Mushroom Production | 10 | 42 | 67 | 109 | 6 | | 23 | 29 | 0 | 11 | 11 | 48 | 101 | 149 |
| Bee-keeping |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Vermi-culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Sericulture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Protected cultivation of vegetable crops |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Commercial fruit production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Nursery Management of Horticulture crops |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Training and pruning of orchards |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Dairying |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Sheep and goat rearing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Quail farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Piggery |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Rabbit farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Poultry production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Ornamental fisheries |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Enterprise development |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 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** | **10** | **42** | **67** | **109** | **6** | | **23** | **29** | **0** | **11** | **11** | **48** | **101** | **149** |

**C) Extension Personnel (on campus)**

| **Thematic Area** | **No. of Courses** | **No. of Participants** | | | | | | | | | | **Grand Total** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Other** | | | **SC** | | | | **ST** | | |
| **M** | **F** | **T** | **M** | **F** | | **T** | **M** | **F** | **T** | **M** | **F** | **T** |
| Productivity enhancement in field crops |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Women and Child care |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Low cost and nutrient efficient diet designing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  | |  |  |  |  |  |  |  |  |

**D) Farmers and farm women (off campus)**

| **Thematic Area** | **No. of Courses** | **No. of Participants** | | | | | | | | | **Grand Total** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Other** | | | **SC** | | | **ST** | | |
| **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** |
| **I. Crop Production** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Weed Management | 2 | 51 | 0 | 51 | 11 | 0 | 11 | 3 | 0 | 3 | 65 | 0 | 65 |
| Resource Conservation Technologies |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cropping Systems | 1 | 9 | 0 | 9 | 11 | 0 | 11 | 0 | 0 | 0 | 20 | 0 | 20 |
| Crop Diversification | 1 | 17 | 0 | 17 | 13 | 0 | 13 | 0 | 0 | 0 | 30 | 0 | 30 |
| Integrated Farming |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Water management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Seed production | 14 | 302 | 1 | 303 | 133 | 0 | 133 | 11 | 0 | 11 | 446 | 1 | 447 |
| Nursery management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fodder production |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, (cultivation of crops ) | 15 | 338 | 3 | 341 | 70 | 3 | 73 | 6 | 5 | 11 | 424 | 11 | 435 |
| **II. Horticulture** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated nutrient management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Water management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Enterprise development | 1 | 7 | 9 | 16 | 0 | 5 | 5 | 8 | 1 | 9 | 15 | 15 | 30 |
| Skill development |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Yield increment |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production of low volume and high value crops |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Off-season vegetables |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nursery raising | 1 | 8 | 7 | 15 | 5 | 1 | 6 | 0 | 0 | 0 | 13 | 8 | 21 |
| Export potential vegetables |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Grading and standardization |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Protective cultivation (Green Houses, Shade Net etc.) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any (Cultivation of Vegetable) | 3 | 30 | 12 | 42 | 0 | 26 | 26 | 0 | 11 | 11 | 30 | 49 | 79 |
| Training and Pruning |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **b) Fruits** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Layout and Management of Orchards |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cultivation of Fruit |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Management of young plants/orchards |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Plant propagation techniques |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any(INM) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **c) Ornamental Plants** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **e) Tuber crops** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **f) Spices** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production and management technology |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **III. Soil Health and Fertility Management** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Soil fertility management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Soil and Water Conservation |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management | 1 | 19 | 6 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 6 | 25 |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Management of Problematic soils |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nutrient Use Efficiency |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Soil and Water Testing |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **IV. Livestock Production and Management** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Poultry Management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Piggery Management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rabbit Management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Disease Management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Feed management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any Goat farming |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **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 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Enterprise development |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Income generation activities for empowerment of rural Women |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Location specific drudgery reduction technologies |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Capacity building |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Women and child care |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **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 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **VII. Plant Protection** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 4 | 74 | 16 | 90 | 14 | 6 | 20 | 5 | 0 | 5 | 93 | 22 | 115 |
| Integrated Disease Management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bio-control of pests and diseases |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any | 1 | 0 | 0 | 0 | 0 | 28 | 28 | 0 | 0 | 0 | 0 | 28 | 28 |
| **VIII. Fisheries** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated fish farming |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery manag1ement |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Composite fish culture & fish disease |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **IX. Production of Inputs at site** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Seed Production |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bio-fertilizer production | 1 | 19 | 0 | 19 | 5 | 0 | 5 | 0 | 0 | 0 | 24 | 0 | 24 |
| Vermi-compost production | 4 | 23 | 24 | 47 | 7 | 42 | 49 | 0 | 12 | 12 | 30 | 78 | 108 |
| 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **X. Capacity Building and Group Dynamics** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WTO and IPR issues |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  |  |  |  |  |  |  |  |
| XI Agro-forestry |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **XII. Others (Pl. Specify)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **49** | **897** | **78** | **975** | **269** | **111** | **380** | **33** | **29** | **62** | **1209** | **218** | **1427** |

**E) RURAL YOUTH (Off Campus)**

| **Thematic Area** | **No. of Courses** | **No. of Participants** | | | | | | | | | | **Grand Total** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Other** | | | **SC** | | | | **ST** | | |
| **M** | **F** | **T** | **M** | **F** | | **T** | **M** | **F** | **T** | **M** | **F** | **T** |
| Mushroom Production | 2 | 13 | 40 | 53 | 3 | | 13 | 16 | 0 | 3 | 3 | 16 | 56 | 72 |
| 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 | 14 | 0 | 14 | 2 | | 0 | 2 | 0 | 0 | 0 | 16 | 0 | 16 |
| Training and pruning of orchards |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Dairying |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Sheep and goat rearing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Quail farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Piggery |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Rabbit farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Poultry production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Ornamental fisheries |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Para vets |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Para extension workers |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Freshwater prawn culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Cold water fisheries |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish harvest and processing technology |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fry and fingerling rearing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Small scale processing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Tailoring and Stitching |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **TOTAL** | **3** | **27** | **40** | **67** | **5** | | **13** | **18** | **0** | **3** | **3** | **32** | **56** | **88** |

**F) Extension Personnel (Off Campus)**

| **Thematic Area** | **No. of Courses** | **No. of Participants** | | | | | | | | | **Grand Total** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Other** | | | **SC** | | | **ST** | | |
| **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** |
| 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Women and Child care |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Low cost and nutrient efficient diet designing |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Crop intensification |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

**i. Farmers & Farm Women**

| **Thematic Area** | **No. of Courses** | **No. of Participants** | | | | | | | | | | **Grand Total** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Other** | | | **SC** | | | | **ST** | | |
| **M** | **F** | **T** | **M** | **F** | | **T** | **M** | **F** | **T** | **M** | **F** | **T** |
| **I. Crop Production** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Weed Management | 4 | 85 | 0 | 85 | 22 | 0 | | 22 | 3 | 0 | 3 | 110 | 0 | 110 |
| Resource Conservation Technologies | 1 | 32 | 0 | 32 | 2 | 0 | | 2 | 2 | 0 | 2 | 36 | 0 | 36 |
| Cropping Systems | 2 | 41 | 0 | 41 | 13 | 0 | | 13 | 2 | 0 | 2 | 56 | 0 | 56 |
| Crop Diversification | 3 | 54 | 4 | 58 | 19 | 0 | | 19 | 0 | 0 | 0 | 73 | 4 | 77 |
| Integrated Farming | 2 | 45 | 5 | 50 | 12 | 0 | | 12 | 0 | 0 | 0 | 57 | 5 | 62 |
| Water management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Seed production | 25 | 542 | 28 | 573 | 184 | 2 | | 186 | 24 | 1 | 25 | 750 | 31 | 781 |
| Nursery management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Crop Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Fodder production |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, (cultivation of crops ) | 29 | 643 | 3 | 646 | 151 | 8 | | 159 | 17 | 5 | 22 | 821 | 16 | 837 |
| TOTAL | **66** | **1442** | **40** | **1485** | **403** | **10** | | **413** | **48** | **6** | **54** | **1903** | **56** | **1959** |
| **II. Horticulture** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated nutrient management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Water management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Enterprise development | 1 | 7 | 9 | 16 | 0 | 5 | | 5 | 8 | 1 | 9 | 15 | 15 | 30 |
| Skill development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Yield increment |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of low volume and high value crops |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Off-season vegetables |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery raising | 2 | 8 | 8 | 16 | 22 | 7 | | 29 | 1 | 0 | 1 | 31 | 15 | 46 |
| Exotic vegetables like Broccoli |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential vegetables |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Grading and standardization |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Protective cultivation (Green Houses, Shade Net etc.) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any (Cultivation of Vegetable) | 17 | 124 | 36 | 160 | 38 | 35 | | 73 | 3 | 30 | 33 | 165 | 101 | 266 |
| TOTAL | **20** | **139** | **53** | **192** | **60** | **47** | | **107** | **12** | **31** | **43** | **211** | **131** | **342** |
| **b) Fruits** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Training and Pruning |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Layout and Management of Orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Cultivation of Fruit |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of young plants/orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Plant propagation techniques | 1 | 0 | 0 | 0 | 0 | 0 | | 0 | 22 | 3 | 25 | 22 | 3 | 25 |
| Others, if any(INM) | 4 | 82 | 26 | 108 | 7 | 4 | | 11 | 1 | 0 | 1 | 90 | 30 | 120 |
| TOTAL | **5** | **82** | **26** | **108** | **7** | **4** | | **11** | **23** | **3** | **26** | **112** | **33** | **145** |
| **c) Ornamental Plants** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **e) Tuber crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology | 1 | 17 | 0 | 17 | 8 | 0 | | 8 | 5 | 0 | 5 | 30 | 0 | 30 |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL | **1** | **17** | **0** | **17** | **8** | **0** | | **8** | **5** | **0** | **5** | **30** | **0** | **30** |
| **f) Spices** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **III. Soil Health and Fertility Management** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil fertility management | 1 | 16 | 12 | 28 | 4 | 10 | | 14 | 0 | 1 | 1 | 20 | 23 | 43 |
| Soil and Water Conservation |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Nutrient Management | 3 | 19 | 6 | 25 | 0 | 0 | | 0 | 40 | 3 | 43 | 39 | 29 | 68 |
| Production and use of organic inputs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of Problematic soils |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nutrient Use Efficiency |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil and Water Testing |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL | **4** | **35** | **18** | **53** | **4** | **10** | | **14** | **40** | **4** | **44** | **59** | **52** | **111** |
| **IV. Livestock Production and Management** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Poultry Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Piggery Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rabbit Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Disease Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Feed management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any (Goat farming) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **V. Home Science/Women empowerment** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Design and development of low/minimum cost diet |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Designing and development for high nutrient efficiency diet |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Minimization of nutrient loss in processing |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Storage loss minimization techniques |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Enterprise development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Income generation activities for empowerment of rural Women |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Location specific drudgery reduction technologies |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Capacity building |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Women and child care |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **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 |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **VII. Plant Protection** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Pest Management | 9 | 222 | 16 | 238 | 38 | 6 | | 44 | 7 | 0 | 7 | 267 | 22 | 289 |
| Integrated Disease Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Bio-control of pests and diseases |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any | 6 | 108 | 3 | 111 | 20 | | 28 | 48 | 10 | 0 | 10 | 138 | 31 | 169 |
| TOTAL | **15** | **330** | **19** | **349** | **58** | | **34** | **92** | **17** | **0** | **17** | **405** | **53** | **458** |
| **VIII. Fisheries** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated fish farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Composite fish culture & fish disease |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **IX. Production of Inputs at site** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Seed Production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-fertilizer production | 1 | 19 | 0 | 19 | 5 | | 0 | 5 | 0 | 0 | 0 | 24 | 0 | 24 |
| Vermi-compost production | 5 | 40 | 25 | 65 | 9 | | 42 | 51 | 0 | 12 | 12 | 49 | 79 | 128 |
| 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 |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any | 7 | 61 | 6 | 67 | 48 | | 12 | 60 | 25 | 23 | 48 | 134 | 41 | 175 |
| TOTAL | **13** | **120** | **31** | **151** | **62** | | **54** | **116** | **25** | **35** | **60** | **207** | **120** | **327** |
| **X. Capacity Building and Group Dynamics** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| WTO and IPR issues |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any | 1 | 36 | 0 | 36 | 10 | | 0 | 10 | 4 | 0 | 4 | 50 | 0 | 50 |
| TOTAL | **1** | **36** | **0** | **36** | **10** | | **0** | **10** | **4** | **0** | **4** | **50** | **0** | **50** |
| **XI Agro-forestry** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **XII. Others (Pl. specify)** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **TOTAL** | **125** | **2201** | **187** | **2391** | **612** | | **159** | **771** | **174** | **79** | **253** | **2977** | **445** | **3422** |

**ii. RURAL YOUTH (On and Off Campus)**

| **Thematic Area** | **No. of Courses** | **No. of Participants** | | | | | | | | | **Grand Total** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Other** | | | **SC** | | | **ST** | | |
| **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | | **T** |
| Mushroom Production | 12 | 55 | 107 | 162 | 9 | 36 | 45 | 0 | 14 | 14 | 64 | | 157 | 221 |
| Bee-keeping |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Integrated farming |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| 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 | 14 | 0 | 14 | 2 | 0 | 2 | 0 | 0 | 0 | 16 | | 0 | 16 |
| Training and pruning of orchards |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Value addition |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Dairying |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Sheep and goat rearing |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Quail farming |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Piggery |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Rabbit farming |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Poultry production |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Ornamental fisheries |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Para vets |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Para extension workers |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Composite fish culture |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Freshwater prawn culture |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Cold water fisheries |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Fish harvest and processing technology |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Small scale processing |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Tailoring and Stitching |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Enterprise development |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Others if any (ICT application in agriculture) |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| **TOTAL** | **13** | **69** | **107** | **176** | **11** | **36** | **47** | **0** | **14** | **14** | **80** | | **157** | **237** |

**iii. Extension Personnel (On and Off Campus)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic Area** | **No. of Courses** | **No. of Participants** | | | | | | | | | **Grand Total** | | | |
| **Other** | | | **SC** | | | **ST** | | |
| **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | | **T** |
| Productivity enhancement in field crops |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Integrated Pest Management |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Integrated Nutrient management |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Value addition |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| 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 |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Women and Child care |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Low cost and nutrient efficient diet designing |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Crop intensification |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Others if any |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| **TOTAL** |  |  |  |  |  |  |  |  |  |  |  | |  |  |

## Please furnish the details of training programmes as Annexure in the proforma given below

| **Discipline** | **Clientele** | | **Title of the training programme** | **Duration in days** | **Venue (Off / On Campus)** | **Number of participants** | | | **Number of SC/ST** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| Plant Protection | Farmers and Farm Women | Plant Protection of Summer pulse and oilseed crops | | 1 | ON | 10 | 3 | 13 | 3 | 0 | 3 |
| Plant Protection | Farmers and Farm Women | Plant Protection of Summer pulse and oilseed crops | | 1 | ON | 40 | 0 | 40 | 8 | 0 | 8 |
| Crop Production | Farmers and Farm Women | Different Schemes and best Management practices | | 1 | ON | 13 | 0 | 13 | 3 | 0 | 3 |
| Crop Production | Farmers and Farm Women | Package of practices summer pulse & Oilseed | | 1 | ON | 40 | 0 | 40 | 8 | 0 | 8 |
| Crop Production | Farmers and Farm Women | Improve cultivation technique of jute | | 1 | ON | 35 | 0 | 35 | 10 | 0 | 10 |
| Horticulture | Farmers and Farm Women | Horticulture technology | | 2 | ON | 30 | 0 | 30 | 15 | 0 | 15 |
| Horticulture | Farmers and Farm Women | Horticulture technology | | 2 | ON | 31 | 0 | 31 | 12 | 0 | 12 |
| Horticulture | Farmers and Farm Women | Horticulture technology | | 2 | ON | 16 | 0 | 16 | 6 | 0 | 6 |
| Horticulture | Farmers and Farm Women | Horticulture technology | | 2 | ON | 24 | 0 | 24 | 3 | 0 | 3 |
| Horticulture | Farmers and Farm Women | Horticulture technology | | 2 | ON | 24 | 0 | 24 | 0 | 0 | 0 |
| Mushroom production | Farmers and Farm Women | Mushroom production technology | | 1 | ON | 1 | 20 | 21 | 1 | 9 | 10 |
| Plant Protection | Farmers and Farm Women | Pest and disease management of groundnut | | 1 | ON | 14 | 0 | 14 | 0 | 0 | 0 |
| Plant Protection | Farmers and Farm Women | Integrated pest management on paddy | | 1 | ON | 29 | 0 | 29 | 5 | 0 | 5 |
| Mushroom production | Farmers and Farm Women | Mushroom production technology | | 4 | ON | 11 | 3 | 14 | 3 | 3 | 6 |
| Crop Production | Farmers and Farm Women | Quality seed production of paddy | | 1 | ON | 24 | 0 | 24 | 6 | 0 | 6 |
| Crop Production | Farmers and Farm Women | Amon paddy cultivation | | 1 | ON | 24 | 0 | 24 | 7 | 0 | 7 |
| Crop Production | Farmers and Farm Women | Incorporation of black gram( Pulse) in cropping system | | 1 | ON | 36 | 0 | 36 | 4 | 0 | 4 |
| Crop Production | Farmers and Farm Women | Resource conservation technology | | 1 | ON | 36 | 0 | 36 | 4 | 0 | 4 |
| Crop Production | Farmers and Farm Women | Seed production & seed storage technology of paddy | | 1 | ON | 36 | 0 | 36 | 4 | 0 | 4 |
| Crop Production | Farmers and Farm Women | Seed production technology of paddy | | 1 | ON |  |  |  | 0 | 0 | 0 |
| Crop Production | Farmers and Farm Women | Seed production technology of paddy | | 1 | ON | 25 | 0 | 25 | 11 | 0 | 11 |
| Mushroom production | Farmers and Farm Women | Mushroom production technology | | 1 | ON | 23 | 0 | 23 | 15 | 0 | 15 |
| Plant Protection | Farmers and Farm Women | Integrated pest management of paddy | | 1 | ON | 0 | 25 | 25 | 0 | 7 | 7 |
| Horticulture | Farmers and Farm Women | Production technology of major fruit crops | | 1 | ON | 22 | 0 | 22 | 6 | 0 | 6 |
| Crop Production | Farmers and Farm Women | Seed production & storage technology of paddy | | 1 | ON | 30 | 0 | 30 | 3 | 0 | 3 |
| Production of Inputs at site | Farmers and Farm Women | Enriched compost preparation | | 1 | ON | 25 | 5 | 30 | 5 | 0 | 5 |
| Production of Inputs at site | Farmers and Farm Women | Green manuring | | 1 | ON | 26 | 0 | 26 | 0 | 0 | 0 |
| Production of Inputs at site | Farmers and Farm Women | Enriched compost preparation | | 1 | ON | 22 | 0 | 22 | 11 | 0 | 11 |
| Crop Production | Farmers and Farm Women | Integrated Farming System | | 1 | ON | 27 | 0 | 27 | 15 | 0 | 15 |
| Production of Inputs at site | Farmers and Farm Women | Production of enriched compost | | 1 | ON | 38 | 0 | 38 | 10 | 0 | 10 |
| Crop Production | Farmers and Farm Women | Integrated farming system | | 1 | ON | 27 | 6 | 33 | 2 | 0 | 2 |
| Crop Production | Farmers and Farm Women | Alternate cropping | | 1 | ON | 19 | 5 | 24 | 2 | 0 | 2 |
| Crop Production | Farmers and Farm Women | Groundnut production | | 1 | ON | 28 | 0 | 28 | 6 | 0 | 6 |
| Plant Protection | Farmers and Farm Women | Integrated pest management on paddy | | 1 | ON | 34 | 0 | 34 | 2 | 0 | 2 |
| Mushroom production | Farmers and Farm Women | Mushroom production technology | | 1 | ON |  |  |  | 0 | 0 | 0 |
| Horticulture | Farmers and Farm Women | Banana production technology | | 1 | ON | 38 | 0 | 38 | 5 | 0 | 5 |
| Crop Production | Farmers and Farm Women | Seed production technology of paddy | | 1 | ON | 0 | 20 | 20 | 0 | 8 | 8 |
| Crop Production | Farmers and Farm Women | Seed production technology of onion | | 1 | ON | 22 | 8 | 30 | 2 | 2 | 4 |
| Crop Production | Farmers and Farm Women | Seed drying & seed storage | | 1 | ON | 51 | 0 | 51 | 5 | 0 | 5 |
| Mushroom production | Farmers and Farm Women | Mushroom production technology | | 1 | ON | 21 | 0 | 21 | 4 | 0 | 4 |
| Mushroom production | Farmers and Farm Women | Mushroom production technology | | 1 | ON | 3 | 23 | 26 | 0 | 2 | 2 |
| Crop Production | Farmers and Farm Women | Potato Cultivation | | 1 | ON | 10 | 7 | 17 | 2 | 5 | 7 |
| Crop Production | Farmers and Farm Women | Lentil Cultivation | | 1 | ON | 0 | 26 | 26 | 0 | 2 | 2 |
| Crop Production | Farmers and Farm Women | Mustard Cultivation | | 1 | ON | 42 | 0 | 42 | 5 | 0 | 5 |
| Plant Protection | Farmers and Farm Women | Disease pest management of mustard | | 1 | ON | 42 | 0 | 42 | 5 | 0 | 5 |
| Production of Inputs at site | Farmers and Farm Women | Enriched compost preparation | | 1 | ON | 22 | 0 | 22 | 2 | 0 | 2 |
| Vermicompost | Farmers and Farm Women | Vermicompost production | | 1 | ON | 24 | 0 | 24 | 7 | 0 | 7 |
| Horticulture | Farmers and Farm Women | Nursery raising of fruit crops1 | | 1 | ON | 3 | 18 | 21 | 1 | 18 | 19 |
| Horticulture | Farmers and Farm Women | Horticulture technology | | 2 | ON | 25 | 0 | 25 | 14 | 0 | 14 |
| Production of Inputs at site | Farmers and Farm Women | Enriched compost preparation | | 1 | ON | 4 | 22 | 26 | 0 | 2 | 2 |
| Vermicompost | Farmers and Farm Women | Vermicompost production | | 1 | ON | 6 | 21 | 27 | 2 | 19 | 21 |
| Crop Production | Farmers and Farm Women | Rabi oil seed cultivation | | 1 | ON | 17 | 5 | 22 | 17 | 5 | 22 |
| Soil Health and fertility management | Farmers and Farm Women | Nutrient Management | | 1 | ON | 13 | 12 | 25 | 13 | 12 | 25 |
| Production of Inputs at site | Farmers and Farm Women | vermicompost production | | 1 | ON | 18 | 5 | 23 | 18 | 5 | 23 |
| Crop Production | Farmers and Farm Women | Mustard Cultivation and Integrated Pest Management | | 1 | ON | 0 | 23 | 23 | 20 | 3 | 23 |
| Crop Production | Farmers and Farm Women | Lentil Cultivation and Integrated Pest Management | | 1 | ON | 27 | 0 | 27 | 20 | 0 | 20 |
| Crop Production | Farmers and Farm Women | Green gram cultivation | | 1 | ON | 22 | 3 | 25 | 22 | 3 | 25 |
| Crop Production | Farmers and Farm Women | Integrated weed management | | 2 | ON | 18 | 7 | 25 | 18 | 6 | 24 |
| Plant Protection | Farmers and Farm Women | Integrated Pest Management on potato | | 1 | ON | 26 | 2 | 28 | 3 | 1 | 4 |
| Crop Production | Farmers and Farm Women | Seed Production Technology of Groundnut | | 1 | ON | 34 | 0 | 34 | 3 | 0 | 3 |
| Crop Production | Farmers and Farm Women | Summer pulse and oil seed | | 1 | ON | 4 | 31 | 35 | 3 | 9 | 12 |
| Crop Production | Farmers and Farm Women | Crop Diversification | | 1 | ON | 40 | 0 | 40 | 9 | 0 | 9 |
| Crop Production | Farmers and Farm Women | Integrated weed management | | 1 | ON | 20 | 23 | 43 | 4 | 11 | 15 |
| Horticulture | Farmers and Farm Women | Production technology of tuber crops | | 1 | ON | 20 | 0 | 20 | 20 | 0 | 20 |
| Plant Protection | Farmers and Farm Women | Plant protection measure of sesame | |  | ON | 19 | 1 | 20 | 2 | 0 | 2 |
| Crop Production | Farmers and Farm Women | Farmer Scientist Interaction Programme | | 1 | ON | 20 | 0 | 20 | 3 | 0 | 3 |
| Crop Production | Farmers and Farm Women | Seed production technology of sesame | | 1 | ON | 26 | 0 | 26 | 3 | 0 | 3 |
| Crop Production | Farmers and Farm Women | Jute cultivation | | 1 | OFF | 32 | 0 | 32 | 9 | 0 | 9 |
| Plant Protection | Farmers and Farm Women | Integrated pest management on jute | | 1 | OFF | 31 | 0 | 31 | 7 | 0 | 7 |
| Plant Protection | Farmers and Farm Women | Integrated pest management on sesame | | 1 | OFF | 20 | 0 | 20 | 6 | 0 | 6 |
| Horticulture | Farmers and Farm Women | Seed storage technology of onion | | 1 | OFF | 16 | 0 | 16 | 4 | 0 | 4 |
| Horticulture | Farmers and Farm Women | Seed storage technology of onion | | 1 | OFF | 34 | 0 | 34 | 11 | 0 | 11 |
| Crop Production | Farmers and Farm Women | Crop diversification | | 1 | OFF | 30 | 0 | 30 | 13 | 0 | 13 |
| Crop Production | Farmers and Farm Women | Oil seed production technology | | 1 | OFF | 30 | 0 | 30 | 2 | 0 | 2 |
| Crop Production | Farmers and Farm Women | Jute harvesting and retting | | 1 | OFF | 17 | 0 | 17 | 2 | 0 | 2 |
| Crop Production | Farmers and Farm Women | Importance of pulse crop in cropping system | | 1 | OFF | 20 | 0 | 20 | 11 | 0 | 11 |
| Crop Production | Farmers and Farm Women | Seed production technology of paddy | | 1 | OFF | 23 | 0 | 23 | 11 | 0 | 11 |
| Crop Production | Farmers and Farm Women | Seed sorting of paddy | | 1 | OFF | 20 | 0 | 20 | 11 | 0 | 11 |
| Horticulture | Farmers and Farm Women | Seed storage technology of onion | | 1 | OFF | 14 | 0 | 14 | 7 | 0 | 7 |
| Vermi compost production | Farmers and Farm Women | Vermi compost production | | 1 | OFF | 0 | 31 | 31 | 0 | 13 | 13 |
| Production of Input at sites | Farmers and Farm Women | Bio-fertilizer & organic farming | | 1 | OFF | 24 | 0 | 24 | 5 | 0 | 5 |
| Vermi compost production | Farmers and Farm Women | Vermicomposting | | 1 | OFF | 0 | 32 | 32 | 0 | 26 | 26 |
| Horticulture | Farmers and Farm Women | Seed storage technology of cucurbitacious vegetable | | 1 | OFF | 29 | 0 | 29 | 11 | 0 | 11 |
| Mushroom production | Farmers and Farm Women | Mushroom production technology | | 1 | OFF | 0 | 30 | 30 | 0 | 13 | 13 |
| Horticulture | Farmers and Farm Women | Enterprenarship development through Hitech Horticulture | | 1 | OFF | 15 | 15 | 30 | 8 | 6 | 14 |
| Plant protection | Farmers and Farm Women | Integrated pest management on paddy | | 1 | OFF | 20 | 0 | 20 | 4 | 0 | 4 |
| Crop Production | Farmers and Farm Women | Seed production & storage technology of paddy | | 1 | OFF | 50 | 0 | 50 | 21 | 0 | 21 |
| Horticulture | Farmers and Farm Women | Protected cultivation of rose & gerbera | | 1 | OFF | 0 | 28 | 28 | 0 | 28 | 28 |
| Horticulture | Farmers and Farm Women | Vegetable nursury | | 1 | OFF | 16 | 0 | 16 | 2 | 0 | 2 |
| Horticulture | Farmers and Farm Women | Vegetable nursury & capsicum cultivation | | 1 | OFF | 13 | 8 | 21 | 5 | 1 | 6 |
| Horticulture | Farmers and Farm Women | Nutritional garden of Horticulture | | 1 | OFF | 0 | 24 | 24 | 0 | 14 | 14 |
| Horticulture | Farmers and Farm Women | Flower cultivation for better remuneration | | 1 | OFF | 0 | 25 | 25 | 0 | 23 | 23 |
| Vermicompost | Farmers and Farm Women | Vermicompost preparation | | 1 | OFF | 0 | 15 | 15 | 0 | 15 | 15 |
| Crop Production | Farmers and Farm Women | SRI method of paddy cultivation | | 1 | OFF | 19 | 0 | 19 | 8 | 0 | 8 |
| Crop Production | Farmers and Farm Women | Pulse production technology | | 1 | OFF | 50 | 0 | 50 | 8 | 0 | 8 |
| Crop Production | Farmers and Farm Women | Potato cultivation | | 1 | OFF | 18 | 10 | 28 | 2 | 7 | 9 |
| Crop Production | Farmers and Farm Women | Groundnut cultivation | | 1 | OFF | 26 | 0 | 26 | 0 | 0 | 0 |
| Crop Production | Farmers and Farm Women | Integrated weed management | | 1 | OFF | 35 | 0 | 35 | 7 | 0 | 7 |
| Mushroom production | Farmers and Farm Women | Mushroom production technology | | 1 | OFF | 16 | 26 | 42 | 3 | 3 | 6 |
| Horticulture | Farmers and Farm Women | Onion production technology | | 1 | OFF | 30 | 0 | 30 | 0 | 0 | 0 |
| Horticulture | Farmers and Farm Women | Seed production & storage technology of onion | | 1 | OFF | 44 | 0 | 44 | 4 | 0 | 4 |
| Crop Production | Farmers and Farm Women | Seed production technology of groundnut | | 1 | OFF | 31 | 0 | 31 | 13 | 0 | 13 |
| Crop Production | Farmers and Farm Women | Seed production technology of potato | | 1 | OFF | 40 | 1 | 41 | 0 | 0 | 0 |
| Crop Production | Farmers and Farm Women | Seed production technology of potato | | 1 | OFF | 23 | 0 | 23 | 13 | 0 | 13 |
| Crop Production | Farmers and Farm Women | Crop production of Black gram | | 1 | OFF | 34 | 0 | 34 | 14 | 0 | 14 |
| Crop Production | Farmers and Farm Women | Integrated weed management | | 1 | OFF | 30 | 0 | 30 | 7 | 0 | 7 |
| Crop Production | Farmers and Farm Women | Potato cultivation | | 1 | OFF | 41 | 0 | 41 | 0 | 0 | 0 |
| Crop Production | Farmers and Farm Women | Potato cultivation | | 1 | OFF | 26 | 0 | 26 | 3 | 0 | 3 |
| Crop Production | Farmers and Farm Women | Seed production technology of potato | | 1 | OFF | 25 | 0 | 25 | 15 | 0 | 15 |
| Crop Production | Farmers and Farm Women | Pulse and oil seed crop management | | **1** | OFF | **20** | **0** | **20** | 2 | 0 | 2 |
| Crop Production | Farmers and Farm Women | Boro paddy cultivation | | 1 | OFF | 25 | 0 | 25 | 14 | 0 | 14 |
| Crop Production | Farmers and Farm Women | Role of Fe in agriculture | | 1 | OFF | 19 | 6 | 25 | 0 | 0 | 0 |
| Vermicompost | Farmers and Farm Women | Vermicompost production | | 1 | OFF | 30 | 0 | 30 | 7 | 0 | 7 |
| Crop Production | Farmers and Farm Women | Boro paddy cultivation | | 1 | OFF | 30 | 0 | 30 | 3 | 0 | 3 |
| Crop Production | Farmers and Farm Women | Boro paddy cultivation | | 1 | OFF | 30 | 0 | 30 | 6 | 0 | 6 |
| Plant Protection | Farmers and Farm Women | Integrated Pest Management on potato | | 1 | OFF | 22 | 22 | 44 | 2 | 6 | 8 |
| Horticulture | Farmers and Farm Women | Seed production and storage technology of onion | | 1 | OFF | 48 | 0 | 48 | 23 | 0 | 23 |
| Crop Production | Farmers and Farm Women | Summer pulse cultivation | | 1 | OFF | 26 | 1 | 27 | 3 | 1 | 4 |
| Crop Production | Farmers and Farm Women | Seed production technology of groundnut | | 1 | OFF | 49 | 0 | 49 | 0 | 0 | 0 |

***H) Vocational training programmes for Rural Youth***

## Details of training programmes for Rural Youth

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop / Enterprise** | **Identified Thrust Area** | **Training title\*** | **Duration (days)** | **No. of Participants** | | | **Self employed after training** | | | **Number of persons employed else where** |
| **Male** | **Female** | **Total** | **Type of units** | **Number**  **of units** | **Number of persons employed** |
|  |  |  |  |  |  |  |  |  |  |  |

\*training title should specify the major technology /skill transferred

**I) Sponsored Training Programmes**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.No** | **Title** | **Thematic area** | **Month** | **Duration (days)** | **Client** | **No. of courses** | No. of Participants | | | | | | | | | | **Sponsoring Agency** |
|  |  | **PF/RY/EF** | Male | | | Female | | | Total | | | |
|  | **Others** | **SC** | **ST** | **Others** | **SC** | **ST** | **Others** | **SC** | **ST** | **Total** |  |
| 1. | Vermicompost and Mushroom production technology | Vermicompost  Mushroom | December | 7 | RY | 1 | 10 | 4 | 0 | 1 | 0 | 0 | 11 | 4 | 0 | 15 | SAMETI |
| 2. | Improved production technology of crops | Crop production | September | 3 | EF | 2 | 35 | 7 | 1 | 12 | 2 | 0 | 47 | 9 | 1 | 57 | ATMA |
| 3. | Farmers’ scientist Interaction | Crop Production | September | 1 | PF | 2 | 65 | 25 | 10 | 0 | 0 | 0 | 65 | 25 | 10 | 100 | ATMA |
| 4. | MIDH | Horticulture | June | 2 | PF | 6 | 180 | 20 | 5 | 50 | 10 | 8 | 230 | 30 | 13 | 273 | FPI & Horticulture |

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

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Nature of Extension Activity** | **No. of activities** | **Farmers** | | | | **Extension Officials** | | | **Total** | | |
| **M** | **F** | **T** | **SC/ ST**  **(% of total)** | **M** | **F** | **Total** | **M** | **F** | **Total** |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Field Day | 22 | 937 | 80 | 1017 | 15.85 | 2 | 0 | 2 | 939 | 80 | 1019 |
| KisanMela | 1 | 2000 | 500 | 2500 | 3.25 | 250 | 50 | 300 | 2250 | 550 | 2800 |
| KisanGhosthi | 25 | 500 | 0 | 500 | 25.00 | – | – | – | 500 | 0 | 500 |
| Exhibition | 25 | 400 | 300 | 700 | 13.00 | 10 | 5 | 15 | 410 | 305 | 715 |
| Film Show | 3 | 400 | 50 | 450 | 7.00 | 10 | 5 | 15 | 410 | 55 | 465 |
| Method Demonstrations | 20 | 550 | 100 | 650 | 10.00 | – | – | – | 550 | 100 | 650 |
| Farmers Seminar | – | – | – | – | – | – | – | – | 0 | 0 | 0 |
| Workshop | – | – | – | – | – | – | – | – | 0 | 0 | 0 |
| Group meetings | 4 | 150 | 50 | 200 | 15.00 | – | – | – | 150 | 50 | 200 |
| Lectures delivered as resource persons | 39 | 1125 | 255 | 1380 | 29.50 | 20 | 0 | 20 | 1145 | 255 | 1400 |
| Advisory Services | 347 | 21344 | 4074 | 25418 | 25.50 |  |  | 0 | 21344 | 4074 | 25418 |
| Scientific visit to farmers field | 168 | 1945 | 301 | 2246 | 15.00 | 15 | 0 | 15 | 1960 | 301 | 2261 |
| Farmers visit to KVK | 199 | 5962 | 1181 | 7143 | 12.00 | – | – | – | 5962 | 1181 | 7143 |
| Diagnostic visits | 35 | 300 | 50 | 350 | 12.00 | – | – | – | 300 | 50 | 350 |
| Exposure visits | 35 | 1810 | 665 | 2475 | 20.38 | 35 | 15 | 50 | 1845 | 680 | 2525 |
| Ex-trainees Sammelan | – | – | – | – | – | – | – | – | – | – | – |
| Soil health Camp | 1 | 50 | 0 | 50 | 10.00 | – | – | – | 50 | 0 | 50 |
| Animal Health Camp | – | – | – | – | – | – | – | – | – | – | – |
| Agri mobile clinic | – | – | – | – | – | – | – | – | – | – | – |
| Soil test campaigns | 5 | 200 | 0 | 200 | 15.00 | 2 | 0 | 2 | 202 | 0 | 202 |
| Farm Science Club Conveners meet | – | – | – | – | – | – | – | – | – | – | – |
| Self Help Group Conveners meetings | – | – | – | – | – | – | – | – | – | – | – |
| Mahila Mandals Conveners meetings | – | – | – | – | – | – | – | – | – | – | – |
| Celebration of important days (specify) | 10 | 350 | 150 | 500 | 25.00 | 15 | 2 | 17 | 365 | 152 | 517 |
| Sankalp Se Siddhi | – | – | – | – | – | – | – | – | – | – | – |
| Swatchta Hi Sewa | 19 | 450 | 231 | 681 | 20.00 | – | – | – | 450 | 231 | 681 |
| Mahila Kisan Divas | 3 | 0 | 56 | 56 | 10.00 | 0 | 1 | 1 | 0 | 57 | 57 |
| Any Other (Specify) | 15 | 1850 | 450 | 2300 | 25.00 | – | – | – | 1850 | 450 | 2300 |
| **Total** | **976** | **40323** | **8493** | **48816** | **308.48** | **359** | **78** | **437** | **40682** | **8571** | **49253** |

**B. Other Extension activities**

|  |  |
| --- | --- |
| **Nature of Extension Activity** | **No. of activities** |
|
| Newspaper coverage | 6 |
| Radio talks | 1 |
| TV talks | 2 |
| Popular articles | - |
| Extension Literature | 5 |
| Other, if any | - |

**3.5 a. Production and supply of Technological products**

***Village seed***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop | **Variety** | **Quantity of seed**  **(q)** | **Value**  **(Rs)** | **No. of farmers involved in village seed production** | **Number of farmers**  **to whom seed provided** | | | |
| **SC** | **ST** | **Other** | **Total** |
| Paddy | Prateeksha, Gotra Bidhan 1, Swarna sub 1, Shatabdi, | 597.90 | 1195800 | 51 | 8 | 4 | 39 | 51 |
| Potato | Kufri Jyoti, Kufri Chandramukhi | 1413.00 | - | 46 | - | - |  | - |
| Groundnut | JL 24 | 48.46 | 363450 | 20 | 12 | 8 | 20 | 40 |
| Lentil | Moitri | 82.25 | - | 40 | - | - | - | - |
| **Total** |  | **2141.61** |  |  |  |  |  |  |

# *KVK farm*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Crop | **Variety** | **Quantity of seed (q)** | **Value**  **(Rs)** | **Number of farmers**  **to whom seed provided** | | | |
| **SC** | **ST** | **Other** | **Total** |
| Paddy | Prateeksha (IET15191) | 13.75 | 41,250.00\* |  |  |  |  |
| Swarna (MTU7029 | 81.50 | 2,44,500.00\* | 15 | 10 | 35 | 60 |
| Kalanonia | 1.00 | 6,000.00\* |  |  |  |  |
| Gobindabhog | 1.50 | 9,000.00 | 20 | 15 | 40 | 75 |
| Onion | Sukhsagar | 0.10 | 20,000.00 | 5 | 0 | 5 | 10 |
| **Grand Total** | | **97.85** | **3,20,750.00** |  |  |  |  |

\* Yet to be sold

# Production of planting materials by the KVKs

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Crop | **Variety** | **No. of planting materials** | **Value**  **(Rs)** | **Number of farmers**  **to whom planting material provided** | | | |
| **SC** | **ST** | **Other** | **Total** |
| **Vegetable seedlings** |  |  |  |  |  |  |  |
| Broccoli | SHISHIR | 3,000 | 3,000.00 | 10 | 5 | 20 | 35 |
| Capsicum | FIZA, AYESHA | 1,000 | 750.00 | 3 | 1 | 6 | 10 |
| Tomato | ARKA SAMRAT, HIMSONA | 12,000 | 1,000.00 | 20 | 10 | 80 | 110 |
| Cherry Tomato | ROSA, SHEEJA | 200 | 200.00 | 5 | 0 | 5 | 10 |
| Chilli | BULLET | 1,000 | 500.00 | 5 | 0 | 10 | 15 |
| Onion | SUKHSAGAR | 82,000 | 4,200.00 | 5 | 0 | 5 | 10 |
| Others |  |  |  |  |  |  |  |
| **Fruits** |  |  |  |  |  |  |  |
| Mango |  |  |  |  |  |  |  |
| Guava |  |  |  |  |  |  |  |
| Lime |  |  |  |  |  |  |  |
| Papaya |  |  |  |  |  |  |  |
| Banana |  |  |  |  |  |  |  |
| Strawberry | SWEET CHARLIE, WINTER DAWN | 200 | 75,000.00 | 75 | 75 | 200 | 350 |
| Others |  |  |  |  |  |  |  |
| Ornamental plants |  |  |  |  |  |  |  |
| Medicinal and Aromatic |  |  |  |  |  |  |  |
| Plantation |  |  |  |  |  |  |  |
| Spices |  |  |  |  |  |  |  |
| Turmeric |  |  |  |  |  |  |  |
| Tuber |  |  |  |  |  |  |  |
| Elephant yams | BIDHAN KUSUM | 1,500 | 60,000.00 | 10 | 5 | 25 | 40 |
| Fodder crop saplings |  |  |  |  |  |  |  |
| Forest Species |  |  |  |  |  |  |  |
| Others, pl.specify |  |  |  |  |  |  |  |
| **Total** | | **1,00,900** | **1,44,650.00** |  |  |  | **580** |

**Production of Bio-Products**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name of product** | **Quantity** | **Value (Rs.)** | **No. of Farmers benefitted** | | | |
| **Kg** |
|  |  |  | **SC** | **ST** | **Other** | **Total** |
| Bio-fertilizers |  |  |  |  |  |  |
| Bio-pesticide |  |  |  |  |  |  |
| Bio-fungicide |  |  |  |  |  |  |
| Bio-agents |  |  |  |  |  |  |
| Others, please specify. |  |  |  |  |  |  |
| **Total** |  |  |  |  |  |  |

# Production of livestock materials

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Particulars of Live stock | **Name of the breed** | **Number** | **Value (Rs.)** | **No. of Farmers benefitted** | | | |
|  |  |  |  | **SC** | **ST** | **Other** | **Total** |
| Dairy animals |  |  |  |  | | | |
| Cows | Cross Breed Jersey | 4 | 60,000.00 |  | | | |
| Buffaloes |  |  |  |  | | | |
| Calves |  |  |  |  | | | |
| Others (Pl. specify) |  |  |  |  | | | |
| Small ruminants |  |  |  |  | | | |
| Sheep |  |  |  |  | | | |
| Goat | Black Bengal | 13 | 16,250.00 |  | | | |
| Other, please specify |  |  |  |  | | | |
| Poultry |  |  |  |  | | | |
| Broilers |  |  |  |  | | | |
| Layers |  |  |  |  | | | |
| Duals (broiler and layer) | RIR / Vanaraja | 3 | 450.00 |  | | | |
| Japanese Quail |  |  |  |  | | | |
| Turkey |  |  |  |  | | | |
| Emu |  |  |  |  | | | |
| Ducks |  |  |  |  | | | |
| Others (Pl. specify) |  |  |  |  | | | |
| Piggery |  |  |  |  | | | |
| Piglet |  |  |  |  | | | |
| Hog |  |  |  |  | | | |
| Others (Pl. specify) |  |  |  |  | | | |
| Fisheries |  |  |  |  | | | |
| Indian carp | Rohu, Catla | 40 kg | 4,000.00 |  | | | |
| Exotic carp |  |  |  |  | | | |
| Mixed carp |  |  |  |  | | | |
| Fish fingerlings |  |  |  |  | | | |
| Spawn |  |  |  |  | | | |
| Others (Pl. specify) |  |  |  |  | | | |
| **Grand** **Total** |  | **20** | **80,700.00** |  | | | |

**3.5. b. Seed Hub Programme - *“Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India”***

i) Name of Seed Hub Centre: Not Applicable

|  |  |
| --- | --- |
| Name of Nodal Officer : |  |
| Address : |  |
| e-mail : |  |
| Phone No. :  Mobile : |  |

ii) Quality Seed Production Reports

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Season** | **Crop** | **Variety** | **Production (q)** | | | |
| **Target** | **Area sown (ha)** | **Production** | **Category of Seed**  **(F/S, C/S)** |
| Kharif 2018 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Rabi 2018-19 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Summer/Spring 2019 |  |  |  |  |  |  |

iii) Financial Progress

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fund received**  **(2016-17, 2017-18 and 2018-19)** | **Expenditure (Rs. in lakhs)** | | **Unspent balance**  **(Rs. in lakhs)** | **Remarks** |
| Infrastructure | Revolving fund |
| 2016-17 |  |  |  |  |
| 2017-18 |  |  |  |  |
| 2018-19 |  |  |  |  |

iv) Infrastructure Development

|  |  |
| --- | --- |
| **Item** | **Progress** |
| Seed processing unit |  |
| Seed storage structure |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Title** | **Author’s name** | **Number** | **Circulation** |
| Research paper |  |  |  |  |
| Seminar/conference/ symposia papers | Comparative studies of late planted capsicum for growth & yield under poly house and open field condition as influenced by different growth regulators | S.H.Ansary, N Mudi, A.K. Chowdhury, N. Gayen & K. Barui | 1 |  |
| Assessment of effect of different mulch materials on weeds of Summer Tomato in farmer’s field of Hooghly district of West Bengal | K. Barui, S.H. Ansary, N.Mudi, N.Gayen and A.K.Chowdhury | 1 |  |
| Books |  |  |  |  |
| Bulletins |  |  |  |  |
| News letter |  |  |  |  |
| Popular Articles | Matir sastho rokhai kencho sar in “ Krishi Jagaran” Dec 2018 | Dr. Kironmay Barui | 1 |  |
| Borodhan Chas Paddhatir samyok dharona in “ Krishi Bidhan” March 2019 | Dr. Kironmay Barui | 1 |  |
| Book Chapter | Krishi Vigyan o somprosaran poriseva  (Agriculture technology and extension Services) | Dr. Nitai Mudi &  Dr. Kironmay Barui | 1 |  |
| Extension Pamphlets/ literature | Production technology of strawberry | Dr. S.H.Ansary | 1 | 500 |
| Matir sastho rokhai kencho sar (Vermicompost for restoring soil health) | Dr. Kironmay Barui | 1 | 500 |
| Dal Shosyer unnoto Chas paddhati (Improved cultivation package of Pulse) | Dr. Nitai Mudi &  Dr. Kironmay Barui | 1 | 500 |
| Koyekti guruttopurna Toilo bij chas paddhati (Package of Practices of some important Oilseeds) | Dr. Nitai Mudi &  Dr. Kironmay Barui | 1 | 500 |
| Mushroom chas paddoti  (Mushroom Cultivation Technology) | Dr. Nitai Mudi | 1 | 500 |
| Improved Seed Production Technology & Seed Storage of Chilli | Dr. N. Gayen | 1 | 500 |
| Technical reports | Report on FLD on Improved Rice Varieties under NFSM | Dr. N. Gayen | 1 |  |
| Report on ATMA Research | Dr. S.H.Ansary  Dr. N. Gayen | 1 |  |
| Electronic Publication (CD/DVD etc) | Production technology of Strawberry | Dr. S.H.Ansary | 1 |  |
| **TOTAL** |  |  | **12** | **3000** |

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

\* Annexed

**(B) Details of HRD programmes undergone by KVK personnel:**

| **Sl. No.** | **Name of programme** | **Name of course** | **Name of KVK personnel and designation** | **Date and Duration** | **Organized by** |
| --- | --- | --- | --- | --- | --- |
|  | Workshop | Training on “Improved Horticulture Technologies” | Dr. S.H. Ansary  SMS (Horticulture) | 4-6, April, 2018  (3 days) | IIHR (ICAR)  Bangalore |
|  | Workshop | Zonal Workshop of KVKs of Zone-IV & V | Dr. A K. Chowdhury  SMS (Agril. Extension) | 26-27 May, 2018  (2 days) | ICAR-ATARI, Kolkata |
|  | Training & Workshop | Training & Workshop on Work Plan of KVKs under ICAR-CSISA project | Dr. A K. Chowdhury  SMS (Agril. Extension) | 5-7 June, 2018  (3 days) | ICAR-ATARI, Kolkata |
|  | Write Workshop | Preparation of Study Material of DAESI Course’ | Dr. Kironmay Barui  SMS (Agronomy) | 25-28 June, 2018  4 days | SAMETI, Narendrapur |
| Dr. Nitai Mudi  SMS (Plant Protection) | 25-28 June, 2018  4 days | SAMETI, Narendrapur |
|  | Skill Training | Training of trainers | Dr. Kironmay Barui  SMS (Agronomy) | 18-20 September, 2018  3 days | ASCI |
|  | Training Programme | Training on “Doubling farmers’ income through Animal Husbandary and Fisheries Sectors” | Dr. S.H. Ansary  SMS (Horticulture) | 9-11, October, 2018  (3 days) | Director of Research, Extension and Farm, WBUAFS, Kolkata |
| Training on “Doubling farmers’ income through Animal Husbandary and Fisheries Sectors” | Dr. Nitai Mudi Sr. Scientist & Head | 9-11, October, 2018  (3 days) | Director of Research, Extension and Farm, WBUAFS, Kolkata |
| "Orientation Course on  IPM in Important Agricultural and Horticultural Crops of  West Bengal, Odisha and A & N Islands" | Dr. Nitai Mudi Sr. Scientist & Head | 13-15 December, 2018 (3 days) | ICAR-ATARI, Kolkata |
|  | National Conference | 9th National Extension Education Congress, 2018 | Dr. S.H. Ansary  SMS (Horticulture) | 15-17, November, 2018  (3 days) | SEA, Agra & CAU, Imphal |
|  | International conference | “Weeds and Society : Challenges and Opportunities” | Dr. Kironmay Barui  SMS (Agronomy) | 21-24 November,2018  4 days | Indian Society of Weed Science |
|  | Annual Workshop | Anuual Workshop of CSISA | Dr. A K. Chowdhury  SMS (Agril. Extension) | 9-10 December, 2018 (2 days) | ICAR-ATARI, Kanpur |
|  | Workshop | CSISA-KVK Diagnostic Crop Production Practice Survey Workshop | Dr. A K. Chowdhury  SMS (Agril. Extension) | 12-13 March, 2019 (3 days) | ICAR-ATARI, Kolkata |
|  | Workshop | Launching Workshop on ARYA | Dr. A K. Chowdhury  SMS (Agril. Extension) | 28.03.2019 | ICAR-ATARI, Kolkata |
| Dr. Nitai Mudi Sr. Scientist & Head | 28.03.2019 | ICAR-ATARI, Kolkata |
|  | Skill training | Training of trainer | Dr. Nikhil Gayen, SMS (Plant Science) | 18th -20th Sept, 2018 and 3 days | ASCI |
|  | Regional Workshop | PPV & FR | Dr. Nikhil Gayen, SMS (Plant Science) | 25.03.2019 and1day | ICAR-ATARI, Kolkata in collaboration with PPV&FR Authority, New Delhi |

**3.7. Success stories/Case studies, if any (two or three pages write-up on 1-2 best case(s) with suitable action photographs)**

Papaya cultivation for ripe fruits

|  |  |
| --- | --- |
| Name of farmer | Krishna Chandra Haldar  E:\Samsul\2018-19\Report\Selected Photo(2018-19)\Papaya\K1.jpg |
| Address | Vill.-Uttar Simla, Block- Chinsurah-Mogra,  Dist.- Hooghly, Pin- 712102 |
| Contact details (Phone, mobile, email Id) | Contact No: 9007582832 |
| Land holding (in ha.) | 3.3 ha |
| Name and description of the farm/ enterprise  E:\Samsul\2018-19\Report\Selected Photo(2018-19)\Papaya\IMG_20190520_131137.jpg  E:\Samsul\2018-19\Report\Selected Photo(2018-19)\Papaya\IMG_20190520_131014.jpg  E:\Samsul\2018-19\Report\Selected Photo(2018-19)\Papaya\K2.JPG | **Papaya cultivation for ripe fruits:**  This is the success story of a progressive and commercial farmer, Mr. Krishna Chandra Haldar of village Uttar Simla under Chinsurah-Mogra block of Hooghly district. Mr. Haldar has vast experience in agriculture. He is associated with cultivation with more than 35 years and is still very eager to know something new technology and to adopt it in his own farming. He grows mainly horticultural crops like Papaya, Mango, Vegetables, etc. He is presently cultivating quite large numbers of variety in mango. But his main income is coming now from papaya cultivation. He earns a net profit of Rs. 4 to 5 lakh annually from his papaya cultivation. He grows papaya since 30 years and papaya is cultivated mainly for ripe fruits as ripe papaya has quite good market in this area. Ripe papaya is very delicious having good nutritional value and its demand remains throughout the year with good market price. Papaya can be grown throughout the year and it bears fruits round the year. But in this region for better profit papaya is planted according to some festive months like Muslim’s Ramzan month and other festivals like Durga puja. Presently he is growing papaya in 1.5 acre of land. Mr. Haldar visited our KVK several times and took training on orchard management including papaya cultivation and he applied the knowledge in his cultivation. As papaya is very weather sensitive crop, outside improved varieties are not performing well in this region. So he mainly cultivates two local selected cultivars namely, ‘Deshi’ and ‘Bombai’ which give good production and are well adopted in this region. He collects seeds from his own crop with proper selection of fruits and seeds. He also raises his seedlings for own purpose. Mr. Halder applies modern cultural practices like mulching with straw, use of organic matter to the papaya crop. He uses very lesser amount of chemical fertilizers. When he faces problems for his crop he consults the Scientists of KVK and applies the remedial measures like application of boron, fungicides and pesticides, etc. KVK Scientists also visited his field and provided suggestion and technical know-how for management of the crop. He also developed a weeder machine to control weeds in his papaya field. During harvesting period he harvests about 300-400 kg fruits daily. Harvested fruits are stored for 2-3 days for enhancement of ripening and then transported to the market with paper wrapping in bamboo baskets. Due to following scientific management practices the quality of his fruits i.e. shape, size and colour was quite acceptable to the markets. He sales his produce in Chandannagar market with price ranging from Rs. 20 to Rs. 40 per Kg fruits. From this local market the middlemen transported the fruits to metropolitan city like, Kolkata. |
| Economic impact | **Economic Return from 1.5 acre papaya cultivation (1 year):**  Cost of seedlings raising: Rs. 30,000.00  Cost of manures, fertilizers, pesticides, other chemicals: Rs. 2,00,000.00  Cost of bamboo staking and other materials: Rs. 70,000.00  Cost of labour: Rs. 1,00,000.00  Post harvest and Marketing cost: 50,000.00  **Total cost: Rs. 4,50,000.00**  Total production: 45 tones  Avg. Selling price Rs. 20 per Kg  Gross return: Rs. 9,00,000.00  Net Return: Rs. (9,00,000.00 – 4,50,000.00) = 4,50,000.00  This huge income from the sole crop papaya cultivation leads Mr. haldar to economically sound person and helps to develop his livelihood. |
| Social impact | Being a progressive farmer Mr. haldar is now very well known person in his village. The lifestyle of his family is significantly improved by the income from the crop. Many persons and organization visit his field to see his adorable approach. |
| Environmental impact | Mr. Sarkar’s initiative is leading to bring crop diversity in that region and it is better for environment. |
| Horizontal/ Vertical spread | Many farmers are inspired from Mr. Haldar for papaya cultivation and they already started to take initiative in this regard. Some farmers are shifting their traditional paddy and potato cultivation to such remunerative papaya cultivation. At present in his area about 3 ha land is covered under papaya cultivation. |

Vermicompost Production

|  |  |
| --- | --- |
| Name of farmer | Biswanath Das |
| Address | Sankomore, Majher rasta, Chinsurah, Hooghly-712102 |
| Contact details (Phone, mobile, email Id) | 8013249521 |
| Landholding (in ha.) | 1000 sq.m |
| Name and description of the farm/ enterprise | N T Agro Organic |
| Economic impact | Net profit 15,000/- per month |
| Social impact | - |
| Environmental impact | Collecting organic waste from nearby localities. |
| Horizontal/ Vertical spread | A good number of interested rural youths are coming here to know the details about the vermicompost production technology. |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Name/ Title of the technology** | **Name/ Details of the Innovator(s)** | **Brief details of the Innovative Technology** |
| 1. | Germination box for vegetable seed germination during winter season | Name: MANAS KUMAR KUNDU  Address: Vill. Ghagarpara, P.O. Khanakul, PIN:712406, Block: Khanakul 1, Dist. Hooghly,  Phone number: (0)8641919467  Age: 31  Educational qualification: Class X  Landholding: 12 Katha  Farming experience (in years): Around 9 years  Name of crops/ livestock / other enterprises adopted by the innovator: Rice, Cucumber, Ridge gourd, Snake gourd, Okra, Merigold | In common practice farmers generally germinate their wetted and treated seeds in between dry paddy straw heap after wrapping with bamboo leaf and cloth. But in this condition seed take more time to germinate and germination percentage is also less due to low temperature. In this particular case heplaced seeds on wetted cotton in plate and the plate were kept inside the germination box which was made by himself. During winter season in that box, temperature is given through kerosene lamp that can be maintained manually for which one thermometer is attached from outside. He made this box with of Length X Breadth X Height: 1’X1’X1’ 6”size with the help of hard paper board in which the lower side is made by metal sheet and top of the box can be open to place the seeds or when required. In the middle portion of the sheet, there is a chamber (Made by metal cane) for placing the kerosene lamp from outside. The box is placed on wooden foot. |

3.9. a. 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)

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Crop / Enterprise** | **ITK Practiced** | **Purpose of ITK** |
| 1. | Water melon | Hand pollination | Better fruit setting |
| 2. | Papaya | Hand rubbing with ash after collection of seeds from fruits of papaya | To remove the gelatiniuos substances of seeds which contain germination inihibitors |

**b. Give details of organic farming practiced by the farmer**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Crop / Enterprise** | **Area (ha)/ No. covered** | **Production (q)** | **No. of farmers involved** | **Market available (Y/N)** |
| 1. | **Paddy** (Black rice, Dudhersor, Jhingesal, Kerala sundori)  Tapan Adhikary & Group  Vill: Khoragore, Chanditala-2, Hooghly | 6 | 260 | 25 | Y |
| 2. | **Paddy** (Kolma, Gobinobhog, Radhatilok, Kalabhat, Radhunipagol, Jasmin, )  Basudeb Ghosh & Group  Inchurah, Balagarh, Hooghly | 10 | 500 | 50 | Y |
| 3. | **Brinjal, Cowpea, Okra**  Sukumar Dey  Jangalpara, Chanditala-1 | 0.3 | 30 | 2 | Y |
| 4. | **Paddy** (Gobinobhog, Radhatilok, Radhunipagol, )  Shyamal Mukherjee  Dhobapara, Balagarh, Hooghly | 1 | 35 | 1 | `Y |
| 5. | **Paddy** (Kolma, Gobinobhog, Radhatilok, )  **Pinted gourd**  Sanjoy Ghosh  Ichhapur, Balagarh, Hooghly | 1.5  0.5 | 60  70 | 1 | Y |

**3.10. Indicate the specific training need analysis tools/methodology followed by KVKs**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Brief details of the tool/ methodology followed** | **Purpose for which the tool was followed** |
|  | PRA | Training need assessment |
|  | Group Discussion | Training need assessment, Selection of Beneficiaries |
|  | Observation | Training need assessment, Selection of Beneficiaries |
|  | Structured schedule | Training need assessment |

**3.11. a. Details of equipment available in Soil and Water Testing Laboratory**

|  |  |  |
| --- | --- | --- |
| Sl. No | Name of the Equipment | Qty. |
|  | Mridaparikshak with soil testing kits | 1 |
|  | Digital Flam Photo Meter | 1 |
|  | Mono Quartz Distillatron Unit | 1 |
|  | Dr. Meter (Soil Temparature Recorder) | 1 |
|  | Augar | 1 |
|  | Core Sampler | 1 |
|  | Moisture Box | 1 |
|  | STFR Meter | 1 |

3.11.b. Details of samples analyzed so far:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Number of soil samples analyzed** | | | No. of Farmers | No. of Villages | Amount realized  (in Rs.) |
| **Through mini soil testing kit/labs** | **Through soil testing laboratory** | Total |  |  |  |
| 81 | — | 81 | 200 | 13 | — |

**3.11.c. Details on World Soil Day**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Activity** | **No. of Participants** | **No. of VIPs** | **Name (s) of VIP(s)** | **Number of Soil Health Cards distributed** | **No. of farmers benefitted** |
| 1. | 1. Training on Soil Health Management, Vermi-Compost Production Technology  2. Soil Health Card distrbution | 245 | 2 | 1. Shri Ashok Tarafder, DDA (Admn), Hooghly 2. Sri Jayanta Parui,   DDA (WBP) & PD (ATMA), Hooghly | 200 | 200 |

**3.12. Activities of rain water harvesting structure and micro irrigation system: Not Applicable**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No of training programme** | **No of demonstrations** | **No of plant material produced** | **Visit by the farmers** | **Visit by the officials** |
| — | — | — | — | — |

**3.13. Technology week celebration**

|  |  |  |  |
| --- | --- | --- | --- |
| **Type of activities** | **No. of activities** | **Number of participants** | **Related crop/livestock technology** |
| Crop Exhibition | 25 | 700 | Cabbage, Cauliflower, Brinjal, Banana, Red Cabbage, Lettuce, Variety of Flowers, Radish, Papaya, Groundnut Potato, Tamato, Mustard, Elephant Footyam, Broccoli, Capsicum, |
| Farmers’ Training | 12 | 660 | seed production Technology of different crops, Potato Pest management, Integrated nutrient management of potato, , Vermi-compost production, , Role of farmers’ club in marketing, Soil Health Management |
| Displaying of posters/charts | 100 | 750 | Potato seed Production, low cost vermin-compost production Technology, Potato Pest Management, , Potato Processing technology, Nutrient management technology |
| Video show on Agricultural Technology | 3 | 450 | Potato seed Production, Potato Pest Management, Potato planting machineries, vermin-compost production Technology |
| Publication of leaflet | 3 | - | Leaflets Published by Hon’ble Vice-Chancellor, BCKV |

**3.14. RAWE/ FET programme - is KVK involved? (Y/N) N**

|  |  |
| --- | --- |
| **No of student trained** | **No of days stayed** |
|  |  |

|  |  |
| --- | --- |
| **ARS trainees trained** | **No of days stayed** |
|  |  |

**3.15. List of VIP visitors (Minister/ MP/MLA/DM/VC/Zila Sabhadipati/Other Head of   
 Organization/Foreigners)**

|  |  |  |
| --- | --- | --- |
| **Date** | **Name of the person** | **Purpose of visit** |
| 23.02.2019 | Dr. Ratna De Nag, MP, Hooghly | Pre-Rabi Krishak Sammelan & Kishan Mela |
| 23.02.2019 | Shri Tapan Das Gupta, MIC, Deptt. of [Agricultural Marketing, Govt. of West Bengal](https://www.youtube.com/watch?v=OJaJGK5maWc) | Pre-Rabi Krishak Sammelan & Kishan Mela |
| 23.02.2019 | Shri Asit Majumder, MLA, Chinsurah | Pre-Rabi Krishak Sammelan & Kishan Mela |
| 23.02.2019 | Shri Manoj Chakraborty, Krishi Karmadhakshya, Hooghly Zilla Parishad | Pre-Rabi Krishak Sammelan & Kishan Mela |
| 24.09.2018, 05.12.2018 & 23.02.2019 | Mr. Ashok Tarafder, DDA (Admin), Hooghly | SAC Meeting, World Soil Day, Pre-Rabi Krishak Sammelan & Kishan Mela |
| 24.09.2018, 05.12.2018 & 23.02.2019 | Mr. Jayanta Parui, DDA (WBP) & PD (ATMA), Hooghly | SAC Meeting, World Soil Day, Pre-Rabi Krishak Sammelan & Kishan Mela |
| 24.09.2018 & 23.02.2019 | Mrs. Moutusi Mitra Dhar, Deputy Director of Horticultur, Hooghly | SAC Meeting, Pre-Rabi Krishak Sammelan & Kishan Mela |
| 24.09.2018 & 23.02.2019 | Prof. Pintu Bandyopadhyay  Director, Directorate of Extension Education, BCKV | SAC Meeting, Pre-Rabi Krishak Sammelan & Kishan Mela |
| 23.02.2019 | Prof. Srikanta Das, Dean, Faculty of Agriculture, BCKV | Pre-Rabi Krishak Sammelan & Kishan Mela |
| 25.02.2019 | Prof. Koushik Brahmachari, In-Charge, FACC, BCKV | Pre-Rabi Krishak Sammelan & Kishan Mela |
| 28.01.2019 | Mr. Kartick Biswas, Statistical Investigator, Directorate of Jute Development, Govt. of Inadia | CFLD Visit |
| 24.08.2018 | Mr. Kempahonnaiah, IAS, Assistant Magistrate, Hooghly District | Different Activities of KVK |
| 09.08.2018 | Mr. Sampot Ranjan Patra, Director of Agriculture, Govt. of WB | Different Activities of KVK |
| 23.02.2019 | Dr. D.D. Patra, Vice- Chancellor, BCKV | Pre-Rabi Krishak Sammelan & Kishan Mela |
| 06.03.2019 | Dr. S. S. Singh, Director, ICAR-ATARI | KVK Visit |

1. **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)**

|  |  |
| --- | --- |
| **Horizontal spread of technologies** | |
| **Technology** | **Horizontal spread** |
| Demonstration of Prateeksha (IET-15191) - a improved high yielding paddy variety | 2800 ha in 2018-19 |

**Large scale demonstration of Prateeksha (IET-15191)- a improved high yielding paddy variety**

**Back ground:** Paddy is the major crop of Hooghly district covering around 1,77,000 ha land in kharif season. The most important variety of kharif paddy in the district is Swarna Masuri. Low productivity in Swarna Masuri (MTU 7029) variety of paddy is a major problem to farmers mainly due to susceptibility of sheath blight disease. Realizing the problem of low productivity, KVK, Hooghly conducted an On Farm Trial for three years using 3 other variety, namely Prateeksha (IET-15191), Kanak (IET-19886) and Swarna sub-1. Out of which the variety Prateeksha is found most superior in yield and disease tolerance. This variety is now taken as FLD in farmers’ field.

**The Technology:** Improved Production technology for rice variety: Prateeksha (IET-15191).

**Advantage over other variety:** The variety Prateeksha produces more number of effective tiller and number of seed per panicle thereby higher yield than other variety. Around 19 % yield is increased over farmers’ common variety, Swarna Masuri. It also posseses sufficient tolerance against sheath blight disease.

**Horizontal spread of technology:** This technology is now on going in 37 villages of 11 blocks.

|  |  |  |
| --- | --- | --- |
| **Year** | **Name of the Blocks** | **Area (ha)** |
| 2013 | Balagarh, Panduah, Polba-dadpur, Chinsurah-Mogra,Tarkeswar | 250 |
| 2014 | Balagarh, Panduah, Polba-dadpur, Chinsurah-Mogra,Tarkeswar, Dhaniakhali, Khanakul-I, Haripal | 1000 |
| 2015 | Balagarh, Panduah, Polba-dadpur, Chinsurah-Mogra,Tarkeswar, Dhaniakhali, Khanakul-I, Haripal | 1450 |
| 2016 | Balagarh, Panduah, Polba-dadpur, Chinsurah-Mogra,Tarkeswar, Dhaniakhali, Khanakul-I, Haripal | 1625 |
| 2017 | Chanditala-I, Chanditala-II, Jangipara | 2270 |
| 2018 | Balagarh, Panduah, Polba-dadpur, Chinsurah-Mogra,Tarkeswar, Dhaniakhali, Khanakul-I, Haripal, Chanditala-I, Chanditala-II, Jangipara | 2800 |

****

**Demonstration field of variety: Prateeksha (IET-15191).**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Brief details of technology** | **Impact of the technology in subjective terms** | **Impact of the technology in objective terms** |
|  |  |  |  |

* 1. **Details of innovations recorded by the KVK**

**Farmers’ Innovation-I**

|  |  |
| --- | --- |
| **Thematic area** | **Seed Production** |
| Name of the Innovation | Germination box for vegetable seed germination during winter season |
| Details of Innovator | 1. Name: MANAS KUMAR KUNDU 2. Address: Vill. Ghagarpara, P.O. Khanakul, PIN:712406, Block: Khanakul 1, Dist. Hooghly, 3. Phone number: (0)8641919467 4. Age: 31 5. Educational qualification: Class X 6. Landholding: 12 Katha 7. Farming experience (in years): Around 9 years Name of crops/ livestock / other enterprises adopted by the innovator: Rice, Cucumber, Ridge gourd, Snake gourd, Okra, Merigold |
| Back ground of innovation | He gathered information about basic requirement of seed germination from book and made the box. Now last four years, he is applying this innovative idea in seed germination of vegetable crops, like pumpkin, snake gourd, ridge gourd and cucumber. |
| Technology details | In common practice farmers generally germinate their wetted and treated seeds in between dry paddy straw heap after wrapping with bamboo leaf and cloth. But in this condition seed take more time to germinate and germination percentage is also less due to low temperature. In this particular case heplaced seeds on wetted cotton in plate and the plate were kept inside the germination box which was made by himself. During winter season in that box, temperature is given through kerosene lamp that can be maintained manually for which one thermometer is attached from outside. He made this box with of Length X Breadth X Height: 1’X1’X1’ 6”size with the help of hard paper board in which the lower side is made by metal sheet and top of the box can be open to place the seeds or when required. In the middle portion of the sheet, there is a chamber (Made by metal cane) for placing the kerosene lamp from outside. The box is placed on wooden foot. |
| Practical utility of innovation | Seed germinate within a short period in comparison with the normal method of seed germination |

****

**4.5. Details of entrepreneurship development**

**Germination Box**

|  |  |
| --- | --- |
| Entrepreneurship development | |
| Name of the enterprise | Mushroom Production |
| Name & complete address of the entrepreneur | Mr. Sudhir Ruidas, Vill. Khirkundi, P.O. Pandua, Dist. Hooghly |
| Role of KVK with quantitative data support: | Hooghly Krishi Vigyan Kendra supports to Mr. Ruidas with scientific technologies and regular follow up for mushroom cultivation and how to sale the raw mushroom as well as dry mushroom. And guided how to produce mushroom spawn for his enterprise. |
| Timeline of the entrepreneurship development | Mr. Sudhir Ruidas, marginal farmers used to work very hard for agricultural production for his livelihood. He was very interested to cultivate mushroom since his childhood days. After completing education, he was passing through the economic stress while unemployed and searching for an alternative and profitable enterprise. However, the situation started changing when he came in contact with Hooghly Krishi Vigyan Kendra and took training for mushroom production. After getting the training he gained confidence and started mushroom cultivation in low scale by his own. |
| Technical Components of the Enterprise | Oyster mushroom per month and 150-200kg  Milky mushroom per three month and 70-80kg  Dry Mushroom per year in local market.  Spawn 15000-16000 packets per year |
| Status of entrepreneur before and after the enterprise | He was passing through the economic stress while unemployed and searching for an alternative and profitable enterprise. However, the situation started changing when he started the mushroom cultivation. His earning has reached to 4 lakh - 5 lakh per year through production and selling of raw mushroom (Oyster & Milky), Spawn and dry mushroom. |
| Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. ( Economic viability of the enterprise): | After the intervention of Hooghly KVK he tried to increase mushroom production in large scale. Side by side, he started processing and sale of the value added products of mushroom. Apart from producing and processing of mushroom, he is now supplying spawn and buying mushroom from other growers. He is also acting as rural entrepreneur and master trainer to create much awareness among others. Presently, he is supplying 100-150kg fresh Oyster mushroom per month and 150-200kg fresh Milky mushroom per three month and 70-80kg dry Mushroom per year in local market. He is also supplying spawn 15000-16000 packets per year to the surrounding producers. His earning has reached to 4 lakh to 5 lakh per year through production and selling of raw mushroom (Oyster & Milky), Spawn and dry mushroom. He has given training to the rural youth for different organization within the state and outside of the state. |
| Horizontal spread of enterprise | After seeing the success of Mr. Ruidas forty five farmers/Farm women in the locality have already started mushroom production and near about 200 rural youth have taken training on mushroom production from Hooghly KVK. They will start mushroom production very shortly. |

**Any other initiative taken by the KVK**

1. **Model Fruit ripening chamber:** This Kendra has developed a low cost fruit ripening chamber following IIHR technology for training and demonstration to the fruit growers of the district to avoid use of harmful calcium carbide.





1. **Strawberry production technology:** As per growing demand of rural youth of the district the production technology of strawberry has been standardized for the local condition. A strawberry nursery unit is also established for supplying seedlings to the interested farmers.





**5. LINKAGES**

**5.1. Functional linkage with different organizations**

| **Sl. No.** | **Name of organization** | **Nature of linkage** |
| --- | --- | --- |
| 1. | Agriculture Technology Management Agency (ATMA) | Sponsored programmes like Training, Demonstration, and Farmer’s to Farmer’s Technology dissemination, Farm School and ATMA funded Research on Organic matter and Growth regulators on production of strawberry and Seed primimng on lentil. |
| 2. | National Bank for Agriculture and Rural Development (NABARD) | Taken up different activities by KVK through Farmers’ Clubs formed by NABARD, Sponsored Programme like Skilled Development Training, Technical Partner in Pilot Project on Value Chain Management of Potato in Hooghly Distrist, Development of Master Farmers, Tarining by Master Farmers to other Farmers, Dissemination of Onion Storage Technology Refined by Hooghly KVK through formation of Bankable Scheme. |
| 3. | Rashtriya Krishi Vikash Yojona (RKVY), Govt. of W.B. | Provided fund for development of model Integrated Farming System Training- cum- Demonstration Centre. |
| 4. | Fertilizer Association of India (FAI) | Organized demonstration programme jointly on Soil test based fertilizer application in paddy and potato. |
| 5. | All India Co-ordinated Research Project (AICRP) on Forage Crops, BCKV | Organized demonstration programme and field day on fodder crops jointly |
| 6. | Department of FPI & Horticulture, Govt. of W.B. | Provided fund for Onion storage structure and progeny orchard, Training under National Vegetable Initiative Programme, Training under MIDH. |
| 7. | Coconut Development Board, Govt. of India | Provided fund for development of master farmers under FOCT. |
| 8. | Regional Station for Forage Production & Demonstration, Kalyani | Provided Seed & Planting Materials of Fodder. |
| 9. | NDRI, Kalyani | Provided Seed & Planting Materials of Fodder, Mineral Mixture (CALMIN-ERS). |
| 10. | Animal Resource Development Department, GoWB | Organized Vaccination Camps and Animal Health Camps. |
| 11. | ICAR-National Institute of Research on Jute & Allied Fibre Technology | Demonstration of Jute rating technology, decorticator machine, use of fungal agent for Jute rating, Training of women on preparation of Jute based product; Jointly Organized Technology Mela etc. |
| 12. | Rice Research Station, Chinsurah, Hooghly | Demonstration of New Rice Variety |
| 13. | SAMETI, Narendrapur, WB | Provided STRY Training programme and DAESI Diploma course |

**5.2. List of special programmes undertaken during 2018-19 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies** **(*information of previous years should not be provided*)**

**a) Programmes for infrastructure development**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the programme/scheme** | **Purpose of programme** | **Date/ Month of initiation** | **Funding agency** | **Amount (Rs.)** |
| ATMA Research | Research Work | November, 2018 | ATMA | 5,00,000.00 |
| Farmers’ Scientist interaction under ATMA | Training | October, 2018 | ATMA | 40,000.00 |
| STRY | Training | December, 2018 | SAMETI | 42,000.00 |
| ATMA ATM/BTM Training | Training | September, 2018 | ATMA | 1,44,000.00 |
| Diploma in Agricultural Extension Services for Input Dealers | Diploma Course | November, 2017 to October, 2018 | MANAGE | 16,00,000.00 |

**(b) Programme for other activities (training, FLD, OFT, Mela, Exhibition etc.)**

| **Name of the programme/scheme** | **Purpose of programme** | **Date/ Month of initiation** | **Funding agency** | **Amount (Rs.)** |
| --- | --- | --- | --- | --- |
| ATMA Research | Research Work | November, 2018 | ATMA | 5,00,000.00 |
| Farmers’ Scientist interaction under ATMA | Training | 25.09.2018 & 28.03.2019 | ATMA | 40,000.00 |
| STRY | Training | 03-09 December, 2018 | SAMETI | 42,000.00 |
| ATMA ATM/BTM Training | Training | 26-28 September, 2018 & 03-05 October, 2018 | ATMA | 1,44,000.00 |
| Diploma in Agricultural Extension Services for Input Dealers | Diploma Course | November, 2017 to October, 2018 | MANAGE | 16,00,000.00 |

1. **PERFORMANCE OF INFRASTRUCTURE IN KVK**

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

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of demo Unit** | **Year of estt.** | **Area**  **(Sq. mt)** | **Details of production** | | | **Amount (Rs.)** | | **Remarks** |
| **Variety / breed** | **Produce** | **Qty.** | **Cost of inputs** | **Gross income** |
| 1. | IFS cum demonstration Unit | 2012 | 82.5 | Cow-CBJ  Goat-Black Bengal  Hen- RIR  Gramapriya  Duck-Indian Runner | Milk, Kids  Fish  Meat  Duck  Hen | Milk:1870.50 lt.  13 nos. Goats  Fish:40 kg  Egg: 217 nos.  3 nos. Hen | Rs 58000/- | Rs. 56,114/-  —  Rs. 4,400/-  Rs. 1,300/-  Rs. 1,000/- |  |
| 2. | Green house | 2011 | 279 | Capsicum, Tomato, Broccoli, Cherry Tomato etc. | As Vegetables | 350pcs,  3.0q,  400pcs,  0.10q, | Rs.  8,500/- | Rs.12,000/- |  |
| 3. | Shade net | 2012 | 42 | Cauliflower, Tomato, Chilli, Broccoli | As Seedlings | 4375 nos. | Rs.  4,000 /- | Rs.  5,500 /- |  |
| 4. | Progeny orchard | 2013 | 4000 | Himsagar, Amropali, L-49, Allahabad Sofeda, Patiline etc. | As Fruits |  | Rs.  5,000 /- | Rs.  7,000 /- | Progeny orchard consist of five years aged seedlings |
| **Total** | | **–** | **4403.5** | **–** | **–** | **–** | **75,500.00** | **87,314.00** | **–** |

**6.2. Performance of Instructional Farm (Crops)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name**  **of the Crop** | **Date of sowing** | **Date of harvest** | **Area (ha)** | **Details of production** | | | **Amount (Rs.)** | | **Remarks** |
| **Variety** | **Type of Produce** | **Qty.**  **(q)** | **Cost of inputs** | **Gross income** |
| Paddy | 18.06.18 | 26.11.18 | 2.67 | MTU7029 | Seed | 81.50 | 75,000.00 | Yet to be Sold |  |
| 27.11.18 | 0.267 | IET 15191 | Seed | 13.75 | 13,000.00 | Yet to be Sold |  |
| 06.12.18 | 0.133 | Gobindabhog | Seed | 1.5 | 3,800.00 | 9,000.00 |  |
| 26.06.18 | 08.12.18 | 0.06 | Kalanonia | Seed | 1.0 | 1,850.00 | Yet to be Sold |  |
| Lentil | 03.12.18 | 04.03-07.03.19 | 0.53 | Maitri | Seed | 1.82 | 2,800.00 | Yet to be Sold |  |
| Mustard | 25.12.18 | 28.03.19 | 0.267 | JD-6 | Seed | 1.07 | 3,000.00 | 3,745.00 |  |
| Onion bulb | 10.10.18 | 02.04-04.04.19 | 0.067 | Sukhsagar | Bulb | 4.8 | 4,700.00 | 5,100.00 |  |
| Onion Seed | 09.12.18 | 28.04.19 | 0.02 | Sukhsagar | Seed | 0.10 | 5,700.00 | Yet to be Sold |  |
| Bottle Gourd | 25.09.18 | 15.11.18-01.02.19 | 0.02 | – | Vegetable | 360 pcs | 1880.00 | 2800.00 |  |
| Sugarcane | 07.03.18 | 11.02.19 | 0.167 | Ganga 803 | Cane | 4000 pcs. | 15,000.00 | 30,500.00 |  |
| Elephant Footyam | 09.03-13.03.18 | 10.12-13.12.18 | 0.097 | Bidhan Kusum | Seed Rhizome | 15.50 q | 55,000.00 | 66,000.00 |  |
| Banana | 27.02.18 | 20.03.19 | 0.267 | Kathali Bugda Local | Bunch | 5.0 q | 5,000.00 | 20,000.00 |  |
| Strawberry | 05.11.18 | 07.01-10.04.19 | 0.067 | Sweet Charlie, Winter Dawn | Fruit | 5.0 q | 60,000.00 | 75,000.00 |  |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Name of the Product** | **Qty (Kg)** | **Amount (Rs.)** | | **Remarks** |
| **Cost of inputs** | **Gross income** |
|  | Vermi-Compost | 2500 | 3,500.00 | 10,500.0 | The maximum produced is utilized in Instructional farm of KVK |
|  | Earth worm | 2500 pcs. | - | 1,250.00 | Farmers purchased the earth worm from KVK |
|  | Azolla | 210 | 650.00 | 800.00 | The maximum produced is utilized in Instructional farm of KVK |

* 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** |
| 1. | Cow | Cross Breed Jersey | Milk | 1870.50 lit | 44,600.00 | 56,114.00 |  |
| 2. | Goat | Black Bengal | Live Goat | 13 nos. | 1,500.00 | Yet to be Sold |  |
| 3. | Fish | Katla, Rohu, Mriguel | Fish | 40 kg. | 2,500.00 | 4,000.00 |  |
| 4. | Poultry | Gramapriya | Live Hen | 3 pcs. | 900.00 | 1,300.00 |  |
| **Total -** | | | | | **49,500.00** | **61,514.00** |  |

* 1. **Utilization of hostel facilities**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Months** | **No. of trainees stayed** | **Trainee days**  **(days stayed)** | **Reason for short fall (if any)** |
| April | — | — |  |
| May | 12 | 2 |  |
| June | 38 | 1 |  |
| July | 29 | 2 |  |
| August | 27 | 3 |  |
| September | 63 | 2 |  |
| October | 12 | 2 |  |
| November | 10 | 1 |  |
| December | 32 | 3 |  |
| January | — | — |  |
| February | 20 | 2 |  |
| March | — | — |  |
| **Total :** | **243** | **18** |  |

(For whole of the year)

* 1. **Utilization of staff quarters**

**Whether staff quarters has been completed:** Yes

**No. of staffquarters:** 5

**Date of completion:** 2011

**Occupancy details:** Temporarily used as store & laboratories.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Months** | **Q I** | **QII** | **Q III** | **QIV** | **Q V** | **QVI** |
|  |  | | | | | |

1. **FINANCIAL PERFORMANCE**

**7.1. Details of KVK Bank accounts**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bank account** | **Name of the bank** | **Location** | **Account Number** |
| Hooghly Krishi Vigyan Kendra, BCKV, ICAR | State Bank of India | State Bank of India, Chinsurah, Akhanbazar  Dt.-Hooghly, Pin-712101 | 30403857089 |
| Hooghly Krishi Vigyan Kendra, (Revolving Fund A/c), BCKV, ICAR | -Do- | -Do- | 30403846033 |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Released by ICAR** | | **Expenditure** | | **Unspent balance as on -1st April 2019** |
| **Kharif** | **Rabi** | **Kharif** | **Rabi** |
| Groundnut | 2.40 | - | 2.37740 | - | 0.02260 |
| Mustard | - | 0.60 | - | 0.58758 | 0.01242 |

* 1. **Utilization of funds under CFLD on Pulses *(Rs. In Lakhs)***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | **Released by ICAR** | | **Expenditure** | | **Unspent balance as on 1st April 2019** |
| **Kharif** | **Rabi** | **Kharif** | **Rabi** |
| Black gram | 4.50 | - | 4.38374 | - | 0.11626 |
| Lentil | - | 3.30 | - | 3.25010 | 0.04990 |

**7.4. Utilization of KVK funds during the year 2018-19 (audited)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Particulars** | **Sanctioned** | **Released** | **Expenditure** |
| **A. Recurring Contingencies** | | | | |
| 1 | Pay & Allowances | 99,00,000.00 | 99,00,000.00 | 98,32,972.00 |
| 2 | Traveling allowances | 60,000.00 | 60,000.00 | 59,427.00 |
| 3 | HRD | 15,000.00 | 15,000.00 | 12,990.00 |
| 4 | Contingencies | | | |
| A | Stationery, telephone, postage and other office charges | 4,40,000.00 | 4,40,000.00 | 4,27,997.00 |
| B | POL, repair of vehicle, tractor and equipment |
| C | Training of farmers | 3,30,000.00 | 3,30,000.00 | 3,29,999.00 |
| D | Training materials (posters, charts, demonstration material including chemical etc. required for conducting the training |
| E | Training of Extension functionaries |
| F | Training of Rural youth |
| G | Frontline demonstration (minimum of 100 demonstration in a year) | 2,20,000.00 | 2,20,000.00 | 2,19,996.00 |
| H | On- farm testing (on need based, location specific and newly generated information in the major production systems of the year | 1,10,000.00 | 1,10,000.00 | 1,09,998.00 |
| I | Tribal Sub Plan (TSP) | - | - | - |
| J | Swatchta Expenditure | - | - | 12,000.00 |
| K | Maintenance of building | - | - | - |
| TOTAL (A) | |  |  |  |
| **B. Non-Recurring Contingencies** | | | | |
| 1 | Works | - | - | - |
| 2 | Vehicle | - | - | - |
| 3 | Equipment, Furniture and Furnishing | - | - | - |
| 4 | Soil & Water testing Equipments | - | - | - |
| **TOTAL (B)** | | **1,10,75,000.00** | **1,10,75,000.00** | **1,10,05,382.00** |
| C. REVOLVING FUND | | - | - | - |
| **GRAND TOTAL (A+B+C)** | | **1,10,75,000.00** | **1,10,75,000.00** | **1,10,05,382.00** |

**7.5. Status of revolving fund (Rs. in lakh) for last 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 (Kind + cash)** |
| 2015-16 | 2.13160 | 3.46142 | 3.43096 | ***Cash*- Rs.** **2.16206**  ***Kind*- 4.8 ton paddy seed, 1.2 q Mustard Seed, 10.0 kg Onion Seed & 10.0 q Onion Bulb (Stock value: Approx. Rs.0. 956)** |
| 2016-17 | 2.16206 | 4.30699 | 3.53933 | ***Cash*- Rs.2.92972**  ***Kind*- 9.0 ton paddy seed, 0.5 q Mustard Seed, 40.0 kg Onion Seed & 18.0 q Onion Bulb, Coriander 2.0 q (Stock value: Approx. Rs. 3.26700)** |
| 2017-18 | 2.92972 | 7.09750 | 5.68239 | ***Cash*- Rs.4.34483**  ***Kind*- 2.5 ton paddy seed (Stock value: Approx. Rs. 0.50 lakh), 9.0 kg Onion seed (Stock value: Approx. Rs. 0.09 lakh)** |
| 2018-19 | 4.34483 | 10.83227 | 7.99761 | ***Cash*- Rs.7.17949**  ***Kind*- 9.77 ton paddy seed (Stock value: Approx. Rs. 2.85 lakh), 10.0 kg Onion seed (Stock value: Approx. Rs. 0.15 lakh)** |

* 1. **(i) Number of SHGs formed by KVKs: 02**

**(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities**

SHG members are trained on Processing and Preservation of Fruits & Vegetables, Integrated Farming System, Off Season Vegetables Cultivation, Mushroom cultivation, Vermicompost production etc.

**(iii) Details of marketing channels created for the SHGs**

Farmers’ Clubs and Famers’ Interest Groups (FIGs) are attached with FPOs for getting more profit. FPOs act. as a medium for the marketing of the produce of farmers attached with different groups. Subsequently the intermediaries in the marketing channel is decreasing, the optimal profit is increasing.

* 1. **Joint activity carried out with line departments and ATMA**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Nameof activity** | **Number of activity** | **Season** | **With line department** | **With ATMA** | **With both** |
| Celebration of Soil Health Day | 1 | Rabi | Agriculture Department | ATMA, Hooghly | Both |
| Refresher course of ATMA Functioneries (BTM/ATM) | 1 | Rabi | Agriculture Department | ATMA, Hooghly | Both |
| Horticulture technology under MIDH | 5 | Rabi | FPI& Horticulture | - | Single |
| Farmers Scientists Interaction Programme | 2 | Rabi | Agriculture Department | ATMA, Hooghly | Both |
| Skill Training on Rural Youth | 2 | Rabi | SAMETI, WB | - | Single |
| ATMA funded research on Strawberry & Lentil | 2 | Kharif & Rabi | Agriculture Department | ATMA, Hooghly | Both |
| Field visit | 7 | Kharif, Rabi and Summer | Agriculture Department | ATMA, Hooghly | Both |

**8.** **Other information**

8.1. Prevalent diseases in Crops: Not applicable

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of the disease** | **Crop** | **Date of outbreak** | **Area affected (in ha)** | **% Commodity loss** | **Preventive measures taken for area (in ha)** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**8.2. Prevalent diseases in Livestock/Fishery: Not applicable**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of the disease** | **Species affected** | **Date of outbreak** | **Number of death/ Morbidity rate (%)** | **Number of animals vaccinated** | **Preventive measures taken in pond (in ha)** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**9.1. Nehru Yuva Kendra (NYK) Training: Not applicable**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title of the training programme | Period | | No. of the participant | | Amount of Fund Received (Rs) |
|  | From | To | M | F |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**9.2. PPV & FR Sensitization training Programme: Not applicable**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date of organizing the programme** | **Resource Person** | **No. of participants** | **Registration (crop wise)** | |
|  |  |  | **Name of crop** | **No. of registration** |
|  |  |  |  |  |

**9.3. *mKisan* Portal (National Farmers’ Portal/ SMS Portal)**

|  |  |  |
| --- | --- | --- |
| **Type of message** | **No. of messages** | **No. of farmers covered** |
| Crop | 25 | 4500 |
| Livestock | 0 | 0 |
| Fishery | 0 | 0 |
| Weather | 0 | 0 |
| Marketing | 0 | 0 |
| Awareness | 23 | 3530 |
| Training information | 10 | 1000 |
| Other | 15 | 2778 |
| **Total** | **73** | **11,808** |

**9.4. *KVK* Portal and Mobile App**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Particulars** | **Description** |
| 1. | No. of visitors visited the portal | 525 |
| 2. | No. of farmers registered in the portal | 337 |
| 3. | Mobile Apps developed by KVK | *-* |
| 4. | Name of the App | *-* |
| 5. | Language of the App | *-* |
| 6. | Meant for crop/ livestock/ fishery/ others | *-* |
| 7. | No. of times downloaded | *-* |

**9.5. a. Observation of Swachh Bharat Programme**

|  |  |
| --- | --- |
| **Date/ Duration of Observation** | **Activities undertaken** |
|
| 16.12.2018 | Display and Banner at Prominent places |
| 17.12.2018 | Cleaning of Offices, Corridors and premises  Weeding out old records |
| 18.12.2018 | Sanction and SWM  Cleanliness and sanitation drive within campuses |
| 19.12.2018 | Sanitation and SWM  Cleanliness and sanitation drive in the villages adopted by KVK involving village community |
| 20.12.2018 | Stock taking of waste management & activities including utilization of organic wastes/generation of wealth from waste, polythene free status, composting of kitchen and home waste materials, promoting clean & green technologies and organic farming practices. |
| 21.12.2018 | Awareness on recycling of waste water, water harvesting for agriculture/horticulture application / kitchen gardens in residential colonies / l-2 nearby villages. |
| 22.12.2018 | Organising Workshops, exhibitions, technology demonstrations on agricultural technologies for conversion of waste to wealth, safe disposal of all kinds of wastes. Debate on Swachhta at  the DARE/ICAR establishments, Seminars, awareness camps, rallies, street plays and expert talk. |
| 23.12.2018 | Celebration of Special Day- Kisan Diwas (Farmer's Day)-23 December inviting farmers. Experience sharing on Swachhta initiatives by farmers and civil society officials. Felicitating  farmers / civil society officials for exemplary initiatives on Swachhta. |
| 24.12.2018 | Swachhta Awareness at local level (organizing Sanitation Campaigns) involving and with the help of the farmers, farm women and village youth in new villages not adopted any by institutes/ establishments. |
| 26.12.2018 | Fostering healthy competition: Organising competition and rewarding best offices/ residential areas/ campuses on cleanliness. Quiz, assay & drawing competitions for school children, village youth. |
| 27.12.2018 | Stock taking of waste management & other activities including utilization of organic wastes/ generation of wealth from waste, polythene free status, composting of kitchen and home waste  materials, Promoting clean & green technologies and organic farming practices in community places and on the spot redressal of issues. |
| 28.12.2018 | Campaign on cleaning of sewerage & water lines, awareness on recycling of waste water, water harvesting for agriculture/ horticulture application/kitchen gardens in residential colonies  outside campuses/ nearby villages with the involvement of local/ vilage communities. |
| 29.12.2018 | Visits of community waste disposal sites/ compost pits, cleaning and creating awareness on treatment & safe disposal of bio-degradable/ non bio-degradable wastes by involving civil/farming community. |

**b. Details of Swachhta activities with expenditure**

|  |  |  |
| --- | --- | --- |
| **Activities** | **Number** | **Expenditure (in Rs.)** |
| 1. Digitization of office records/ e-office | — | 0.00 |
| 1. Basic maintenance | 4 | 3,750.00 |
| 1. Sanitation and SBM | 5 | 5,000.00 |
| 1. Cleaning and beautification of surrounding areas | 5 | 1,000.00 |
| 1. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste | 5 | 1,000.00 |
| 1. Used water for agriculture/ horticulture application | 1 | 0.00 |
| 1. Swachhta Awareness at local level | 5 | 1,000.00 |
| 1. Swachhta Workshops | — | 0.00 |
| 1. Swachhta Pledge | 1 | 0.00 |
| 1. Display and Banner | 1 | 250.00 |
| 1. Foster healthy competition | — | 0.00 |
| 1. Involvement of print and electronic media | — | 0.00 |
| 1. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village) | 5 | 0.00 |
| 1. No of Staff members involved in the activities | 12 | 0.00 |
| 1. No of VIP/VVIPs involved in the activities | — | 0.00 |
| 1. Any other specific activity (in details) | — | 0.00 |
| **Total** | **44** | **12,000.00** |

**9.6. Observation of National Science day**

|  |  |
| --- | --- |
| **Date of Observation** | **Activities undertaken** |
|
| 28.02.2019 | Training cum Awareness Programme on hi-tech horticulture, Vermi-Compost Production, Visit of Instructional Farm. |

**9.7. Programme with Seema Suraksha Bal/ BSF:** Not Applicable

|  |  |  |
| --- | --- | --- |
| **Title of Programme** | **Date** | **No. of participants** |
|  |  |  |

**9.8. Agriculture Knowledge in rural school**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name and address of school** | **Date of visit to school** | **Areas covered** | **Teaching aids used** |
| Inchura Rai Saheb Haradhan Ch Adibasi Vidyamandir, P.O. - Inchura Bazar Dist - Hooghly | 22.08.2018 | * Crop Production Technology * Parthenium Awareness | LCD Projector, Laptop |
| Nur Humjanpur Prathamik Bidyalaya, P.O. - Humjanpur  Dist - Hooghly | 20.09.2018 | * Crop Production Technology * Swachhata Awareness Activity | LCD Projector, Laptop |





**9.9. Details of ‘*Pre-Rabi Campaign’* Programme**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date of programme** | **No. of Union Ministers attended the programme** | **No. of  Hon’ble MPs (Loksabha/ Rajyasabha) participated** | **No. of State Govt. Ministers** | **Participants (No.)** | | | | | | | **Coverage by Door Darshan (Yes/No)** | **Coverage by other channels (Number)** |
| **MLAs Attended the programme** | **Chairman ZilaPanchayat** | **Distt. Collector/ DM** | **Bank Officials** | **Farmers** | **Govt. Officials, PRI members etc.** | **Total** |
| 23.02.19 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 700 | 300 | 1001 | Yes | 5 |

**9.10. Details of Swachhta Hi Sewa programme organized**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Activity** | **No. of villages Involved** | **No. of Participants** | **No. of VIPs** | **Name (s) of VIP(s)** |
|  | Toilet pit-digging exercise and other toilet construction activities | 1 | 40 | — | — |
|  | Organizing cleaning of streets, drains and back alleys through awareness drives | 4 | 120 | — | — |
|  | Organizing waste collection drives in households and common or shared spaces | 1 | 6 | — | — |
|  | Conducting door to door meeting to drive behavior with respect to sanitation behaviours | 1 | 10 | — | — |
|  | Organizing awareness campaigns around better sanitation practices like using a toilet, hand washing, health and hygiene awareness, etc. | 4 | 200 | — | — |
|  | Performing Swachhata related Nukkad Nataks/ street plays, folk song and dance performances | 0 | 0 | — | — |
|  | Conducting Village or School-level rallies to generate awareness about sanitation | 2 | 250 | — | — |
|  | Making wall paintings in public places on the theme of Swachhata | 1 | 10 | — | — |
|  | Volunteering for segregation of solid waste into non-biodegradable and biodegradable waste | 1 | 5 | — | — |
|  | Mobilizing community to build compost pits, where organic matter decomposes to form manure | 4 | 40 | — | — |

**9.11. Details of Mahila Kisan Divas programme organized**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Activity** | **No. of villages Involved** | **No. of Participants** | **No. of VIPs** | **Name (s) of VIP(s)** |
| 1. | Awareness: Essay writing, Drawing competition | 5 | 56 | - | - |

**9.12. No. of Progressive/ Innovative/ Lead farmer identified (category wise)**

| **Sl.**  **No.** | **Name of Farmer** | **Address of the farmer with contact no.** | **Innovation/ Leading in enterprise** |
| --- | --- | --- | --- |
|  | Subrata Karmakar | Vill. Beleswar, P.O. Basna, Hooghly 9735195113 | Onion |
|  | Basudeb Ghosh | Vill. Hamzanpur, P.O. Ektarpur, Hooghly 9434973544 | Jute |
|  | Budhadeb Ghosh | Vill. Dhobapara, P.O. Dhobapara, Dist. Hooghly 9647959979 | Okra |
|  | Basudeb Karmakar | Vill. Beleswar, P.O. Basna, Hooghly 9735605460 | Onion |
|  | Sk. Murad Box | Vill. Beleswar, P.O. Basna, Hooghly 9734553885 | Cucumber |
|  | Ajit Das | Vill. Dohia, P.O. Ektarpur, Dist. Hooghly 9735741450 | Jute |
|  | Samiron Mondal | Vill. Dohia, P.O. Ektarpur, Dist. Hooghly 9933908235 | Paddy |
|  | Basudeb Ghosh | Vill. Ghosalia, P.O. Dumurdah , Dist. Hooghly 9831604385 | Paddy |
|  | Montulal Poddar | Vill. Dhobapara, P.O. Dhobapara, Dist. Hooghly 9002651610 | Onion |
|  | Sanjay Sammadar | Vill. Ichapur, P.O. Bakulia, Dist. Hooghly 8900039439 | Pointed gourd |
|  | Asit Nayek | Vill. Damorgacha, P.O. Inchura, Dist. Hooghly9475755531 | Onion |
|  | Dinbandhu Sanpui | Vill. Inchura bazar, P.O. Inchura Bazar, Dist. Hooghly9635808808 | Onion Seed |
|  | Tarun Das | Vill. Jagulia, P.O. Ektarpur, Dist. Hooghly9002336521 | Paddy |
|  | Shyamal Mukherjee | Vill. Dhobapara, P.O. Dhobapara, Dist. Hooghly8972217145 | Onion |
|  | Haradhan Sadhukhan | Vill. Dhobapara, P.O. Dhobapara, Dist. Hooghly9932350906 | Paddy |
|  | Ashis Sarkar | Vill. Kamarpara, P.O. Brindabanpur, Dist. Hooghly9735773801 | Paddy |
|  | Sunil Sarkar | Vill. Kamarpara, P.O. Brindabanpur, Dist. Hooghly9800855614 | Paddy |
|  | Laxmon Ch. Ghosh | Vill. Kamarpara, P.O. Brindabanpur, Dist. Hooghly8900136568 | Paddy |
|  | Radha Kanta Guin | Vill. Chakloi, P.O. Kamarpara, Dist. Hooghly9475410026 | Paddy |
|  | Amalesh Chatterjee | Vill. Kamalpur, P.O. Khamargachi, Dist. Hooghly9153865145 | Paddy |
|  | Tapan Das | Vill.Puraton Boga, P.O. Khamargachi, Dist. Hooghly 9477505010 | Paddy |
|  | Gorachand Hansda | Vill. Beleswar, P.O. Basna, Hooghly 9933312459 | Paddy |
|  | Pintu Ghosh | Vill. Ayda, Behula, Balagarh 9933654272 | Paddy |
|  | Prosenjit Gosh | Vill. Ayda, Behula, Balagarh 9775214188 | Paddy |
|  | Sushil Paul | Vill. Basna, P.O. Basna, Dist. Hooghly 9231322914 | Paddy |
|  | Sujit Kr. Das | Vill. Paschim tajpur, Chanditala, Dist. Hooghly 8926364887 | Paddy |
|  | Dudh Kumar Santra | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 9933836479 | Paddy |
|  | Sushanta Das | Vill. + P.O. Krishnarampur, Dist. Hooghly 9547462995 | Paddy |
|  | Alok Kr. Das | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 9932973488 | Paddy |
|  | Prabhas Adhikary | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 8972816637 | Paddy |
|  | Kartik Adhikary | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 9681227420 | Paddy |
|  | Ram Krishna Chakraborty | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 9903897306 | Paddy |
|  | Joydeb Adhjikary | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 9836676148 | Paddy |
|  | Ananta Ghosh | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 9479999339 | Paddy |
|  | Banulal Adhikary | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 7602435229 | Paddy |
|  | Kanai Dolui | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 9547230399 | Paddy |
|  | Dilip Adhikary | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 7278358959 | Paddy |
|  | Sk. Jumat Ali | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 9903504876 | Paddy |
|  | Arun Ghora | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 9932027408 | Paddy |
|  | Samir Bag | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 9933835902 | Paddy |
|  | Sk. Alam Gir | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 9872797192 | Potato |
|  | Ashok Santra | Vill.+P.O. Baksha, Dist. Hooghly 9830770198 | Paddy |
|  | Shyamal Adhikary | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 9932180615 | Jute |
|  | Rabin Adhikary | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 8670593601 | Paddy |
|  | Pradip Das | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 9163934354 | Paddy |
|  | Manik De | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 9153605295 | Paddy |
|  | Kedar Nath De | Vill. Khonagarh, P.O. Krishnarampur, Dist. Hooghly 8697443507 | Paddy |
|  | Gopal Santra | Vill.+P.O. Baksha, Dist. Hooghly 9007485562 | Paddy |
|  | Astu Malick | Vill.+P.O. Baksha, Dist. Hooghly 9563293335 | Paddy |
|  | Bappaditya Karmakar | Vill.+P.O. Baksha, Dist. Hooghly 9832941917 | Paddy |
|  | Animesh Mallick | Vill. + P.O. Bamunari, Dist. Hooghly 9143795220 | Paddy |
|  | Tarak NathSamanta | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly 9734503586 | Paddy |
|  | Shyamal Samui | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly 7699227361 | Paddy |
|  | Sukumar Ghorui | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly 9733808679 | Paddy |
|  | Raghunath Samanta | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly 9093938283 | Paddy |
|  | Sridam Samanta | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly 9732005128 | Paddy |
|  | Baidyanath Samanta | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly 9832204958 | Paddy |
|  | Hemanta Mondal | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly 8001788294 | Paddy |
|  | Goutam Samanta | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly 8900491278 | Paddy |
|  | Sanjit Khamaru | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly 9874307109 | Paddy |
|  | Pronay Mondal | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly9046380906 | Paddy |
|  | Sk. Moidul Islam | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly8609250334 | Paddy |
|  | Gangadhar Bhoumik | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly9800747005 | Paddy |
|  | Kaliapada Hazra | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly9143116435 | Paddy |
|  | Saifuddin Ahmed | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly9474540176 | Paddy |
|  | Mahadeb Das | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly7699115073 | Paddy |
|  | Ajijul Rahaman | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly7407902214 | Potato |
|  | Budhadeb Ghosh | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly9474702338 | Potato |
|  | Kiron Patra | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly9474004484 | Potato |
|  | Sukalyan Das | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly9474665271 | Potato |
|  | Sahadeb Das | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly9564293550 | Potato |
|  | Bikash Malik | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly9800298370 | Potato |
|  | Ramendra Nath Samanta | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly9832231047 | Potato |
|  | Gopal Ch. Mondal | Villl. Kalikundu, P.O. Ramnagar, Dist. Hooghly8900214062 | Potato |
|  | Kinkor Das | Vill. Benabari, P.O. Sugandhya, Dist. Hooghly9163104945 | Potato |
|  | Biswajit Ghosh | Vill. Benabari, P.O. Sugandhya, Dist. Hooghly9007258847 | Potato |
|  | Surajit Bag | Vill. Benabari, P.O. Sugandhya, Dist. Hooghly9231948635 | Potato |
|  | Sankar Mondal | Vill. Benabari, P.O. Sugandhya, Dist. Hooghly9831217643 | Potato |
|  | Sk. Akkas Ali | Vill. Mamudpur, P.O. Mogra, Dist. Hooghly8798164592 | Potato |
|  | Abhisek Halder | Vill. Uttar Simla, P.O. Chinsurah R.S. Dist. Hooghly9681382712 | Papaya |
|  | Amar Ghosh | Vill. Uttar Simla, P.O. Chinsurah R.S. Dist. Hooghly9433330541 | Papaya |
|  | Amar Nath Ghosh | Vill. Uttar Simla, P.O. Chinsurah R.S. Dist. Hooghly9051548868 | Mango |
|  | Amit Ghosh | Vill. Uttar Simla, P.O. Chinsurah R.S. Dist. Hooghly9748363325 | Paddy |
|  | Apurba Bag | Vill. Uttar Simla, P.O. Chinsurah R.S. Dist. Hooghly9836893924 | Mango |
|  | Ashis Ghosh | Vill. Uttar Simla, P.O. Chinsurah R.S. Dist. Hooghly988343909 | Mango |
|  | Basanta Ghosh | Vill. Uttar Simla, P.O. Chinsurah R.S. Dist. Hooghly9831756953 | Mango |
|  | Debu Ghosh | Vill. Uttar Simla, P.O. Chinsurah R.S. Dist. Hooghly9681381922 | Mango |
|  | Krishna Ch. Halder | Vill. Uttar Simla, P.O. Chinsurah R.S. Dist. Hooghly8100412894 | Papaya |
|  | Madan Kr. Ghosh | Vill. Uttar Simla, P.O. Chinsurah R.S. Dist. Hooghly9830859079 | Pea |
|  | Manik Mondal | Vill. Uttar Simla, P.O. Chinsurah R.S. Dist. Hooghly9674346390 | Tomato |
|  | Shyamal Ghosh | Vill. Uttar Simla, P.O. Chinsurah R.S. Dist. Hooghly9432434449 | Pumpkin |
|  | Subir Halder | Vill. Uttar Simla, P.O. Chinsurah R.S. Dist. Hooghly9143381663 | Papaya |
|  | Subrata Ghosh | Vill. Uttar Simla, P.O. Chinsurah R.S. Dist. Hooghly9883297902 | Pea |
|  | Sunil Baskey | Vill. Uttar Simla, P.O. Chinsurah R.S. Dist. Hooghly9163935099 | Paddy |
|  | Pashupati Das | Vill. Benabari, P.O. Sugandhya, Dist. Hooghly9830808303 | Potato |
|  | Partha Pratim Das | Vill. Benabari, P.O. Sugandhya, Dist. Hooghly9433643665 | Potato |
|  | Sunirmal Ghosh | Vill. Benabari, P.O. Sugandhya, Dist. Hooghly9874820204 | Potato |
|  | Mahadeb Neogi | Vill. Benabari, P.O. Sugandhya, Dist. Hooghly9433281695 | Potato |
|  | Subal Mondal | Vill. Benabari, P.O. Sugandhya, Dist. Hooghly8768586074 | Potato |
|  | Krishanu Simali | Vill. + P.O. Dashgorha, Dist. Hooghly9434515888 | Potato |
|  | Ujjal Dey | Vill. Kamalpur, P.O. Kananadi, Dist. Hooghly9434403118 | Potato |
|  | Pranab Pal | Vill. Dasghara, P.O. Dasghara, Dist. Hooghly9732761066 | Potato |
|  | Binayananda Mukhopadhyaya | Vill. Jolekul, P.O. Vastara, Dist. Hooghly8145641240 | Potato |
|  | Nimai Koley | Vill. Kamalpur, P.O. Kananadi, Dist. Hooghly9474861087 | Potato |
|  | Shyamalendu Paul | Vill. Sheora, P.O. Kananadi, Dist. Hooghly7699115091 | Potato |
|  | Biswajit Barik | Vill. Kamalpur, P.O. Kananadi, Dist. Hooghly9564888891 | Potato |
|  | Anil Guchait | Vill. Chamat Palashi, P.O. Palashi, Dist. Hooghly8926348484 | Potato |
|  | Durga Charan Samanta | Vill. Chamat Palashi, P.O. Palashi, Dist. Hooghly9474702389 | Potato |
|  | Kashinath Patra | Vill. Dhamaitikar, P.O. Kananadi, Dist. Hooghly9434622449 | Potato |
|  | Malay Das | Vill. Dhamaitikar, P.O. Kananadi, Dist. Hooghly9732823281 | Potato |
|  | Sanjay Ghosh | Vill. Kakgachi, P.O. Bhanderhati, Dist. Hooghly9474498900 | Potato |
|  | Nilratan Koley | Vill. Deulpara, P.O. Dedhara, Dist. Hooghly8900011191 | Potato |
|  | Mahananda Koley | Vill. Mitrapur, P.O. New Chandapur, Dist. Hooghly9932693196 | Potato |
|  | Sukumar Bag | Vill. Balidanga, P.O. Khanpur, Dist. Hooghly9475046430 | Potato |
|  | Atanu Goswami | Vill. Somospur, P.O. Dhaniakhali, Dist. Hooghly9475872585 | Potato |
|  | Monoranjan Adak | Vill. Deulpara, P.O. Dedhara, Dist. Hooghly9735703871 | Potato |
|  | Madan Ghosh | Vill. + P.O. Dhaniakhali, Dist. Hooghly8100608766 | Potato |
|  | Pradip Koley | Vill. + P.O. Kananadi, Dist. Hooghly8900129012 | Potato |
|  | Kartick Ch. De | Vill. + P.O. Kananadi, Dist. Hooghly8016712448 | Potato |
|  | Joydeb Samanta | Vill. Dasghara, P.O. Dasghara, Dist. Hooghly9093555969 | Potato |
|  | Subrata Pal | Vill. Kakgachi, P.O. Bhanderhati, Dist. Hooghly9474498926 | Potato |
|  | Bibhas Ch. De | Vill. Joyharipur, P.O. Konoibanka, Dist. Hooghly9681053099 | Potato |
|  | Biplab Das | Vill. Joyharipur, P.O. Konoibanka, Dist. Hooghly9564608010 | Potato |
|  | Ashok Sai | Vill. + P.O. Gurap, Dist. Hooghly9474003641 | Potato |
|  | Tarak Nath Gayen | Vill. +P.O. Shyam bazaar Goghat-II, Hooghly 9474143737 | Ber |
|  | Goutam Das | Vill. + P.O. Paniseola, Dist. Hooghly 9474026797 | Potato |
|  | Asoke Kr. Chakraborty | Vill. Balia, P.O. Bahirkhanda, Dist. Hooghly 9800778860 | Paddy |
|  | Rabin Santra | Vill. + P.O. Paniseola, Dist. Hooghly 8016158580 | Paddy |
|  | Kanailal Pakhira | Vill. Sonatikri, P.O. Panisola, Dist. Hooghly 9647426119 | Paddy |
|  | Chandi Charan Santra | Vill. + P.O. Paniseola, Dist. Hooghly 9635987614 | Paddy |
|  | Jadab Santra | Vill. + P.O. Paniseola, Dist. Hooghly8609446148 | Paddy |
|  | Prabodh Dhar | Vill. + P.O. Paniseola, Dist. Hooghly9933158891 | Paddy |
|  | Uttam Das | Vill. + P.O. Paniseola, Dist. Hooghly8016919376 | Paddy |
|  | Gokul Ch. Koley | Vill. + P.O. Paniseola, Dist. Hooghly9593954283 | Paddy |
|  | Srikanta Koley | Vill. + P.O. Paniseola, Dist. Hooghly9609826815 | Paddy |
|  | Gopal Das | Vill. + P.O. Paniseola, Dist. Hooghly9800353780 | Paddy |
|  | Utpal Pakhira | Vill. Sonatikri, P.O. Panisola, Dist. Hooghly9474702607 | Paddy |
|  | Shyamapada Pakhira | Vill. Sonatikri, P.O. Panisola, Dist. Hooghly9474705898 | Paddy |
|  | Alok Santra | Vill. + P.O. Paniseola, Dist. Hooghly8514983726 | Paddy |
|  | Paban Malik | Vill. Sonatikri, P.O. Panisola, Dist. Hooghly8001571740 | Paddy |
|  | Samar Ch. Pakhira | Vill. Sonatikri, P.O. Panisola, Dist. Hooghly9830640686 | Paddy |
|  | Sushanta Kr. Pakhira | Vill. Sonatikri, P.O. Panisola, Dist. Hooghly9474657358 | Paddy |
|  | Tapan Kr. Swar | Vill. + P.O. Paniseola, Dist. Hooghly8001735730 | Paddy |
|  | Chanchal Singha Roy | Vill. Bhagabatipur, P.O. Paniseola, Dist. Hooghly9433733742 | Paddy |
|  | Ranjit Das | Vill. + P.O. Paniseola, Dist. Hooghly9609511186 | Paddy |
|  | Manik Koley | Vill. + P.O. Paniseola, Dist. Hooghly8670550959 | Paddy |
|  | Dibakar Malik | Vill. + P.O. Paniseola, Dist. Hooghly8116520523 | Paddy |
|  | Gadhadar Swar | Vill. + P.O. Paniseola, Dist. Hooghly9002862645 | Paddy |
|  | Debashis Pakhira | Vill. + P.O. Paniseola, Dist. Hooghly9564985871 | Paddy |
|  | Swapan Singha Roy | Vill. + P.O. Paniseola, Dist. Hooghly9933159556 | Paddy |
|  | Bholanath Bag | Vill. Arabindapur, P.O. Jangipara, Dist. Hooghly9933853864 | Paddy |
|  | Ganesh Ghosh | Vill.Bhimpur, P.O. Jangipara, Dist. Hooghly8348612499 | Paddy |
|  | Soumen Pal | Vill. Radhanagar, P.O. Dwarhatta, Dist. Hooghly8539942841 | Jute |
|  | Arun Kr. Pal | Vill. Radhanagar, P.O. Dwarhatta, Dist. Hooghly9641978557 | Jute |
|  | Sagar Pal | Vill. Radhanagar, P.O. Dwarhatta, Dist. Hooghly 9609766803 | Jute |
|  | Sanat Konar | Vill. Radhanagar, P.O. Dwarhatta, Dist. Hooghly9932978615 | Jute |
|  | Ram Prasad Sahu | Vill. Radhanagar, P.O. Dwarhatta, Dist. Hooghly9732812775 | Jute |
|  | Sitaram Karmakar | Vill. + P.O. Nabagram, Dist. Hooghly9564932685 | Potato |
|  | Sambhu Nath Pal | Vill. + P.O. Nabagram, Dist. Hooghly9333331759 | Potato |
|  | Madan Mohan Samanta | Vill. Rahimpur, P.O. Nabagram, Dist. Hooghly9333773239 | Potato |
|  | Dulal Bhowmik | Vill. Rahimpur, P.O. Nabagram, Dist. Hooghly9732796129 | Potato |
|  | Chandra Kanta Nandi | Vill. + P.O. Nabagram, Dist. Hooghly8001735398 | Potato |
|  | Gobinda Panda | Vill. + P.O. Udaypur, Dist. Hooghly7865881727 | Potato |
|  | Rampada Mondal | Vill. Chakrapur, P.O. Khanakul, Dist. Hooghly8926886954 | Potato |
|  | Asit Manna | Vill. Chakrapur, P.O. Khanakul, Dist. Hooghly9775034902 | Potato |
|  | Paresh Manna | Vill. Chakrapur, P.O. Khanakul, Dist. Hooghly8926644266 | Potato |
|  | Asta Pramanik | Vill. Chakrapur, P.O. Khanakul, Dist. Hooghly9735755367 | Potato |
|  | Subhas Manna | Vill. Chakrapur, P.O. Khanakul, Dist. Hooghly9647733065 | Potato |
|  | Shyamal Patra | Vill. + P.O. Udaypur, Dist. Hooghly9474196970 | Potato |
|  | Haladar Das | Vill. Chakrapur, P.O. Khanakul, Dist. Hooghly9732637355 | Potato |
|  | Srikanta Majhi | Vill. + P.O. Udaypur, Dist. Hooghly9732261416 | Potato |
|  | Tapas Samanta | Vill. + P.O. Udaypur, Dist. Hooghly9734553354 | Potato |
|  | Monoj Chakraborty | Vill. Gagharpur, P.O. Khanakul, Dist. Hooghly9734350547 | Potato |
|  | Debashis Thakur | Vill. + P.O. Udaypur, Dist. Hooghly9333421040 | Potato |
|  | Ganesh Samanta | Vill. + P.O. Udaypur, Dist. Hooghly8798379833 | Potato |
|  | Biplab Chakraborty | Vill. Gagharpur, P.O. Khanakul, Dist. Hooghly8609031221 | Groundnut |
|  | Parasanta Majhi | Vill. Chaltapur, P.O. Khanakul, Dist. Hooghly9775067139 | Groundnut |
|  | Kartik Mal | Vill. Chakrapur, P.O. Khanakul, Dist. Hooghly9732666345 | Groundnut |
|  | Haradhan Paramanik | Vill. Chakrapur, P.O. Khanakul, Dist. Hooghly9564867053 | Groundnut |
|  | Bipin Ch. Guchait | Vill. Udna, P.O. Tatisal, Dist. Hooghly9734553140 | Groundnut |
|  | Raj Kumar Ghosh | Vill. Majhpur, P.O. Tatisal, Dist. Hooghly8345819243 | Groundnut |
|  | Niranjan Bera | Vill. Majhpur, P.O. Tatisal, Dist. Hooghly 9775648223 | Groundnut |
|  | Nirmal Kr. Samanta | Vill. Majhpur, P.O. Tatisal, Dist. Hooghly9734875193 | Groundnut |
|  | Sushanta Bera | Vill. Majhpur, P.O. Tatisal, Dist. Hooghly8900448259 | Groundnut |
|  | Arup Adak | Vill. Majhpur, P.O. Tatisal, Dist. Hooghly9734552879 | Groundnut |
|  | Pintu Ghosh | Vill. Majhpur, P.O. Tatisal, Dist. Hooghly8902613336 | Groundnut |
|  | Swarup Ghosh | Vill. Majhpur, P.O. Tatisal, Dist. Hooghly9732562576 | Groundnut |
|  | Partha Sarathi Ghosh | Vill.+ P.O. Talbona, Dist. Hooghly9647952976 | Potato |
|  | Arup Ghosh | Vill.+ P.O. Talbona, Dist. Hooghly9732977280 | Potato |
|  | Totan Ghosh | Vill. Uttarkhanda, P.O. Simlagarh, Dist. Hooghly7586970384 | Potato |
|  | Milon Ghosh | Vill. Uttarkhanda, P.O. Simlagarh, Dist. Hooghly9563443300 | Potato |
|  | Subir Kr. Ghosh | Vill. Uttarkhanda, P.O. Simlagarh, Dist. Hooghly9748259952 | Potato |
|  | Sib Ranjan Hazra | Vill. Uttarkhanda, P.O. Simlagarh, Dist. Hooghly9647520228 | Potato |
|  | Jibon Ghosh | Vill.+ P.O. Talbona, Dist. Hooghly9732570015 | Potato |
|  | Prabhat Kr. Ghosh | Vill. Uttarkhanda, P.O. Simlagarh, Dist. Hooghly9593574991 | Potato |
|  | Palash Purkait | Vill.+ P.O. Talbona, Dist. Hooghly8926785809 | Potato |
|  | Rabin Ghosh | Vill. Uttarkhanda, P.O. Simlagarh, Dist. Hooghly9232611641 | Potato |
|  | Bhusan Ch. Ghosh | Vill. Uttarkhanda, P.O. Simlagarh, Dist. Hooghly9735690122 | Potato |
|  | Ashok Ghosh | Vill. Uttarkhanda, P.O. Simlagarh, Dist. Hooghly9732348423 | Potato |
|  | Rabin Ghosh | Vill. Uttarkhanda, P.O. Simlagarh, Dist. Hooghly9593434892 | Potato |
|  | Hemanta Ghosh | Vill. Uttarkhanda, P.O. Simlagarh, Dist. Hooghly9733025252 | Potato |
|  | Sk. Sirajuddin | Vill. Uttarkhanda, P.O. Simlagarh, Dist. Hooghly9593589559 | Potato |
|  | Arindam Ghosh | Vill. Dighe, P.O. Dwarbasini, Dist. Hooghly9933341821 | Potato |
|  | Babulal Hembram | Vill. Uttarkhanda, P.O. Simlagarh, Dist. Hooghly9093658590 | Potato |
|  | Madan Ch. Ghosh | Vill. Uttarkhanda, P.O. Simlagarh, Dist. Hooghly9674049675 | Potato |
|  | Milon Kr. Ghosh | Vill. Uttarkhanda, P.O. Simlagarh, Dist. Hooghly8436693678 | Potato |
|  | Paban Barik | Vill.+ P.O. Talbona, Dist. Hooghly9732363862 | Potato |
|  | Rokib Mondal | Vill. + P.O. Dwarbasini, Dist. Hooghly9832762422 | Potato |
|  | Sk. Jakir | Vill. Dighe, P.O. Dwarbasini, Dist. Hooghly8001513990 | Potato |
|  | Krishna Ch. Ghosh | Vill. Uttarkhanda, P.O. Simlagarh, Dist. Hooghly9609563123 | Potato |
|  | Bilas Ghosh | Vill. Uttarkhanda, P.O. Simlagarh, Dist. Hooghly9647548892 | Potato |
|  | Ranjan Das | Vill. + P.O. Khanyan, Pandua, Dist. Hooghly9474463989 | Potato |
|  | Sk. Mahaboob Ali | Vill. +P.O. Rajhat, Dist. Hooghly8017790592 | Potato |
|  | Iman Das | Vill. Gandhigram P.O. Rajhat, Dist. Hooghly9903045424 | Potato |
|  | Swapan Kr. Das | Vill. Gandhigram P.O. Rajhat, Dist. Hooghly9051374647 | Potato |
|  | Swapan Koley | Vill. Gandhigram P.O. Rajhat, Dist. Hooghly8017387494 | Potato |
|  | Arindam Mukhopadhyay | Vill. Talchinan, P.O. Puinan, Dist. Hooghly9432653936 | Potato |
|  | Sujit Kr. Malik | Vill. Talchinan, P.O. Puinan, Dist. Hooghly8670125798 | Potato |
|  | Prosenjit Malik | Vill. Talchinan, P.O. Puinan, Dist. Hooghly9547566714 | Potato |
|  | Ranjit Hansda | Vill. Talchinan, P.O. Puinan, Dist. Hooghly9002769576 | Potato |
|  | Naba Kumar Banerjee | Vill. Talchinan, P.O. Puinan, Dist. Hooghly8016290514 | Potato |
|  | Samar Kr. Ghosh | Vill. Digneswar, P.O. Nagbol, Dist. Hooghly9932339910 | Paddy |
|  | Harihar Chakraborty | Vill. Digneswar, P.O. Nagbol, Dist. Hooghly9474400414 | Paddy |
|  | Sk. Saokat Ali | Vill. Digneswar, P.O. Nagbol, Dist. Hooghly9674088178 | Paddy |
|  | Sk. Mustakim Mondal | Vill. Sinet, P.O. Sinet, Dist. Hooghly9800675130 | Paddy |
|  | Musa Mondal | Vill. Sinet, P.O. Sinet, Dist. Hooghly7699884099 | Paddy |
|  | Sankar Mailk | Vill. Monipur, P.O. Akhna, Dist. Hooghly9874835014 | Paddy |
|  | Uttam Adak | Vill. Monipur, P.O. Akhna, Dist. Hooghly7439412749 | Paddy |
|  | Panchu Gopal Malik | Vill. Monipur, P.O. Akhna, Dist. Hooghly8100078513 | Paddy |
|  | Arup Malik | Vill. Monipur, P.O. Akhna, Dist. Hooghly9804434745 | Paddy |
|  | Indrajit Adak | Vill. Monipur, P.O. Akhna, Dist. Hooghly8116835543 | Paddy |
|  | Suprabhat Das | Vill. + P.O. Akhna, Dist. Hooghly8981289576 | Paddy |
|  | Debjit Patra | Vill. Arenga, P.O. Khalisani, Dist. Hooghly9433404023 | Paddy |
|  | Ashis Kr. Mondal | Vill. Rajhat, P.O. Polba, Dist. Hooghly9433327104 | Paddy |
|  | Arup Koley | Vill. + P.O. Kamdebpur, Dist. Hooghly9143118544 | Paddy |
|  | Ujjal Sorkhel | Vill. Dubirberi, P.O. Aricha, Dist. Hooghly9051965142 | Paddy |
|  | Narayan Ghosh | Vill. Haral Srirampur, Dist. Hooghly9775067480 | Paddy |
|  | Sanatan Maity | Vill. Balidhipa, P.O. Nowpara, Dist. Hooghly9874331032 | Paddy |
|  | Monoj Maity | Vill. Balidhipa, P.O. Nowpara, Dist. Hooghly8013860395 | Paddy |
|  | Suvas De | Vill. Balidhipa, P.O. Khalisani, Dist. Hooghly9051996523 | Paddy |
|  | Dilip Kr. Jana | Vill. Balidhipa, P.O. Khalisani, Dist. Hooghly9433956481 | Paddy |
|  | Uttam Das | Vill. Balidhipa, P.O. Khalisani, Dist. Hooghly9051375270 | Paddy |
|  | Hari Pada Mondal | Vill. + P.O. Ananda Nagar, Dist. Hooghly9874045598 | Potato |
|  | Tapas Adhikary | Vill. + P.O. Ananda Nagar, Dist. Hooghly9836185168 | Potato |
|  | Bhuban Jana | Vill. + P.O. Ananda Nagar, Dist. Hooghly9674111015 | Potato |
|  | Ganesh Kar | Vill. Balidhipa, P.O. Nowpara, Dist. Hooghly9433922209 | Potato |
|  | Ashis Malik | Vill. Balidhipa, P.O. Nowpara, Dist. Hooghly9874541641 | Potato |
|  | Ananda Maity | Vill. Balidhipa, P.O. Nowpara, Dist. Hooghly9874775136 | Potato |
|  | Dhirendra Nath Mondal | Vill. Balidhipa, P.O. Nowpara, Dist. Hooghly8017478398 | Potato |
|  | Kartik Ch. Malik | Vill. Balidhipa, P.O. Nowpara, Dist. Hooghly9874541641 | Potato |
|  | Kumaresh Baital | Vill. Balidhipa, P.O. Nowpara, Dist. Hooghly9231032177 | Potato |
|  | Mainak Mukherjee | Vill. Balidhipa, P.O. Nowpara, Dist. Hooghly9903144808 | Potato |
|  | Monoranjan Murmu | Vill. Balidhipa, P.O. Nowpara, Dist. Hooghly9836076367 | Potato |
|  | Paresh Maity | Vill. Balidhipa, P.O. Nowpara, Dist. Hooghly8420453739 | Potato |
|  | Subhas Kar | Vill. Balidhipa, P.O. Nowpara, Dist. Hooghly8961951613 | Potato |
|  | Sanatan Koley | Vill. Balidhipa, P.O. Nowpara, Dist. Hooghly8013211114 | Potato |
|  | Sushil Santra | Khanpukur, P.O. Hrishnagar, Dist Hooghly9433590526 | Potato |
|  | Somnath Patra | Khanpukur, P.O. Hrishnagar, Dist Hooghly9477067003 | Potato |
|  | Prafulla Dutta | Vill. + P.O. Mallickpara, Dist. Hooghly9330965120 | Potato |
|  | Ajit Kr. Ghanti | Vill. Naskarpur, P.O. Keshabchak, Dist. Hooghly9434405897 | Groundnut |
|  | Saroj Kr. Ghanti | Vill. Naskarpur, P.O. Keshabchak, Dist. Hooghly9775075507 | Groundnut |
|  | Nirmal Kr. Das | Vill. Naskarpur, P.O. Champadanga, Dist. Hooghly9932523990 | Groundnut |
|  | Sanat Kr. Samanta | Vill. Naskarpur, P.O. Keshabchak, Dist. Hooghly7602483628 | Groundnut |
|  | Anup Kr. Samanta | Vill. Naskarpur, P.O. Keshabchak, Dist. Hooghly9775218299 | Groundnut |
|  | Biswajit Samanta | Vill. Naskarpur, P.O. Keshabchak, Dist. Hooghly9732568254 | Groundnut |
|  | Shyamal Khanra | Vill. Astara, P.O. Astara, Dist. Hooghly9735318456 | Groundnut |
|  | Asit Samanta | Vill. Naskarpur, P.O. Champadanga, Dist. Hooghly9475164495 | Groundnut |
|  | Subrata De | Vill. + P.O. Talpur, Dist. Hooghly9647997318 | Groundnut |
|  | Akshay De | Vill. + P.O. Talpur, Dist. Hooghly8145427007 | Groundnut |
|  | Sujit Ghanti | Vill. Naskarpur, P.O. Keshabchak, Dist. Hooghly9836302093 | Groundnut |
|  | Dipankar Das | Vill. Naskarpur, P.O. Keshabchak, Dist. Hooghly9476226529 | Groundnut |
|  | Ananda Mohan Koley | Vill.+ P.O. Kanaria, Dist. Hooghly9933151346 | Potato |
|  | Sagar Mondal | Vill.+ P.O. Kanaria, Dist. Hooghly9434618594 | Jute |
|  | Samir Das | Vill.+ P.O. Kanaria, Dist. Hooghly9832270820 | Paddy |
|  | Mrinmay Hati | Vill.+ P.O. Kanaria, Dist. Hooghly9734076650 | Jute |
|  | Malay Nath Kongar | Vill.+ P.O. Kanaria, Dist. Hooghly8900452580 | Jute |
|  | Prasanta Hazrea | Vill.+ P.O. Kanaria, Dist. Hooghly9474361468 | Jute |
|  | Mahadeb Jana | Vill.+ P.O. Kanaria, Dist. Hooghly9093525584 | Paddy |
|  | Shyam Sundar Jash | Vill.+ P.O. Kanaria, Dist. Hooghly8001537015 | Jute |
|  | Ram Prasad Gupta | Vill.+ P.O. Kanaria, Dist. Hooghly9434898092 | Jute |
|  | Naba Kumar Pramanik | Vill.+ P.O. Kanaria, Dist. Hooghly9434642597 | Potato |
|  | Swapan Bahadur | Vill.+ P.O. Kanaria, Dist. Hooghly8145472694 | Jute |
|  | Laxmon Ch. Bahadur | Vill.+ P.O. Kanaria, Dist. Hooghly8143553694 | Jute |
|  | Nakul Mondal | Vill.+ P.O. Kanaria, Dist. Hooghly9531584225 | Potato |
|  | Sudhir Ruidas | Vill. Khirkundi, P.O. Pandua, Dist. Hooghly 6296426906 | Mushroom |

**9.13. Revenue generation**

| **SL.No.** | **Name of Head** | **Income (Rs.)** | **Sponsoring Agency** |
| --- | --- | --- | --- |
| 1. | Hostel Seat Rent | 46,940.00 | ADA Santipur, ADA Kumargram, ADAMadariahat-Birpara, ADA Alipurduar, ADA Tehatta, ATMA Hooghly Govt. of WB. |
| 2. | Institutional Charge | 50,000.00 | ATMA, Hooghly |
| 3. | Monitoring, Hall Rent & Enrollment | 1,70,000.00 | DAESI Programme |

**9.14. Resource Generation:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the programme** | **Purpose of the programme** | **Sources of fund** | **Amount**  **(Rs. lakhs)** | **Infrastructure created** |
| 1. | ATMA Research | Research Work | ATMA | 5,00,000.00 | Repairing & renovation of exiting Poly House |
| 2. | Farmers’ Scientist interaction under ATMA | Training | ATMA | 40,000.00 | — |
| 3. | STRY | Training | SAMETI | 42,000.00 | — |
| 4. | ATMA ATM/BTM Training | Training | ATMA | 1,44,000.00 | — |
| 5. | Diploma in Agricultural Extension Services for Input Dealers | Diploma Course | MANAGE | 16,00,000.00 | — |

**9.15. Performance of Automatic Weather Station in KVK**

|  |  |  |
| --- | --- | --- |
| **Date of establishment** | **Source of funding i.e. IMD/ICAR/Others (pl. specify)** | **Present status of functioning** |
| 18.08.2010 | IMD(Pune) | Running |

**9.16. Contingent crop planning**: Not applicable

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Name of the state** | **Name of district/KVK** | **Thematic area** | **Number of programmes organized** | **Number of Farmers contacted** | **A brief about contingent plan executed by the KVK** |
|  |  |  |  |  |  |

**10. Report on Cereal Systems Initiative for South Asia (CSISA)**

1. **Year:** 2018-19

**Introduction / General Information:**

i) Landscape diagnostic survey: Total 30 nos. of village completed

ii) Crop Cutting: Total 25 nos. of village completed

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Title** | **Objective** | **Treatment details** | **Date of sowing** | **Replication** | **Result with photographs** |
| Experiment 1 |  |  |  |  |  |  |
| Experiment 2 |  |  |  |  |  |  |
| Experiment 3 |  |  |  |  |  |  |
| … |  |  |  |  |  |  |
| .. |  |  |  |  |  |  |
| Others (If any) |  |  |  |  |  |  |

**11. Details of TSP:** Not Applicable

1. **Achievements of physical output under TSP during 2018-19**

|  |  |
| --- | --- |
| **Programmes** | **Physical achievements** |
| Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.) |  |
| On-farm trials (Number) |  |
| Frontline demonstrations (Number) |  |
| Farmers training (in lakh) |  |
| Extension personnel training (in lakh) |  |
| Participants in extension activities (in lakh) |  |
| Seed production (in tonnes) |  |
| Planting material production (in lakh) |  |
| Livestock strains and fingerlings production (in lakh) |  |
| Soil, water, plant, manures samples testing (in lakh) |  |
| Provision of mobile agro – advisory to farmers (in lakh) |  |
| No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.) |  |

1. **Fund received under TSP in 2018-19 (Rs. In lakh):** Nil
2. **Achievements of physical outcome under TSP during 2018-19**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Description** | **Unit** | **Achievements** |
| 1 | Change in family income | % |  |
| 2 | Change in family consumption level | % |  |
| 3 | Change in availability of agricultural implements/ tools etc. | No. per household |  |

1. **Location and Beneficiary Details during 2018-19**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| ***District*** | ***Sub-district*** | ***No. of Village covered*** | ***Name of village(s) covered*** | ***ST population benefitted (No.)*** | | |
| M | F | T |
|  |  |  |  |  |  |  |

**12. Progress report of NICRA KVK (Technology Demonstration component) during the period**

**(Applicable for KVKs identified under NICRA): Not Applicable**

**Natural Resource Management**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name of intervention undertaken** | **Numbers under taken** | **No of units** | **Area (ha)** | **No of farmers covered / benefitted** | | | | | | | | **Remarks** |
|  |  |  |  | **SC** | | **ST** | | **Other** | | **Total** | |  |
|  |  |  |  | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

**Crop Management**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name of intervention undertaken** | **Area (ha)** | **No of farmers covered / benefitted** | | | | | | | | | | **Remarks** |
|  |  | **SC** | | **ST** | | | **Other** | | **Total** | | |  |
|  |  | **M** | **F** | | **M** | **F** | **M** | **F** | **M** | **F** | **T** |  |
|  |  |  |  | |  |  |  |  |  |  |  |  |

**Livestock and fisheries**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name of intervention undertaken** | **Number of animals covered** | **No of units** | **Area (ha)** | **No of farmers covered / benefitted** | | | | | | | | | | **Remarks** |
|  |  |  |  | **SC** | | **ST** | | | **Other** | | **Total** | | |  |
|  |  |  |  | **M** | **F** | | **M** | **F** | **M** | **F** | **M** | **F** | **T** |  |
|  |  |  |  |  |  | |  |  |  |  |  |  |  |  |

**Institutional interventions**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name of intervention undertaken** | **No of units** | **Area (ha)** | **No of farmers covered / benefitted** | | | | | | | | | | **Remarks** |
|  |  |  | **SC** | | **ST** | | | **Other** | | **Total** | | |  |
|  |  |  | **M** | **F** | | **M** | **F** | **M** | **F** | **M** | **F** | **T** |  |
|  |  |  |  |  | |  |  |  |  |  |  |  |  |

**Capacity building**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic area** | **No of Courses** | **No of beneficiaries** | | | | | | | | | |
|  |  | **SC** | **ST** | | | **Other** | | | **Total** | | |
|  |  | **M** | **F** | **M** | **F** | | **M** | **F** | **M** | **F** | **T** |
|  |  |  |  |  |  | |  |  |  |  |  |

**Extension activities**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic area** | **No of activities** | **No of beneficiaries** | | | | | | | | | |
|  |  | **SC** | **ST** | | | **Other** | | | **Total** | | |
|  |  | **M** | **F** | **M** | **F** | | **M** | **F** | **M** | **F** | **T** |
|  |  |  |  |  |  | |  |  |  |  |  |

**Detailed report should be provided in the circulated Performa**

**13. Awards/Recognition received by the KVK:** Not Applicable

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the Award** | **Year** | **Conferring Authority** | **Amount** | **Purpose** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**Award received by Farmers from the KVK district**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the Award** | **Name of the Farmer** | **Year** | **Conferring Authority** | **Amount** | **Purpose** |
|  | Krishak Samman | Laxmikanta Nandi | 2018 | Govt. of West Bengal | 2000 | Fish Production |
|  | Krishak Ratna | Sanjoy Kumar Ghosh | 2018 | Govt. of West Bengal | 10000 | Agriculture |
|  | Krishak Ratna | Jagannath Pal | 2018 | Govt. of West Bengal | 15000 | Agriculture |
|  | Krishak Samman | Annapurna Pathak | 2018 | Govt. of West Bengal | 10000 | Animal Husbandry |
|  | Krishak Samman | Alok Das | 2018 | Govt. of West Bengal | 10000 | Agriculture |

**14.** Any significant achievement of the KVK with facts and figures as well as quality photograph

**15. Number of commodity based organizations/ farmers’ cooperative society/ FPO formed/   
 associated with during last one year (Details of the group/society may be indicated)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the organization/ Society** | **Trust Deed No.& date** | **Date of Trust Registration**  **Address** | **Proposed Activity** | **Commodity Identified** | **No. of Members** | **Financial position**  **(Rupees in lakh)** | **Success indicator** |
|  | Ramkrishna Vivekananda Trust | \_ | 21.07.2015  Vill.-Harinakhali, Block-Pursurah, , Dist.- Hooghly, Pin-712414 | Seed production of different crops, CFLD, FLDs conducted by KVK, Selling of Seeds, Social Activities | Potato seed, groundnut seed | 150 | 3.00 | 1. Financial Profit 2. Increase in no. of member 3. Profit sharing |
|  | Pursurah Agriculture producer Company | U01110WB2018PTC225153  15.03.2018 | 15.03.2018  Vill.-Kulbatpur, P.O. Kulbatpur,  Dist.- Hooghly,  West Bengal PIN: 712414 | Seed production of different crops, CFLD, FLDs conducted by KVK, Selling of Seeds, Social Activities | Potato seed, groundnut seed | 520 | 3.00 | 1. Financial Profit 2. Increase in no. of member 3. Profit sharing |
|  | Hooghly Vegetable Growers Producer company Limited | U01403WB 2012PTC 189446  20.12.2012 | 20.12.2012  Vill.-Beleswar, Block-Balagarh, Dist.- Hooghly,  Pin-712501 | Seed, Fertilizer & Pesticide business, Seed production of different crops, CFLD, FLDs, OFT conducted by KVK, Social Activities | Potato, Potato seed, paddy, paddy seed, Vegetable, cucumber seed, onion , onion seed, fertilizer, pesticide | 1124 | 32.00 | 1. Financial Profit 2. Increase in no. of member 3. Dividend distribution |
|  | Inchura Agro Producer Company Limited | U01403WB2014PTC 202989  11.08.2014 | 11.08.2014  Vill.-Inchura, Block-Balagarh,  , Dist.- Hooghly, pin-712123 | Seed production of different crops, CFLD, FLDs, OFT conducted by KVK, Social Activities | Potato, Potato seed, paddy, paddy seed, Vegetable, onion, onion seed, | 1,000 | 8.00 | 1. Financial Profit 2. Increase in no. of member 3. Dividend distribution |
|  | Bengal Agri Trust | 2580, IV 140.  19th March, 2015 | 19.03.2015 Vill. +P.O.-Dashgarah, Block-Dhaniakhali, Dist.- Hooghly,  Pin- 712402 | Seed & planting material production & business, Cultivation of different vegetable crops, CFLD, FLDs conducted by KVK, Social Activities | Potato, Potato seed, paddy, paddy seed | 504 | 1.98 | 1. Financial Profit 2. Increase in no. of member 3. Profit sharing |
|  | Hooghly Krishak Agro Producer Company Limited | U01400WB 2015 PTC 208547  24.11.2015 | 24.11.2015  Vill.-Balaobandh,  P.O.-Haripal, Dist.- Hooghly,  Pin- 712407 | Cultivation of different oil seed & vegetable crops, CFLD conducted by KVK. | - | 550 | 6.0 | 1. Financial Profit 2. Increase in no. of member 3. Profit sharing |
| 1. 7 | Agomoni Agri Trust | IV190307584  23.12.2016 | 23.12.2016  Vill.-Paniseola  P.O. Paniseola  P.S.-Haripal,  Dist.- Hooghly,  Pin- 712405 | Seed production of different crops, CFLD, FLDs, OFT conducted by KVK, Social Activities | Potato, Potato seed, paddy, paddy seed, Vegetable | 400 | 2.0 | 1. Financial Profit 2. Increase in no. of member 3. Profit sharing |

1. **Integrated Farming System (IFS): Details of KVK Demo. Unit**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Module details (Component-wise)** | **Area under IFS (ha)** | **Production (Commodity-wise)** | **Cost of production in Rs. (Component-wise)** | **Value realized in Rs. (Commodity-wise)** | **No. of farmer adopted practicing IFS** | **% Change in adoption during the year** |
|  | Cow | 0.00825 | 1870.50 lit | 44,600.00 | 56,114.00 |  |  |
|  | Goatery | 13 nos. | 1,500.00 | Yet to be sold |  |  |
|  | Poultry | 3 nos. | 9,000.00 | 1,300.00 |  |  |
|  | Fishery | 0.133 | 40 kg | 2,500.00 | 4,000.00 |  |  |
| **Total** | | | | **57,600.00** | **61,414.00** | **5** | **40** |

1. **Technologies for Doubling Farmers' Income**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the Technology** | **Brief Details of Technology (3- 5 bullet points)** | **Net Return to the farmer (Rs.) per ha per year due to the technology** | **No. of farmers adopted the technology in the district** | **One high resolution ‘Photo’ in ‘jpg’ format for each technology** |
| 1. | Strawberry Cultivation | * Variety: Sweet Charley * Planted under poly Mulching * Using organic Manures & Micronutrients * Spray Propineb @ 3g per litre | 2,55,000.00 | 5 | G:\Report\Selected Photo(2018-19)\ATMA Research\IMG_20190211_113601__01.jpg  G:\Report\Selected Photo(2018-19)\ATMA Research\IMG_20190202_133009__01__01.jpg |
| 2. | Capsicum Cultivation | * Variety: Asha * Planted under poly Mulching   Application of tracel-2 @ 2.5g/litre before flowering + Application of Planofix (4.5% NAA) @ 1ml/ 5 litre at full bloom stage.   * Spray NSKE 0.5% alternate with Thiomethoxam 0.2g/litre of water | 3,42,000.00 | 50 | C:\Users\USER\Desktop\Image 2019-05-22 at 4.42.27 PM.jpg  C:\Users\USER\Desktop\Image 2019-05-22 at 4.43.50 PM.jpg |
| 3. | Application of Ethrel in Cucumber for increasing production | * Ethrel should be sprayed at 2-4 leaf stage @150 ppm * It should be repeated at 7 days later. * It will increase female flower production with some earliness * No. of fruits per plant will be increased. | Rs. 2,04,200.00 | 1200 | G:\FLD\Cucumber\DSC07041.JPG |
| 4. | Cultivation of Improved variety (Arka Samrat) of Tomato in late season | * Arka Samrat is a high yielding tomato variety developed by IIHR * In late season it can yield 50-60 t/ha * This variety having triple disease resistant * The shelf life of fruits is also good which suite long distance transport. | Rs. 2,05,000.00 | 300 | G:\FLD\Tomato\Tm-1.jpg |
| 5. | Use of zinc and boron for seed production | * 2 foliar spray of ZnSO4 @ 2gm/lit, at 30 & 45 DAP * Add lime in ZnSO4 solution @ 1gm/lit * 2 foliar spray of Borax 2gm/lit, at 55 and 70 DAP | Rs. 504000 | 350 | C:\Users\USER\Desktop\Zonal Workshop 2018-19\NIKHIL Annual report photo18-19\FLD on onion Zn & Bo\IMG_20180322_121802680.jpg |

1. **Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Database prepared/ covered for** | | **KVK level Committee** | | **Various activity conducted for farmers** |
| **Phase** | **Total no. of villages** | **Total no. of farmers** | **Date of formation** | **Name of members** |
| I (up-to 15.03.2018) | 19310 | 3670 |  |  | Training  OFT  FLD  Seed production |
| II (up-to 24.04.218) |  | 12421 |
| III (upto 10.05.2018) |  | 908 |
| Total |  | 16999 |

1. **Information on Visit of Ministers to KVKs, if any**

| **Date of Visit** | **Name of Hon’ble Minister** | **Name of Ministry** | **Salient points in his/ her observation**  **(2-3 bulleted points)** |
| --- | --- | --- | --- |
| 23.02.19 | Shri Tapan Dasgupta | MIC, Deptt. of Agricultural Marketing, Govt. of West Bengal | Encourage for the different activities of KVK |

1. **a) Information on ASCI Skill Development Training Programme, if undertaken during 2017-18 and 2018-19**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Year** | **Name of the Job role** | **Name of the certified Trainer of KVK for the Job role** | **Date of start of training** | **Date of completion of training** | **No. of participants** | **Whether uploaded to SDMS Portal (Y/N)** | **Fund utilized for the training (Rs.)** |
| 2016-17 | - | - | - | - | - | - | - |
| 2017-18 | - | - | - | - | - | - | - |
| 2018-19 | Vermicompost Producer | Dr. Kironmay Barui | 07.01.19 | 31.03.19 | 20 | Y | 1,65,200.00 |
| Quality seed grower | Dr. Nikhil Gayen | 07.01.19 | 31.03.19 | 20 | Y | 1,65,200.00 |

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2018-19

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic area of training** | **Title of the training** | **Duration (in hrs.)** | **No. of participants** | | | | | | | | | | | | **Fund utilized for the training (Rs.)** |
| **SC** | | **ST** | | | **Other** | | | **Total** | | | |
| **M** | **F** | | **M** | **F** | | **M** | **F** | | **M** | **F** | **T** |
| Vermicompost and Mushroom production | Vermicompost and Mushroom production technology | 56 | 4 | 0 | | 0 | 0 | | 10 | 1 | | 14 | 1 | 15 | 42,000.00 |

1. **Information on NARI Project (if applicable) : Not Applicable**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name of Nodal Officer** | **No. of OFT on specified aspects** | **Title(s) of OFT** | **No. of FLD on specified aspects** | **No. of capacity development programme on specified aspects** | **Total no. of farm women/ girls involved in the project** | **Details of Issues related to gender mainstreaming addressed through the project** |
|  |  |  |  |  |  |  |

1. **Information on Krishi Kalyan Abhiyan Phase- I/ Phase-II/ Phase-III, if applicable**

***Krishi Kalyan Abhiyan- I and II***

1. **Training**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Name of programme*** | ***No. of programmes*** | ***No. of farmers benefitted*** | | | | | | | | | ***No. of officials attended the programme*** |
| ***SC*** | | ***ST*** | | ***Others*** | | ***Total*** | | |
| ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | ***T*** |
| **KKA-I** |  |  |  |  |  |  |  |  |  |  |  |
| **KKA-II** |  |  |  |  |  |  |  |  |  |  |  |

**Distribution of seed/ planting materials/ input/ others**

| ***Name of programme*** | ***No. of Programme*** | ***Total quantity distributed*** | | | | ***No. of farmers benefited*** | | | | | | | | | | ***No. of other officials (except KVK)***  ***attended the programme*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Seed (q)*** | ***Planting material (lakh)*** | ***Input (kg)*** | ***Other (kg/ No.)*** | ***SC*** | | ***ST*** | | ***Others*** | | ***Total*** | | |  | |
| ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | ***T*** |
| **KKA-I** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| **KKA-II** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |

1. **Livestock and Fishery related activities**

| ***Name of programme*** | ***No. of Programme*** | ***Activities performed*** | | | | ***No. of farmers benefited*** | | | | | | | | | ***No. of other officials (except VK)***  ***attended the programme*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***No. of animals vaccinated*** | ***No. of animals dewormed*** | ***Feed/ nutrient supplements provided (kg)*** | ***Any other (Distribution of animals/ birds/ fingerlings)***  ***[No.]*** | ***SC*** | | ***ST*** | | ***Others*** | | ***Total*** | | |
| ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | ***T*** |
| **KKA-I** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **KKA-II** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. **Other activities**

| ***Name of programme*** | ***Activities*** | ***No. of farmers benefited*** | | | | | | | | | ***No. of other officials (except KVK)***  ***attended the programme*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***SC*** | | ***ST*** | | ***Others*** | | ***Total*** | | |
| ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | T |
| KKA-I | Soil Health Card Distributed |  |  |  |  |  |  |  |  |  |  |
| NADEP  Pit established |  |  |  |  |  |  |  |  |  |  |
| Farm implements distributed |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  |  |  |  |  |
| KKA-II | Soil Health Card Distributed |  |  |  |  |  |  |  |  |  |  |
| NADEP  Pit established |  |  |  |  |  |  |  |  |  |  |
| Farm implements distributed |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  |  |  |  |  |

***Krishi Kalyan Abhiyan- III***

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***No. of villages covered*** | ***No. of animal inseminated*** | ***No. of farmers benefitted*** | | | | | | | | | ***Any other, if any***  ***(pl. specify)*** |
| ***SC*** | | ***ST*** | | ***Others*** | | ***Total*** | | |
| ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | T |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

1. **Any other programme organized by KVK, not covered above**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Name of the programme** | **Date of the programme** | **Venue** | **Purpose** | **No. of participants** |
|  | Diploma in Agricultural Extension Services for Input Dealers (DAESI) | 11.12.2018 onwads | Hooghly KVK | Diploma Course | 80 |
|  | FLD on Improved Rice Varieties under NFSM | Kharif  2018-19 | Balagarh Block | FLD | 18 |
|  | Front line demonstration programme under NFSM (OS&OP) | November, 2018 | Hooghly KVK | FLD | 614 |
|  | Varietal performance of potato under the supervision of AICRP on Potato | November, 2018 | Hooghly KVK | FLD | 3 |

1. **Good quality action photographs of overall achievements of KVK during the year (best 10): Annexed**

**Date:** 08.06.2019 ……….……………..……………………

Senior Scientist & Head

Hooghly Krishi Vigyan Kendra

BCKV-ICAR

Chinsurah, Hooghly