ANNUAL PROGRESS REPORT 2016-17



Krishi Vigyan Kendra, Jorhat Assam Agricultural University Teok-785112



PROFORMA FOR ANNUAL REPORT OF KVKS, 2016-17

<u>1. GENERAL INFORMATION ABOUT THE KVK</u>

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

| Address | Telephone | | E mail |
|----------------------------------|-----------|-----|----------------------|
| Krishi Vigyan Kendra | Office | FAX | kvk_jorhat@aau.ac.in |
| Assam Agricultural University | | | |
| Kaliapani, Jorhat (Assam)-785112 | | | |

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

| Address | Telephone | | E mail |
|--------------------------------|-----------|-----|---------------|
| | Office | FAX | |
| Assam Agricultural University, | | | dee@aau.ac.in |
| Jorhat, Assam-13 | | | |

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

| Name | Telephone / Contact | | | | | |
|---------------------|---------------------|------------|----------------------------|--|--|--|
| | Residence | Mobile | Email | | | |
| Dr. Rupam Borgohain | | 9435352939 | borgohainrupam@yahoo.co.in | | | |

1.4. Year of sanction: 2006

1.5. Staff Position (As on 31st March, 2017)

| Sl. | Sanctioned post | Name of the | Designation | Discipline | Pay Scale | Present | Date of | Permanent | Category |
|-----|-----------------|---------------------|-----------------|----------------|----------------|----------------|------------|------------|----------|
| No. | | incumbent | | | (Rs.) | basic | joining | /Temporary | (SC/ST/ |
| | | | | | | (Rs.) | | | OBC/ |
| | | | | | | | | | Others) |
| 1 | Programme | Dr. Rupam | PC | Plant Breeding | 37400 - | 70780 | 24.12.2009 | Permanent | OBC |
| | Coordinator | Borgohain | | and Genetics | 67000 (GP- | | | | |
| | | | | | 10000) | | | | |
| 2 | Subject Matter | Ms. Mousumi | SMS | Entomology | 15600- | 26590 | 25.11.2009 | Permanent | OBC |
| | Specialist | Phukon | | | 39000 (GP- | | | | |
| | | | | | 6000) | | | | |
| 3 | Subject Matter | Ms. Ira Sarma | SMS | Horticulture | 15600 - | 25050 | 05.08.2011 | Permanent | Others |
| | Specialist | | | | 39000 (GP- | | | | |
| | | | | | 6000) | | | | |
| 4 | Subject Matter | Mr. Sanjib Ranjan | SMS | Soil Science | 15600 - | 36250 | 25.08.2011 | Permanent | OBC |
| | Specialist | Borah | | | 39000 (GP- | | | | |
| | | | | | 7000) | | | | |
| 5 | Subject Matter | Ms. Binapani Deka | SMS | Home Science | 15600 - | 22280 | 04.02.2014 | Permanent | Others |
| | Specialist | | | | 39000 (GP- | | | | |
| | | | | | 5400) | | | | |
| 6 | Subject Matter | Mr. Sameeron | SMS | Agronomy | 15600 - | 22280 | 28.01.2014 | Permanent | Others |
| | Specialist | Bhattacharjya | | | 39000 (GP- | | | | |
| | | | | | 5400) | | | | |
| 7 | Subject Matter | Dr. Ilakshy Deka | SMS | Animal science | 15600 - | 21630 | 14.10.2015 | Permanent | Others |
| | Specialist | | | | 39000 (GP- | | | | |
| | | | | | 5400) | | | | |
| 8 | Computer | Mr. Rupjyoti Chutia | Prog. Assistant | Computer | 8000 - | 14980 | 03.09.2011 | Permanent | Others |
| | Programmer | | (Computer) | Application | 35000 (GP- | | | | |
| | | | | | 4900) | | | | |
| 9 | Farm Manager | Mr. Ramen Kalita | Farm Manager | Agriculture | 8000 - | 13690 | 11.10.2014 | Permanent | OBC |
| | | | | | 35000 (GP- | | | | |
| | | | | | 4900) | | | | |

| 10 | Accountant / | Mr. Jadumoni Borah | Accountant cum | NA | 8000 - | 14540 | 24.02.2012 | Permanent | SC |
|----|------------------|--------------------|------------------|----|------------|-------|------------|-----------|--------|
| | Superintendent | | Office | | 35000 (GP- | | | | |
| | | | Superintendent | | 4900) | | | | |
| 11 | Stenographer | Mr. Biman Jyoti | Stenographer cum | NA | 5200 - | 11220 | 18.02.2012 | Permanent | OBC |
| | | Phukan | Computer | | 20200 (GP- | | | | |
| | | | Operator | | 3300) | | | | |
| 12 | Driver | Mr. Pankaj Borah | Driver | NA | 5200- | 9390 | 21.02.2012 | Permanent | OBC |
| | | | | | 20200 (GP- | | | | |
| | | | | | 2500) | | | | |
| 13 | Driver | Mr. Diganta Gogoi | Driver | NA | 5200- | 7400 | 25.11.2016 | Permanent | OBC |
| | | | | | 20200 (GP- | | | | |
| | | | | | 2500) | | | | |
| 14 | Supporting staff | Mr. Krishna Sarma | Peon | NA | 5200- | 11540 | 03.05.2000 | Permanent | Others |
| | | | | | 20200 (GP- | | | | |
| | | | | | 2200) | | | | |
| | Total | | | | | | | | |

| 1.6. | a. Total land with KVK (in ha) | : 11.93 ha |
|------|--------------------------------|------------|
| | | 0.40 |

b. Total cultivable land with KVK (in ha) : 8.43

| c. Total cultivated land (in ha) | : 5.30 |
|----------------------------------|--------|
| | |

| S. No. | Item | Area (ha) |
|--------|--|-------------|
| 1 | Under Buildings (Administrative building+ Farmers' Hostel+ | 1.20 |
| | Staff Quarters) | |
| 2. | Under Demonstration Units | 1.00 (RKVY) |
| 3. | Under Crops (Cereals, pulses, oilseeds etc.) | 5.04 |
| 4. | Under vegetables | 0.26 |
| 5. | Orchard/Agro-forestry | 2.13 |
| 6. | Others (specify) | 2.30 |

1.7. Infrastructural Development:

A) Buildings

| S. | Name of | Source | Stage | | | | | |
|-----|---|-----------|--------------------|--------------------------|---|------------------|--------------------------|------------------------|
| No. | building | of | | : | | Incomp | lete | |
| | | funding | Completion Date | Plinth area (Sq.m) | Expenditure (Rs.) | Starting Date | Plinth area (Sq.m) | Status of construction |
| 1. | Administrative Building | ICAR | 30.09.2009 | 547 .00 | 42,33,000.00 | - | - | - |
| 2. | Farmers Hostel | ICAR | 10-2-2012 | 311.50 | 17,12,249.00 (Total value 24 lakhs) | - | - | - |
| 3. | Staff Quarters (6nos) | - | - | - | - | - | - | - |
| | a. PC quarter (1no) | ICAR | 30.09.09 | 108.47 | 8,24,177 | - | - | - |
| | b. SMS quarters (2nos) | ICAR | 06.03.09 | 76.65 x 2 | 11,83,565 | - | - | - |
| | c. Farm manager & PA quarter (2nos) | ICAR | 30.09.09 | 96.90 | 7,73,824 | - | - | - |
| | d. Supporting Staff quarters (1no) | ICAR | 06.05.09 | 37.80 | 3,14,300 | - | - | - |
| 4. | Demonst | ration Un | its (15) | | | | | |
| | 1. Cattle shed | RKVY | 2010 | 36.45 | 2,33,972.00 | - | - | - |
| | 2. Vermicompost unit | RKVY | 2010 | 46.80 | 1,41,774.00 | - | - | - |
| | 3. Mushroom Unit | RKVY | 2010 | 27.00 | 1,99,515.00 | - | - | - |
| | 4. Poultry Shed | RKVY | 2011 | 44.40 | 3,41,368.00 | - | - | - |
| | 5. Goattery unit | RKVY | 2011 | 34.20 | 2,49,305.00 | - | - | - |
| | 6. Implement shed | RKVY | 2010 | 170.00 | 9,40,866.00 | - | - | - |
| | 7. Piggery unit | RKVY | 2010 | 41.04 | 2,80,000.00 | - | - | - |

| | 8. Dem - | RKVY | 2011 | 93.50 | 7,74,700.00 | - | - | - |
|---|-----------------|------|------|---------|-------------|---|---|---|
| | Display unit | | | | | | | |
| | 9. Fertilizer | RKVY | 2011 | 22.79 | 1,63,000.00 | - | - | - |
| | godown | | | | | | | |
| | 10. Rice- Fish- | RKVY | 2011 | 5332 | 2,00,000.00 | - | - | - |
| | Vegetable Unit | | | (4 | | | | |
| | | | | bighas) | | | | |
| | 11. Fish pond | RKVY | 2010 | 50m x | 68,533.00 | - | - | - |
| | | | | 20m | | | | |
| | 12. Deep tube | RKVY | 2011 | 287.60 | 4,10,509.00 | - | - | - |
| | well with | | | running | | | | |
| | distribution | | | m. | | | | |
| | line | | | | | | | |
| | 13. Green | ICAR | 2011 | 10m x | 5,00,000.00 | - | - | - |
| | House | | | 8m | | | | |
| | 14. Automatic | RKVY | 2011 | 3m X | 45,000.00 | - | - | - |
| | Weather | | | 3m | | | | |
| | Station | | | | | | | |
| | 15. Azolla | RKVY | 2012 | 9.9m X | 2,72,000.00 | - | - | - |
| | production unit | | | 5.5m | | | | |
| | 16. Compost | RKVY | 2012 | 9.6m X | 2,20,000.00 | - | - | - |
| | production | | | 5m | | | | |
| | Unit | | | | | | | |
| 5 | Fencing | ICAR | 2012 | 800RM | 15,00,000 | - | - | - |
| | | RKVY | 2012 | 980RM | 9,00,562.00 | - | - | - |

B) Vehicles

| Type of vehicle | Regd. No. | Year of purchase | Cost (Rs.) | Total kms. Run | Present status |
|---------------------|--------------|------------------|-------------|-------------------|-------------------|
| Jeep | AS-03-H 9470 | 2008 (ICAR) | 5,00,000.00 | 130889 | Running condition |
| Tractor | AS03 AC- | 2010(RKVY) | 4,59,301.00 | - | Running condition |
| | 2223 | | | | |
| Power tiller (2nos) | - | 2008(RKVY) | 1,36,511.00 | - | Running condition |
| Rice transplanter | - | 2010(RKVY) | 1,88,198.00 | - | Running condition |

C) Equipments & AV aids

| Sl. | Name of the equipment | Year of | Cost (Rs.) | Present |
|-----|---------------------------|----------|-------------|-------------|
| No. | | purchase | | status |
| 1 | Desktop Computer | 2007 | 32,000.00 | Working |
| 2 | UPS | 2007 | 6,930.00 | Not Working |
| 3 | Laser Printer | 2007 | 7,571.00 | Working |
| 4 | Xerox (1) | 2010 | 1,01,920.00 | Working |
| 5 | LCD Projector (1) | 2010 | 98,000.00 | Not Working |
| 6 | Digital Camera (1) | 2010 | 19,000.00 | Not Working |
| 7 | Computer (2) | 2010 | 55,094.00 | Working |
| 8 | Laser printer (1) | 2010 | 5,475.00 | Working |
| 9 | UPS (2) | 2010 | 16,474.00 | Not Working |
| 10 | Scanner (1) | 2010 | 2,724.00 | Working |
| 11 | Fax (1) | 2010 | 15,190.00 | Not Working |
| 12 | Trailer capacity 1.5 tone | 2008 | - | Working |

| 13 | Dugged Wheel for 13 HP | 2008 | - | Working |
|----|---|------|-----------|-------------|
| 14 | Hitch braket with pine set for 13 HP VST Tiller | 2008 | - | Working |
| 15 | Five Tyne cultivator for 13 HP VST Sakti power | 2008 | - | Working |
| | Tiller | | | |
| 16 | Tail wheel float for 13 HP VST power tiller | 2008 | - | Working |
| 17 | Wheel Changer for BHP VST Power tiller | 2008 | - | Working |
| 18 | Two share MB plough to be fitted with 13 HP VST | 2008 | - | Working |
| | Sakti power tiller | | | |
| 19 | Handle weight Assembly for 13 HP power tiller | 2008 | - | Working |
| 20 | Short rotary for power tiller | 2008 | | Working |
| 20 | Extension larged wheel for power tiller | 2008 | | Working |
| 21 | Straight blade 18 Nos | 2008 | | Working |
| 22 | Water pump with accessory-suction pipe & head | 2008 | | Working |
| 23 | Legged wheel carrier for power tiller | 2008 | _ | Working |
| 25 | Motorized knapsack sprayer with 1.2 HP | 2008 | | Working |
| 25 | notorized knapsack sprayer with 1.2 m | 2008 | - | WORKIng |
| 26 | Mechanized brush cutter Model_sparta_37 petrol | 2008 | _ | Working |
| 20 | driven 2 stroke engine | 2000 | _ | Working |
| 27 | Multi purpose power weeder Model _APW-43 | 2008 | _ | Working |
| 27 | Sealing machine(8") (1.5 x 3) mm sealing width | 2000 | _ | Not Working |
| 20 | ontion | 2012 | - | Not Working |
| 29 | Farth augar Model _MTL_51 | 2008 | 45 967 00 | Working |
| 30 | Post hole Digger accessories | - | | - |
| 31 | i Auger for digger(6") | 2011 | 3 308 00 | Working |
| 32 | ii Auger for digger(12") | 2011 | 5,500.00 | Working |
| 33 | iii Auger for digger(12") | 2011 | 9 371 00 | Working |
| 34 | iv Auger for digger(24") | 2011 | 13 892 00 | Working |
| 35 | Fight Row self propel rice transplanter | 2011 | - | Working |
| 36 | Drag Net (Double knotted 100% pylon machine made) | 2008 | | Working |
| 37 | Fingering catching net/Knotless 100% nylone | 2008 | | Working |
| 38 | Ti -9 tine spring loaded Tiller | 2008 | | Working |
| 39 | Greaves nump set GSP-80B Engine No- TKG | 2008 | | Working |
| 57 | 6748998 pump no-1798 | 2000 | | Working |
| 40 | Chaff Cutter (J) No. Blade – 2 | 2008 | - | Working |
| 41 | T I plough -2 disc (J) | 2008 | - | Working |
| 42 | T I Disc Harrow (12 disc) (J) | 2008 | - | Working |
| 43 | Lagged wheel | 2008 | _ | Working |
| 44 | Tail wheel Float | 2008 | _ | Working |
| 45 | Wheel changer | 2008 | - | Working |
| 46 | Hitch bracket | 2008 | | Working |
| 47 | Rotavator, 25-35 and 35-50 HP tractor drawn | 2008 | - | Working |
| 48 | Puddler | 2008 | - | Working |
| 49 | Power paddy weeder | 2008 | - | Working |
| 50 | Seed cleaner Model PC-2 | 2008 | - | Working |
| 51 | Power sprayer | 2008 | - | Working |
| 52 | Knapsack mist blower cum duster | 2008 | - | Not Working |
| 53 | Autoclave: Table top | 2011 | 8,810.00 | Working |
| 54 | Autoclave vertical, media make, Model-7440PAD, | 2011 | 93,638.00 | Working |
| | Size-40x60 cm | | | Ŭ |
| 1 | | | 1 | |

| 55 | Horizontal Laminar air flow, Make-Rescolar, Model- | 2011 | 57,930.00 | Working |
|----|--|------|-------------|-------------|
| | RH58-7, Size-120 x 60 x 60 cm | | | |
| 56 | Hot air Oven (600x600x600) mm | 2011 | 36,888.00 | Working |
| 57 | Portable Ph meter with 4 digit LCD display | 2011 | 2,270.00 | Not Working |
| 58 | B.O.D Incubator(Low temp.) capacity -171 lt. | 2011 | 1,22,131.00 | Working |
| 59 | Spirit lamp(Brass) | 2011 | 280.00 | Working |
| 60 | Wheel burrow (wheels made of cast iron with solid | 2011 | 5,175.00 | Working |
| | rubber ring) | | | |

1.8. A). Details SAC meeting* conducted in the year 2016-17

| Sl. | Date | Name and | Salient | Action taken on last SAC |
|-----|-----------|-------------------------|-----------------------|---|
| No | | Designation of | Recommendations | recommendation |
| • | | Participants | | |
| 1. | 23.3.2017 | 1. Dr. K. M. | 1. To be self- | 1. As per suggestion of progressive |
| | | Bujarbaruah, Vice | sufficient in oilseed | farmer Mr. Atul Missong, few |
| | | Chancellor, AAU, | and pulses, the | trainings and demonstrations on |
| | | Jorhat, Chairman. | district need to | various farm machineries were given |
| | | 2. Dr. H. C. | cover 4000 ha and | in Allongmore group in collaboration |
| | | Bhattacharya, | 3000 ha of land | m Anengmora area m conadoration |
| | | Director of | respectively. | with Dept. of Agril. Engineering. |
| | | Extension | Therefore, | 2.During the discussion on peri-urban |
| | | Education, AAU, | formulation of | agriculture programme, the chairman |
| | | Jorhat. | appropriate action | suggested to conduct a survey to |
| | | 3.Dr. G. N. | plan to ascertain | ascertain the actual requirement in |
| | | Hazarıka, Director | land availability, | food grains, fruits & vegetables, dairy |
| | | of Research (Agri), | seed and other | products, poultry and fishery to make |
| | | AAU, Jorhat. | inputs requirement | the Jornat district self sufficient. |
| | | 4. Dr. Chandan | is the need of the | A survey cull secondary data |
| | | Sarman, Faculty, | nour. The chairman | collaboration with different dents and |
| | | EIC, SIRD, Jornal. | requested to chark | organisations regarding the actual |
| | | Mohonto SDAO | the same | requirement in food grains fruits & |
| | | Ω_{0} DAO Jorbat | 2 The chairman | vegetables dairy products poultry |
| | | 6 Dr R K Saud | stressed on | and fishery in Jorhat district. |
| | | Assoc Director of | "doubling the | 3 The Director of Research (Agri) |
| | | Extension | farmers income" | suggested KVK. Jorhat to go for |
| | | Education (P&I) | and advised to | artificial insemination programme in |
| | | AAU. Jorhat | prepare action plan | goat in collaboration with the State |
| | | 7.Dr. Rupam | to achieve the goal | Veterinary Department since they |
| | | Borgohain, | in addition to the | have the facility of cryocan, liquid |
| | | Programme | mandatory | nitrogen and straw. The programme |
| | | Coordinator, KVK, | activities of KVK. | could not be conducted during 2016- |
| | | Jorhat | He also advised the | 17due to non availability of frozen |
| | | 8.Dr. Utpala | KVK to prepare the | goat semen in the State Veterinary |
| | | Goswami,Senior | training modules | Department. However, during 2015- |
| | | Extension | specifically for | 16 we have conducted 105 nos of AIs |
| | | Specialist, DoEE, | doubling farmers | (pregnancy rate 58%) in goats using |
| | | AAU, Jorhat | income and if | frozen semen straw collected from |
| | | 9. Mr. Anjan Dutta, | needed they may be | College of Vety Science, AAU, |
| | | NEADS, | redesigned to suite | Khanapara and in collaboration with |
| | | Dhekiakhuwa, | the doubling | Veterinary Department |
| | | Jorhat. | farmer's income | As per the suggestion of 4. DR(Agri) |
| | | 10.Dr. Urmimala | strategy. | several commudity village were |

| CMER&TT, Lahdoighar.highlightedfter mushroom.pulse)11.Dr. Nripen Khour DVO,Office, Jorhat.of India regarding organic farming in Poundation, Jorhat pointed out the organic farming in North Eastern mobilization for arsenic in the district with arsenic and demonstrations under AICRP on water management, Jorhat Forest Division, Jorhat.13.Mr. Rupak Bhuyan, Fr-1, Jorhat Forest Division, Jorhat.apropriate testing arsenic in the district with progress arsenic in the district will be bevelopment of soil Science. IS.Mr. J.N. Borah, DICC, Jorhat, Borah, Rain Forest Research Institute 17.Sri Thaneswar Chutia, Advisor Chutia, Advisor Chandra Doley, EE(Agri), Jorhat Barnah, President Adving District Clandar Doley, EE(Agri), Jorhat, Borbheti. 22.Mr. Chandan Chandra Doley, Development Chandra Doley, Dester Adving Dorhat. 23.Mr. Sanyita Bortheti. 23.Mr. Sanyita Bortheti. 23.Mr. Sanyita Bortheti. 24.Dr. R. C. Borah, Doble; AAU Borthad, Lorbat Commissioner, Jorit Cogoi, Jall India Radio, Jorhat, Sanyita Bortheti. 23.Mr. Sanyita Bortheti. 24.Dr. R. C. Borah, Doble; AAU Borthad, Lorbat Commissioner, Jorit Commissioner, Jorit Commissioner, Jorit Advisor Chutia, Advisor Chandra Doley, Department for Sc | | Hazarika, Scientist D | 3. The Chairman | established (Goat, duck, poultry, |
|---|--|---------------------------------------|----------------------|---|
| Lahdoighar.emphasis of Govt.5. Mr. Sameer Ranjan Bordoloi,11.Dr. Nirjen Khourof India regardingProgramme Manager, Farm 2 FoodDVO,Office, Jorhat.North Eastern India12.Dr. R. M.North Eastern IndiaKarnakar, DepartmMorth Eastern Indiaof rat.Jorhat ForestJorhat Forestof organic farmer's field.Jorhat Forestfor organic farmer's field.Handique,4. Mr Chandan Kr.Assistan Directorof soil Science.15. Mr. JN. Borah,Officer, Jorhat,16.Dr. Rajib Kr.Gogoi , DistrictT.S. Mr. JS. Borah,Officer, Jorhat,16.Dr. Rajib Kr.Officer, Jorhat,17.Sri Thaneswarfarming ,JorhatChutia, AdvisorKAASS, Balijonia,Corta,KAASS, JorhatSoil/Water testingJorhatSoil/Water testingJorhatS. Honorable ViceAndia Radio, Jorhat,Soil/Water testingJorhatS. Honorable ViceAndia Radio, Jorhat,Soil/Water testingJorhatS. Honorable ViceAndaria Doley,S. Honorable ViceChandra Doley,S. Honorable ViceChandra Doley,S. Honorable ViceChandra Doley,Condinator, KVK,DevelopmentOrbat.Jorhat.S. Honorable ViceChandra Doley,S. Honorable ViceChandra Doley,Condinator, KVK,DevelopmentOrbat.Dorbeti.Condinator, KVK,Dorbeti.Condinator, KVK, <td></td> <td>CMER&TI,</td> <td>highlighted the</td> <td>mushroom, pulse)</td> | | CMER&TI, | highlighted the | mushroom, pulse) |
| 11.Dr. Nripen Khour DVO,OTICe, Jorhat.of India regarding programe faming in problems of contamination level out water of Jorhat district with arsenic mobilization for arsenic and demonstrations Jorhat Forest Division, Jorhat.Programme Manager, Fam. 2 Food problems of contamination of ground water of Jorhat district with arsenic adminum Block wise delineation of organic farming to forganic farming toffict to forga | | Lahdoighar. | emphasis of Govt. | 5. Mr. Sameer Ranjan Bordoloi, |
| DVO.Office, Jorkat, 12.Dr. R. M. Karmakar.Departm ent of Soil Science, Jorkatorganic farming in fund and fund mobilization for the same. He suggestedFoundation, Jorkat problems of contamination level of area contamination level by area contamination level by area contamination level of area contamination level of area contamination level in Tiabor Block is arear's field the direction officer, of soil Science.14. Mrs. Purabi Handique, Assistant Director of soil Science, DICC, Jorhat, 16.Dr. Rajib Kr. Borah, Rain Forest DICC, Jorhat, 17. Sri Thaneswar Chutia, Advisor KASS, Balijonia, Jorkat JorkatOfficer, Jorkat the direction plan in the direction for Development Caluta, Advisor KASS, Balijonia, Jorkat JorkatForshey the direction for the dire | | 11.Dr. Nripen Khoun | of India regarding | Programme Manager, Farm 2 Food |
| I.2.Dr. R. M. Karmakar, Departine and fund a | | DVO,Office, Jorhat. | organic farming in | Foundation, Jorhat pointed out the |
| Karmakar,Departm ent of Soil Science, Jorhatand mobilization for the some. He suggested appropriate testing bivision, Jorhat, I 4.Mrs. Purabiand fund mobilization for the some. He suggested appropriate testing of organic farming technologies in is completed and 65% of the water samele tested had arsenic content and 66% of Jorhat district will be technologies in is completed and 65% of the water sample tested had arsenic content above 50PPB (above BIS standard). Arsenic contamination level for all blocks of Jorhat district will be to dow so 10 the direct within 5. Mrs. J.N. Borah, I 6.Dr. Rajib Kr. Branda P. President Jorhatand fund suggested to take up action plan in the direction of Integrated fish breeding both for Soil/water testing facility. <i>Kuchiya</i> culture and Parwa Lyoti Gogoi, Jalti Listrict I 19.Mr. Bhaskar Jyoti Gogoi, Jorhat, 21.Mr. Madhav Commissioner, Jorhatand fund suggested to take up action plan in the direction of Integrated fish breeding both for Soil/water testing facility. <i>Kuchiya</i> culture and Parwa Condinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops. Cannetler with the higher 22.Mr. Shaskar Jyoti Gogoi, Jalti- Chaneellor water talagani veterinary farm Division, Jorhat, 2.Mr. Chandan Kr. Gogoi, District Fishery Commissioner, Jorhat. 2.Mr. Chandar Division, Jorhat, Borthakur, DSWO, Jorhat, Development Chaneal C. S. Sonyila Dote, Jorhat, 2.Dr. R.C. Borah, Dote, Jorhat, Development Officer, Jorhat, Development Development Commissioner, Jorhat, 2.Dr. R.C. Borah, Dote, Jorhat, Dote, Jorhat, Dote, Jorhat, Dote, Jorhat, Dote, Jorhat, Dote, Jorhat, Dote, Jorhat, <b< td=""><td></td><td>12.Dr. R. M.</td><td>North Eastern India</td><td>problems of contamination of ground</td></b<> | | 12.Dr. R. M. | North Eastern India | problems of contamination of ground |
| ent of Soil Science. Jorhat. Jorhat Forest Division, Jorhat. Jorhat Forest Division, Jorhat. Handique, Handique, A. Mr Chandan Kr. Gorgoi , District Assistant Director of soil Science. Jorkat Borah, Rain Forest Research Institute Torshen Barnah, Presidenti KASS, Balijonia, Jorhat Borah, Rain Forest Rosanch Institute Sci. Proshen Bartadio, Jorhat. Jorhat Jorhat Borah, Rain Forest Rosarch Institute Toshen Bartah, Presidenti Sci. Proshen Sci. Proshen Jorhat. Jorhat. | | Karmakar,Departm | and fund | water of Jorhat district with arsenic |
| Jorhat.same. He suggestedof water contamination level by arsenic in the district is in progress under AICRP on water management, AU. Delineation for arsenic contamination level in Titabor Block is completed within 1-2 years. Moreover, water table of whole Jorhat district is delineated using GIS and the direction of framing , framing , framing , framer's field.Image and the direction of framing , framer's field.Gogoi , framer's field.Gogoi , framer's field.Image and the direction of framer's field.Mr Chandan Kr. framing , framing , fr | | ent of Soil Science, | mobilization for the | and cadmium. Block wise delineation |
| 13.Mr. Rupak Bhuyan, Fr-I, Jorhat Forest Division, Jorhat, 14.Mrs. Purabi Handique, Extention Officer, Assistant Director of soil Science. 15.Mr. J.N. Borah, DiCC, Jorhat, 16.Dr. Rajib Kr. Borah, Rain Forest Research Institute 17.Sri Thaneswar Chutia, Advisor Dirtict Jorhatappropriate testing and demonstrations fischery Difficer, Jorhat, suggested to take up action plan in fischery Lorhat, Portict Sintrict Difficer, Jorhat, Jorhatappropriate testing and demonstrations fischery Difficer, Jorhat, suggested to take up action plan in fischery fischery Dorhat, Jorhatappropriate testing and demonstrations former's field. A.W. Delineation level in Titabor Block to actor association of association of association of the direction of horeover, water table of whole Jorhat district to chona water management, AAU has developed to chona well india Radio, Jorhat, Jorhat19.Mr. Bhaskar Tamuly, Dist Development JorhatSoil/water testing facility, Kuchiya facility, Commissioner, Jorhat, Z.Mr. Chanda Division, Jorhat, Borbheti, 2.Mr. Chanda Division, Jorhat, Borbheti, 2.Mr. Chanda Division, Jorhat, Borbheti, 2.Mr. Chanda Divelopment Officer, Jorhat, 2.Mr. Chanda Division, Jorhat, Borbheti, 2.Mr. Chanda Divelopment Officer, Jorhat, 2.Mr. Chanda Divelopment Officer, Jorhat, 2.Mr. Chanda Dorhat, 2.Mr. Chanda Divelopment Officer, Jorhat, 2.Mr. Chanda Divelopment Officer, Jorhat, 2.Mr. Chanda, Dorhat, Dorhat, Division, Jorhat, Borha | | Jorhat. | same. He suggested | of water contamination level by |
| Bhuyan, Fr-I, Jorhat Forest Division, Jorhat.and demonstrations of goain farming of goain Science.under AICRP on water management, AAU. Delineation for arsenic contamination level in Titabor Block is completed and 65% of the water above 50PPB (above BIS standard). Arsenic contamination level for all bocks of Jorhat district will be completed within 1-2 years. Moreover, water table is within 5 marental fish prostant the direction of ficer, Jorhat Jorhatunder AICRP on water management, AAU. Delineation for arsenic contamination level for all above 50PPB (above BIS standard). Arsenic contamination level for all bocks of Jorhat district will be completed within 1-2 years. Moreover, water table is within 5 mether popularized. AICRP on water facility, Kuchiya District Tamuly, Dist Development Chandra Doley, Jorhat.1. Mr. Madhav Chandra Doley, I orhat.Soil/water test the non performing for high value crops. Several High Value crops like the non performing rogain farming by KVK, Jorhat to look for vereinary farmi Division, Jorhat, Bortheti, 2.Dr. R.C. Borah, DoEE, AAU, DoEE, AAU,< | | 13.Mr. Rupak | appropriate testing | arsenic in the district is in progress |
| Jorhat Forest Division, Jorhat.of organic farming technologiesAAU. Delineation for arsenic contamination level in Titabor Block is completed and 65% of the water sample tested had arsenic content above 50PPB (above BIS standard). Arsenic contamination level for all blocks of Jorhat district will be Officer, Jorhat, 15.Sri Thaneswar Chutia, Advisor KASS, Balijonia, Baruah, President S.Sri. Proshen Barah, President Madio, Jorhat 20.Mrs. B.Dutta 20.Mrs. B.Dutta 20.Mrs. B.Dutta 21.Mr. Madhav Chandra Doley, Jorhat.AAU. Sorhat technologies technologies to take where water table is within 5 meter during winter, treadle pump has been opularized. AICRP on water thread fish breeding both for local as well as exotic fish), Soil/water testing facility. Kuchiva culture, Magur Jori at 20.Mrs. B.Dutta 21.Mr. Madhav Chandra Doley, EE(Agri), Jorhat, 22.Mr. Chandan Kr. Gogoi, District Fishery 22.Mr. Chandan Chandra Doley, Atu authority of Kr. Gogoi, District Fishery Development Officer, Jorhat, 20.Mrs. B.Dutta 20.Mrs. B.Dutta 20.Mrs. B.Dutta 21.Mr. Madhav Chandra Doley, EE(Agri), Jorhat, 21.Mr. Sanyita Borthakur, DSWO, Jorhat. 21.Mr. Chandan Kaing up of new Officer, Jorhat, 24.Dr. R.C. Borah, DoEE, AAU, DoEE, Chand DoEE, Chand, DoE | | Bhuyan, Fr-I, | and demonstrations | under AICRP on water management, |
| Division, Jorhat. I4.Mrs. Purabi I5.Smr. J.N. Borah, DiCC, Jorhat, Ib.S.Mr. J.N. Borah, Borah, Rain Forest Research Institute Integrated fish McASS, Balijonia, Jorhat, Avisor Baruah, President KAASS, Jorhat District 20.Mrs. B. Dutta Jorhat. 21.Mr. Madhav Chandra Doley, Jorhat. 21.Mr. Sanyita Borthakur, DSWO, Jorhat. Jorhat. Development Officer, Jorhat, Borthakur, DSWO, Jorhat. Jorhat. Division, Jorhat, Borthakur, DSWO, Jorhat. Jor | | Jorhat Forest | of organic farming | AAU. Delineation for arsenic |
| 14.Mrs. Purabifarmer's field. Americ contamination (GS%) of the water sample tested had arsenic content above 50PPB (above BIS standard). Arsenic contamination level for all blocks of Jorhat district will be completed and 65% of the water sample tested had arsenic content above 50PPB (above BIS standard). Arsenic contamination level for all blocks of Jorhat district will be completed within 1-2 years. Moreover, water table of whole Jorhat district is delineated using GIS and Remote Sensing and in those areas where water table is within 5 meter during winter, treadle pump has been popularized. AICRP on water during winter, treadle pump has been popularized. AICRP on water management, AAU has developed cost effective bamboo drip irrigation system and has recommended low system and has recommended low cost plastic pipe water delivery as the efficient method of surface irrigation. 6.The Hon'ble Vice Chancellor, AAU, Jorhat suggested Programme Coordinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops. Several High Value crops like Thailand Ber, Banana, Bhut Jolokia, Turmeric, Ginger and Black rice demonstrations were conducted in several farmers field of the district. 7.Mr. Sameer Ranjan Bordoloi emphasized on the development of retail outer for marketing the organic roducts. Few areas of the district were surveyed having potential for organic farming by KVK, Jorhat along with the selection of appropriate crops. Sameer Bordoloi drew the attention of the ouse on the scope and importance of local herbs and suggested the scientific community to wireart one | | Division, Jorhat. | technologies in | contamination level in Titabor Block |
| Handique, Extention Officer, Assistant Director of soil Science.4. Mr Chandan Kr. Gogoi , District Fishery Developmentsample tested had arsenic content above 50PPB (above BIS standard). Arsenic contamination level for all blocks of Jorhat district will be completed within 1-2 years. Moreover, water table of whole Jorhat district is delineated using GIS and Research Institute 17.Sri Thaneswar Chutia, Advisor Ornamental fish breeding(both for Jorhat Baruah, President KAAS, Jorhat Jostrict Cammissioner, Jorhat.Aut and arsenic content above 50PPB (above BIS standard). Arsenic contamination level for all blocks of Jorhat district will be completed within 1-2 years. Moreover, water table is within 5 meter during winter, treadle pump has been popularized. AICRP on water management, AAU has developed cost effective bamboo drip irrigation system and has recommended low cost plastic pipe water delivery as the efficient method of surface irrigation. 6.The Hon'ble Vice Chancellor, AAU, Jorhat suggested Programme Coordinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops. Several High Value crops like Tualand Ber, Banana, Bhut Jolokia, Turmeric, Ginger and Black rice demonstrations were conducted in several farmers field of the district. 7.Mr. Sameer Ranjan Bordoloi emphaized on the development of retail outef for marketing the organic production Programme to morganic farming by KVK, Jorhat altor up opperforming Borthakur, DSWO, Porgamme to officer, Jorhat, 24.Dr. R.C. Borah, DoEE, AAU, Kaliapani Farm a witratt oneMarchanal as and anutority or take up the mater for take up the mater for high value corps. Sameer Bordoloi drew the attention of teal intervence of local herbs and s | | 14.Mrs. Purabi | farmer's field. | is completed and 65% of the water |
| Extention Officer, Assistant Director of soil Science.Gogoi Fisheryabove 50PPB (above BIS standard). Arsenic contamination level for all blocks of Jorhat district will be completed within 1-2 years. Moreover, water table of whole Jorhat district is delineated using GIS and method starting farming . Chutia, Advisor JorhatArsenic contamination level for all blocks of Jorhat district will be completed within 1-2 years. Moreover, water table of whole Jorhat district is delineated using GIS and method surfer, treadle pump has been popularized. AICRP on water management, AAU has developed cost effective bamboo drip irrigation system and has recommended low cost plastic pipe water delivery as the efficient method of surface irrigation. System and has recommended low cost plastic pipe water delivery as the efficient method of surface irrigation. Gordinator, KVK, Jorhat to know if KVK Development Commissioner, Jorhat.19.Mr. Bhaskar 21.Mr. Madhav Chandra Doley, Borbeti. 22.Mr. Chandan Kr. Gogoi, Jistrict Fishery Development Cofficer, Jorhat.Shonorable Vice- to know if KVK can intervene with the non performing Kaligapani Farm a with the higher ataking up of new Cofficer, Jorhat.None for wate take up the mater take up the mater take up the mater or take up the mater or provisioning by KYK. Jorhat ato up the make production propriate crops.10. Charcellor wate of to reak staring by KYK. Jorhat to reak staring by KYK. Jorhat to with the selection of apropriate crops.Sameer Bordoloi drew the attention of the solection of apropriate crops.10. Charcellor, Jorhat. 23. Mrs. Sanyita boEE, AAU, Lobet, TowatNormat oper verimary ope10. Cha | | Handique, | 4. Mr Chandan Kr. | sample tested had arsenic content |
| Assistant Director of soil Science. 15.Mr. J.N. Borah, DICC, Jorhat, IBorah, Rain Forest Research Institute 17.Sri Thaneswar Chutia, Advisor McASS, Balijonia, JorhatFishery Development Officer, Jorhat, up action plan in Integrated fish farming commental fish breeding both for JorhatArsenic contamination level for all blocks of Jorhat district will be completed within 1-2 years. Moreover, water table of whole Jorhat district is delineated using GIS and Remote Sensing and in those areas where water table is within 5 meter during winter, treadle pump has been popularized. AICRP on water management, AAU has developed cost effective bamboo drip irrigation. 18.Sri. Proshen Baruah, President McAAS, Jorhat Jyoti Gogoi, All India Radio, Jorhat. 20.Mrs. B.Dutta Tamuly, Dist Commissioner, Jorhat.Soil/water testing soil/water testing to know if KVK can intervene with the non performing Kr. Gogoi, District EE(Agri), Jorhat. 21.Mr. Madhav Chandra Doley, E. Chandar Division, Jorhat, Bortheti. 21.Mr. Chandra Doley, E. Chandar Division, Jorhat, Bortheti. 22.Mr. Chanda Division, Jorhat, Bortheti. 22.Mr. Chanda Division, Jorhat, Bortheti. 22.Mr. Chanda Division, Jorhat, Bortheti. 22.Mr. Chanda Bortheti. 22.Mr. Chanda Bortheti. 22.Mr. Chanda Borthat. Chanda (24.Dr. R.C. Borah, DoEE, AAU, Veterinary DoEE, AAU, Lorest and DoEE, AAU, Lorest and portat oneAssenic contamination level for all direction of programme to make productionArsenic contamination level for all direction of her bard oneDoEE, AAU, LorestSoilveater one veiter and portant oneProgramme to make nonperforming kaliapani Farm a vibrat one <td< td=""><td></td><td>Extention Officer,</td><td>Gogoi , District</td><td>above 50PPB (above BIS standard).</td></td<> | | Extention Officer, | Gogoi , District | above 50PPB (above BIS standard). |
| of soil Science. 15.Mr. J.N. Borah, DICC, Jorhat, 16.Dr. Rajib Kr. Borah, Rain Forest Research InstituteDevelopment Officer, Jorhatblocks of Jorhat district will be completed within 1-2 years. Moreover, water table of whole Jorhat district is delineated using GIS and Remote Sensing and in those areas where water table is within 5 meter during winter, treadle pump has been popularized. AICRP on water management, AAU has developed cost effective bamboo drip irrigation system and has recommended low cost plastic pipe water delivery as the efficient method of surface irrigation. 6.The Hon'ble Vice Chancellor, AAU, Jorhat suggested Programme Condinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops. Several High Value crops like Thailand Ber, Banana, Bhut Jolokia, Turmeric, Ginger and Black rice wetterinary farm. Chandra Doley, El. Morozable Vice Chancellor wanted the non performing Kaiapani veterinary farm. Department for Sory Cardinat, 20.Mrs. Sanyita Borthat.Development commental fish bevelopment continat district testing cost plastic pipe water delivery as the efficient method of surface irrigation. 6.The Hon'ble Vice Chancellor, AAU, Jorhat suggested Programme Cordinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops. Several High Value crops like Thailand Ber, Banana, Bhut Jolokia, Turmeric, Ginger and Black rice wet surveyed having potential for organic farming by KVK, Jorhat along with the selection of appropriate veros. Sameer Bordoloi drew the attention of the house on the scope and importance of local herbs and suggested the scientific community to vigest and nomperforming hoeff. | | Assistant Director | Fishery | Arsenic contamination level for all |
| 15.Mr. J.N. Borah, DICC, Jorhat, 16.Dr. Rajib Kr. up action plan in Borah, Rain Forest Research Institute 17.Sri Thaneswar Chutia, Advisor Chutia, Advisor Jorhat 18.Sri. Proshen Baruah, President KAAS, Jorhat Jorit District 19.Mr. Bhaskar Jyoti Gogoi, All India Radio, Jorhat. Jorhat. 20.Mrs. B.Dutta Tamuly, Dist Jorhat. 21.Mr. Madhav Chutia, Advisor, Kaiapani Weterinary Jorhat. 21.Mr. Madhav Chandara Doley, 21.Mr. Madhav Chandara Doley, 21.Mr. Madhav Chandara Doley, 21.Mr. Kadhav Chandara Doley, 21.Mr. Kadhav Chandara Doley, 22.Mr. Chandan Kr. Gogoi, District Fishery Dorhat. 23.Mrs. Sanyita Borthakur, DSWO, Jorhat. 24.Dr. R.C. Borah, DoEE, AAU, Chard Lawar, Davar, Kaliapani Cat. Chardellor Chard Torita, Kakae Chardara torey Kr. Gogoi, District Kr. Chardan Katapani aut oper Katapani au | | of soil Science. | Development | blocks of Jorhat district will be |
| DICC, Jorhat, 16.Dr. Rajib Kr.suggested to take up action plan in borah, Rain Forest Research Institute 17.Sri Thaneswar Chutia, Advisor Ornamental fish Baruah, President Strict District 1.0dia Radio, Jorhat Jyoti Gogi, All | | 15.Mr. J.N. Borah, | Officer, Jorhat | completed within 1-2 years. |
| 16.Dr. Rajib Kr. Borah, Rain Forest Research Instituteup action plan in the direction of Integrated fish breeding(both for Jorhatdistrict is delineated using GIS and Remote Sensing and in those areas management, AAU has developed during winter, treadle pump has been popularized. AICRP on water management, AAU has developed cost effective bamboo drip irrigation cost plastic pipe water delivery as the efficient method of surface irrigation. Soil/water testing facility, Kuchya District19.Mr. Bhaskar 20.Mrs. B.Dutta Tamuly, Dist Tamuly, Districtculture, Magur culture, and Pravn to know if KVK Can intervene with the non performing Jorhat.6.The Hon'ble Vice Chancellor, oroginator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops.21.Mr. Madhav Chandra Doley, Elevelopment Can. Chandan With the higher authority Development Chandra Doley, Elsery Development Chankaur, DSWO, Jorhat.Veterinary fam. Development Chandan ALU, Dr. R.C. Borah, DoEE, AAU, Veter, AAU,10.DEE, AAU, LobatCore, Jorhat. QALD, R.C. Borah, DoEE, AAU,magement, for taking up of new Livestock24.Dr. R.C. Borah, DoEE, AAU,Kaliapani Farm a kaliapani Farm a Lorbat.magement for taking up of new Livestock Seed Production Programme to and Aliapani Farm a kaliapani Farm a visent onemagement, for take up the matter the house on the scope and importance of local herbs and suggested the scientific community to suggested the scientific community to suggested the scientific community to | | DICC, Jorhat, | suggested to take | Moreover, water table of whole Jorhat |
| Borah, Rain Forest Research Institute 17.Sri Thaneswar Chutia, Advisor KASS, Balijonia, Jorhatthe direction of Integrated fish faming comamental fish breeding(both for local as well as exotic fish), Soil/water tesh system and has recommended low soil/water tesh cost effective bamboo drip irrigation oxstem and has recommended low sost effective bamboo drip irrigation octs effective bamboo drip irrigation. Gost plastic pipe water delivery as the efficient method of surface irrigation. G.The Hon'ble Vice Chancellor, water delivery as the efficient method of surface irrigation. G.The Hon'ble Vice Chancellor, AAU, Jorhat suggested Programme Condinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops. Several High Value crops like Thailand Ber, Banana, Bhut Jolokia, Turmeric, Ginger and Black rice authority can take up the matter authority can taking up of new Development Cr. Gogoi, District Fishery Development Cr. Gogoi, District Fishery Development Cr. Gogoi, District Fishery Development Cr. Gardan, Kr. Gogoi, District Fishery Development Chandau, pSWO, Jorhat. 24.Dr. R.C. Borah, DoEE, AAU, Veter, AAU, Woth at Uotat.the direction of noperforming Kaliapani Farm a vivisant one to rotat. 24.Dr. R.C. Borah, DoEE, AAU, Veter and backthe direction of noperforming Kaliapani Farm a vivisant oneBorthakur, DSWO, Jorhat.Soil. take monperforming Ratiapani Farm a vivisant one to rotat.the direction of noperforming Kaliapani Farm a vivestor or to rotat.Borthakur, DSWO, Jorhat.Soil. take monperforming NobeE, AAU, withe this part onethe direction of take monperforming <b< td=""><td></td><td>16.Dr. Rajib Kr.</td><td>up action plan in</td><td>district is delineated using GIS and</td></b<> | | 16.Dr. Rajib Kr. | up action plan in | district is delineated using GIS and |
| Research Institute 17.Sri Thaneswar Chutia, Advisor KASS, Balijonia, JorhatIntegrated farming mamentalfish farming mamentalwhere water table is within 5 meter during winter, treadle pump has been popularized. AICRP on water management, AAU has developed tost plastic pipe water delivery as the efficient method of surface irrigation. system and has recommended low cost plastic pipe water delivery as the efficient method of surface irrigation. system and has recommended low cost plastic pipe water delivery as the efficient method of surface irrigation. Soil/water testing for high value corps. Sourmer, Jorhat.19.Mr. Bhaskar Jyoti Gogoi, All India Radio, Jorhat. 20.Mrs. B.Dutta Tamuly, Dist Dorhat.Soil/water testing for high value crops. Strict can intervene with the non performing Dorhat.Soil Autority can take up the matter with the higher authority can take up the matter with the higher authority cof Veterinary Development Cr. Chandan Kr. Gogoi, District Fishery Development Crificer, Jorhat. 24.Dr. R.C. Borah, DoEE, AAU, WithatIntegrated fish farming taliang ani Farm a veta tore productionwhere water table is within 5 meter during winter, treadle pump has been popularized. ALCRP on water magement, AAU has developed to know if KVK can intervene with the higher authority can take up the matter with the higher authority of Veterinary Development Crificer, Jorhat. 24.Dr. R.C. Borah, DoEE, AAU, Weard oreIntegrated fish farming taliang farm a wither tore taking up of new Livestock Northat Wither toreIndia secondence taliand Ber, secondence taliand Ber, secondence taliand Ber, secondence talian | | Borah, Rain Forest | the direction of | Remote Sensing and in those areas |
| 17.Sri Thaneswar Chutia, Advisor KASS, Balijonia, Jorhatfarming ornamental fish breeding(both for local as well as exotic fish), Baruah, President KAAS, Jorhatfarming ornamental fish breeding(both for local as well as exotic fish), Soil/water testing facility, <i>Kuchiya</i> Districtduring winter, treadle pump has been popularized. AICRP on water management, AAU has developed cost effective bamboo drip irrigation system and has recommended low cost plastic pipe water delivery as the efficient method of surface irrigation. 6. The Hon'ble Vice Chancellor, AAU, Jorhat suggested Programme Coordinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops. Several High Value crops like Thailand Ber, Banana, Bhut Jolokia, Turmeric, Ginger and Black rice demonstrations were conducted in several farmers field of the district. 7. Mr. Sameer Ranjan Bordoloi emphasized on the development of retail outlet for marketing the organic roganic farming by KVK, Jorhat along with the selection of appropriate crops. Sameer Bordoloi drew the attention of the house on the scope and importance of local herbs and suggested the scientific community to tweat one with a house on the scope and importance of local herbs and suggested the scientific community to | | Research Institute | Integrated fish | where water table is within 5 meter |
| Chutia, Advisor KASS, Balijonia, Jorhatornamental breeding(both for local as well as exoticpopularized.AICRP management, AAU has developed management, AAU has developed to cost effective bamboo drip irrigation system and has recommended low cost plastic pipe water delivery as the efficient method of surface irrigation. d.The Hon'ble Vice Chancellor, AAU, Jorhat suggested Programme to know if KVK Development Commissioner, Jorhat.popularized. AICRP on water management, AAU has developed to sost effective bamboo drip irrigation system and has recommended low cost plastic pipe water delivery as the efficient method of surface irrigation. 6. The Hon'ble Vice Chancellor, AAU, Jorhat suggested Programme Coordinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops. Several High Value crops like Thailand Ber, Banana, Bhut Jolokia, Turmeric, Ginger and Black rice demonstrations were conducted in several farmers field of the district. 7.Mr. Sameer Ranjan Bordoloi emphasized on the development of retai outlet for marketing the organic products. Few areas of the district were surveyed having potential for organic farming by KVK, Jorhat along with the selection of appropriate crops. Sameer Bordoloi drew the attention of the house on the scope and importance of local herbs and suggested the scientific community to | | 17.Sri Thaneswar | farming , | during winter, treadle pump has been |
| KASS, Balijonia, Jorhatbreeding(both for local as well as exoticmanagement, AAU has developed cost effective bamboo drip irrigation system and has recommended low system and has recommended low cost plastic pipe water delivery as the efficient method of surface irrigation. 6.The Hon'ble Vice Chancellor, AAU, Jorhat suggested Programme Coordinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops.20.Mrs. B.Dutta Tamuly, Dist Jorhat.5. Honorable Vice- Chancellor watted to know if KVK Development Commissioner, Jorhat.5. Honorable Vice- Chancellor watted to know if KVK can intervene with the non performing MAU authority can take up the matter with the higher authority of Kr. Gogoi, District Fishery Development Officer, Jorhat.Maland Bereding(both for local as well as cost plastic pipe water delivery as the efficient method of surface irrigation. 6.The Hon'ble Vice Chancellor, AAU, Jorhat suggested Programme Coordinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops. Several High Value crops like Thailand Ber, Banana, Bhut Jolokia, Turmeric, Ginger and Black rice were surveyed having potential for reail outlet for marketing the organic production Programme to make nonperforming DoEE, AAU, UrbatKaliapani Farm a Dotes, AAU, UrbatNonperforming Kaliapani Farm a UrbatKaliapani Farm a UrbatKaliapani Farm a vibrat one performing | | Chutia, Advisor | ornamental fish | popularized. AICRP on water |
| Jorhatlocal as well as (astrict)cost effective bamboo drip irrigation (cost plastic pipe water delivery as the efficient method of surface irrigation. Soil/water testing tacility, Kuchiya culture, Magur 19.Mr. Bhaskar Jyoti Gogoi, All Commissioner, Jorhat.local as well as exoticcost effective bamboo drip irrigation system and has recommended low sost plastic pipe water delivery as the efficient method of surface irrigation. 6.The Hon'ble Vice Chancellor, AAU, Jorhat suggested Programme Coordinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops. Several High Value crops like Thailand Ber, Banana, Bhut Jolokia, Turmeric, Ginger and Black rice demonstrations were conducted in several farmers field of the district. 7.Mr. Sameer Ranjan Bordoloi emphasized on the development of retail outlet for marketing the organic products. Few areas of the district veterinary frishery Department for taking up of new Officer, Jorhat. 23.Mrs. Sanyita Borthakur, DSWO, Jorhat.local as well as exotic taking up of new Netwith the higher atking up of new Department for taking up of new Officer, Jorhat. 24.Dr. R.C. Borah, DoEE, AAU, Uchatlocal as well as exotic that and present for taking ani Farm a wibrat one with to refer10Soil/water testing culture. Mather and the selection of appropriate crops.21.Mr. Basa District FisheryDepartment for taking up of new Officer, Jorhat. 24.Dr. R.C. Borah, DoEE, AAU, Uorhatnonperforming Kaliapani Farm a wibrat one the none24.Dr. R.C. Borah, DothatNonperforming vibrat one with to neeSameer Bordoloi drew the attention of the house on th | | KASS, Balijonia, | breeding(both for | management, AAU has developed |
| 18.Sri. Proshen Baruah, President KAAS, Jorhat Districtexoticfish), Soil/water testing facility, Kuchiya culture, Magur culture and Prawn Jyoti Gogoi, All India Radio, Jorhat. 20.Mrs. B.Dutta Tamuly, Dist Development Commissioner, Jorhat.exoticfish), system and has recommended low cost plastic pipe water delivery as the efficient method of surface irrigation. 6.The Hon'ble Vice Chancellor, AAU, Jorhat suggested Programme Coordinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops.20.Mrs. B.Dutta Tamuly, Dist Development Conditata5. Honorable Vice- Chancellor wanted to know if KVK Development Can intervene with the non performing Division, Jorhat, E2.Mr. Chandan Division, Jorhat, E3.Mrs. Sanyita Borthakur, DSWO, Jorhat.exoticfishp, system and has recommended low cost plastic pipe water delivery as the efficient method of surface irrigation. 6.The Hon'ble Vice Chancellor, AAU, authority can take up the matter with the higher 22.Mr. Chandan Kr. Gogoi, District Fishery Department for taking up of new Livestock Seed Programme to make nonperforming DoEE, AAU, Uchatexotic tothat take up the organic Programme to make nonperforming MoEL, AAU, Uchatexotic tothat10.Kr. B.C. Borah, DoEE, AAU, Uchatfor vibrat oneproduction Programme to make nonperforming tothatsuggested the scientific community to10.Kr. B.D.for taking up of new Uristic to programme to make nonperforming DoEE, AAU, Uristic to thesuggested the scientific community to | | Jorhat | local as well as | cost effective bamboo drip irrigation |
| Baruah , President KAAS, JorhatSoil/water testing facility, Kuchiya facility, Kuchiya culture, Magurcost plastic pipe water delivery as the efficient method of surface irrigation. 6. The Hon'ble Vice Chancellor, AAU, Jorhat suggested Programme Coordinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops.19.Mr. Bhaskar Jyoti Gogoi, All India Radio, Jorhat. 20.Mrs. B.Dutta Tamuly, Dist Development Chandra Doley, LEE(Agri), Jorhat, Borbheti. 22.Mr. Chandan Division, Jorhat, Brishery Development Cas intervene with Commissioner, Jorhat. 21.Mr. Madhav Chandra Doley, EE(Agri), Jorhat Borbheti. 22.Mr. Chandan Mr. Gogoi, District Fishery Development Cofficer, Jorhat. 23.Mrs. Sanyita Borthakur, DSWO, Jorhat. 24.Dr. R.C. Borah, DoEE, AAU, Iorhat.Soil/water testing facility, Kuchiya culture, Magur Chanoral Production Programme to make nonperforming MoEE, AAU, Iorhat.Soil/water testing facility, Kuchiya culture, Magur Chanoral Production Programme to make nonperforming MoEE, AAU, Iorhat.Soil/water testing facility, Kuchiya culture, Magur Chanoral Production Programme to make nonperforming Kaliapani Farm a wibrat oneSoil/water testing facility, Kuchiya culture. Soil Cordinator, KVK, Jorhat AAU authority can take up the matter of taking up of new Livestock Seed Production Programme to make nonperforming Kaliapani Farm a wibrat onecost plastic for high value crops taking up of new Programme to make nonperforming Kaliapani Farm a wibrat oneBorthat Catada and portace of local herbs and suggested the scientific community to | | 18.Sri. Proshen | exotic fish), | system and has recommended low |
| KAAS, Jorhat Districtfacility, strictKuchiya culture, magurefficient method of surface irrigation. 6.The Hon'ble Vice Chancellor, AAU, Jorhat suggested Programme Coordinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops.19.Mr. Bhaskar Jyoti Gogoi, All India Radio, Jorhat.culture, culture, for high value crops.6.The Hon'ble Vice Coordinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops.20.Mrs. B.Dutta Tamuly, Dist Development Chandra Doley, ISIN, Jorhat, Division, Jorhat, Borbheti.Kaliapani veterinary farm. DVO informed that AAU authority can take up the matter with the higher authority Veterinary Fishery Fishery Fishery Fishery Fishery Development Gorficer, Jorhat. 23.Mrs. Sanyita Borthakur, DSWO, Jorhat. 24.Dr. R.C. Borah, DoEE, AAU, Iorhat.facility, Kuchiya culture, Magur culture, Magur culture, Magur culture, Magur colling, All to know if KVK cordication, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops. Several High Value crops like Thailand Ber, Banana, Bhut Jolokia, Turmeric, Ginger and Black rice demonstrations were conducted in several farmers field of the district. 7.Mr. Sameer Ranjan Bordoloi emphasized on the development of retail outlet for marketing the organic production Programme to make nonperforming NoEE, AAU, IorhatKaliapani Farm a vibrat onewibrat one wibrat oneLorbat UorbatKaliapani Farm a vibrat oneLorbatVerterinary moductionLorbat UorbatKaliapani Farm a vibrat one </td <td></td> <td>Baruah, President</td> <td>Soil/water testing</td> <td>cost plastic pipe water delivery as the</td> | | Baruah, President | Soil/water testing | cost plastic pipe water delivery as the |
| Districtculture,Magur6.TheHon'bleViceChancellor,19.Mr. BhaskarLotture and Prawnculture and Prawn6.TheHon'bleViceChancellor,19.Mr. BhaskarLotture.S. Honorable ViceCoordinator, KVK, Jorhat to look forForvisioning for at least 60 farmers20.Mrs. B.DuttaS. Honorable ViceChancellor wantedCoordinator, KVK, Jorhat to look forDevelopmentCommissioner,KaliapaniVeterinaryJorhat.KaliapaniVeterinaryfarmers, field of the district.21.Mr. MadhavVeterinaryfarmers, field of the district.Chandra Doley,DVO informed thatEE(Agri), JorhatAAU authority canBorbheti.with the higher22.Mr. Chandanwith the higherXr. Gogoi, DistrictVeterinaryFisheryDepartment forDorthakur, DSWO,Programme toJorhat.Noperforming24.Dr. R.C. Borah,NoperformingDoEE, AAU,Kaliapani Farm aVortatvitrant operformingVortatVetrant operformingVortatVetrant operformingNotextVetrant operformingNortatVetrant operformingVariationVetrant operformingVortatVetrant operformingVortatVitrant operformingVortatVitrant operformingVortatVetrant operformingVortatVitrant operformingVortatVetrant operformingVortatVetran | | KAAS, Jorhat | facility, Kuchiya | efficient method of surface irrigation. |
| 19.Mr. Bhaskar Jyoti Gogoi, All India Radio, Jorhat. 20.Mrs. B.Dutta Tamuly, Dist Development Chandra Doley, EE(Agri), Jorhat Borbheti. 21.Mr. Madhav Chandra Doley, EE(Agri), Jorhat Borbheti. 22.Mr. Chandan Kr. Gogoi, District Fishery Development Chandra Doley, E2.Mr. Chandan Kr. Gogoi, District Fishery Development Officer, Jorhat. 24.Dr. R.C. Borah, DoEE, AAU, Intia Radio, Jorhat, Borthakur, DSWO, Intia Radio, Jorhat, Borh | | District | culture, Magur | 6.The Hon'ble Vice Chancellor, |
| Jyoti Gogoi, All India Radio, Jorhat.culture.Coordinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops.20.Mrs. B.Dutta Tamuly, Dist Development Commissioner, Jorhat.5. Honorable Vice- Chancellor wanted to know if KVK can intervene with KaliapaniCoordinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops.21.Mr. Madhav Chandra Doley, Division, Jorhat, Borbheti.Kaliapani DVO informed that take up the matter with the higher authority of VeterinaryTurmeric, Ginger and Black rice demonstrations were conducted in several farmers field of the district.22.Mr. Chandan Division, Jorhat, Fishery Development Officer, Jorhat.Doty informed that taking up of new Livestock Seed Production Programme to make nonperforming DoEE, AAU, Iorhat.Coordinator, KVK, Jorhat to look for provisioning for at least 60 farmers for high value crops.24.Dr. R.C. Borah, DoEE, AAU, IorhatNr. Sonyita Raliapani Farm a vibrant oneProduction Programme to makeSeereal farmers field of the district retail outlet for marketing the organic farming by KVK, Jorhat along with the selection of appropriate crops. | | 19.Mr. Bhaskar | culture and Prawn | AAU, Jorhat suggested Programme |
| India Radio, Jorhat. 20.Mrs. B.Dutta Tamuly, Dist5. Honorable Vice- Chancellor wanted to know if KVK can intervene with the non performing Jorhat.provisioning for at least 60 farmers for high value crops.Development Commissioner, Jorhat.can intervene with the non performing Kaliapaniseveral High Value crops like Thailand Ber, Banana, Bhut Jolokia, Turmeric, Ginger and Black rice demonstrations were conducted in several farmers field of the district.21.Mr. Madhav Chandra Doley, Division, Jorhat, Borbheti.DVO informed that take up the matter with the higher authority of VeterinaryTurmeric, Ginger and Black rice demonstrations were conducted in several farmers field of the district.22.Mr. Chandan Kr. Gogoi, District Fishery Development Officer, Jorhat.uthority of Veterinary Department for taking up of new Livestock Seed Production Programme to make nonperforming DoEE, AAU, Deet, AAU,Production Programme to make Nomperforming Kaliapani Farm a vibiant one | | Jyoti Gogoi, All | culture. | Coordinator, KVK, Jorhat to look for |
| 20.Mrs. B.Dutta Tamuly, DistChancellor wanted to know if KVK can intervene with Commissioner, Jorhat.Chancellor wanted to know if KVK can intervene with the non performing Jorhat.For high value crops. Several High Value crops like Thailand Ber, Banana, Bhut Jolokia, Turmeric, Ginger and Black rice demonstrations were conducted in several farmers field of the district.21.Mr. Madhav Chandra Doley, Borbheti.DVO informed that AAU authority can take up the matter Borbheti.Turmeric, Ginger and Black rice demonstrations were conducted in several farmers field of the district.22.Mr. Chandan Kr. Gogoi, District Fisherywith the higher authority of Veterinary7.Mr. Sameer Ranjan Bordoloi emphasized on the development of retail outlet for marketing the organic products. Few areas of the district were surveyed having potential for organic farming by KVK, Jorhat along with the selection of appropriate crops.3.Mrs. Sanyita Borthakur, DSWO, Jorhat.Programme to make nonperforming Kaliapani Farm a UchatSameer Bordoloi drew the attention of the house on the scope and importance of local herbs and suggested the scientific community to | | India Radio, Jorhat. | 5. Honorable Vice- | provisioning for at least 60 farmers |
| Tamuly, Distto know if KVKIs may failed or priceDevelopmentcan intervene withSeveral High Value crops likeCommissioner,Jorhat.KaliapaniJorhat.KaliapaniTurmeric, Ginger and Black rice21.Mr. Madhavveterinary farm.DVO informed thatChandra Doley,VO informed thatAAU authority canDivision, Jorhat,DVO informed thatAAU authority canBorbheti.AAU authority cantake up the matter22.Mr. Chandantake up the matterwith the higher22.Mr. Chandantaking up of newDepartment forKr. Gogoi, DistrictFisheryDepartment forFisheryDepartment fortaking up of newOfficer, Jorhat.Livestock Seed23.Mrs. SanyitaProductionBorthakur, DSWO,Programme toJorhat.Nonerforming24.Dr. R.C. Borah,NoperformingDoEE, AAU,Wibrant oneVartatwibrant one | | 20.Mrs. B.Dutta | Chancellor wanted | for high value crops |
| Development Commissioner, Jorhat.can intervene with the non performing KaliapaniSeveral fingit value crops inte trops inteJorhat.KaliapaniTurmeric, Ginger and Black rice demonstrations were conducted in several farmers field of the district.21.Mr. Madhav Chandra Doley, EE(Agri), Jorhat Division, Jorhat, Borbheti.VOO informed that AAU authority can take up the matter with the higher authority of VeterinaryTurmeric, Ginger and Black rice demonstrations were conducted in several farmers field of the district.22.Mr. Chandan Kr. Gogoi, District Fishery Development Officer, Jorhat. 23.Mrs. Sanyita Borthakur, DSWO, Jorhat.authority of Veterinary Department for taking up of new Livestock Seed Production Programme to make nonperforming DoEE, AAU,Saneer Bordoloi drew the attention of the house on the scope and importance of local herbs and suggested the scientific community to | | Tamuly, Dist | to know if KVK | Several High Value crops like |
| Commissioner, Jorhat.the non performing ProductionInfaland Ber, Bahana, Bhut Jolokia, Turmeric, Ginger and Black rice demonstrations were conducted in several farmers field of the district.21.Mr. Madhav Chandra Doley, EE(Agri), Jorhat Division, Jorhat, Eorbheti.Kaliapani veterinary take up the matter with the higher authority of VeterinaryTurmeric, Ginger and Black rice demonstrations were conducted in several farmers field of the district.22.Mr. Chandan Kr. Gogoi, District Fishery Development Officer, Jorhat.AAU authority can take up the matter with the higher authority of Veterinary7.Mr. Sameer Ranjan Bordoloi emphasized on the development of retail outlet for marketing the organic products. Few areas of the district were surveyed having potential for organic farming by KVK, Jorhat along with the selection of appropriate crops.23.Mrs. Sanyita Borthakur, DSWO, Jorhat.Production Programme to make nonperforming Kaliapani Farm a wirrant oneSameer Bordoloi drew the attention of the house on the scope and importance of local herbs and suggested the scientific community to | | Development | can intervene with | Theiland Day Danana Dhut Jalahia |
| Jorhat.KaliapaniTurmeric, Ginger and Black rice21.Mr. Madhav Chandra Doley, EE(Agri), Jorhat Division, Jorhat, Borbheti.veterinary farm. DVO informed that AAU authority can take up the matter with the higher authority of Kr. Gogoi, District FisheryDVO informed that AAU authority can take up the matter with the higher authority of VeterinaryTurmeric, Ginger and Black rice demonstrations were conducted in several farmers field of the district.22.Mr. Chandan Kr. Gogoi, District FisheryNr. Chandan authority of Veterinary7.Mr. Sameer Ranjan Bordoloi emphasized on the development of retail outlet for marketing the organic products. Few areas of the district were surveyed having potential for organic farming by KVK, Jorhat along with the selection of appropriate crops.23.Mrs. Sanyita Borthakur, DSWO, Jorhat.Production Programme to make nonperforming LochatProduction Programme to make nonperforming Kaliapani Farm a vibrant oneSameer Bordoloi drew the attention of the house on the scope and importance of local herbs and suggested the scientific community to | | Commissioner, | the non performing | Thailand Ber, Banana, Bhut Jolokia, |
| 21.Mr. Madnav Chandra Doley, EE(Agri), Jorhat Division, Jorhat, Borbheti.veterinary DVO informed that AAU authority can take up the matter with the higher authority of Kr. Gogoi, District Fisherydemonstrations were conducted in several farmers field of the district.22.Mr. Chandan Kr. Gogoi, District Fisherywith the higher authority of Veterinary7.Mr. Sameer Ranjan Bordoloi emphasized on the development of retail outlet for marketing the organic products. Few areas of the district were surveyed having potential for organic farming by KVK, Jorhat along with the selection of appropriate crops.23.Mrs. Sanyita Borthakur, DSWO, Jorhat.Production Programme to make nonperforming DoEE, AAU,Production Ratiapani Farm a vibrant one21.Mr. Madnav DorbatVeterinary uth the higher authority of VeterinarySameer Bordoloi drew the attention of the house on the scope and importance of local herbs and suggested the scientific community to | | Jornat. | Kaliapani | Turmeric, Ginger and Black rice |
| Chandra Doley, EE(Agri), Jorhat Division, Jorhat, Borbheti.DvO informed that AAU authority can take up the matter with the higher authority of Veterinaryseveral farmers field of the district.22.Mr. Chandan Kr. Gogoi, District Fishery Officer, Jorhat. 23.Mrs. Sanyita Borthakur, DSWO, Jorhat.AAU authority can take up the matter with the higher authority of Veterinaryseveral farmers field of the district.7.Mr. Sameer Ranjan Bordoloi emphasized on the development of retail outlet for marketing the organic products. Few areas of the district were surveyed having potential for organic farming by KVK, Jorhat along with the selection of appropriate crops.23.Mrs. Sanyita Borthakur, DSWO, Jorhat. 24.Dr. R.C. Borah, DoEE, AAU,Production Programme to make nonperforming Kaliapani Farm a vibrant oneSweral farmers field of the district.4.Dr. R.C. Borah, DoEE, AAU,Kaliapani Farm a vibrant onesuggested the scientific community to | | 21.Mr. Madhav | veterinary farm. | demonstrations were conducted in |
| EE(Agri), Jornat Division, Jorhat, Borbheti.AAO authority can take up the matter with the higher authority of Veterinary7.Mr. Sameer Ranjan Bordoloi emphasized on the development of retail outlet for marketing the organic products. Few areas of the district were surveyed having potential for organic farming by KVK, Jorhat along with the selection of appropriate crops.20.Mr. Chandan Kr. Gogoi, District Fishery Development Officer, Jorhat. 23.Mrs. Sanyita Borthakur, DSWO, Jorhat.Department for taking up of new Livestock Seed Production Programme to make nonperforming Kaliapani Farm a vibrant one7.Mr. Sameer Ranjan Bordoloi emphasized on the development of retail outlet for marketing the organic products. Few areas of the district were surveyed having potential for organic farming by KVK, Jorhat along with the selection of appropriate crops.24.Dr. R.C. Borah, DoEE, AAU, IorhatNonperforming kaliapani Farm a vibrant oneSaudority can take nonperforming kaliapani Farm a | | Chandra Doley, | A LL outbanity and | several farmers field of the district. |
| Division, Jornat, Borbheti.take up the matter matterBorbheti.with the higher authority of Kr. Gogoi, Districtwith the higher authority of VeterinaryFisheryDepartment for taking up of new Officer, Jorhat.Department for taking up of new Livestock Seed Production3.Mrs. SanyitaProductionBorthakur, DSWO, Jorhat.Programme to make24.Dr. R.C. Borah, DoEE, AAU,nonperforming Kaliapani Farm a vibrant one | | EE(Agri), Jornat | AAU authority can | 7.Mr. Sameer Ranjan Bordoloi |
| Borbneti.with the higher authorityretail outlet for marketing the organic products. Few areas of the district were surveyed having potential for organic farming by KVK, Jorhat along with the selection of appropriate crops.22.Mr. Chandan Kr. Gogoi, District FisheryDepartment for taking up of new Livestockretail outlet for marketing the organic products. Few areas of the district were surveyed having potential for organic farming by KVK, Jorhat along with the selection of appropriate crops.23.Mrs. Sanyita Borthakur, DSWO, Jorhat.Production Programme to make nonperforming Kaliapani Farm a vibrant oneSameer Bordoloi drew the attention of the house on the scope and suggested the scientific community to | | Division, Jornal, | take up the matter | emphasized on the development of |
| 22.Mr. Chandan Kr. Gogoi, District Fisheryauthorityof VeterinaryFisheryDepartment taking up of new Officer, Jorhat.Department taking up of new Livestockproducts. Few areas of the district were surveyed having potential for organic farming by KVK, Jorhat along with the selection of appropriate crops.23.Mrs. Sanyita Borthakur, DSWO, Jorhat.Production Programme makeSameer Bordoloi drew the attention of the house on the scope and importance of local herbs and suggested the scientific community to | | Borbneti. | with the higher | retail outlet for marketing the organic |
| KI. Gogol, DistrictVeterinaryFisheryDepartment for taking up of new Officer, Jorhat.Department for taking up of new Livestock Seed23.Mrs. SanyitaProductionBorthakur, DSWO, Jorhat.Programme to make24.Dr. R.C. Borah, DoEE, AAU,nonperforming Kaliapani Farm a vibrant one | | 22. Mr. Chandan Vr. Cogoi District | Authority Of | products. Few areas of the district |
| FisheryDepartmentforDevelopmenttaking up of newOfficer, Jorhat.Livestock23.Mrs. SanyitaProductionBorthakur, DSWO,ProgrammeJorhat.Programme24.Dr. R.C. Borah,nonperformingDoEE, AAU,Kaliapani Farm aJorhatvibrant one | | Kr. Gogol, District | Department for | were surveyed having potential for |
| Developmenttaking up of new Officer, Jorhat.taking up of new Livestockalong with the selection of appropriate crops.23.Mrs. SanyitaProductionBorthakur, DSWO, | | Development | taking up of now | organic farming by KVK, Jorhat |
| 23.Mrs. Sanyita Borthakur, DSWO, Jorhat. 24.Dr. R.C. Borah, DoEE, AAU, Iorhat Dotat | | Officer Jorbet | Livestock Soci | along with the selection of appropriate |
| 25.0013. SanytaFroductionBorthakur, DSWO, Jorhat.Programme makeSameer Bordoloi drew the attention of the house on the scope and importance of local herbs and suggested the scientific community toDoEE, AAU, IorhatKaliapani Farm a vibrant onesuggested the scientific community to | | 23 Mrs. Sanvita | Production | crops. |
| Jorhat. 24.Dr. R.C. Borah, DoEE, AAU, Jorhat | | Borthakur DSWO | Programme to | Sameer Bordoloi drew the attention of |
| 24.Dr. R.C. Borah, DoEE, AAU, Iorhat John to performing Vibrant one John to performing Vibrant one John to performing Vibrant one | | Iorhat | make lo | the house on the scope and |
| DoEE, AAU,Kaliapani Farm asuggested the scientific community toJorbatvibrant one | | 24 Dr R C Rorah | nonnerforming | importance of local herbs and |
| Iorhat vibrant one | | $D_{0}EE$ AAU | Kalianani Farm | suggested the scientific community to |
| | | Jorhat. | vibrant one | |

| Sarma, DoEE, with the suggestion practice for their cultivation. | |
|---|-------------|
| A ALL Jorbet of Dr. Urmimale | |
| AAU, Joinal. Of DI. Utilinala | |
| 26.Dr. P.K. Pathak, Hazarika, Scientist, 8.Dr. I.C. Baruah, Principal Scienti | st, |
| ADR, AAU, Jorhat. CEMR&TI, to Agronomy is working in the field | of |
| 27.Dr. Tamizuddin study the medicinal plants and local her | 201 |
| Ahmed, Chief possibility of KVK | <i>J</i> S. |
| Scientist, RARS, starting farmer's AAU has already begged few project | cts |
| Titabor participatory silk from the Ministry of Aiyush, Govt | of |
| rearing programme, India on medicinal plants and her | bs |
| 28.Dr.L.K.Hazarika the chairman and work in being conducted in AA | U, |
| , Department of suggested Head, Jorhat campus and BNCA campus. | |
| Entomology, KVK, Jorhat and 9 The Chairman informed that put | se |
| Faculty of Dr.L.K Hazarika to is another important crop that nee | ds |
| agriculture. visit the Tipomia immediate intervention and suggest | ed |
| 29.Mr. Biman Sericulture Farm to KVK Jorbat to give more empha | sis |
| Gogoi, Farmer ascertain the on identification of new put | se |
| Representative, feasibility. Dr. growing areas and cover more are | as |
| Khanamukh. Urmimala Hazarika under this crop During 2016- | 17 |
| 30.Mr. Pranjit also promised to under Cluster FLD KVK Jorbat h | ias |
| Rajkowa, Farmer provide some covered 40 ha under kharif pulse a | nd |
| Representative, silkworm food 40 ha under rabi Pulse. Similar | lv. |
| Bhagamukh plant seedlings to under Pulse Seed Hub Program | ne |
| 31.Mrs. Asha KVK, Jorhat. <i>kharif</i> pulse was cultivated in 60 | ha |
| Borah Morang, and Rabi pulse in 5 ha. Altogeth | ier |
| Farm women 591 farmers were involved in the tw | NO |
| Representative, programme. New pulse growing an | ea |
| Dangdhara, was also identified in Janji Mukh a | nd |
| Titabor. Dhudang Chapori. | |
| 32.Mrs. Runu 10.As per suggestion of Mr. Same | er |
| Gogoi, Farm Ranjan Bordoloi to creat a hub | of |
| women planting material to cater the needs | of |
| the farmers, mother plants for Lite | hi, |
| Mybelia. Guava, Apple ber, Assam lemon | at |
| KVK, Jorhat are ready for planti | ng |
| material production. During 201 | 6, |
| 250 litchi and 1000 guava and 5 | 00 |
| Assam lemon planting materials we | ere |
| produce. Moreover, 6 quintal of hi | gh |
| quality Megha turmeric and 20 | 00 |
| slips of pineapple were produced. | |
| 11.Mrs. Nirala Kalita, progressi | ve |
| farmwoman, Kaliapani request | ed |
| KVK, Jorhat to arrange training f | or |
| the woman SHGs on weaving, cutti | ng |
| and tailoring. Responding to M | rs. |
| Kalita, Director of Extensi | on |
| Education directed KVK, Jorhat | to |
| arrange a vocational training | on |
| cutting and tailoring. Vocation | iai |
| training on commercial weavi | ng |
| Conducted with 11 weavers at Dept | 0I |
| College of Home Science, AAU w | , ith |

| | the | participation o | f 11 trainees. |
|--|-----|-------------------|-------------------|
| | Vo | cational training | on Cutting and |
| | Ta | loring was also | conducted by |
| | KV | K, Jorhat with pa | rticipation of 22 |
| | far | m women. | _ |

* Attach a copy of SAC proceedings along with list of participants

Proceeding of 5thScientific Advisory Committee (SAC) Meeting of Krishi Vigyan Kendra, Jorhat, 2016-17 Date : 23.03.2017

Chairman: Dr. K.M. Bujarbaruah, Hon'ble Vice- Chancellor, AAU, Jorhat Venue : Conference Hall, Directorate of Research (Agri), AAU, Jorhat Rapporteurs : M.Phukan, S.R.Borah, S. Bhattacharyya, S. Gohain.

The SAC meeting of Krishi Vigyan Kendra, Jorhat for the year, 2016-17 was held at the Conference Hall, Directorate of Research (Agri), AAU, Jorhat on 23^{t h} March, 2016. At the very outset, Dr. H.C. Bhattacharyya, Director of Extension Education, AAU, Jorhat welcomed all the dignitaries present followed by self-introduction of the members and felicitation of the Chairman and the progressive farmers, KAAS adviser Sjt. T. Chutia and Proshen Baruah, District President KAAS, Jorhat. In his welcome address, Dr. H.C. Bhattacharyya, Director of Extension Education, AAU, Jorhat gave an overview on the importance of SAC meeting and highlighted the mandated activities of KVKs. He also requested CEMER &TI to supply some food plants for eri and muga silk worm.

Dr. R. Borgohain, Senior Scientist cum Head, KVK, Jorhat highlighted the action taken report of the previous year.

The Hon'ble Vice-Chancellor expressed his happiness to the house as almost all the points of action taken report for the year 2015-16 were taken up by KVK. Honorable Vice Chencellor informed the house that Jorhat district should be self sufficient in oilseed and pulses. For that, 4000 ha and 3000ha respectively for oilseed and pulses are to be covered for cultivation with farmer's participation and action plan to ascertain seed requirement etc. are to be prepared accordingly. He also stressed on "doubling the farmers income" and thus advised to prepare the action plan in addition to the mandatory activities. He highlighted about the emphasis of Govt. of India regarding organic farming in North Eastern India and fund mobilization for the same. He suggested concerned departments to give utmost priority to storage and marketing aspects of organic farming.

The Hon'ble Vice-Chancellor wanted to know the income of the farmer present in the meeting. Mrs. Runu Gogoi, farmwomen representative, informed that the monthly income of her family is around Rs. 16000 to Rs. 22000. He informed the house about the average income of farmers in Assam as Rs.6000/- and should be increased to Rs. 12000/-. He also emphasized that instead of increasing the production, our interest should be to plan production according to market demand i,e. demand driven agriculture. To double the farmer's income the obvious partners shall be government, farmer's associations, private companies (like Dabar, Patanjali etc). He advised the KVK to prepare the training modules and if needed they may be redesigned to suite the doubling farmer's income policy.

Senior Scientist cum Head, KVK Jorhat requested the Department of Fishery to appraise their plan and how KVK can collaborate with them. Mr. Chandan Kr. Gogoi, District Fishery Development Officer informed the house about Neel Biplav (Blue revolution)under which 1000 new pond digging is targeted in the district. The district demand of fish is 14,000MT/yr and district can produce 12,000MT. He appraised the house about some new projects of Fishery Department like, establishment of Fish Feed Unit, Eco Hatchery etc. with 80+20% subsidy module. He also apprised about Fisherman Insurance policy and suggested that action plan should be in the direction of Integrated fish farming , ornamental fish breeding(both for local as well as exotic fish), Soil/water testing facility, *Kuchiya* culture, *Magur* culture and Prawn culture.

In this regard Honorable Vice-Chancellor informed that, Assam is deficient of 3 Lakh MT of fish and by increasing the productivity of the existing pond, production can be increase by 50-60%.

Senior Scientist cum Head, KVK Jorhat requested the Veterinary Department to appraise the possibility of collaboration of work with KVK. Dr. Nripen Khound, SDVO, Jorhat informed that no such new scheme are under Veterinary Department which can be collaborated with KVK.

Honorable Vice-Chancellor wanted to know if KVK can intervene with the non performing Kaliapani veterinary farm. DVO informed that AAU authority can take up the matter with the higher authority of Veterinary Department for taking up of new Livestock Seed Production Programme to make nonperforming Kaliapani Farm a vibrant one.

Mr. T. Chutia, Advisor KASS highlighted the problem of marketing of different agricultural products. He requested the Honarable Vice-Chancellor to take up the matter higher up for improving marketing scenario. Honorable Vice-Chancellor informed him that under doubling farmer's income marketing aspect shall be covered.

Dr. Urmimala Hazarika, CEMR&TI, appraised the house that, they can supply the seedlings of silk worm food plant for making sericulture as a component in IFS. She also apprised that KVK can start a program in Kaliapani Sericulture Farm, Tipomia. Henceforth, Honorable Vice-Chancellor directed Dr.L.K Hazarika to visit the Tipomia Sericulture Farm to ascertain the feasibility of the programme.

The meeting ended with the vote of thanks.

Members Present:

- 1. Dr. K. M. Bujarbaruah, Vice Chancellor, AAU, Jorhat, Chairman.
- 2. Dr. H. C. Bhattacharya, Director of Extension Education, AAU, Jorhat.
- 3. Dr. G. N. Hazarika, Director of Research (Agri), AAU, Jorhat.
- 4. Dr. Chandan Sarmah, Faculty, ETC, SIPRD, Jorhat.
- 5. Mr. Pranjal Mahanta, SDAO, CDO Jorhat.
- 6. Dr. R. K.Saud, Assoc. Director of Extension Education (P&I), AAU, Jorhat
- 7. Dr. Rupam Borgohain, Programme Coordinator, KVK, Jorhat
- 8. Dr. Utpala Goswami, Senior Extension Specialist, DoEE, AAU, Jorhat
- 9. Mr. Anjan Dutta, NEADS, Dhekiakhuwa, Jorhat.
- 10. Dr. Urmimala Hazarika, Scientist D, CMER&TI, Lahdoighar.
- 11. Dr. Nripen Khound, SDO, DVO,Office, Jorhat.
- 12. Dr. R. M. Karmakar, Department of Soil Science, Jorhat.
- 13. Mr. Rupak Bhuyan, Fr-I, Jorhat Forest Division, Jorhat.
- 14. Mrs. Purabi Handique, Extention Officer, Assistant Director of Soil Science.
- 15. Mr. J.N. Borah, DICC, Jorhat,
- 16. Dr. Rajib Kr. Borah, Rain Forest Research Institute
- 17. Sri Thaneswar Chutia, Advisor KASS, Balijonia, Jorhat
- 18. Sri. Proshen Baruah , President KAAS, Jorhat District
- 19. Mr. Bhaskar Jyoti Gogoi, All India Radio, Jorhat.
- 20. Mrs. B.Dutta Tamuly, Dist Development Commissioner, Jorhat.
- 21. Mr. Madhav Chandra Doley, EE(Agri), Jorhat Division, Jorhat, Borbheti.
- 22. Mr. Chandan Kr. Gogoi, District Fishery Development Officer, Jorhat.
- 23. Mrs. Sanyita Borthakur, DSWO, Jorhat.
- 24. Dr. R.C. Borah, DoEE, AAU, Jorhat.
- 25. Dr. M. K. Sarma, DoEE, AAU, Jorhat.
- 26. Dr. P.K. Pathak, ADR, AAU, Jorhat.
- 27. Dr. Tamizuddin Ahmed, Chief Scientist, RARS, Titabor
- 28. Dr.L.K.Hazarika, Department of Entomology, Faculty of agriculture.
- 29. Mr. Biman Gogoi, Farmer Representative, Khanamukh.
- 30. Mr. Pranjit Rajkowa, Farmer Representative, Bhagamukh
- 31. Mrs. Asha Borah Morang, Farm women Representative, Dangdhara, Titabor.
- 32. Mrs. Runu Gogoi, Farm women Representative, Mybelia.

2. DETAILS OF DISTRICT

| 2.1 | Major farming systems/enterprises (based on the analysis made by the KVK) |
|--------|---|
| Sl. No | Farming system/enterprises |
| 1. | Agri – Horti – Animal husbandry – Fishery |
| 2. | Agri – Horti – Animal husbandry |
| 3. | Agri – Horti – Fishery |
| 4 | Agri – Horti |

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

| Sl. No | Agro-cli | matic Zone | Characteristics |
|--------|----------|-------------|--|
| 1 | Upper | Brahmaputra | The Upper Brahmaputra Valley Agro-climatic Zone is characterized by the |
| | Valley Z | Lone | existence of hills, high land, plain land and char areas. Soils of this zone |
| | | | consist of mostly recent immature alluvium in char areas to mature ultisol in |
| | | | the piedmont, high land and hilly areas in the southern part. These soils fall |
| | | | under Entisol order. Annual rainfall varies from 1,200 mm to 2,400 mm. The |
| | | | temperature of the zone varies from a maximum of 37°C to a minimum of |
| | | | 7°C on an average. The zone, however, shows considerable variation in |
| | | | physiography, climate, soil, flood proneness, socioeconomic condition and |
| | | | cropping patters. Based on these parameters, the zone is further classified |
| | | | into eight Agro-Ecological Situations. Out of them six exist in the district |
| | | | and out of them two are related with forest and tea growing areas. |

2.3 Soil type/s

| Sl. | Soil type | Characteristics | Area in ha |
|-----|------------|---|------------|
| No | | | |
| 1. | Sandy | Contains sand separates 70% or more of the material by weight | 15169 |
| 2. | Sandy loam | Exhibits property in between sandy and loam and contains more | 89070 |
| | | sand separates than loam | |
| 3. | Loam | Contains a mixture of sand, silt and clay particles which exhibit | 12491 |
| | | light and heavy properties in about equal proportion | |
| 4. | Silty clay | Contains more silt and clay than loam | 23545 |
| | loam | | |
| 5. | Clay | Contains atleast 35% of clay separates and in most cases not less | 12626 |
| | | than 40% | |

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

| Sl. No. | Сгор | Area (ha) | Production (Qtl) | Productivity (Qtl /ha) |
|---------|--------------|-----------|------------------|------------------------|
| 1. | Autumn paddy | 6450.00 | 161300.00 | 25.00 |
| 2. | Winter paddy | 83100.00 | 2492900.00 | 30.00 |
| 3. | Summer paddy | 2710.00 | 56600.00 | 20.94 |
| 4. | Wheat | 520.00 | 600.00 | 12.00 |
| 5. | Black gram | 2980.00 | 17900.00 | 6.00 |
| 6. | Green gram | 2070.00 | 12400.00 | 6.00 |
| 7. | Pea | 1050.00 | 6200.00 | 5.94 |
| 8. | Lentil | 520.00 | 2700.00 | 5.20 |
| 9. | Mustard | 9390.00 | 80000.00 | 8.50 |
| 10. | Sesame | 220.00 | 1100.00 | 5.20 |
| 11. | Potato | 3110.00 | 298000.00 | 96.00 |

| 12. | Sugarcane | 500.00 | 16700.00 | 33.75 |
|-----|-------------------|---------|-----------|--------|
| 13. | Ridge gourd | 270.00 | 5000.00 | 18.20 |
| 14. | Pumpkin | 610.00 | 30200.00 | 50.00 |
| 15. | Kharif vegetables | 3600.00 | 310300.00 | 86.20 |
| 16. | Rabi vegetables | 6500.00 | 429900.00 | 66.16 |
| 17. | Garlic | 890.00 | 53400.00 | 60.00 |
| 18. | Ginger | 150.00 | 7800.00 | 52.00 |
| 19. | Areca nut | 3090.00 | 593200.00 | 192.00 |
| 20. | Banana | 3400.00 | 519400.00 | 153.00 |
| 21. | Assam Lemon | 920.00 | 106200.00 | 115.40 |

2.5. Weather data

| Month | Rainfall (mm) | Temperature ⁰ C | | Relative Humidity (%) |
|--------------|---------------|----------------------------|---------|-----------------------|
| | | Maximum | Minimum | |
| April'16 | 365.7 | 28.2 | 18.5 | 84.0 |
| May'16 | 346.5 | 31.0 | 22.4 | 86.5 |
| June'16 | 380.2 | 31.6 | 24.4 | 87.0 |
| July'16 | 401.9 | 34.0 | 25.3 | 88.0 |
| August'16 | 117.9 | 32.0 | 24.9 | 86.5 |
| September'16 | 215.8 | 32.3 | 24.6 | 84.5 |
| October'16 | 97.5 | 31.1 | 21.0 | 80.5 |
| November'16 | 17.3 | 27.5 | 15.1 | 75.0 |
| December'16 | 20.2 | 22.9 | 10.9 | 72.5 |
| January'17 | 0.0 | 22.3 | 9.9 | 71.0 |
| February'17 | 36.9 | 24.2 | 13.3 | 72.2 |
| March'17 | 142.9 | 27.3 | 16.3 | 79.4 |

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

| Category | Population | Production | Productivity |
|-------------------|------------|--------------------------|----------------------------|
| Cattle | | | |
| Crossbred | 13126 | 57.70 million lit (Milk) | 236 lit/ animal/ lactation |
| Indigenous | 474886 | | (Average) |
| Buffalo | 29845 | 0.80 Million lit (Milk) | 180 lt/lactation/period of |
| | | | average 120 days |
| Sheep | | | |
| Crossbred | - | - | - |
| Indigenous | 330 | - | - |
| Goats | 170793 | 0.425 million kg (Meat) | 8 kg/goat |
| Pigs | | | |
| Crossbred | 85625 | 0.25 million kg (Pork) | 55 kg./pig (Average) |
| Indigenous | 202797 | | |
| Rabbits | - | - | - |
| Poultry | | | |
| Hens | | | |
| Desi | 444062 | 51.0 million nos | 45 nos/ bird/yr (average) |
| Improved | 12275 | _ | 150 nos/ bird/ yr(average) |
| Ducks | 190000 | | 45 nos/ bird/yr (average) |
| Turkey and others | | | |

| Category | Area | Production | Productivity |
|----------|-------------|------------|--------------|
| Fish | | | |
| Marine | | | |
| Inland | 43553.49 ha | 10468.68 t | 0.24 t/ha |
| Prawn | | | |
| Scampi | | | |
| Shrimp | | | |

Note: Pl. provide the appropriate Unit against each enterprise

2.7 Details of Operational area / Villages (2016-17)

| SI. | Taluk | Name of the | Name of the village | Major crops & | Major problem | Identified thrust area |
|-----|---------|-------------|----------------------|-------------------|--|-------------------------------------|
| No. | | block | | enterprises | identified | |
| 1 | Teok | Kaliapani | Boloma Moran Gaon | Vegetables | 1. Unawareness about scientific crop production | 1. ICM |
| | | | | | 2. Nematode infestation in cucurbitaceous | 2. Processing and value addition |
| | | | | | vegetables | 3. Entrepreneurship development |
| | | | | | 3. Low participation of women in agriculture | 4. Women empowerment |
| | | | | | | 5. IPM |
| 2 | Kakojan | Sipahikhola | Fesual - II | Vegetable, | 1. Lack of scientific knowledge in crop production | 1. ICM and IPM on vegetables |
| | | | | Dairy, rice, | especially for vegetables | 2. Group marketing |
| | | | | fishery, duckery | 2. Lack of organized milk market | 3. Integrated livestock production |
| | | | | | 3. Lack of knowledge about management of group | and management |
| | | | | | 4. Lack of knowledge and skill on scientific fish | 4. Group mobilization |
| | | | | | rearing | 5. Composite fish farming |
| 3 | Garmur | Kamalabari, | Mahkinagaon, Borbari | Toria, | 1. Lack of HYV of rapeseed | 1. Introduction of newly released |
| | | Majuli | gaon, Bhakat Chapori | vegetables, | 2. Lack of awareness about water management | variety |
| | | | | sugarcane, rice | 3. Unorganized market | 2. Integrated crop management |
| | | | | | 4. Infestation of white grub in vegetable crops | 3. IPM for vegetables |
| | | | | | 5. Lack of knowledge about scientific cultivation of | 3. Marketing |
| | | | | | kharif pulse and oilseed | |
| 4 | Lahing | Selenghat | Siram Missing gaon | Rice, piggery, | 1. Low yield of local rice variety | 1. Introduction of HYV of sali rice |
| | | | | poultry | 2. Lack of knowledge about cultivation practices of | 2. ICM and IPM |
| | | | | | HYV Sali rice. | 3 Integrated livestock |
| | | | | | 3. Problem of water stagnation during planting | management |
| | | | | | period | 4. Integrated poultry management |
| | | | | | 3. Poor growth of pig | 5. Women empowerment |
| | | | | | 4 Incidence of diseases of poultry and pig | |
| | | | | | 5. Lack of knowledge of farm women about | |
| | | | | | livestock management | |
| 5 | Teok | Sipahikhola | Bailunggaon | Vegetables, rice, | 1. Lack of knowledge on management practices of | 1. ICM and IPM of fruits and |
| | | | | tea, poultry, | vegetables | vegetables |
| | | | | fruits | 2. Low production of fruits, especially banana | 2. Integrated poultry farming |
| | | | | | 3. Low performance of desi poultry birds | 3. Mobilization of CIG |
| 6 | Lahing | Selenghat | Changmaigaon, | Tea, goatery and | 1. Non availability of scented Sali HYV | 1. Introduction of scented HYV of |
| | | | Adarsha gaon | poultry | 2. Low production of local scented varieties | Sali rice |

| 7 | Lahing | Selenghat | Haloapathar | Rice, rabi | 1. Lack of knowledge about scientific cultivation of | 1. ICM and IPM for high value |
|----|------------|-------------|-----------------------|------------------|--|------------------------------------|
| | | | | Vegetables, | high value vegetables | vegetables |
| | | | | potato | 2. Non availability of quality seeds and planting | 2. Group mobilization |
| | | | | | material | 3. Entrepreneurship development |
| 8 | Simaluguri | Kaliapani | Dhemajigaon | Rice, Banana, | 1. Lack of commercial attitude towards banana | 1. ICM of fruit crops |
| | | | | poultry | cultivation | 2. Production of quality planting |
| | | | | | 2. Non availability of quality planting material | material of banana |
| | | | | | 3. Low yield of fruit crops | 3. Group mobilization |
| | | | | | 4. High mortality of poultry | 4. Integrated disease management |
| | | | | | | of poultry |
| 9 | Teok | Kaliapani | Kaowimari | Rice, fishery, | 1. Monocropping | 1. Group mobilization |
| | | | | vegetable, | 2. Low yield of available rice varieties | 2. Wasteland utilization through |
| | | | | livestock | 3. Lack of scientific knowledge about natural fish | boro rice cultivation and |
| | | | | | farming | community fish farming |
| 10 | Lahing | Selenghat | Majkuri | Sali rice, | 1. High incidence of pests and diseases of | 1. ICM and IPM of vegetables |
| | | | | vegetable, | vegetables | 2. Production of quality paddy |
| | | | | livestock | 2. Lack of knowledge on judicious application of | seeds |
| | | | | | pesticides | 3. Popularization of high value |
| | | | | | 3. Lack of knowledge on scientific cultivation of | vegetables |
| | | | | | high value vegetables | |
| 11 | Teok | Kaliapani | Narrang pachanigaon | Banana | 1. Low productivity, Water scarcity during winter | 1. Introduction of integrated crop |
| | | | | | | management |
| 12 | Simaluguri | Kaliapani | Kaliapani gohaingaon | Banana | 1. Low productivity, Water scarcity during winter | 1. Introduction of integrated crop |
| | | | | | | management |
| | | | | | | |
| 13 | Simaluguri | Kaliapani | Amtol | Black pepper | 1. Lack of quality planting material | 1. Production of quality planting |
| | | | | | 2. Low yield | material |
| 14 | Bebejia | Titabar | Bor era gaon, | Rice | 1. Occurrence of severe draught | 1. Water management of rice |
| | | | Mejenga Grant 1 & 2, | | | 2. Rain water harvesting |
| | | | Dakhin pat gaon, | | | |
| | | | Silikha Sanatan gaon, | | | |
| | | | Madhapur, Tipumia, | | | |
| | | | Rajabari | | | |
| 15 | Garumara | Dhekergarah | Ganakbari | Vegetables, rice | 1. Lack of knowledge on water management | 1. Water management |
| | | | | | practices | |

Page | 16 | Annual Progress Report, KVK, Jorhat, 2016-17

| 16 | Meleng | Sipahikhola | Sudamoa gaon | Rice, vegetables | 1. Low yield of rice | 1. Crop intensification |
|----|------------|-------------|----------------------|------------------|--|------------------------------------|
| | | | | | 2. Under-utilization of existing fallow lands | 2. ICM and IPM of rice |
| | | | | | | 3. Group mobilization |
| 17 | Mariani | | Kheremiagaon, | Winter and | 1. Low productivity of traditionl vaiety. | 1. Organic vegetable and fruit |
| | | | Danigaon, Bongaon, | kharif | 2. Unawareness of scientific production technology | production. |
| | | | Bahonigaon, | vegegtable, | 3. Unscientific horticultural pocket. | 2. Entrepreneurship development |
| | | | Newsonowal | Potato, | 4. Under utilization of natural resources. | for rural youths and farm women. |
| | | | missingaon | rapeseed, black | | 3. Integrated Nutrient |
| | | | | peper, banana, | | Management. |
| | | | | goatery, | | 4. Increasing crop productivity |
| | | | | duckery, pine | | through scientific management |
| | | | | apple | | 5. Introduction of improved bred |
| | | | | | | of pig and poultry suitable for |
| | | | | | | backyard rearing. |
| | | | | | | 6. IPDM in crop and vegetables. |
| 18 | Kamalabari | Majuli | Mahkina gaon, Bhakat | Sali rice, | 1. Low crop productivity | 1. Integrated farming systems |
| | | Development | chapari, Danigaon, | rapeseed & | 2. Unawareness of scientific production technology | 2. Entrepreneurship development |
| | | Block | Borbarigaon, Gormur, | mustard, rabi | 3. Pest and disease incidence especially in | for rural youths and farm women. |
| | | | Kamalabari, Gormur, | vegetables, | vegetables | 3. Integrated Nutrient |
| | | | Aauniati | potato, garlic, | 4. Injudicious use of pesticides | Management. |
| | | | | apiary piggery, | 5. Traditional low productive pig, duck poultry | 4. Increasing crop productivity |
| | | | | fish production | production. | through scientific management |
| | | | | | 6. Lack of management of natural depression for | 5. Integrated livestock production |
| | | | | | fish production | and management |
| | | | | | | 6. Introduction improved bred of |
| | | | | | | pig, duck and poultry suitable for |
| | | | | | | backyard rearing. |
| | | | | | | 7. IPDM in crop and vegetables. |

| 19 | Fesual | Central | Fesual No-II goan, | Potato, kharif | 1. Mono cropping | 1. Rain water harvesting |
|----|------------|---------------|------------------------|------------------|---|------------------------------------|
| | | Devevelopment | Fesual No-I gaon, | and rabi | 2. Unorganised marketing of Milk, Kharif and | 2. Increasing crop productivity |
| | | Block, | Holongpara | vegetables, | Winte vegetable | through scientific management |
| | | Chipahikhola | Gohaingaon, | ginger, banana, | 3. Water scarcity during winter season | 3. Orgnanised marketing under |
| | | | Karigaon, Jotokia, | Assam lemon, | 4. Lack of awareness about child care and nutrition | group approach. |
| | | | Hingipulia | fishery, | 5. Pest and disease incidence | 4. Integrated pest and disease |
| | | | | Goatery, dairy | 6. Injudicious use of chemical pesticides | management |
| | | | | Mushroom | | 5. Entrepreneurship development |
| | | | | | | for rural youths |
| | | | | | | 6. Integrated farming systems |
| | | | | | | 7. Women empowerment |
| 20 | Allengmora | Dhekorgora | Namdeori, Upardeori, | Kharif & Rabi | 1. Low yielding variety | 1. Integrated pest and disease |
| | | Development | Bahfola, | Vegetables, | 2. Unawareness of scientific production technology | management on vegetables |
| | | Block | Koriamari,Neolgaon,L | Piggery, Poultry | 3. Pest and disease incidence especially in | 2. Group marketing |
| | | | oliti, Kolia, Dhudang, | | vegetables | 3. Integrated livestock production |
| | | | Malowkhat | | 4. Injudicious use of pesticides | and management |
| | | | | | 5. Traditional low productive pig, duck poultry | 4. Integrated farming systems |
| | | | | | production. | 5. Introduction improved bred of |
| | | | | | 6. Lack of management of natural depression for | pig, duck and poultry suitable for |
| | | | | | fish production | backyard rearing. |
| | | | | | | 6. Integrated Nutrient |
| | | | | | | Management |
| | | | | | | 7. Production of quality piglets. |

| 21 | Nakachari | Chipahikhola | Maibelia, Aag | Sali rice, rabi | 1. Low crop productivity | 1. Integrated farming systems |
|----|-----------|--------------|--------------------|--------------------------|--|------------------------------------|
| | | Development | Chamua, Lahon Gaon | vegetables, | 2. Unawareness of scientific production technology | 2. Entrepreneurship development |
| | | Block | | duckery, | 3. Pest and disease incidence especially in | for rural youths and farm women. |
| | | | | poultry, fish vegetables | | 3.Establishment of commodity |
| | | | | production, | 4. Injudicious use of pesticides | village. |
| | | | | mushroom, food | 5. Traditional low productive duck, poultry | 4. Increasing crop productivity |
| | | | | preservation, | production. | through scientific management |
| | | | | weaving | 6. Lack of management of natural depression for | 5. Integrated livestock production |
| | | | | | fish production | and management |
| | | | | | 7. Lack of technical knowledge regarding | 6. Introduction improved bred of |
| | | | | | commercial production | duck and poultry suitable for |
| | | | | | | backyard rearing. |
| | | | | | | 7. IPDM in crop and vegetables. |

<u>3. TECHNICAL ACHIEVEMENTS</u>

3. A. Details of target and achievements of mandatory activities by KVK during 2016-17

| Discipline | 0 | OFT (Technology Asses | ssment and Ref | ïnement) | FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises) | | | | | |
|------------------|----------------|-----------------------|-------------------|-------------|--|-------------|---------|---------------|--|--|
| | 1 | | | | | 2 | | | | |
| | Number of OFTs | | Number of Farmers | | Nun | ber of FLDs | Numb | er of Farmers | | |
| | Targets | Achievement | Targets | Achievement | Targets | Achievement | Targets | Achievement | | |
| Agronomy | 4 | 4 | 14 | 14 | 7 | 7 | 35 | 35 | | |
| Soil Science | 5 | 5 | 21 | 21 | 2 | 2 | 6 | 6 | | |
| Plant Protection | 4 | 4 | 14 | 14 | 2 | 2 | 77 | 77 | | |
| Horticulture | 2 | 2 | 5 | 5 | | | | | | |
| Animal Science | 5 | 5 | 45 | 45 | 3 | 3 | 15 | 15 | | |
| Home Science | 4 | 4 | 50 | 50 | 5 | 5 | 68 | 68 | | |
| Fishery Science | - | - | - | - | 3 | 3 | 9 | 9 | | |
| Total | 24 | 24 | 149 | 149 | 22 | 22 | 210 | 210 | | |

Note: Target set during last Annual Zonal Workshop

| Training (includi | ng sponsored, v | vocational and other t | ainings carrie | ed under Rainwater | Extension Activities | | | | | |
|-------------------|---|------------------------|----------------|--------------------|----------------------|------------------|------------------------|--|--|--|
| Harvesting Unit) | | | | | | | | | | |
| | 3 | | | | | | 4 | | | |
| N | Number of Courses | | | r of Participants | Numb | er of activities | Number of participants | | | |
| Clientele | ntele Targets Achievement Targets Achievement | | Targets | Achievement | Targets | Achievement | | | | |

Page | 19 | Annual Progress Report, KVK, Jorhat, 2016-17

| Farmers | | | | | | | | | | | |
|---------------|------------------------|---|-----------|----|--|----------------------------------|--|--|-------------|--|--|
| Rural youth | | | | | | | | | | | |
| Extn. | | | | | | | | | | | |
| Functionaries | | | | | | | | | | | |
| | | | | | | | | | | | |
| Total | | | | | | | | | | | |
| | Seed Production (ton.) | | | | | Planting material (Nos. in lakh) | | | | | |
| | | 5 | | | | 6 | | | | | |
| Т | arget | | Achieveme | nt | | Target | | | Achievement | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

Note: Target set during last Annual Zonal Workshop

3. B. Abstract of interventions undertaken during 2016-17

| Sl. | Thrust area | Crop/ | Identified problems | | | Interventions | | | |
|-----|-------------|---------------|----------------------|------------------|--------------|---------------|-----------|---------------|----------------|
| No | | Enterprise | | Title of OFT | Title of FLD | Title of | Title of | Extension | Supply of |
| | | | | | | Training | training | activities | seeds, |
| | | | | | | | for | | planting |
| | | | | | | | extension | | materials etc. |
| | | | | | | | personnel | | |
| 1 | Varietal | Lentil Rice | i.Low cropping | Performance | - | - | - | Method | Seeds, |
| | Evaluation | variety | intensity | assessment of | | | | demonstration | Fertilizers, |
| | | (utera) : Bas | ii) Poor performance | lentil vars. HUL | | | | | Pesticides |
| | | Dhan | of non descriptive | 57, Moitree, KLS | | | | | |
| | | | /local variety | 218 under rice | | | | | |
| | | | | utera condition | | | | | |
| | | | | with farmers | | | | | |
| | | | | participatory | | | | | |
| | | | | mode | | | | | |

| 2 | Niger, | Less diversification of | Performance | - | - | - | Method | Seeds, |
|---|--------------|-------------------------|-----------------------|-----------------------|---|---|---------------|--------------|
| | buckwheat | crops | assessment of few | | | | demonstration | Fertilizers, |
| | | | new crops in the | | | | | Pesticides |
| | | | district suitable for | | | | | |
| | | | crop | | | | | |
| | | | diversification and | | | | | |
| | | | environmental | | | | | |
| | | | stress mitigation | | | | | |
| | | | (crop: niger, | | | | | |
| | | | buckwheat) | | | | | |
| 3 | Toria | Lack of HYV for late | Assessment of | - | - | - | Method | Seeds, |
| | | sown condition | production | | | | demonstration | Fertilizers, |
| | | | performance of | | | | | Pesticides |
| | | | toria variety TRC | | | | | |
| | | | Toria | | | | | |
| 4 | Rice variety | - | - | Demonstration of | - | - | Method | Seeds, |
| | KDML 105 | | | aromatic premium | | | demonstration | Fertilizers, |
| | (Padumoni) | | | quality rice variety | | | | Pesticides |
| | | | | KDML 105 | | | | |
| | | | | (Padumoni) suitable | | | | |
| | | | | for semi deep water | | | | |
| | | | | situation | | | | |
| 5 | Sali rice | - | - | Demonstration on | - | - | Method | Seeds, |
| | variety TTB | | | rice-toria double | | | demonstration | Fertilizers, |
| | 404 | | | cropping with | | | | Pesticides |
| | (Shrawoni) | | | medium duration HY | | | | |
| | | | | Sali rice variety TTB | | | | |
| | | | | 404 (Shrawoni) and | | | | |
| | | | | HY toria variety TS | | | | |
| | | | | 38 with farmers | | | | |
| | | | | participatory mode | | | | |

| 6 | Direct - | - | Demonstration on | - | - | Method | Seeds, |
|----|----------------|---|------------------------|---|---|---------------|--------------|
| | seeded Sali | | direct seeded paddy | | | demonstration | Fertilizers, |
| | paddy var. | | var. Luit in flood | | | | Pesticides |
| | Luit | | affected areas of | | | | |
| | | | Jorhat with farmers | | | | |
| | | | participatory mode | | | | |
| 7 | HY Variety: - | - | Demonstration on | - | - | Method | Seeds, |
| | Kanaklata | | cultivation of HY | | | demonstration | Fertilizers, |
| | | | boro paddy variety | | | | Pesticides |
| | | | 'Kanaklata' with | | | | |
| | | | farmer's participatory | | | | |
| | | | mode | | | | |
| 8 | Hybrid - | - | Demonstration of | - | - | Method | Seeds, |
| | napier (Var : | | Year round Fodder | | | demonstration | Fertilizers, |
| | NB 21, | | Production | | | | Pesticides |
| | IGFRI-6, | | | | | | |
| | <i>CO-2</i>) | | | | | | |
| | Seteria (Var: | | | | | | |
| | Kazungula | | | | | | |
| | and Nandi) | | | | | | |
| 9 | HY Variety: - | - | Demonstration on | - | - | Method | Seeds, |
| | Doria, | | sugarcane HY | | | demonstration | Fertilizers, |
| | Kapilipar, | | varieties and farmers | | | | Pesticides |
| | Kalang, | | | | | | |
| | Borak, | | participatory variety | | | | |
| | Dhansiri | | selection | | | | |
| | Check : | | | | | | |
| | Farmers | | | | | | |
| | variety (Aki | | | | | | |
| | puria) | | | | | | |
| 10 | Mushroom - | - | Cultivation of | - | - | Method | Spawn, |
| | var. Oyster | | Mushroom var. | | | demonstration | packets |
| | (P. ostrietus) | | Oyster | | | | |

| 11 | | Yellow | Non availability of | Varietal | - | - | - | Method | Seeds, |
|----|------------|---------------|-------------------------|---------------------|---------------------|---|---|---------------|--------------|
| | | Sarson | short duration yellow | Evaluation of | | | | demonstration | Fertilizers, |
| | | Variety | Sarson variety | Yellow Sarson | | | | | Pesticides |
| | | (Variety- | | Variety (Variety- | | | | | |
| | | YSH-401) | | YSH-401) | | | | | |
| 12 | | Mushroom | Lack of year round | Year round paddy | - | - | _ | Method | Seeds, |
| | | variety | mushroom varieties | straw Mushroom | | | | demonstration | Fertilizers, |
| | | Ostrietus – | | variety Ostrietus - | | | | | Pesticides |
| | | 444 | | 444 | | | | | |
| 13 | | Congo | Fodder production | Productive | - | - | - | Method | Seeds, |
| | | Signal and | through out the year | performance of | | | | demonstration | Fertilizers, |
| | | hybrid napier | (specially in lean | fodder (Congo | | | | | Pesticides |
| | | | period) is always a | Signal and hybrid | | | | | |
| | | | constrain to the dairy | napier) for dairy | | | | | |
| | | | farmer | cattle | | | | | |
| 14 | Integrated | Lentil | Plant density | Effect of seed rate | - | - | - | Method | Seeds, |
| | Crop | | management | on the | | | | demonstration | Fertilizers, |
| | Management | | | productivity of | | | | | Pesticides |
| | | | | lentil | | | | | |
| 15 | | Maize | | | Integrated crop | - | - | Method | Seeds, |
| | | | | | management of maize | | | demonstration | Fertilizers, |
| | | | | | | | | | Pesticides |
| 16 | Integrated | Lathyrus | Non adoption of | INM in Lathyrus | - | - | - | Method | Seeds, |
| | Nutrient | Variety: | integrated nutrient | under Rice Utera | | | | demonstration | Fertilizers, |
| | Management | Nirmal | management practices | condition | | | | | Pesticides |
| | | | in Lathyrus and lack | (Lathyrus Variety: | | | | | |
| | | | of awareness about | Nirmal) | | | | | |
| | | | low BOAA | | | | | | |
| | | | containing Lathyrus | | | | | | |
| L | | | variety | | | | | | |
| 17 | | Lentil | To reduce loss of N | Foliar Nutrition | - | - | - | Farmers | Paddy seeds, |
| | | | from applied fertilizer | Supplementation | | | | scientist | fertilizers, |
| | | | and supply of N at | in Lentil | | | | interaction | pesticides |
| | | | critical stage of crop | | | | | | |
| | | | growth | | | | | | |

Page | 23 | Annual Progress Report, KVK, Jorhat, 2016-17

| 18 | | Toria | - | - | Integrated Nutrient | - | - | Method | Seeds, |
|----|-----|--------------|-----------------------|---------------------|--------------------------|---|---|---------------|--------------|
| | | (Variety-TS- | | | Management(INM)in | | | demonstration | Fertilizers, |
| | | 38) | | | Toria (Variety-TS- | | | | Pesticides |
| | | | | | 38) | | | | |
| 19 | | Lentil | - | - | Integrated Nutrient | - | - | Method | Seeds, |
| | | (Variety— | | | Management (INM) | | | demonstration | Fertilizers, |
| | | Moitree/KLS | | | in Lentil (Variety- | | | | Pesticides |
| | | 218) | | | Moitree/KLS 218) | | | | |
| 20 | | Toria | 1. High present | Integrated | - | - | - | Method | Seeds, |
| | | (Variety-TS- | recommended seed | Nutrient | | | | demonstration | Fertilizers, |
| | | 38) | rate at AAU | Management in | | | | | Pesticides |
| | | | package | Toria (Variety- | | | | | |
| | | | 2. Zn is not | TS-38) | | | | | |
| | | | recommended as | | | | | | |
| | | | micronutrient | | | | | | |
| | | | fertilizer in Assam | | | | | | |
| | | | 3. RD of fertilizer | | | | | | |
| | | | is less as compared | | | | | | |
| | | | to national | | | | | | |
| | | | recommendation. | | | | | | |
| 21 | IPM | Rice | - | - | T- perch as roosting | - | - | Method | Seeds, |
| | | | | | site for insectivorous | | | demonstration | Fertilizers, |
| | | | | | birds in rice field as a | | | | Pesticides |
| | | | | | component of IPM | | | | |
| 22 | | Rice | Injudicious use of | Biological | - | - | - | Method | Seeds, |
| | | | chemical pesticides | suppression of | | | | demonstration | Fertilizers, |
| | | | against major insect | Rice pest (BIPM | | | | | Pesticides |
| | | | pest of Rice | package) | | | | | |
| | | | | | | | | | |
| 23 | | Brinjal, | Injudicious use of | Efficacy of | - | - | - | Method | Seeds, |
| | | Tomato, | chemical pesticides | different | | | | demonstration | Fertilizers, |
| | | cucurbit | against major insect | pheromones in | | | | | Pesticides |
| | | | pest of horticultural | controlling insect | | | | | |
| | | | crops | pest in | | | | | |
| | | | | horticultural crops | | | | | |

Page | 24 | Annual Progress Report, KVK, Jorhat, 2016-17

| 24 | | Potato | High Infestation of | Management of | - | - | - | Method | Seeds, |
|----|------------|--------------|--------------------------|---------------------|---|---|---|---------------|--------------|
| | | | red ants in potato | red ant, Dorylus | | | | demonstration | Fertilizers, |
| | | | | orientalis in | | | | | Pesticides |
| | | | | potato | | | | | |
| 25 | Organic | Bhut Jolokia | 1. Indiscriminat | OFT on | - | - | - | Method | Seeds, |
| | management | | e use of chemical | Assessment of | | | | demonstration | Fertilizers, |
| | | | fertilizer and | organic Bhut | | | | | Pesticides |
| | | | plant protection | Jolokia cultivation | | | | | |
| | | | chemicals | package | | | | | |
| | | | 2. Absence of | | | | | | |
| | | | organic package | | | | | | |
| | | | for Bhut Jolokia | | | | | | |
| 26 | | Turmeric var | Indiscriminate use of | Organic | - | - | - | Method | Seeds, |
| | | Mrgha 1 | fertilizers, pesticides, | Cultivation of | | | | demonstration | Fertilizers, |
| | | | and weedicide at | Turmeric var | | | | | Pesticides |
| | | | field level | Mrgha 1 | | | | | |
| 27 | | Ginger var. | Indiscriminate use of | Organic | - | - | - | Method | Seeds, |
| | | Nadia | fertilizers, pesticides, | Cultivation of | | | | demonstration | Fertilizers, |
| | | | and weedicide at | Ginger var. | | | | | Pesticides |
| | | | field level | Nadia | | | | | |

| 28 | | Turkey | 1. High fat content | Productive | - | - | - | Method | Seeds, |
|----|--------------|---------------|---------------------|--------------------|----------------------|---|---|---------------|--------------|
| | | | of poultry meat. | performance of | | | | demonstration | Fertilizers, |
| | | | 2. Awareness of | Turkey for lean | | | | | Pesticides |
| | | | people for good | meat production in | | | | | |
| | | | food and health | Jorhat district | | | | | |
| | | | coniouness. | | | | | | |
| | | | 3. Buying capacity | | | | | | |
| | | | of the general | | | | | | |
| | | | people has | | | | | | |
| | | | increase. | | | | | | |
| | | | 4. Requirement of | | | | | | |
| | | | lean meat. | | | | | | |
| | | | 5. Animal protein | | | | | | |
| | | | source for | | | | | | |
| | | | hypertensive and | | | | | | |
| | | | diabetic person. | | | | | | |
| 29 | Feed | Piggery | - | - | Demonstration of | - | - | Method | AAUVETMIN |
| | Management | | | | mineral mixture | | | demonstration | |
| | - | | | | (AAUVETMIN) | | | | |
| | | | | | supplementation in | | | | |
| | | | | | growth of weanling | | | | |
| | | | | | piglets | | | | |
| 30 | Breed | Vigova | - | - | Demonstration on | - | - | Method | Vigova Super |
| | introduction | Super broiler | | | productive | | | demonstration | broiler duck |
| | | duck | | | performance of | | | | |
| | | | | | Vigova Super broiler | | | | |
| | | | | | duck | | | | |
| 31 | Breed | Kalinga | - | - | Demonstration on | - | - | Method | Kalinga |
| | Evaluation | Brown | | | productive | | | demonstration | Brown |
| | | Backyard | | | performance of | | | | |
| 1 | | Poultry | | | Kalinga Brown | | | | |
| | | | | | Backyard Poultry | | | | |

| 32 | | Rainbow as | Low productivity of | Assessment of | - | - | - | Method | Seeds, |
|----|--------------|--------------|-----------------------|--------------------|-----------------------|---|---|---------------|--------------|
| | | backyard | local hen both terms | Productive | | | | demonstration | Fertilizers, |
| | | farming | of egg and meat | performance of | | | | | Pesticides |
| | | | production | Rainbow as | | | | | |
| | | | | backyard farming | | | | | |
| | | | | in Jorhat district | | | | | |
| 33 | Healthcare | Jatropa oil | 1. Herbal based | Performance for | - | - | - | Method | Seeds, |
| | | based herbal | ointment. | assessing jatropa | | | | demonstration | Fertilizers, |
| | | ointment | 2. Instead of | oil based herbal | | | | | Pesticides |
| | | | petroleum jelly | ointment | | | | | |
| | | | honey wax is used. | | | | | | |
| | | | 3. All ingredients | | | | | | |
| | | | are available at | | | | | | |
| | | | farmers place so they | | | | | | |
| | | | can produced at | | | | | | |
| | | | home. | | | | | | |
| | | | 4. Low cost | | | | | | |
| | | | compare to market | | | | | | |
| | | | available ointment. | | | | | | |
| 34 | Healthcare | Jatropa oil | 1. Herbal based soap. | Performance for | - | - | - | Method | Seeds, |
| | | based herbal | 2. Low cost compare | assessing jatropa | | | | demonstration | Fertilizers, |
| | | soap | to market available | oil based herbal | | | | | Pesticides |
| | | | soaps. | soap | | | | | |
| 35 | Composite | Composite | - | - | Demonstration on | - | - | Method | Fish |
| | Fish Culture | fish culture | | | Species Combination | | | demonstration | Fingerlings, |
| | | with Indian | | | and ratio in | | | | Fish Feed |
| 1 | | Major Carp | | | Composite Fish | | | | |
| | | and Exotic | | | Culture | | | | |
| | | Carps | | | | | | | |
| 36 | Integrated | Rice- Fish | - | - | Integrated Rice- Fish | - | - | Method | Fish |
| | farming | | | | Farming | | | demonstration | Fingerlings, |
| | | | | | | | | | Fish Feed |

| 37 | Pond | Feeding with | - | - | Use of balanced | - | - | Method | Fish |
|----|----------------|---------------|-----------------------|--------------------|------------------------|----------------|---|---------------|----------------|
| | management | balanced diet | | | pelleted fish feed for | | | demonstration | Fingerlings, |
| | | | | | higher carp | | | | Fish Feed |
| | | | | | productivity | | | | |
| 38 | Utilization of | Solar dryer | i.Sun drying is | Performance | - | - | - | Method | Solar dryer |
| | waste | | weather dependent | assessment of | | | | demonstration | |
| | materials | | which lower | solar dryer for | | | | | |
| | (Bio- | | efficiency | processing | | | | | |
| | degraded/ | | ii. Wastage of | perishable food | | | | | |
| | Bio- | | perishable food items | items | | | | | |
| | nondegraded) | | | | | | | | |
| 39 | Drudgery | 1.Apron | Unavailibility of | Uses of Protective | - | - | - | Method | Dress material |
| | reduction | 2.Loose | proper dress material | clothing for | | | | demonstration | |
| | | Pant | during performing | Agricultural | | | | | |
| | | 3.Head | Agricultural work | activities | | | | | |
| | | dress | | performed by farm | | | | | |
| | | | | women | | | | | |
| 40 | Organic dye | Colorants | Excessive use of | Addition of | - | Addition of | - | Method | - |
| | introduction/ | from natural | synthetic color | Natural Food | | natural food | | demonstration | |
| | utilization | sources viz., | | Colorants in | | colorants into | | | |
| | | turmeric, | | Processed Food | | traditional | | | |
| | | beat root | | items | | food items | | | |
| 41 | | Solar cooker | High cost of fuel | Performance | - | - | - | Method | Solar cooker |
| | | for | | assessment of | | | | demonstration | |
| | | household | | solar cooker for | | | | | |
| | | cooking | | household | | | | | |
| | | purposes | | purposes | | | | | |
| | | | | | | | | | |
| 42 | Value | Amla Candy | - | - | Demonstration on | Production of | - | Method | Materials for |
| | addition | | | | production of Amla | Amla candy | | demonstration | training |
| | | | | | candy | | | | |

| 43 | Value | Eri X Cotton | - | - | Construction of | Training on | - | Method | Warp and weft |
|----|---------------|--------------|---|---|-------------------------|-----------------|---|---------------|----------------|
| | addition | Muga X Eri | | | Union Fabric | Diversification | | demonstration | fiber |
| | | Cotton X Art | | | | of woven | | | |
| | | silk | | | | fabric for | | | |
| | | | | | | better | | | |
| | | | | | | marketability | | | |
| 44 | Organic dye | Natural dyes | - | - | Dyeing of cotton | - | - | Method | Fabric pieces |
| | introduction/ | (Marigold, | | | cloth with natural | | | demonstration | and Dyes are |
| | utilization | Teak leaf) | | | dyes extracted from | | | | extracted from |
| | | | | | locally available plant | | | | local sources |
| | | | | | species | | | | |
| 45 | Nutritional | Bhurbhuria | - | - | Nutrification of | Training on | - | Method | Materials for |
| | diet for | Pitha | | | Traditional recipes | Nutrification | | demonstration | method |
| | children/ | Pat pitha | | | | of Traditional | | | demonstration |
| | Pregnant | | | | | recipes | | | |
| | women | | | | | | | | |
| 46 | Nutritional | Nutritional | - | - | Nutritional Gardening | - | - | Method | Seeds, |
| | Gardening | Gardening | | | | | | demonstration | seedlings |

3.1 Achievements on technologies assessed and refined during 2016-17

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

| Thematic | Cereals | Oilseeds | Pulses | Commercial | Vegetables | Fruits | Flower | Fodder | Tuber | Mushroom | TOTAL |
|-----------------|---------|----------|--------|------------|------------|--------|--------|--------|-------|-------------|-------|
| areas | | | | Crops | | | | | Crops | cultivation | |
| Varietal | 2 | 3 | | | | | | 1 | | 1 | 7 |
| Evaluation | | | | | | | | | | | |
| Seed / Plant | | | | | | | | | | | 0 |
| production | | | | | | | | | | | |
| Weed | | | | | | | | | | | 0 |
| Management | | | | | | | | | | | |
| Integrated Crop | | | 1 | | | | | | | | 1 |
| Management | | | | | | | | | | | |
| Integrated | | 1 | 2 | | | | | | | | 3 |
| Nutrient | | | | | | | | | | | |
| Management | | | | | | | | | | | |
| Integrated | | | | | | | | | | | 0 |

Page | 29 | Annual Progress Report, KVK, Jorhat, 2016-17

| Farming System | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|
| Drudgery | 1 | | | | | | | | | | 1 |
| reduction | | | | | | | | | | | |
| Farm | | | | | | | | | | | 0 |
| machineries | | | | | | | | | | | |
| Value addition | 1 | | | | | | | | | | 1 |
| Integrated Pest | 1 | | | | 1 | 1 | | | | | 3 |
| Management | | | | | | | | | | | |
| Integrated | | | | | | | | | | | 0 |
| Disease | | | | | | | | | | | |
| Management | | | | | | | | | | | |
| Resource | 2 | | | | | | | | | | 2 |
| conservation | | | | | | | | | | | |
| technology | | | | | | | | | | | |
| Small Scale | | | | | | | | | | | 0 |
| income | | | | | | | | | | | |
| generating | | | | | | | | | | | |
| enterprises | | | | | | | | | | | |
| Organic | | | | | 3 | | | | | | 3 |
| management | | | | | | | | | | | |
| TOTAL | 8 | 4 | 3 | 0 | 4 | 1 | 0 | 1 | 0 | 1 | 21 |

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

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

| Thematic areas | Cereals | Oilseeds | Pulses | Commercial Crops | Vegetables | Fruits | Flower | Plantation crops | Tuber Crops | TOTAL |
|---------------------|---------|----------|--------|---------------------|------------|--------|--------|---------------------|----------------|-------|
| Varietal Evaluation | | | | | | | | | | |
| Seed / Plant | | | | | | | | | | |
| production | | | | | | | | | | |
| Weed Management | | | | | | | | | | |
| Integrated Crop | | | | | | | | | | |
| Management | | | | | | | | | | |
| Integrated Nutrient | | | | | | | | | | |
| Management | | | | | | | | | | |

Page | 30 | Annual Progress Report, KVK, Jorhat, 2016-17

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

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

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

| Thematic areas | Cattle | Poultry | Sheep | Goat | Piggery | Rabbitery | Fisheries | TOTAL |
|-------------------------------|--------|---------|-------|------|---------|-----------|-----------|-------|
| Evaluation of Breeds | | 2 | | | | | | 2 |
| Nutrition Management | | | | | | | | |
| Disease of Management | | | | 2 | | | | 2 |
| Value Addition | | | | | | | | |
| Production and Management | | | | | | | | |
| Feed and Fodder | | | | | | | | |
| Small Scale income generating | | | | | | | | |
| enterprises | | | | | | | | |
| TOTAL | | 2 | | 2 | | | | 4 |

A.5. Results of On Farm Testing

| Sl. | Title of OFT | Problem | Name of Technology | Crop/Crop | No. | Results of Assessment/ Refined | | Feedback | Feedbac | ck to | B.C . Ratio |
|-----|-----------------|-----------------|----------------------------|---------------|------|---|----------|-----------|---------|--------|-----------------|
| Ν | | Diagnosed | Assessed | ping | of | (Data on the parameter should | | from the | the | | (if applicable) |
| 0. | | | | system/ | Tria | be provided) | | farmer | Researc | cher | |
| | | | | Enterprise | ls | | | | | | |
| 1 | Performance | Low cropping | Source of Technology : | Lentil Rice | 5 | No. of trials: 05 Location : Neulgaon, Selek, Kothalkhowa | | | | | |
| | assessment | intensity | RARS, Shillongoni. | variety | | Area: 0.68 ha | | | | | |
| | of lentil vars. | ii) Poor | T_1 = Sowing of HUL | (utera) : Bas | | Parameters | HUL | . 57 Moit | ree | KLS-21 | 8 Farmers |
| | HUL 57, | performance | 57, Moitree, KLS-218 | Dhan | | | | | | | practice |
| | Moitree, KLS | of non | using a seed rate of 40 | | | Date of Sowing | | 04 No | ov, 16 | | No farmers |
| | rice utera | /local variety | harvesting of the Sali | | | Plant ht (cm) | 61.2 | 58. | 7 5 | 59.5 | practice |
| | condition | 5 | rice | | | No of branches/plant | 18.7 | 18. | 2 1 | 17.9 | |
| | with farmers | | $T_2 = =$ Farmers practice | | | No of Pod/ plant | 34.2 | 33 | 3 | 32.7 | |
| | mode | | (INIL) | | | Yield (t/ha) | 0.772 | 2 0.73 | 31 0 | 0.701 | |
| | | | | | | Gross return (Rs/ha) | 6176 | 8 5848 | 80 5 | 56087 | |
| | | | | | | Gross cost (Rs/ha) | 2565 | 256 | 50 2 | 25650 | |
| | | | | | | Net return (Rs/ha) | 3611 | 8 3283 | 30 3 | 30437 | |
| | | | | | | B:C ratio | 2.41 | 2.2 | 7 2 | 2.18 | |
| 2 | Performance | Less | Technology: | Niger | | No. of trials: 03 | | | | | |
| | assessment | diversification | Niger Variety: | Variety: | | Location : Kothalkhoa, Graz | zing saj | pori | | | |
| | of few new | of crops | Local(NG-1) | Local(NG-1) | | Area: 0.13 ha | | | | | |
| | crops in the | | Buckwheat Variety : | | | Month of start: Nov, 2016 | | | | | |
| | district | | BWC-1 | | | | | | | | |
| | suitable for | | Check : Local varieties | | | | | | | | |
| | crop | | | | | | | | | | |
| | diversificatio | | | | | | | | | | |
| | n and | | | | | | | | | | |
| | environment | | | | | | | | | | |
| | al stress | | | | | | | | | | |
| | mitigation | | | | | | | | | | |
| | (crop: niger, | | | | | | | | | | |
| | buckwheat) | | | | | | | | | | |

| 3 | Effect of | Plant density | Variety: HUL 57 | Lentil | 3 | No. of trials: 03 | | | | | |
|---|---|----------------------------|--|-----------|---|---|--------|--|--------|--|--|
| | seed rate on | management | <i>T1 : Seed rate – 15</i> | Variety: | | Location : Kothalkhoa, Grazing sapori, Adi Elengi | | | | | |
| | the | | kg/ha | HUL 57 | | Area: 4500 m^2 (500 m ² /treatment) | | | | | |
| | productivity | | T2 : 22.5 kg/ha | | | Month of start: Nov, 2016 | | | | | |
| | of lentil | | T3 : 30 kg/ha | | | Parameters | T1 | T2 | T3 | Farmers | |
| | | | | | | | (15kg) | (22.5kg | (30kg) | practice | |
| | | | | | | Date of Sowing | | 04 Nov, 16 | | No farmers | |
| | | | | | | Plant ht (cm) | 58.7 | 56.7 | 58.7 | practice | |
| | | | | | | No of branches/plant | 18.2 | 19.7 | 18.2 | | |
| | | | | | | No of Pod/ plant | 31.2 | 33.6 | 33.1 | | |
| | | | | | | Yield (t/ha) | 0.697 | 0.791 | 0.737 | | |
| | | | | | | Gross return (Rs/ha) | 55767 | 63288 | 58968 | | |
| | | | | | | Gross cost (Rs/ha) | 24850 | 25150 | 25650 | | |
| | | | | | | Net return (Rs/ha) | 30917 | 38138 | 33318 | | |
| | | | | | | B:C ratio | 2.24 | 2.51 | 2.29 | | |
| | of production performance of toria variety TRC Toria | for late sown condition | (Source : ICAR Research Complex for NEH region & KVK,West Tripura) Check : TS 38 | TRC Toria | | Area: 0.065 ha Land situa Farming situation : Rainfed Parameters Date of sowing Date of harvesting Plant height (cm) | | 1m land TRC Toria 26.12.16 28.02.17 109.42 87 | | TS- 38 26.12.16 28.02.17 112.85 | |
| | | | | | | | | 87 | | 87 | |
| | | | | | | No of siliqua /plant | | 260.27 | | 268.23 | |
| | | | | | | Disease-pest | | Negligible | | Negligible | |
| | | | | | | Yield (q/ha) | | 7.14 | | 7.45 | |
| | | | | | | Gross cost (Rs/ha) | | 12,800 | | 12,800 | |
| | | | | | | Gross return (Rs/ha) | | 21420 | | 22350 | |

Page | 33 | Annual Progress Report, KVK, Jorhat, 2016-17

| | | | | | | Net return (Rs/ha) | | 8620 | | 9550 |
|---|--|---|--|--------------------------------|----|--|--|---|---------------|--|
| | | | | | | B.C Ratio | | 1.67 | | 1.74 |
| 5 | INM in Lathyrus under Rice Utera | Non adoption of integrated nutrient management | INM Top dressing of 5: 13 kg N : P_2O_5 /ha at sowing and 5: 13:15 kg N : P_2O_5 : K ₂ O/ha at | Lathyrus Variety: Nirmal | 05 | Variety: Ratan Borchapori Area : 0.13 and 0411.16 | Location: Allengmora, Neol Gaon, Loliti, Area : 0.13 ha in each location Date of sowing: 02.11.2016 | | | leol Gaon, Loliti, sowing: 02.11.2016 |
| | condition | practices in | rice harvest along with | | | Parameters Treatment | | ment | | Farmers practice |
| | (Lathyrus Variety: <i>Nirmal</i>) | Lathyrus and lack of awareness about low BOAA containing Lathyrus variety | seed inoculation with Rhizobium & PSB @ 50 g/kg of seed and two sprays of 2 % urea at branching(45 DAS) and pod initiation (80 DAS) stages | | | Nutrient Status (pre) Nutrient Status (post) Plant height Plant Stand | pH-5. OC-1 Av. N Av. P Av. I Not h 92cm 82 pla | pH-5.95, % OC-1.02 Av. N-375 kg/ha, Av. P O_{2} -23. 88 kg/ha Av. K O-107.0 kg/ha Not harvested 92cm 82 plants/ sq m | | pH-5.80, % OC-1.12 Av. N-388 kg/ha, Av. P ₂ O ₅ -23.50 kg/ha, Av. K ₂ O-101.30 kg/ha 84cm 87 plants/ sq m |
| | | | | | | Pod/ plant | 40 | 40 | | 32 |
| | | | | | | Seed/ pod | 4.2 | 4.2 | | 3.1 |
| 6 | Foliar Nutrition Supplementa tion in Lentil | To reduce loss of N from applied fertilizer and supply of N at critical stage of crop growth | Nutrients N:P:K @ 15:35:15 kg/ha and 2 sprays of 2% urea at branching (35 DAS) and pod initiation (75DAS) stages | Lentil | 05 | Variety : PL 406 Location Lahon Gaon Area to 16-11-16 Parameters Average Plant height(cm) No of pod/plant Avg No of Seed/pod Seed yield q/ha B:C Ratio | Allengmora, Neol Gaon, I : 0.13 ha in each location Treatment 59 55 2.0 6.2 1.90 | | Bhalu Date | kmora, Adi Elengi, e of sowing: 10-11-16- Farmers practice 54 48 1.8 5.10 1.71 |
| 7 | OFT on | 1. Indiscrimi | Enriched compost @ | Bhut Jolokia | 05 | Variety : Bhut Jolokia Local Location : Bamun pukhuri, Hazarikagaon, | | | | |
| | Assessment | nate use of | 10 t/ha 2. Compost @ | | | Pohumora, Tulshijan, Khonamukh Month of start: October, 2016 | | | | |

Page | 34 | Annual Progress Report, KVK, Jorhat, 2016-17
| 8 | Integrated Nutrient Management in Toria (Variety-TS- | 1.High present recommended seed rate at AAU package 2.Zn is not | i. <u>Seed rate:</u> 5kg /ha as against 10kg/ha as recommended in Rabi Package. | Toria (Variety-TS- 38) | 2 | Location: Kakarik Problem diagnosed | ata (2), Grazing Chapori Technology/ Social Concept | F P s t' k Area | irst icking tarted in wo ocations a: 0.39ha Results | First picking started in two locations |
|---|--|--|--|------------------------------|---|---|---|---|--|---|
| | 38) | recommended as micronutrient fertilizer in Assam 3. RD of fertilizer is less as compared to national recommendati on. | i. <u>Fertilizer rate</u> : N: P_2O_5 : K_2O : S @ 80: 40: 30: 20 kg/ha against recommended dose of fertilizer for Rapeseed & Mustard for Assam N: P_2O_5 : K_2O : @ 40: 35: 15 kg/ha, there is no sulphur recommendation for Assam. i. <u>Micronutrient</u> : Zinc Sulphate (ZnSO4) @ 25kg/ha + Borax @ 10 kg/ha (There is no recommendation of Zinc for Assam for Rapeseed & Mustard) Check: N: P_2O_5 : K_2O @ 40: 35: 15kg/ha + Borax @ 10kg/ha, seed rate @ 10 kg/ha | | | High present recommende d seed rate at AAU package Zn is not recommende d as micronutrien t fertilizer in Assam RD of fertilizer is less as compared to national recommen dation. | i. Seed rate:5kg /haas against 10kg/ha asrecommended in RabiPackage.ii. Fertilizer rate:N: $P_{2}, 5, 2$ 2030:20kg/haagainstrecommended dose offertilizer for Rapeseed &Mustard for Assam N: $P_{2}, 5, 2$ $20, 20, 20, 20, 20, 20, 20, 20, 20, 20, $ | Paramete rs Plant height (cm) Days to maturity No of siliqua /plant Disease- pest Yield (q/ha) Gross cost (Rs/ha) | Technolog y 118.67 91 278.55 Negligible 11.39 13,600 | g Control 103.33 87 245.22 e Negligibl e 9.11 12,700 |

| | | | | | | | Check: N: P ₂ O ₅ : 40: 35: 15kg/ha + @ 10kg/ha , seed 10 kg/ha | K ₂ O @ - Borax rate @ | Gross return (Rs/ha) Net return (Rs/ha) B.C Ratio | 34170 20570 | 30330 17630 |
|----|-------------|-----------------|--|-------------|----|-----------------|--|---|---|----------------|----------------|
| 9 | Varietal | Non | Crop: Short duration | Yellow | 03 | Location :Kak | carikata (2), Grazing Cha | apori | Month o | f start: Novem | iber, 2016 |
| | Evaluation | availability of | Yellow Sarson | Sarson | | Area: 0.39 ha | | - | | | |
| | of Yellow | short duration | Variety: YSH-401 | Variety | | Problem | Technology/ Social | | | Results | |
| | Sarson | yellow Sarson | Duration: 95-100 days | (Variety- | | diagnosed | Concept | | | | |
| | Variety | variety | Reported yield: 17 q/ha | YSH-401) | | Non | Crop: Short duration | Para | umeters | Technology | Farmers |
| | (Variety- | | (As per Directorate of Rane and Mustard | | | availability | Yellow Sarson | Dlant l | | 101 | practice |
| | 1511 401) | | Bharatpur) | | | duration | Duration: 95-100 | (cm) | leight | 121 | 115 |
| | | | Seed source: | | | vellow | days | Davs to | 0 | 96 | 87 |
| | | | Directorate of Rape | | | Sarson | Reported yield: 17 | maturi | ty | 70 | 07 |
| | | | and Mustard Research, | | | variety | q/ha (As per | No of | siliqua | 63 | 58 |
| | | | Bharatpur, Rajasthan | | | | Directorate of Rape | /plant | | | |
| | | | (B-9) | | | | and Mustard, | Diseas | e-pest | Negligible | Negligible |
| | | | | | | | Seed source: | Yield (| (q/ha) | 12.35 | 0.950 |
| | | | | | | | Directorate of Rape | Gross (Rs/ha | cost) | 12700 | 12,700 |
| | | | | | | | and Mustard Research Bharatour | Gross | return | 34050 | 28500 |
| | | | | | | | Rajasthan | (Rs/ha |) | | |
| | | | | | | | Check varirty: | Net ret | urn | 21350 | 15800 |
| | | | | | | | Vinay | (Rs/ha |) | | |
| | | | | | | | (B-9) | B:C ra | tio | 1.68 | 1.25 |
| 10 | Year round | Lack of year | Variety: Ostrietus – | Mushroom | 07 | | | 1 | | | |
| | paddy straw | round | 444 | variety | | Location: Neo | olgaon, Alengmora; Aags | samua ga | ion, Maibel | ia, Duliagaon, | Bolimora, |
| | wiusnroom | musnroom | Opening of the | Ostrietus – | | 1 Itabar , Area | Unit: 5 unit, 5 SHGs | | | | |
| | variety | varieues | musinooni oag . | | | | | | | | |

Page | 37 | Annual Progress Report, KVK, Jorhat, 2016-17

| Ostrietus – | 30.07.2016 | | Source of | Problem | Technolo | Т | echnology | | Farmer |
|-------------|------------|--|------------|-----------|------------|--------------|-------------|----------|----------|
| 444 | | | Technolo | diagnos | gy/ Social | (J | uly- March) | | s |
| | | | gy | ed | Concept | Parameters | Mushro | Mushro | practice |
| | | | | | | | om bed | om bed | (Octob |
| | | | | | | | within | without | er- |
| | | | | | | | the | polybag | March) |
| | | | | | | | polybag | in open | |
| | | | | | | | | conditio | |
| | | | | | | | | n | |
| | | | Mushroo | Lack of | Variety: | 1.days to | 7-10 | 7-10 | 10 -12 |
| | | | m | year | Ostrietus | 1 picking | days | days | days |
| | | | Biotech | round | - 444 | : | Avg. | Avg. | 850 gm |
| | | | and | mushroo | Opening | 2.Weight | 250 gm | 400 gm | m- 100 |
| | | | spawn | m | of the | of | Avg100 | 100 gm | gm |
| | | | centre, | varieties | mushroo | mushroom | gm | (Avg.) | (Avg.) |
| | | | Shiliguri, | | m bag : | in 1st | 7-10 | 7-10 | 7-10 |
| | | | WB | | 30.07.201 | picking : | days | days | days |
| | | | | | 6 | 3.Weight | 2.5kg | 1.5 kg | 2.3kg |
| | | | | | | of | (avg) | (avg) | (avg) |
| | | | | | | mushroom | 6 times | 4 times | 4 times |
| | | | | | | in last | 3 days | 3 days | 3 days |
| | | | | | | picking : | 2 days | 2 days | 2 days |
| | | | | | | 4.Time | | | |
| | | | | | | interval | | | |
| | | | | | | between | | | |
| | | | | | | picking(da | | | |
| | | | | | | ys) | | | |
| | | | | | | 5.Total | | | |
| | | | | | | yield per | | | |
| | | | | | | mushroom | | | |
| | | | | | | bed : | | | |
| | | | | | | 6. No. of | | | |
| | | | | | | picking : | | | |
| | | | | | | 7.Shelf life | | | |
| | | | | | | of fresh | | | |

| | | | | | | | | mushroo (days) : a.In pape wrapping b. In polythen wrapping | m er g e g | |
|----|--|--|---|------|---|---|--|--|--|--|
| 11 | Biological suppression of Rice pest (BIPM package) | Injudicious use of chemical pesticides against major insect pest of Rice | Seed treatment with <i>P</i> . <i>fluorescence</i> @ 8 gm/kg of seed 2. Spray of <i>B. bassiana</i> @ 10 ³ spores/ha against sucking pest for 2 times at 15 days interval 3. Release <i>of T.</i> <i>japonicum</i> @ 100K/ha twice at 30 days after planting 4. Pheromone trap @ 8 traps/ha for YSB 5. Need based application of botanicals twice at 10 days interval | Rice | 1 | Location: Maj Source of Technology AICRP on Biological control, AAU, Jorhat, 2013 | kuri, Burhaku Problem diagnosed Injudicious use of chemical pesticides against major insect pest of Rice | ri Technology/ Social Concept Seed treatment with <i>P</i> . <i>fluorescence</i> @ 8 gm/kg of seed 2. Spray of <i>B</i> . <i>bassiana</i> @ 10 spores/ha against sucking pest for 2 times at 15 days interval 3. Release of <i>T</i> . <i>japonicum</i> @ 100K/ha twice at 30 days after planting 4. Pheromone trap @ 8 traps/ha for YSB 5. Need based | Area: 2 ha R Treatment Date of transplanting : 08.07.2016 1. No. of dead heart before and 7 days after each spray/m : Nil 2. No. of folded leaf before and 7 days after each spray/hill : 0.6 and Nil 3. Incidence of disease : Nil 4. Yield : 5 t/ha 5.B:C ratio : 2.06 | Farmers practiceDate of transplanting : 08.07.20161. No. of dead heart before and 7 days after 2 : each spray/ m6.6 % and Nil 2. No. of folded leaf before and 7 days after each spray/hill : 1.2 and Nil 3. Incidence of disease : Nil 4.Yield : 4.6 t/ha 5.B:C ratio: 1.84 |

| | | | | | | | application of botanicals twice at 10 days interval | | |
|----|--|--|---|-------------------|--|---|--|---|--|
| 12 | Efficacy of different | Injudicious use of | 1. Lucilure against Brinjal shoot and fruit | Brinjal Tomato | Location: Mar | iani, Tengabari | , Allengmora, T | Titabar, Lahing A | rea: 1 ha |
| | in controlling | pesticides against major | 2. Helilure against Tomato fruit borer | Cucurbit | Technology | diagnosed | Social Concept | Treatment | Farmers practice |
| | insect pest in horticultural crops | insect pest of horticultural crops | Methyl euginol against citrus fruit fly Cuelure against cucurbit fruit fly | | AAU (product supplied by -Green Agri- Biotech, Assam) | Injudicious use of chemical pesticides against major insect pest of horticultural crops | Lucilure against Brinjal shoot and fruit borer Helilure against Tomato fruit borer Methyl euginol against citrus fruit fly | Methyl Euginol against citrus fruit fly : 1. Number of trapped insect per day (Avg) : 6.3 2. Per cent fruit drop per plant : 10 % (Avg) Cue lure against cucurbit fruit fly : 1. Number of trapped insect per day (Avg.) : 9.5 (Bitter gourd), 10.3 (Bottle gourd) 2. Per cent fruit infestation : 1.5 - 2 | Per cent fruit drop per plant : 42 % Per cent fruit infestation : 30 % per plant |
| | | | | | | | 4. Cuentre against cucurbit fruit fly | % Helilure against Tomato fruit borer : | Per cent fruit |
| | | | | | | | in unt iny | i. Number of trapped insect per day (Avg.) : 4.2 2. Per cent fruit infestation : 6.6 % | : 45 % per plant |

| 13 | Management | High | Soil drenching of | Potato | 02 | | | | Helilure against Brinja and shoot borer : 1. Number of trapped insect per day (Avg. : 11.2 2. Per cent fruit infestation : Nil -1. % | IlPer cent fruit infestation.): 45 % per plant.3 |
|----|----------------------------|----------------|--|--------|----|----------------------------------|------------------------------------|--|--|---|
| | of red ant, | Infestation of | furrows with | | | Location: Teng | gabari, Seleng | ghat | A | rea: 1 ha |
| | Dorylus originatalia in | red ants in | chlorpyriphos 20 EC | | | Source of | Problem | Technology/ | Progre | SS |
| | potato | potato | per litre of water) | | | Technology | diagnosed | Concept | Treatment | Farmers practice |
| | I man | | before sowing of potato tubers to reduce infestation | | | AINP, AAU, Jorhat, 2013 | High Infestation of red ants | 1. Soil drenching of furrows | 1. Per cent infestation by red ant per plant : Nil | 25 % |
| | | | | | | 2015 | in potato | chlorpyriph os 20 EC @ | 2. Number of infested potato tubers per plant : Nil | 5 (Avg.) |
| | | | | | | | | 0.06 per cent (3 ml per litre of water) before | Infestation of red ant at different stages of plant : 1.3 (Late maturity stage) | 45 % |
| | | | | | | | | sowing of potato tubers to reduce infestation | 4. Occurrence of any other insect pest and diseases : Negligible 5. Total yield : 10 t/ha | Fungal infection 7.2 t/ha |
| | | | | | | | | | 6. B: C Ratio : 1.9 | 1.4 |

| 14 | Organic | Indiscriminate | i) FYM @ 5 | Turmeric var | 03 | | | | | |
|----|-------------|-----------------|-------------------------|--------------|----|------------------|--------------------|-------------------|--------------|----------|
| | Cultivation | use of | ton/ha fresh wt basis | Mrgha 1 | | Location: Mising | Gaon, Kheremia a | nd Bon Gaon Area | : 1 bigha | |
| | of Turmeric | fertilizers, | along with mulching | | | Problem | Technology/ | R | esults | |
| | var Mrgha 1 | pesticides, and | with green leaves . | | | diagnosed | Social Concept | | | |
| | | weedicide at | ii) Application of | | | | | | | |
| | | field level | Neem cake @ 2 t/ha at | | | Indiscriminate | i. FYM @ 5 | Parameters | Technology | Farmers |
| | | | planting | | | use of | ton/ha fresh wt | | | practice |
| | | | iii) Supplementation | | | fertilizers, | basis along with | | | - |
| | | | of microbial culture of | | | pesticides, | mulching with | i) No of Rhizomes | 11 nos | 10 nos |
| | | | Azospirilium and PSB | | | and weedicide | green leaves . | per plant | 11 1105 | 10 1105 |
| | | | @ 20 kg/ha | | | at field level | ii) Application | ii) Length of | 30.33 c. m | 30 cm |
| | | | iv) Seed rhizomes | | | | of Neem cake @ | Rhizomes (cm) | | 000 |
| | | | mixed with | | | | 2 t/ha at planting | iii) Wt of | 887.5 gm | 885 gm |
| | | | 1 ricoaerma narzianum | | | | iii) | Rhizomes per | e | U |
| | | | w 100 kg/nac 101 | | | | Supplementation | plant | | |
| | | | rot disease | | | | of microbial | iv) Yield per hc | 34 ton/hac | 30 ton |
| | | | v) Bordeaux mixture | | | | culture of | _ | | /ha |
| | | | 1% application against | | | | Azospirilium | v) B: C | 6.93 | 6.12 |
| | | | leaf spot and leaf | | | | and PSB @ 20 | vi) Farmers | The | |
| | | | blotch | | | | kg/na | reaction | farmers | |
| | | | | | | | rhizomes mixed | | found the | |
| | | | | | | | with Tricoderma | | technology | |
| | | | | | | | harzianum @ | | satisfactory | |
| | | | | | | | 100 kg/hac for | | | |
| | | | | | | | protection | | | |
| | | | | | | | against soft rot | | | |
| | | | | | | | disease. | | | |
| | | | | | | | v) Bordeaux | | | |
| | | | | | | | mixture 1% | | | |
| | | | | | | | application | | | |
| | | | | | | | against leaf spot | | | |
| | | | | | | | and leaf blotch | | | |
| | | | | | | | | | | |

| 15 | Organic | Indiscriminate | i)FYM @ 5 ton/ha(| Ginger var. | 03 | | | |
|----|-------------|-----------------|-------------------------|-------------|----|--|-----------------|------------------|
| | Cultivation | use of | fresh wt basis) along | Nadia | | Location: Mising Gaon, Kheremia and Bo | on Gaon Area: 6 | 00 mt square |
| | of Ginger | fertilizers, | with vermicompost @ | | | Parameters | Technology | Farmers practice |
| | var. Nadia | pesticides, and | 2 ton/ha and mulching | | | i) No of Rhizomes per plant | 9 nos | 8 nos |
| | | weedicide at | with green leaves | | | ii) Length of Rhizomes (cm) | 21.7 cm | 19 c.m |
| | | field level | 11) Application of | | | iii) Wt of Rhizomes per plant | 438.33 gm | 389 gm |
| | | | Azospirilium and PSR | | | iv) Yield per hc | 35.05 ton/hac | 30 ton/hac |
| | | | @ 20 kg per hac | | | v) B: C | 5.49 | 4.71 |
| | | | iii) Seed rhizomes | | | vi) Farmers reaction | The farmers | |
| | | | mixed with | | | | found the | |
| | | | Tricoderma harzianum | | | | technology | |
| | | | @ 100 kg per ha for | | | | satisfactory | |
| | | | protection against soft | | | | | |
| | | | rot disease. | | | | | |
| | | | iv) Spraying of Neem | | | | | |
| | | | Gold @ 0.05% during | | | | | |
| | | | Sep-Oct or Dipel @ | | | | | |
| | | | 0.3% during July to | | | | | |
| | | | Oct against shoot borer | | | | | |
| | | | v) Bordeaux mixture | | | | | |
| | | | 1% application against | | | | | |
| | | | soft rot | | | | | |

| 16 | Productive | 1. High fat | Turkey Breed- i.Broad | Turkey | | | | | |
|----|---------------|-----------------|-----------------------|-------------|----|------------------|---------------------|------------------------|------------------------|
| | performance | content of | breasted white and | | | No. of trials: 0 |)6 | Location : Maibalia | |
| | of Turkey for | poultry meat. | ii.Broad breasted | | | Month of start | : July, 2016 | | |
| | lean meat | 2. Awarenes | bronze | | | Parameters | | Broad breasted white | Broad breasted bronze |
| | production in | s of people for | | | | Body Wt.at1 | month | 267g (M) | 223g (M) |
| | Jorhat | good food and | | | | (at distributi | on) | 205g (F) | 196g (F) |
| | district | health | | | | 5 month of a | ge | 4.56 (M) | 2.93kg (M) |
| | | coniouness. | | | | (Adult age) | | 3.10 (F) | 2.78kg (F) |
| | | 3. Buying | | | | Mortality | | 2.37% | 4.16% |
| | | capacity of the | | | | Marketable v | weight of Tom (at 7 | 7.8kg | 6.6kg |
| | | general people | | | | month age) | | | |
| | | has increase. | | | | Dressing % | | 81% | 80% |
| | | 4. Requirem | | | | Weight at on | set of laying | 4.74 | 4.35 |
| | | ent of lean | | | | Age at onset | of laving | 6 Months 10days | 6 Months |
| | | meat. | | | | 8 | | | 16 days |
| | | 5. Animal | | | | No. of egg la | id | 38(in 3 months, contd) | 27(in 3 months, contd) |
| | | protein source | | | | Hatchability | of the egg | 94% | 72% |
| | | for | | | | FCR | 66 | 2:1.4 | 2:10 |
| | | hypertensive | | | | | | | |
| | | and diabetic | | | | | | | |
| 17 | Declarit | person. | Concerning 1 and | D 11 | 02 | | | | |
| 1/ | Productive | Fodder | Congo signal and | Fodder | 03 | | 2 T | | · |
| | performance | production | Hybrid Napier | Congo | | No. of trials: C | Locati | ion : Mogroi, Tengabar | i, Maibella |
| | of fodder | throughout the | | signal and | | Month of start | Duchlandia and a d | Te shu slo su/ | Decement |
| | (Collgo | in loop period) | | Nomion | | Source of | Problem diagnosed | Technology/ | Progress |
| | bybrid | in lean period) | | mapier | | recnnology | | Social | |
| | nopior) for | is always a | | | | | | Concept | |
| | dairy cattle | the doiry | | | | | | | |
| | ually cattle | former | | | | | | | |
| | | Tarmer | | | | | | | |

| | | | | | | AAU, Jorhat | Fodder production through out the year (specially in lean period) is always a constrain to the dairy farmer. | Congo signal and Hybrid Napier | Hybrid Napier Milk yield existing feeding-5.0 lit/day and after feeding- 7.2lit/day Congo signal- Milk yield before feeding- 5.0 lit/day |
|----|---|--|--------------------------------------|--|----|--|---|---|---|
| | | | | | | | | | and after feeding- 6.7lit/day. B.C- 1.94 (Hybrid |
| | | | | | | | | | Napier) 1.81 (Congo signal) |
| 18 | Performance for assessing jatropa oil based herbal ointment | Herb al based ointment. Inste ad of petroleum jelly honey wax is used. All ingredients are available at farmers place so they can produced at home. Low cost compare to market available ointment | Jatropa oil based herbal ointment | Jatropa oil based herbal ointment | 03 | No. of trials: The wound ha available oint | 03 Location : Janjim as healed at day 14 after a ment. | ukh M pplication and | Aonth of start: October, 2016 similar with commercially |

| 19 | Performance | 1.Herbal | Jatropa oil based | Jatropa | 03 | | | | | |
|----|---------------|---------------|-------------------|-----------|----|------------------|---------------|---------------|-----------------|-------------------------|
| | for assessing | based soap. | herbal soap | oil based | | No. of trials: 0 |)3 | Location : Cl | haporigaon, KVK | Jorhat |
| | jatropa oil | 2.Low cost | | herbal | | Month of start | : October, | 2016 | | |
| | based herbal | compare to | | soap | | Source of | Problem | diagnosed | Technology/ | Progress |
| | soap | market | | | | Technology | | | Social | |
| | | available | | | | | | | Concept | |
| | | soaps. | | | | AAU, | 1. | Herbal based | Jatropa oil | Body wash twice in a |
| | | | | | | Jorhat | soap. | | based herbal | weak with the soap |
| | | | | | | | 2. | Low cost | soap | for 1 month. |
| | | | | | | | compare | e to market | | With every |
| | | | | | | | available | e soaps. | | subsequent wash the |
| | | | | | | | | | | body coat improved |
| | | | | | | | | | | where as in the control |
| | | | | | | | | | | animals symptom |
| | | | | | | | | | | remain same or |
| | | | | | | | | | | aggravated. |
| 20 | Assessment | Low | Rainbow | Rainbow | 30 | | | | | |
| | of | productivity | | | | No. of trials: 3 | 30 | Location :M | Iaibelia | |
| | Productive | of local hen | | | | Month of start | : March, 2 | 2017 | | |
| | performance | both terms of | | | | Age at distribut | ution- 3 day | ys | | |
| | of Rainbow | egg and meat | | | | Body weight a | at distributi | on- 54 gm | | |
| | as backyard | production | | | | To be continue | ed | | | |
| | farming in | | | | | Mortality. | | | | |
| | Jorhat | | | | | Weight at onse | et of laying | g. | | |
| | district | | | | | Age at onset o | of laying. | | | |
| | | | | | | Nos. of egg la | id. | | | |
| | | | | | | Amount of fee | ed consume | ed. | | |
| | | | | | | FCR | | | | |
| | | | | | | Economics | | | | |

| 21 | Performance | i.Sun drying is | Solar dryer for | Solar dryer | 03 | | | |
|----|----------------|-----------------|-----------------------|-------------|----|-------------------------------------|-------------------|-------------------|
| | assessment | weather | processing perishable | | | No. of trials: 03 Location : 03 | | |
| | of solar dryer | dependent | food items | | | Parameters | Demonstration | Sun drying |
| | for | which lower | Ministry of New and | | | | (Mushroom) | (Mushroom) |
| | processing | efficiency | Renewable Energy | | | i. Drying time | 2 full sunny days | 4 full sunny days |
| | perishable | ii. Wastage of | Assam and Energy | | | ii. Colour | Fair | darker |
| | food items | perishable | Development Agency | | | iii. Dryness | Crispy | Not crispy |
| | | food items | (under Science and | | | iv. Mould growth | Nil | Slight |
| | | | Technology Deptt. | | | v. Temperature | 62 ⁰ | 32^{0} |
| | | | Govt. of Assam) | | | vi. % Moisture after drying | 8 23 % | 15 38 % |
| | | | | | | | 0.23 70 | 13.38 70 |
| | | | | | | i. Drying time | (Fish) | (Fish) |
| | | | | | | ii. Colour | 2 full sunny days | 4 full sunny days |
| | | | | | | iii. Dryness | Fair | Darker |
| | | | | | | iv. Mould growth | Crispy | Crispy |
| | | | | | | v. Temperature | Nil | Nil |
| | | | | | | vi. % Moisture after drying | 65 ⁰ | 33 |
| | | | | | | | 6.43 % | 13.35 % |
| 22 | Uses of | Unavailability | Protective clothing | Protecti | 03 | | | |
| | Protective | of proper | 1. Apron | ve | | Location : 03 (Kaliapani, Dangdhara | , Allengmora) | |
| | clothing for | dress material | 2.Loose Pant | clothing | | Activity : Harvesting | | |
| | Agricultural | during | 3.Head dress | | | 1. Apron | Highly suitable | |
| | activities | performing | | | | 2.Loose Pant | Suitable | |
| | performed | Agricultural | | | | 3.Head dress | Less suitable | |
| | by farm | work | | | | Activity : Winnowing | | |
| | women | | | | | 1. Apron | Highly suitable | |
| | | | | | | 2.Loose Pant | Suitable | |
| | | | | | | 3.Head dress | Suitable | |
| | | | | | | | | |
| | | | | | | | | |

| 23 | Addition of | Excessive use | Extraction and | Natural | 2 | Location : | Tipomia, Maibe | lia | |
|----|--------------|---------------|-------------------------|--------------|---|------------------------|----------------|---------------------------------|----------------------------|
| | Natural Food | of synthetic | addition of colour from | Food | | Colour | Attractive & p | bleasant colour, Lighter than | Bright colour |
| | Colorants in | color | natural sources viz., | Colorants | | | synthetic colu | r | |
| | Processed | | turmeric, beat root | | | Flavour | Pleasant flavo | our | Artificial flavouring |
| | Food items | | | | | Taste | Not effected t | he taste of the products | Not effected |
| | | | | | | Cost | Low cost | | Costly |
| | | | | | | | | | |
| 24 | Performance | High cost of | Solar cooker for | Solar cooker | 1 | | | | |
| | assessment | fuel | household cooking | | | Time(Aft | er preheat) | Can sterilize water and cook | common food like rice, |
| | of solar | | purposes | | | Cake : 1 l | hr 30 mins | dal, egg, vegetables etc | |
| | cooker for | | | | | Rice : 1 h | r 15 mins | Use no Fuel | |
| | household | | | | | Masur Da | al : 1 hr 30 | Saves cost as well as reducing | g environmental damage |
| | purposes | | | | | mins (pre | soaked) | caused by fuel use | |
| | | | | | | Pouched eggs : 20 mins | | Cooking is faster if the food i | tem is divided into |
| | | | | | | | | several smaller pots instead o | f putting all in one large |
| | | | | | | | | pot | |
| | | | | | | | | Suitable cooking hours betwe | en 10.00 am – 2.00 pm |

*Field crops – ton/ha, * for horticultural crops -= kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermicompost kg/unit area. ** Give details of the technology assessed or refined and farmer's practice

3.2 Achievements of Frontline Demonstrations during 2016-17

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

List of technologies demonstrated during previous year and popularized during 2016-17 and recommended for large scale adoption in the district

| SI. | Crop/ Enterprise | Technology demonstrated | Horizontal s | spread of tech | nology |
|-----|------------------|---|--------------|----------------|---------|
| No | | | No. of | No. of | Area in |
| | | | villages | farmers | ha |
| 1 | Rice | Demonstration of aromatic premium quality rice variety KDML 105 (Padumoni) suitable for | 2 | 8 | 2 |
| | | semi deep water situation | | | |
| 2 | Rice-toria | Demonstration on rice-toria double cropping with medium duration HY Sali rice variety TTB | 2 | 6 | 2 |
| | | 404 (Shrawoni) and HY toria variety TS 38 with farmers participatory mode | | | |
| 3 | Paddy var. Luit | Demonstration on direct seeded paddy var. Luit in flood affected areas of Jorhat with farmers | 2 | 24 | 6.7 |
| | | participatory mode | | | |
| 4 | Boro paddy | Demonstration on cultivation of HY boro paddy variety 'Kanaklata' with farmer's | 1 | 14 | 3 |
| | variety | participatory mode | | | |

Page | 48 | Annual Progress Report, KVK, Jorhat, 2016-17

| | 'Kanaklata' | | | | |
|----|---|--|---|----|--------|
| 5 | Maize | Integrated crop management of maize | 2 | 5 | 1 |
| 6 | Fodder | Demonstration of Year round Fodder Production | 3 | 5 | 0.5 |
| 7 | Sugarcane | Demonstration on sugarcane HY varieties and farmers participatory variety selection | 2 | 8 | 0.5 |
| 8 | Toria | Integrated Nutrient Management(INM)in Toria (Variety-TS-38) | 3 | 3 | 1.5 |
| 9 | Lentil | Integrated Nutrient Management (INM) in Lentil (Variety-Moitree/KLS 218) | 3 | 3 | 1.5 |
| 10 | Mushroom | Cultivation of Mushroom var. Oyster | 5 | 50 | 5 unit |
| 11 | Rice | T- perch as roosting site for insectivorous birds in rice field as a component of IPM | 5 | 12 | 5 |
| 12 | AAUVETMIN | Demonstration of mineral mixture (AAUVETMIN) supplementation in growth of weanling piglets | 3 | 3 | 3 unit |
| 13 | Vigova Super broiler duck | Demonstration on productive performance of Vigova Super broiler duck | 1 | 6 | 6 unit |
| 14 | Kalinga Brown | Demonstration on productive performance of Kalinga Brown Backyard Poultry | 1 | 6 | 6 unit |
| 15 | Composite Fish Culture | Demonstration on Species Combination and ratio in Composite Fish Culture | 3 | 3 | 0.75 |
| 16 | Rice- Fish Farming | Integrated Rice- Fish Farming | 3 | 3 | 0.13 |
| 17 | Pelleted fish feed | Use of balanced pelleted fish feed for higher carp productivity | 3 | 3 | 0.13 |
| 18 | Amla candy | Demonstration on production of Amla candy | 3 | 30 | 3 unit |
| 19 | Union Fabric | Construction of Union Fabric | 2 | 10 | 2 unit |
| 20 | Natural dyes | Dyeing of cotton cloth with natural dyes extracted from locally available plant species | 2 | 20 | 2 unit |
| 21 | Nutrification of Traditional recipes | Nutrification of Traditional recipes | 2 | 40 | 2 unit |
| 22 | Nutritional Gardening | Nutritional Gardening | 5 | 5 | 0.10 |

* Thematic areas as given in Table 3.1 (A1 and A2)

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

| Sl. | Crop | Thematic | Technology Demonstrated | Season | Area (ha) | | No. of f | armers/ | | Reasons | Farming | St | atus | of |
|-----|--------------|------------|-----------------------------|-----------|-----------|--------|----------|-----------|-------|--------------|------------|----|-------|----|
| No. | | area | | and year | | | de | monstrati | on | for | situation | | soil | |
| | | | | | | | | | | shortfall in | (Rainfed/ | (1 | Kg/ha | a) |
| | | | | | | | | | | achieveme | Irrigated, | Ν | Р | Κ |
| | | | | | Proposed | Actual | SC/ST | Others | Total | nt | Soil type, | | | |
| | | | | | | | | | | | altitude, | | | |
| | | | | | | | | | | | etc) | | | |
| 1. | Rice variety | Varietal | Aromatic premium quality | Kharif'16 | 2 | 2 | - | 8 | 8 | - | Rainfed | | | |
| | KDML 105 | evaluation | rice variety KDML 105 | | | | | | | | | | | |
| | (Padumoni) | | (Padumoni) suitable for | | | | | | | | | | | |
| | | | semi deep water situation. | | | | | | | | | | | |
| | | | Check : Kola Joha | | | | | | | | | | | |
| 2. | Rice-toria | Varietal | Rice-toria double cropping | Kharif'16 | 2 2 | | 4 | 2 | 6 | - | Rainfed | | | |
| | | evaluation | with medium duration HY | | | | | | | | | | | |
| | | | Sali rice var. TTB 404 and | | | | | | | | | | | |
| | | | HY toria variety TS 38 | | | | | | | | | | | |
| | | | Check : Bas Dhan – TS 38 | | | | | | | | | | | |
| 3 | Paddy var. | Varietal | Demonstration on direct | Kharif'16 | 6.7 | 6.7 | 5 | 19 | 24 | - | Rainfed | | | |
| | Luit | evaluation | seeded paddy var. Luit in | | | | | | | | | | | |
| | | | flood affected areas of | | | | | | | | | | | |
| | | | Jorhat with farmers | | | | | | | | | | | |
| | | | participatory mode | | | | | | | | | | | |
| 4 | Boro paddy | Varietal | Demonstration on | Rabi' 16 | 3 | 3 | 14 | - | 14 | - | Rainfed | | | |
| | variety | evaluation | cultivation of HY boro | | | | | | | | | | | |
| | 'Kanaklata' | | paddy variety 'Kanaklata' | | | | | | | | | | | |
| | | | with farmer's participatory | | | | | | | | | | | |
| | | | mode | | | | | | | | | | | |
| 5 | Maize | Integrated | Integrated crop | Rabi' 16 | 1 | 1 | 5 | - | 5 | - | Rainfed | | | |
| | | crop | management of maize | | | | | | | | | | | |
| | | management | | | | | | | | | | | | |
| 6 | Fodder | Fodder | Demonstration of Year | Year | 0.5 | 0.5 | | 5 | 5 | - | Rainfed | | | |
| | | Production | round Fodder Production | round | | | | | | | | | | |

Page | 50 | Annual Progress Report, KVK, Jorhat, 2016-17

| 7 | Sugarcane | Varietal evaluation | Demonstration on sugarcane HY varieties and farmers participatory variety selection | Rabi' 16 | 0.5 | 0.5 | | 8 | 8 | - | Rainfed | | |
|----|------------------------------------|--------------------------------------|---|---------------|--------|--------|----|----|----|---|---------|--|--|
| 8 | Toria | Integrated Nutrient Management | Integrated Nutrient Management(INM)in Toria (Variety-TS-38) | Rabi' 16 | 1.5 | 1.5 | 2 | 1 | 3 | - | Rainfed | | |
| 9 | Lentil | Integrated Nutrient Management | Integrated Nutrient Management (INM) in Lentil (Variety— Moitree/KLS 218) | Rabi' 16 | 1.5 | 1.5 | 1 | 2 | 3 | - | Rainfed | | |
| 10 | Mushroom | Mushroom Cultivation | Cultivation of Mushroom var. <i>Oyster</i> | Rabi' 16 | 5 unit | 5 unit | 20 | 30 | 50 | - | | | |
| 11 | Rice | IPM | T- perch as roosting site for insectivorous birds in rice field as a component of IPM | Kharif'16 | 5 | 5 | 7 | 5 | 12 | - | Rainfed | | |
| 12 | AAUVETMI N | Feed management | Demonstration of mineral mixture (AAUVETMIN) supplementation in growth of weanling piglets | Year round | 3 unit | 3 unit | 3 | - | 3 | | | | |
| 13 | Vigova Super broiler duck | Breed evaluation | Demonstration on productive performance of Vigova Super broiler duck | Year round | 6 unit | 6 unit | - | 6 | 6 | | | | |
| 14 | Kalinga Brown | Breed evaluation | Demonstration on productive performance of Kalinga Brown Backyard Poultry | Year round | 6 unit | 6 unit | - | 6 | 6 | | | | |
| 15 | Composite Fish Culture | Composite Fish Culture | Demonstration on Species Combination and ratio in Composite Fish Culture | Year round | 0.75 | 0.75 | 1 | 2 | 3 | | | | |
| 16 | Integrated Rice-Fish Farming | Integrated Rice- Fish Farming | Integrated Rice- Fish Farming | Year round | 0.13 | 0.13 | 1 | 2 | 3 | | | | |

Page | 51 | Annual Progress Report, KVK, Jorhat, 2016-17

| 17 | Pelleted fish | Feed | Use of balanced pelleted | Year | 0.13 | 0.13 | - | 3 | 3 | | |
|----|----------------|---------------|------------------------------|-------|--------|--------|----|----|----|--|--|
| | feed | management | fish feed for higher carp | round | | | | | | | |
| | | | productivity | | | | | | | | |
| 18 | Amla candy | Value | Demonstration on | Year | 3 unit | 3 unit | - | 30 | 30 | | |
| | | addition | production of Amla candy | round | | | | | | | |
| 19 | Union Fabric | Value | Construction of Union | Year | 2 unit | 2 unit | 5 | 5 | 10 | | |
| | | addition | Fabric | round | | | | | | | |
| 20 | Natural dyes | Natural dyes | Dyeing of cotton cloth with | Year | 2 unit | 2 unit | 10 | 10 | 20 | | |
| | | | natural dyes extracted from | round | | | | | | | |
| | | | locally available plant | | | | | | | | |
| | | | species | | | | | | | | |
| 21 | Nutrification | Nutrification | Nutrification of Traditional | Year | 2 unit | 2 unit | 10 | 30 | 40 | | |
| | of Traditional | | recipes | round | | | | | | | |
| | recipes | | | | | | | | | | |
| 22 | Nutrification | Nutrification | Nutritional Gardening | | 0.10 | 0.10 | 2 | 3 | 5 | | |
| | of Traditional | | | | | | | | | | |
| | recipes | | | | | | | | | | |

c. Performance of FLD on Crops

| S1. | Crop | Themati | Area | Avg. yiel | d (Q/ha.) | % | Addi | tional | Data | ı on | Eco | on. of dei | no. (Rs./ | ha.) | Ecor | n. of chee | ck (Rs./I | Ha.) |
|-----|--------------|----------|------|-----------|-----------|---------|---------|---------------|--------|------------|------|------------|-----------|------|------|------------|-----------|------|
| No | | c area | (ha) | | | increas | data on | demo. | param | neters | | | | | | | | |
| | | | | | | e in | yield (| yield (Q/ha.) | | than | | | | | | | | |
| | | | | Demo. | Check | Avg. | H* | L* | yield, | e.g., | GC** | GR** | NR** | BCR* | GC | GR | NR | BC |
| | | | | | | yield | | | dise | disease | | | | * | | | | R |
| | | | | | | | | | incide | incidence, | | | | | | | | |
| | | | | | | | | | pe | pest | | | | | | | | |
| | | | | | | | | | incid | incidence | | | | | | | | |
| | | | | | | | | | ete | с. | | | | | | | | |
| | | | | | | | | | Dem | Loc | | | | | | | | |
| | | | | | | | | | 0 | al | | | | | | | | |
| 1 | Rice variety | Varietal | 2 | 30.02 | Damage | Nil | 32.17 | 28.97 | Negli | gible | 2376 | 54270 | 3100 | 2.28 | - | - | - | - |
| | KDML 105 | evaluati | | | d due to | | | | 00 | | 0 | | 0 | | | | | |
| | (Padumoni) | on | | | flood | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

Page | 52 | Annual Progress Report, KVK, Jorhat, 2016-17

| 2 | Rice-toria | Varietal | 2 | 40.14 | 30.11 | 33.31 | 42.12 | 39.42 | Negligible | 2710 | 55890 | 2879 | 2.06 | 2710 | 4191 | 1481 | 1.5 |
|---|-------------|-----------|-----|-------------|-------|-------|-------|-------|------------|-------|-------|-------|------|------|------|------|-----|
| | double | evaluati | | (TTB | (Bas | | | | | 0 | | 0 | | 0 | 3 | 3 | 5 |
| | cropping | on | | 404) | Dhan) | | | | | | | | | | | | |
| | with | | | | | | | | | | | | | | | | |
| | medium | | | 8.75 (TS | NIL | - | 9.12 | 7.67 | Negligible | 12,80 | 26,25 | 13,45 | 2.05 | - | - | - | - |
| | duration HY | | | 38) | | | | | | 0 | 0 | 0 | | | | | |
| | Sali rice | | | | | | | | | | | | | | | | |
| 3 | Direct | Varietal | 6.7 | 23.14 | No | - | 24.71 | 22.32 | Negligible | 1635 | 27768 | 1141 | 1.69 | - | - | - | - |
| | seeded Sali | evaluati | | | local | | | | | 0 | | 4 | | | | | |
| | paddy var. | on | | | check | | | | | | | | | | | | |
| | Luit | | | | | | | | | | | | | | | | |
| 4 | Boro paddy | Varietal | 3 | In progress | 8 | | | | | | | | | | | | |
| | variety | evaluati | | | | | | | | | | | | | | | |
| | 'Kanaklata' | on | | | | | | | | | | | | | | | |
| 5 | Maize | Integrate | 1 | In progress | 8 | | | | | | | | | | | | |
| | | d Crop | | | | | | | | | | | | | | | |
| | | Manage | | | | | | | | | | | | | | | |
| | | ment | | | | | | | | | | | | | | | |
| 6 | Fodder | Fodder | 0.5 | 792.5 | - | - | 802.1 | 757.3 | Negligible | 2528 | 39625 | 1633 | 1.57 | | | | |
| | | Producti | | Congo | | | | | | 5 | | 0 | | | | | |
| | | on | | signal | | | | | | | | | | | | | |
| | | | | 857.2 | - | - | 879.4 | 838.7 | | | 42860 | 1757 | 1.69 | | | | |
| | | | | Hybrid | | | | | | | | 5 | | | | | |
| | | | | napier | | | | | | | | | | | | | |
| | | | | (Var : | | | | | | | | | | | | | |
| | | | | NB 21, | | | | | | | | | | | | | |
| | | | | IGFRI-6, | | | | | | | | | | | | | |
| | | | | CO-2) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

| | | | | 832.3 Seteria (Var: Kazungu la and Nandi) | - | - | 847.3 | 826.2 | | | 41615 | 1633 0 | 1.64 | | | | |
|----|------------------|----------------------|-----|---|----------------|-------|--------------|--------|------------|-----------|-------|-----------|------|------|------|------|-----|
| 7 | Sugarcane | Varietal evaluati | 0.5 | 634.00 | 475.85 (Aki | 24.94 | 649.7 4 | 620.24 | Negligible | 6329 0 | 12699 | 6370 8 | 2.01 | | | | |
| | | on | | 630.43 | nuria) | 24.91 | 631.5 | 629.29 | | 6329 | 12608 | 6279 | 1 99 | | | | |
| | | on | | 050.45 | puriu) | 24.71 | 7 | 027.27 | | 0 | 12000 | 6 | 1.77 | | | | |
| | | | | 639.59 | - | 25.80 | 645.7 | 633.45 | | 6329 | 12791 | 6462 | 2.02 | | | | |
| | | | | | | | 2 | | | 0 | 8 | 8 | | | | | |
| | | | | 635.46 | | 25.05 | 637.9 | 632.97 | | 6329 | 12709 | 6380 | 2.01 | | | | |
| | | | | | | | 5 | | | 0 | 2 | 2 | | | | | |
| | | | | 644.84 | | 26.00 | 646.7 | 642.91 | | 6329 | 12896 | 6567 | 2.04 | | | | |
| | | | | | | | 7 | | | 0 | 8 | 8 | | | | | |
| 8 | Toria | Integrate | 1.5 | 10.26 | 6.88 | 49.12 | 11.31 | 9.22 | | 1490 | 30780 | 1588 | 1.93 | | | | |
| | (Variety-TS- | d | | | (local) | | | | | 0 | | 0 | | | | | |
| | 38) | Nutrient | | | | | | | | | | | | | | | |
| | | Manage | | | | | | | | | | | | | | | |
| 0 | | Integrate | 15 | 0.21 | 6 1 2 | 25 70 | <u> 9 01</u> | 7.71 | | 2007 | 10960 | 1070 | 1 65 | | | | |
| 9 | HIV – Moitree | d | 1.5 | 0.51 | 0.12 | 55.78 | 0.91 | /./1 | | 0 | 49800 | 1979 | 1.03 | | | | |
| | KLS 218 | u Nutrient | | | | | | | | 0 | | 0 | | | | | |
| | ILD 210 | Manage | | | | | | | | | | | | | | | |
| 1 | | ment | | | | | | | | | | | | | | | |
| 10 | Rice | IPM | 5 | 48.0 | 46.7 | 2.78 | 51.0 | 45.0 | | 2670 | 52800 | 2610 | 1.97 | 2720 | 5137 | 2417 | 1.8 |
| | | | | | | | | | | 0 | | 0 | | 0 | 0 | 0 | 8 |

*H-Highest recorded yield, L- Lowest recorded yield

** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio

Produce Sale Price must be as per MSP or Registered Marketing Society. Pl. apply the formula: Net Return= Gross Return-Gross Cost, BCR= GR/GC

d. Extension and Training activities under FLD on Crops

| Sl.No. | Activity | No. of activities organised | Date | Numl | per of partici | ipants | Remarks |
|--------|----------|-----------------------------|------|------|----------------|--------|---------|
| | | | | Gen | SC/ST | Total | |

| 1 | Field days | | | |
|---|--------------------------------------|--|--|--|
| 2 | Farmers Training | | | |
| 3 | Media coverage | | | |
| 4 | Training for extension functionaries | | | |
| 5 | Any other (Pl. specify) | | | |
| | Total | | | |

e. Details of FLD on Enterprises

(i) Farm Implements

| Name of the | Crop | No. of | Area | Perform | nance parame | ters / | * Dat | ta on parameter | in % change in the Remarks | |
|-------------|--------------|---------|--------|-------------|-----------------|------------|-----------|------------------|--|--|
| implement | | farmers | (ha) | | indicators | | relat | ion to technolo | gy parameter | |
| | | | | | | | (| demonstrated | | |
| | | | | | | | Demo | on. Local | heck | |
| - | Amla candy | 30 | 3 unit | Taste: Go | od | • | | | | |
| | | | | Shelf life: | not affected u | ipto 5 mor | nths | | | |
| | | | | Арреабга | nce : Good | | | | | |
| | | | | Farmer's | reaction: Satis | fied | | | | |
| | Union Fabric | 10 | 2 unit | | | | | | | |
| | | | | Fabric c | ount | | | | | |
| | | | | Weave | Fabrics | Warp | Weft | Total weight | Remarks | |
| | | | | type | | | (g/sq.mt) | | | |
| | | | | | | | (g/sq.mt) | | | |
| | | | | Plain | Eri X Eri | 52 | 54 | 148.75 | More weight | |
| | | | | | Eri V | 52 | 50 | 145 56 | Weight is loss than Eni Y Eni | |
| | | | | | Ell A Cotton | 32 | 39 | 145.50 | Weight is less than En A En. | |
| | | | | | Cotton | | | | High drapability | |
| | | | | | Muga X | 80 | 64 | 146.25 | Weight is less than Eri X Eri. | |
| | | | | | Eri | | | | Drapability is higher than Eri X Eri and Eri X | |
| | | | | | | | | | Cotton | |
| | | | | | Cotton X | 52 | 48 | 100.00 | Weight is less than cotton X cotton | |
| | | | | | Art silk | | | | | |
| | | | | | | | | nion fabrics or | more durable | |
| | | | | | | Devel | U | onion radrics ar | more durable, | |
| | | | | | | Devel | opment | or union labric | can create variety in fabric | |

| Natural dyes | 20 | 2 unit | Samples showed go | od intensity | with mordar | nt (Alum (Potassi | um Aluminium S | Sulfate), Coppe | r Sulfate, Vinegar, |
|--------------------------------|----|--------|--|--------------|----------------|-----------------------|--------------------|-------------------|--|
| (Marigold, | | | Ammonia) than plai | n dye | | | | | |
| Teak leaf) | | | Till now the sample | s does not s | show colour f | ading, maintaining | g the original tex | ature (after 2 wa | ushes). |
| | | | Farmers well accept | ed the tech | nology | | | | |
| - Nutrification | 40 | 2 unit | Acceptability score | es of organ | oleptic charac | cteristics of the for | mulated tradition | nal products (ba | ased on 5 point |
| of Traditional | | | hedonic scale) | | | | | | |
| recipes | | | Name of the | Colour | Taste | Flavour | Texture | Appearance | e Overall |
| | | | product | | | | | | acceptability |
| | | | Bhurbhuria Pitha | 4.45 | 4.25 | 4.25 | 3.85 | 4.20 | 4.15 |
| | | | (Basic) | | | | | | |
| | | | Bhurbhuria Pitha | 4.40 | 4.40 | 4.55 | 4.55 | 3.90 | 4.25 |
| | | | (Nutrification I) | | | | | | |
| | | | Bhurbhuria Pitha | 4.55 | 4.30 | 4.05 | 4.05 | 4.05 | 4.25 |
| | | | (Nutrification II) | | | | | | |
| | | | Pat pitha | 4.40 | 4.25 | 4.40 | 3.95 | 4.20 | 4.30 |
| | | | (Nutrified) | | | | | | |
| - Nutritional | 5 | - | | 173 | 1 | 140 | 23.57 | (| GC= 35000 |
| Gardening | | | | | | | | (| GR = 207600 |
| | | | | | | | | 1 | NR = 172600 |
| | | | | | | | | F | B.C= 5.93 |
| - Nutritional Gardening | 5 | - | (Nutrification II) Pat pitha (Nutrified) | 4.40 | 4.25 | 4.40 | 3.95 | 4.20 | 4.30 GC= 35000 GR= 207600 NR= 172600 B.C= 5.93 |

* Field efficiency, labour saving etc.

(ii) Livestock Enterprises

| S1. | Enterpri | Thematic | Name of | No. | | No. of | Ma | jor | % | Ot | her | Eco | n. of de | mo. (Rs | ./Ha.) | E | con. | of che | eck | Remar |
|-----|----------|-----------|------------|-------|------|--------|------------------------------------|-----------|---------------|----------|----------|----------|----------|---------|--------|-------|--------|--------|-----|-------|
| Ν | se/ | area | Technology | of | No. | animal | Perform | mance | change | paran | neters | | | | | | (Rs. | /Ha.) | | ks |
| о. | Categor | | | farme | of | s, | parame | eters / | in the | (if a | any) | | | | | | | | | |
| | y (e.g., | | | rs | unit | poultr | indica | ators | paramet | Dem | Chec | GC* | GR* | NR* | BCR | G | G | Ν | BC | |
| | Dairy, | | | | S | У | Dem | Chec | er | 0 | k | * | * | * | ** | С | R | R | R | |
| | Poultry | | | | | birds | 0 | k | | | | | | | | | | | | |
| | etc.) | | | | | etc. | 0 | | | | | | | | | | | | | |
| 1 | Piggery | Feed | AAUVET | 3 | 3 | | Body w | weigh a | t weaning - | - 5.86kg | 5 | | • | | • | | | | | |
| | | managem | MIN | | | | | | | | | | | | | | | | | |
| | | ent | | | | | | | | | | | | | | | | | | |
| 2 | Broiler | Breed | Vigova | | | | Body w | weight a | at distributi | on- 65g | , | | | | | | | | | |
| | duck | evaluatio | Super M | | | | Body w | weight a | at 15 days- | 410g | | | | | | | | | | |
| | | n | | | | | | | 30 days- | 860g | | | | | | | | | | |
| | | | | | | | | | 45 days- | 1.76kg | | | | | | | | | | |
| | | | | | | | 60 days- 2.65kg 75 days- 3.21kg | | | | | | | | | | | | | |
| | | | | | | | 60 days- 2.65kg 75 days- 3.21kg | | | | | | | | | | | | | |
| | | | | | | | Mortal | ity- 2.6 | 6% | Feed | intake(i | n 75 da | ys)- 3.7 | kg/duck | : | FCR · | -3.7:1 | | | |
| 3 | Backyar | Breed | Kalinga | 6 | 6 | | i) Body | y weigh | t (Kg) | | | | | | | | | | | |
| | d | evaluatio | brown | | | | Age: | | | | | | | | | | | | | |
| | Poultry | n | | | | | 1 mont | h 0.0 | 88 (M) | | | | | | | | | | | |
| | | | | | | | | 0.0 | 67 (F) | | | | | | | | | | | |
| | | | | | | | 3 mont | th 0.7 | 5(M) | | | | | | | | | | | |
| | | | | | | | | 0.6 | 60 (F) | | | | | | | | | | | |
| | | | | | | | 6 mon | th 1.7 | 0(M) | | | | | | | | | | | |
| | | | | | | | | 1.4 | -25 (F) | | | | | | | | | | | |
| | | | | | | | ii. Mor | tality- 3 | 3% | | | | | | | | | | | |
| | | | | | | | iii. Age | e at 1st | egg laid – | 6 montl | hs | | | | | | | | | |
| | | | | | | | iv. We | ight at 1 | lst laying- | 1.425 kg | g | | | | | | | | | |
| | | | | | | | v. Wei | ght of e | gg at 1st la | ying - 6 | 51.53 gn | n | | | | | | | | |
| 1 | | | | | | | v. No c | of egg la | aid/ bird- 7 | 6 nos. a | t 3.5 mo | onths la | ying per | riod | | | | | | |

** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio

Produce Sale Price must be as per MSP or Registered Marketing Society

Pl. apply the formula: Net Return= Gross Return-Gross Cost, BCR= GR/GC

Page | 57 | Annual Progress Report, KVK, Jorhat, 2016-17

| (iii) | Fish | eries |
|-------|------|-------|
|-------|------|-------|

| S1. | Categor | | Name of | No. | | No. of | Major | • | % | Other | | Econ. of | f demo. (l | Rs./Ha.) | | Eco | n. of | check | - | Remar |
|-----|-----------|-----------|-----------|-------|-----|----------|--------|---------|--------|--------|--------|----------|------------|----------|------|------|--------|-------|----|-------|
| Ν | y, e.g. | Thematic | Technol | of | No. | fish/ | Perfor | manc | change | paran | neters | | | | | (Rs. | ./Ha.) | | | ks |
| о. | Commo | area | ogy | farme | of | fingerli | e | | in the | (if an | y) | | | | | | | | | |
| | n carp, | | | rs | uni | ngs | param | eters / | parame | De | Che | GC** | GR** | NR** | BCR | G | G | Ν | BC | |
| | orname | | | | ts | | indica | tors | ter | mo | ck | | | | ** | С | R | R | R | |
| | ntal fish | | | | | | | | | | | | | | | | | | | |
| | etc. | | | | | | De | Che | | | | | | | | | | | | |
| | | | | | | | mo | ck | | | | | | | | | | | | |
| 1 | Compos | Composit | Composi | 3 | 3 | | 22.5 | 18 | 14.28 | | | 1,55,0 | 4,05,5 | 2,50,0 | 1.66 | | | | | |
| | ite fish | e Fish | te fish | | | | | | | | | 00 | 00 | 00 | | | | | | |
| | culture | Culture | culture | | | | | | | | | | | | | | | | | |
| | | | with | | | | | | | | | | | | | | | | | |
| | | | Indian | | | | | | | | | | | | | | | | | |
| | | | Major | | | | | | | | | | | | | | | | | |
| | | | Carp and | | | | | | | | | | | | | | | | | |
| | | | Exotic | | | | | | | | | | | | | | | | | |
| | | | Carps | | | | | | | | | | | | | | | | | |
| | | | (Stockin | | | | | | | | | | | | | | | | | |
| | | | g with | | | | | | | | | | | | | | | | | |
| | | | IMC: | | | | | | | | | | | | | | | | | |
| | | | 60% | | | | | | | | | | | | | | | | | |
| | | | Exotic | | | | | | | | | | | | | | | | | |
| | | | carps: | | | | | | | | | | | | | | | | | |
| | | | 40%) | | | | | | | | | | | | | | | | | |
| 2 | Rice- | Integrate | Integrate | 3 | 3 | | Rice | 2.5 | 2.9 | | | 36000 | 12930 | 93300 | 2.6 | | | | | |
| | Fish | d Rice- | d Rice- | | | | 3.3 | | | | | | 0 | | | | | | | |
| | | Fish | Fish | | | | Fish | 0.72 | 0.86 | | | | | | | | | | | |
| | | Farming | Farming | | | | 1.0 | | | | | | | | | | | | | |
| 3 | Pelleted | Feed | Pelleted | 3 | 3 | | 23.0 | 16.3 | 41.41 | | | 1,55,0 | 4,05,5 | 2,50,0 | 1.66 | | | | | |
| | fish feed | managem | fish feed | | | | 5 | | | | | 00 | 00 | 00 | | | | | | |
| | | ent | | | | | | | | | | | | | | | | | | |

** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio

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

Page | 58 | Annual Progress Report, KVK, Jorhat, 2016-17

(iv) Other enterprises

| S1. | Category/ | Thematic | Name of | No. of | No. | Major | | % | Other | | Econ. | of demo. | (Rs./Ha | .) | Econ | . of cl | neck | | Remar |
|-----|----------------|------------|------------|--------|------|--------|---------|---------|---------|-------|-------|----------|---------|------|-------|---------|--------|--------|-------|
| No | Enterprise, | area | Technolo | farme | of | Perfor | mance | change | param | eters | | | | | (Rs./ | Ha.) | | | ks |
| | e.g., | | gy | rs | unit | param | eters / | in the | (if any | ·) | | | | | | | | | |
| | mushroom, | | | | S | indica | tors | paramet | | • | | | | | | - | - | | |
| | vermicompo | | | | | | | er | Dem | Chec | GC* | GR** | NR** | BCR* | GC | G | Ν | BC | |
| | st, apiculture | | | | | Dem | Chec | | 0 | k | * | | | * | | R | R | R | |
| | etc. | | | | | 0 | k | | | | | | | | | | | | |
| 1 | Mushroom | Mushroo | Mushroo | 50 | 5 | | | | | | Rs. | 345.0 | 295.0 | 5.9 | | | | | |
| | | m | m var. | | | | | | | | 50/- | 0 | 0 | | We | ight o | f Mus | hroom | 950 |
| | | cultivatio | Oyster (P. | | | | | | | | | | | | in 1 | st pic | king / | bed | gm |
| | | n | ostrietus) | | | | | | | | | | | | We | ight o | f Mus | hroom | 650 |
| | | | | | | | | | | | | | | | in 2 | nd pi | cking | / bed | gm |
| | | | | | | | | | | | | | | | We | ight o | f Mus | hroom | 450 |
| | | | | | | | | | | | | | | | in 3 | rd pic | king / | /bed | gm |
| | | | | | | | | | | | | | | | We | ight o | f Mus | hroom | 250 |
| | | | | | | | | | | | | | | | in 4 | th pic | king / | bed | gm |
| | | | | | | | | | | | | | | | No. | of pi | cking | | 4 |
| | | | | | | | | | | | | | | | | 1 | 0 | | times |
| | | | | | | | | | | | | | | | Ave | g. Yie | ld per | | 2.3 |
| | | | | | | | | | | | | | | | Mu | shroo | m bed | l (kg) | kg |

** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio

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

(v) Farm Implements and Machinery

| Sl. No. | Name of | Crop | Name of | No. of | Area (In | Field observa | ation | % change | Labour | Cost | Remarks |
|---------|-----------|------|--------------|---------|----------|---------------|----------|-----------|------------|----------------|---------|
| | implement | | Technology | farmers | ha.) | (Output/ mar | n-hours) | in the | reduction | reduction (Rs. | |
| | | | demonstrated | | | | | parameter | (Man days) | per ha. or Rs. | |
| | | | | | | Demo | Check | | | per unit etc.) | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| 3.3.1. <u>Farmers and Farm Women</u> in <u>On Campus</u> including <u>Sponsored On Campus</u> Training Programme | (*Sp. On means On Campus training programmes |
|--|--|
| sponsored by external agencies) | |

| Thematic | prog | | | | | | | | | | Parti | icipants | | | | | | | | | | |
|----------------|------------|--------|--------|-----|------|-----|-------|-----|------|-----|-------|----------|------|------|--------------|------|------|-------|-------|-----|--------------|-----|
| area | On- | Spo | Tota | | | Ge | neral | | | | | S | C/ST | | | | | Tot | tal | | | Gr |
| | Campus | n | 1 | Μ | lale | Fei | male | To | otal | Μ | [ale | Fer | nale | To | otal | Μ | ale | Fen | nale | То | tal | an |
| | (1) | On* | (1+2 | On | Sp. | On | Sp. | On | Sp. | On | Sp. | On | Sp. | On | Sp. | On | Sp. | On | Sp. | On | Sp. | d |
| | | |) | (4) | On | (6) | On | (a= | On | (8) | On | (10 | On | (c= | On | (4+8 | On | (6+10 | On | (x= | On | То |
| | | (2) | | | (5) | | (7) | 4+6 | (b= | | (9) |) | (11) | 8+10 | (d = |) | (5+9 |) | (7+11 | а | (y= | tal |
| | | | | | | | |) | 5+7 | | | | |) | 9+11 | |) | |) | +c) | b | (x |
| | | | | | | | | |) | | | | | |) | | | | | | + d) | + |
| | | | | | | | | | | | | | | | | | | | | | | v) |
| I. Horticultur | ·e | | | | | | | | | | | | | | | | | | | | | 3) |
| a) Fruits | | | | | | | | | | | | | | | | | | | | | | |
| Plant | 2 | - | 2 | 25 | - | - | - | 25 | - | 25 | - | - | - | 25 | - | 50 | - | 50 | - | 50 | - | 50 |
| propagation | | | | | | | | | | | | | | | | | | | | | | |
| techniques | | | | | | | | | | | | | | | | | | | | | | |
| II Livestock I | Production | and Ma | anagem | ent | L | | 1 | 1 | 1 | | 1 | | | | 1 | 1 | • | | | | | |
| Dairy | 1 | - | 1 | 3 | - | 17 | - | 20 | - | 20 | - | 1 | - | 21 | | 23 | - | 18 | - | 41 | | 41 |
| Managemen | | | | | | | | | | | | | | | | | | | | | | |
| t | | | | | | | | | | | | | | | | | | | | | | |
| Poultry | 1 | | 1 | 3 | - | 22 | - | 25 | - | - | - | 1 | - | 1 | - | 3 | - | 23 | - | 26 | - | 26 |
| Managemen | | | | | | | | | | | | | | | | | | | | | | |
| t | | | | | | | | | | | | | | | | | | | | | | |
| Piggery | 1 | | 1 | 9 | - | 14 | - | 24 | - | - | - | - | - | - | - | - | - | - | - | 24 | - | 24 |
| Managemen | | | | | | | | | | | | | | | | | | | | | | |
| t | | | | | | | | | | | | | | | | | | | | | | |
| III. Home Sci | ence/Wome | en emp | owerme | ent | | | | | | | | | | | | | | | | | | |
| Value | 1 | - | 1 | - | - | 15 | - | 15 | - | - | - | 9 | - | 9 | - | - | - | 24 | - | 24 | - | 24 |
| addition | | | | | | | | | | | | | | | | | | | | | | |
| Income | 1 | - | 1 | - | - | 16 | - | 16 | - | - | - | 9 | - | 9 | - | - | - | 25 | - | 25 | - | 25 |
| generation | | | | | | | | | | | | | | | | | | | | | | |
| activities for | | | | | | | | | | | | | | | | | | | | | | |
| empowerme | | | | | | | | | | | | | | | | | | | | | | |
| nt of rural | | | | | | | | | | | | | | | | | | | | | | |
| Women | | | | | | | | | | | | | | | | | | | | | | |

Page | 60 | Annual Progress Report, KVK, Jorhat, 2016-17

| TOTAL | 7 | - | 7 | 40 | - | 84 | - | 125 | - | 45 | - | 20 | - | 65 | - | 76 | - | 140 | - | 190 | - | 19 0 |
|----------------------------------|-----------------------|------------------|---------------------------|-----------------------|-------------------------|-----------------------|-------------------------|---------------|--------------|------|----------------|----------------|---------|---------|--------|---------|---------|--------|---------|--------|-------|----------|
| 3.3.2. Achiever Campus traini | ments on ng progra | Traini mmes s | ng of <u>F</u> sponsor | <u>armer</u> ed bv | <u>rs and</u> extern | <u>Farm</u> al age | <u>1 Won</u> encies) | <u>nen</u> in | <u>Off C</u> | ampu | <u>s</u> inclu | iding <u>i</u> | Sponso | ored Of | f Camp | ous Tra | ining P | rogram | mes (*S | p. Off | means | s Off |
| Thematic are | a No. | of Cou | irses/ | | | 8 | , | | | | | P | articip | ants | | | | | | | | Gr |
| | | prg. | | | | | | | | | | | • | | | | | | | | | an |
| | Off | Sp | Tota | | | Ge | neral | | | | | S | C/ST | | | | | To | tal | | | d |
| | | Off | 1 | | | | | | | | | | | | | | | | | | | То |
| | | * | | Μ | ale | Fei | male | Τα | otal | M | ale | Fer | nale | To | otal | Μ | ale | Fen | nale | То | tal | tal |
| | | | | Of | Sn | Of | Sn | Off | Sn | Of | Sn | Off | Sn | Off | Sn | Off | Sn | Off | Sn | Off | Sn | - |
| | | | | f | Off | f | Off | OII | Off | f | Off | | Off | on | Off* | on | Off* | On | Off* | on | Off | |
| | | | | 1 | * | 1 | * | | * | 1 | * | | * | | on | | on | | | | * | |
| L Crop Produc | rtion | | | | | | | | | | | | | | | | | | | | · | <u> </u> |
| Seed production | n 3 | - | 3 | 65 | - | 1 | - | 66 | - | 23 | - | 2 | - | 25 | - | 23 | - | 2 | - | 91 | - | 91 |
| Integrated Crop | 9 | - | 9 | 79 | - | 6 | - | 85 | - | 16 | - | - | 169 | _ | _ | 248 | - | 6 | _ | 254 | - | 25 |
| Management | - | | | | | | | | | 9 | | | | | | | | _ | | | | 4 |
| II. Horticultur | e | | | | 1 | | 1 | | | | 1 | | 1 | | | | | | | | | |
| a) Vegetable C | rops | | | | | | | | | | | | | | | | | | | | | |
| Export potentia | 1 1 | - | 1 | - | 20 | - | - | 20 | - | 5 | - | - | - | 5 | - | 25 | - | - | - | 25 | - | 25 |
| vegetables | | | | | | | | | | | | | | | | | | | | | | |
| b) Spices | | | • | • | | | | | | | | | | | | | • | | | • | | |
| Production and | 1 | - | 1 | - | 20 | - | - | 20 | - | 5 | - | - | - | 5 | - | 25 | - | - | - | 25 | - | 25 |
| Management | | | | | | | | | | | | | | | | | | | | | | |
| technology | | | | | | | | | | | | | | | | | | | | | | |
| III Soil Health | and Ferti | lity Ma | nagem | ent | | | | | | | | | | | | | | | | | | |
| Integrated | 1 | - | 1 | - | - | - | - | - | - | 25 | - | - | - | 25 | - | - | - | 25 | - | 25 | - 1 | 25 |
| Nutrient | | | | | | | | | | | | | | | | | | | | | | |
| Management | | | | | | | | | | | | | | | | | | | | | | |
| Production and use of organic | 4 | - | 4 | 40 | - | 20 | - | 60 | - | 24 | - | 20 | - | 44 | - | 64 | - | 40 | - | 104 | - | 10 4 |

Page | 61 | Annual Progress Report, KVK, Jorhat, 2016-17

| inputs | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|-------------|-------|---------|------|---|----|---|-----|---|----|---|----|---|----|---|----|---|----|---|-----|---|----|
| IV Livestock Prod | luction | and M | [anager | nent | | | | | | | | | | | | | | | | | | |
| Dairy | 3 | | 3 | 54 | - | 17 | - | 71 | - | 18 | - | 13 | | 31 | - | 72 | | 30 | _ | 102 | - | 10 |
| Management | | | _ | | | | | , - | | | | | | | | | | | | | | 2 |
| Poultry | 4 | | 4 | 23 | | 64 | | 87 | - | 12 | - | 13 | | 25 | - | 35 | | 77 | - | 105 | | 10 |
| Management | | | | | | | | | | | | | | | | | | | | | | 5 |
| Piggery | 2 | | 2 | 4 | - | 22 | - | 26 | - | 15 | - | 12 | - | 27 | - | 19 | - | 34 | - | 53 | - | 53 |
| Management | | | | | | | | | | | | | | | | | | | | | | |
| Rabbit | 1 | | 1 | 5 | - | 14 | - | 19 | - | 2 | - | 6 | - | 8 | - | 7 | - | 20 | - | 27 | - | 27 |
| Management | | | | | | | | | | | | | | | | | | | | | | |
| Production of | 1 | | 1 | 5 | - | 22 | - | 27 | - | - | - | - | - | - | - | 5 | - | 22 | - | 27 | - | 27 |
| quality animal | | | | | | | | | | | | | | | | | | | | | | |
| products | | | | | | | | | | | | | | | | | | | | | | |
| V Home Science/V | Vomen | empov | wermer | nt | | | | | | | | | | | | | | | | | | |
| Value addition | 2 | - | 2 | - | - | 30 | - | 30 | - | - | - | 19 | - | 19 | - | - | - | 49 | - | 49 | - | 49 |
| Income | 1 | - | 1 | - | - | 12 | - | 12 | - | - | - | 12 | - | 12 | - | - | - | 24 | - | 24 | - | 24 |
| generation | | | | | | | | | | | | | | | | | | | | | | |
| activities for | | | | | | | | | | | | | | | | | | | | | | |
| empowerment of | | | | | | | | | | | | | | | | | | | | | | |
| rural Women | | | | | | | | | | | | | | | | | | | | | | |
| Women and child | 1 | - | 1 | - | - | 13 | - | 13 | - | - | - | 12 | - | 12 | - | - | - | 25 | - | 25 | - | 25 |
| care | | | | | | | | | | | | | | | | | | | | | | |
| VII Plant Protecti | on | | | | | | | | | | | | | | | - | | | | | | |
| Integrated Pest | 2 | - | 2 | 48 | - | 17 | - | 65 | - | - | - | - | - | - | - | 48 | - | 17 | - | 65 | - | 65 |
| Management | | | | | | | | | | | | | | | | | | | | | | |
| Integrated | 2 | - | 2 | - | - | 25 | - | 25 | - | - | - | 26 | - | 26 | - | - | - | 51 | - | 51 | - | 51 |
| Disease | | | | | | | | | | | | | | | | | | | | | | |
| Management | | | | | | | | | | | | | | | | | | | | | | |
| Production of | 1 | - | 1 | 21 | - | 2 | - | 23 | - | 12 | - | - | - | 12 | - | 33 | - | 2 | - | 35 | - | 35 |
| bio control | | | | | | | | | | | | | | | | | | | | | | |
| agents and bio | | | | | | | | | | | | | | | | | | | | | | |
| pesticides | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |

Page | 62 | Annual Progress Report, KVK, Jorhat, 2016-17

| 2 23 - 2 25 - 13 39 40 2 2 13 39 40 2 2 13 39 40 2 2 13 39 40 2 2 1 1 n O | - 1 40 26 6 n <u>On Car</u> nmes spor <u>Ge</u> e Fe <u>Sp.</u> O | - - - - - - - - - - - - - - - - - - - | 24 25 698 ncludir by ext | - - ng <u>Spon</u> ernal a | 25 25 36 0 msorec agenci | - - - - - - - - - - - - - - - - - - - | 1 | - 169 <u>s</u> Train Particip C/ST | 26 25 327 iing Propants | - - gramm | 48 50 702 | - | 2 50 476 | - - | 50 50 118 7 | - | 50 50 11 87 Gr an d |
|---|--|--|--|--|---|---|--|---|---|---|---|--|---|---|--|--|--|
| 2 25 - 13 39 40 2 2 40 13 2 40 13 2 40 1 n Ota 1 n Ota | | - - - - - - - - - - - - - - - - - - - | 25 698 ncludir by ext | - - ng <u>Spor</u> ernal a | 25 36 0 nsorec ngenci | - - - - es) | - 13 6 ampu: F | - 169 <u>s</u> Train Particip C/ST | 25 327 ants | - - gramm | 50 702 res | - | 50 476 | - - | 50 118 7 | - | 50 11 87 Gr an d |
| 13 39 40 2 ural Youth in ing programs 5/ Male ota O Sp 1 n O | 40 26 6 6 n On Car nmes spon Ge e Fe 5p. O | mpus ir nsored eneral male Sp. | 698 ncludir by ext | ng <u>Spoi</u> ernal a | 36 0 nsored ngenci | - 1 On C es) Tale | 13 6 ampus F | 169 <u>s</u> Train Particip C/ST | 327 ing Pro pants | - gramm | 702 nes | - | 476 To | - | 118 7 | - | 11 87 Gr an d |
| ural Youth in ning programm s/ Male ota O Sp 1 n O | n <u>On Car</u> nmes spor Ge e Fe Sp. O | npus ir nsored eneral male Sp. | ncludir by ext | ng <u>Spor</u> ernal a | nsored ngenci | <u>l On C</u> es) [ale | ampu: F | <u>s</u> Train Particip C/ST | iing Pro pants | gramm | les | | To | tal | | | Gr an d |
| s/ Male ota O Sp l n O | Ge e Fe Sp. O | eneral male Sp. | To | otal | M | lale | F S | Particip C/ST | oants | | | | То | tal | | | Gr an d |
| Male ota O Sp l n O | Ge e Fe Sp. O | eneral male Sp. | To | otal | M | lale | S | C/ST | | | | | To | tal | | | d |
| ota O Sp l n O | e Fei Sp. O | male Sp. | To | otal | Μ | lale | E | | | | | | - | | | | |
| ota O Sp l n O | Sp. O | Sp. | ~ | | - | | Fer | nale | Total | | Male | | Femal | e | Tota | | То |
| | On n | On | On (a= | Sp. On | O n | Sp. On | On (10 | Sp. On | On (c= | Sp. On | On (4+8 | Sp. On | On (6+1 | Sp. On | On (x= | Sp. On | tal (x |
| +2 (4) (5 | (5) (6) | (7) | 4+6) | (b= 5+7 | (8) | (9) |) | (11) | 8+10) | (d= 9+11 |) | (5+9) | 0) | (7+1 1) | a +c) | (y= b +d) | + y) |
| 1 | - | - | - | - | - | 8 | - | 9 | | 17 | - | 8 | - | 9 | - | 17 | 17 |
| 1 | - | - | - | - | 6 | - | 11 | - | 17 | - | 6 | - | 11 | - | 17 | - | 17 |
| 1 9 - | 9 | - | 18 | - | - | - | 7 | - | 7 | - | 9 | - | 16 | - | 25 | - | 25 |
| 1 | 14 | - | 14 | - | - | - | - | - | - | - | - | - | 14 | - | 14 | - | 14 |
| 1 | 16 | - | 16 | - | - | - | 16 | - | 16 | - | - | - | 32 | - | 32 | - | 32 |
| 59- | 39 | - | 48 | - | 6 | 8 | 34 | 9 | 40 | 17 | 15 | 8 | 73 | 9 | 88 | 17 | 10 5 |
| $\frac{1}{1}$ $\frac{1}{1}$ $\frac{1}{5}$ | 9 - 9 - - 9 - | - - - - - - 9 - 9 - - 14 - - 16 9 - 39 | - - - - - - - - 9 - 9 - - - 14 - - - 16 - 9 - 39 - | - - - - - - - - - - - 9 - 9 - 18 - - 14 - 14 - - 16 - 16 9 - 39 - 48 | - - | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | - - - - - - 8 - - - - - - 8 - - - - - - 8 - - - - - 6 - 9 - 9 - 18 - - - - - 14 - 14 - - - - - 16 - 16 - - - 9 - 39 - 48 - 6 8 | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | - - - - - - 9 - - - - - - 8 - 9 - - - - - - 6 - 11 - 9 - 9 - 18 - - 7 - - - 14 - 14 - - - 16 - - - 16 - 16 - - 16 - - 9 - 16 - 9 - 39 - 48 - 6 8 34 9 | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | - - - - - - 0 | - - - - - - 8 - 9 17 - - - - - - 8 - 9 17 - - - - - - 6 - 11 - 17 - - - - - 6 - 11 - 17 - 6 9 - 9 - 18 - - 7 - 7 - 9 - - 14 - 14 - | - - - - - - 8 - 9 17 - 8 - - - - - 8 - 9 17 - 8 - - - - - 6 - 11 - 17 - 8 9 - 9 - 18 - - 7 - 7 - 9 - - - 14 - 14 - - - 16 - | - - - - - - 8 - 9 17 - 8 - - - - - - 8 - 9 17 - 8 - - - - - 6 - 11 - 17 - 8 - 9 - 9 - 18 - - 7 - 7 - 9 - 16 - - 14 - 14 - - - 16 - - 32 9 - 16 - - - 16 - - 32 9 - 39 - 48 - 6 8 34 9 40 17 15 8 73 | - - - - - - - - - - - 9 . 17 - 8 - 9 - - - - - - 8 - 9 . 17 - 8 - 9 - - - - 6 - 11 - 17 - 8 - 9 9 - - - 6 - 11 - 17 - 8 - 9 9 - 9 - 18 - - 7 - 7 - 9 - 16 - - 14 - 14 - - - 16 - - 32 - 9 - 16 - - 6 8 34 9 40 17 15 8 73 9 Pural Vouth in Off Campus including Sponsored Off Campus Training Programmes - - - - <td>- - - - - - 8 - 9 17 - 8 - 9 - - - - - - - 8 - 9 17 - 8 - 9 - - - - - - 6 - 11 - 17 - 8 - 9 - 9 - - - - 6 - 11 - 17 - 6 - 17 - 6 - 17 - 6 - 17 - 7 - 17 - 16 - 17 - 17 - 17 - 16 - 17 - 17 - 16 - 16 - 17 - 16 - 16 - 14 - 14 - 14 - 14 - 32 - 32 - 32 - 32 - 32 -</td> <td>- - - - - - - - +d) - - - - - 8 - 9 17 - 8 - 9 - 17 - - - - - 8 - 9 17 - 8 - 9 - 17 - - - - 6 - 11 - 17 - 8 - 9 - 17 9 - 9 - 18 - - 7 - 7 - 9 - 16 - 25 - - - 14 - 14 - - - - - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 15 8 73<!--</td--></td> | - - - - - - 8 - 9 17 - 8 - 9 - - - - - - - 8 - 9 17 - 8 - 9 - - - - - - 6 - 11 - 17 - 8 - 9 - 9 - - - - 6 - 11 - 17 - 6 - 17 - 6 - 17 - 6 - 17 - 7 - 17 - 16 - 17 - 17 - 17 - 16 - 17 - 17 - 16 - 16 - 17 - 16 - 16 - 14 - 14 - 14 - 14 - 32 - 32 - 32 - 32 - 32 - | - - - - - - - - +d) - - - - - 8 - 9 17 - 8 - 9 - 17 - - - - - 8 - 9 17 - 8 - 9 - 17 - - - - 6 - 11 - 17 - 8 - 9 - 17 9 - 9 - 18 - - 7 - 7 - 9 - 16 - 25 - - - 14 - 14 - - - - - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 14 - 15 8 73 </td |

Page | 63 | Annual Progress Report, KVK, Jorhat, 2016-17

| Thematic area | No | . of Co | urses/ | | | | | | | | | F | Particip | oants | | | | | | | | Gr |
|-----------------|-----|---------|------------|----|------|------|------|-----|------|----|-----|-----|----------|-------|------|-----|------|-----|------|-----|-----|-----|
| | | Prog | ; • | | | Gene | eral | | | | | S | C/ST | | | | | To | tal | | | an |
| | | | | Μ | lale | Fem | ale | To | otal | Μ | ale | Fer | nale | To | otal | M | ale | Fen | nale | To | tal | d |
| | Off | Sp | Total | Of | Sp | Off | Sp | Off | Sp | Of | Sp | Off | Sp | Off | Sp | Off | Sp | Off | Sp | Off | Sp | То |
| | | Off | | f | Off | | Off | | Off | f | Off | | Off | | Off* | | Off* | | Off* | | Off | tal |
| | | | | | * | | * | | * | | * | | * | | | | | | | | * | |
| Mushroom | | | | 17 | - | 40 | - | 57 | - | - | - | 55 | - | 55 | - | 17 | - | 95 | - | 112 | - | 11 |
| Production | | | | | | | | | | | | | | | | | | | | | | 2 |
| Bee-keeping | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Soil fertility | 1 | - | 1 | 24 | - | 3 | - | 27 | - | - | - | - | - | - | - | - | 24 | 3 | - | 27 | - | 27 |
| Management | | | | | | | | | | | | | | | | | | | | | | |
| Production of | 1 | - | 1 | 5 | - | 28 | - | 33 | - | - | - | - | - | - | - | 5 | - | 28 | - | 33 | - | 33 |
| organic inputs | | | | | | | | | | | | | | | | | | | | | | |
| Plantation crop | 1 | - | 1 | 26 | - | - | - | 26 | - | - | - | - | - | - | - | - | - | - | - | 26 | - | 26 |
| Small scale | 1 | - | 1 | - | - | 11 | - | 11 | - | - | - | 11 | - | 11 | - | - | - | 22 | - | 22 | - | 22 |
| processing | | | | | | | | | | | | | | | | | | | | | | |
| Post Harvest | 1 | - | 1 | - | - | 20 | - | 20 | - | - | - | 5 | - | 5 | - | - | - | 25 | - | 25 | - | 25 |
| Technology | | | | | | | | | | | | | | | | | | | | | | |
| Rural Crafts | 1 | - | 1 | - | - | 20 | - | 20 | - | - | - | 20 | - | 20 | - | - | - | 40 | - | 40 | - | 32 |
| TOTAL | 10 | - | 10 | 72 | - | 122 | - | 194 | - | - | - | 91 | - | 91 | - | 22 | 24 | 213 | - | 285 | - | 27 |
| | | | | | | | | | | | | | | | | | | | | | | 7 |

| C. Extension I | C. Extension Personnel 3.3.5. Achievements on Training of <u>Extension Personnel</u> in <u>On Campus</u> including <u>Sponsored On Campus</u> Training Programmes | | | | | | | | | | | | | | | | | | | | | |
|-----------------|--|---------------------------|-----------------|---------------------------------|---------|---|----------------|--------------|-----------------|-------|---------------|--------|----------|-----------------|--------------|---------|------|-------|-------|-------|--------------|---------|
| 3.3.5. Achiever | .5. Achievements on Training of Extension Personnel in On Campus including Sponsored On Campus Training Programmes Sp. On means On Campus training programmes sponsored by external agencies) hematic area No. of Courses/ | | | | | | | | | | | | | | | | | | | | | |
| (*Sp. On mea | ans On Ca | mpus ti | raining | progr | ammes | imes sponsored by external agencies) Participants G al SC/ST Total ra | | | | | | | | | | | | | | | | |
| Thematic are | ea no | 01 COU nrog | urses/ | Gen | oral | | | | | SC/ | т | 1 | artici | Jants | | Total | | | | | | ra |
| | | prog | | M | ale | Fei | male | Tota | 1 | Mal | эт е | Fem | ale | Total | | Male | | Femal | e | Total | | nd |
| | On | Sp | Total | On | Sp. | On | Sp. | On | Sp. | On | Sp. | On | Sp. | On | Sp. | On | Sp. | On | Sp. | On | Sp. | То |
| | (1) | On* | (1+2) | (4) | On | (6) | On | (a= | On | (8) | On | (10 | On | (c= | On | (4+8 | On | (6+10 | On | (x= | On | tal |
| | | (2) | | | (5) | | (7) | 4+6 | (b= | | (9) |) | (11) | 8+10 | (d = |) | (5+9 |) | (7+11 | а | (y= | (X + |
| | | | | | | | |) | 5+7 | | | | |) | 9+11 | |) | |) | +c) | b | y) |
| Integrated | 1 | | 1 | 10 | | 2 | | 20 |) | 16 | | | | 16 |) | 24 | | 2 | | 26 | + d) | 26 |
| Nutrient | 1 | - | 1 | 18 | - | | | | | | | | | | | | | | | | | |
| management | | | | | | | | | | | | | | | | | | | | | | |
| Management ir | n 1 | - | 1 | 20 | - | 20 - 5 5 - 25 25 - 25 | | | | | | | | | | | | | | | | |
| farm animals | | | - | | | 20 - 5 - 5 - 25 - 25 - 25 - 25 - 25 | | | | | | | | | | | | | | | | |
| Production and | l 1 | - | 1 | 16 | - | 8 | - | 24 | - | - | - | - | - | - | - | 16 | - | 8 | - | 24 | - | 24 |
| use of organic | | | | | | | | | | | | | | | | | | | | | | |
| inputs | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 3 | - | 3 | 54 | - | 10 | - | 64 | - | 21 | - | - | - | 21 | - | 75 | - | 10 | - | 85 | - | 85 |
| | 4 | | <u>е</u> т. (| | D | | O CC | a | | | a | | | T | ••• | D | | | | | | |
| 5.5.6. Achievel | ments on 1 | raining | g of <u>Ext</u> | ensior | 1 Perso | <u>nnei</u> 1 | n <u>OII (</u> | <u>Campu</u> | <u>is</u> incit | ang | Sponse ag) | orea U | n Can | <u>npus</u> 1 r | aining | Prograi | nmes | | | | | |
| ('Sp. Off mea | No of C | mpus i | nrog | progr | annne | s spon | isoreu | by ext | ernar a | genci | es) | T | Particir | onte | | | | | | | | G |
| area | | 0 u 13 c 3/ | prog. | | | | | | | | | 1 | articip | Janto | | | | | | | | ra |
| urcu | Off | Sp | Tota | Gen | eral | | | | | SC/S | ST | | | | | Total | | | | | | n |
| | | Off | 1 | MaleFemaleTotalMaleFemaleTotald | | | | | | | | | | | | | | | | | | |
| | | * | | Of | Sp | Of | Sp | Off | Sp | Of | Sp | Off | Sp | Off | Sp | Off | Sp | Off | Sp | Off | Sp | Т |
| | | | | f | Off | f | Off | | Off | f | Off | | Off | | Off* | | Off* | | Off* | | Off | ot |
| | | | | | * | | * | | * | | * | | * | | | | | | | | * | al |
| TOTAL | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

Note: Please furnish the details of above training programmes as <u>Annexure</u> in the proforma given below

| Discipline | Area of training | Title of the training programme | Date (From – to) | Duration in days | Venue | Please specify Beneficiary group (Farmer | (pa | Genera rticipa | al ints | | SC/S | T | G | Frand T | otal |
|---------------------|-----------------------------------|---|---|---------------------|----------------|--|---------|-------------------|------------|----|------|----|----|---------|------|
| | | | | | | & Farm women/ RY/ EP and NGO Personnel) | М | F | Т | М | F | Т | М | F | T |
| Agronomy | Seed production | Quality seed production of major cereals with special emphasis on seed certification | 24.09.16 | 1 day | KVK, Jorhat | Extension Personnel | 32 | 18 | 50 | 6 | 5 | 11 | 38 | 23 | 61 |
| Horticulture | Plant Propagation technique | Propagation technique of fruit crops | 15.03.17 to 17.03.17 | 3 days | KVK, Jorhat | Farmers and Farm women | 20 | - | 20 | 3 | - | 3 | 23 | - | 23 |
| | Plant Propagation technique | Nursery raising technique of winter vegetables | 03.01.17 | 1 day | KVK, Jorhat | Farmers and Farm women | 15 | 5 | 20 | 5 | - | 5 | 25 | - | 25 |
| Soil Science | Fertility Management | Soil fertility management | 29.06.16 | 1 day | KVK, Jorhat | Extension Personnel | 17 | - | 17 | 17 | 2 | 19 | 34 | 2 | 36 |
| | Production of organic input | Production of organic input | 17.11.16 18.11.16 | 2 days | KVK, Jorhat | Extension Personnel | 4 | 4 | 8 | 12 | 4 | 16 | 16 | 8 | 24 |
| | Production of organic input | Production technology of Azolla, compost adnd vermicompost | 18.10.16 | 1 day | KVK, Jorhat | Rural youth | - | - | - | 6 | 11 | 17 | 6 | 11 | 17 |
| Plant Protection | Bee keeping | Bee keeping- a venture for self employment | 12 th Oct 15 th | 4 days | KVK, Jorhat | School drop out | - | - | - | 8 | 9 | 17 | - | 17 | 17 |

Annexure 1: Details of Training Programme (On Campus including Sponsored On Campus) for Farmers, Farm Women, Rural Youth and Extension Personnel

Page | 66 | Annual Progress Report, KVK, Jorhat, 2016-17

| | | | Oct., 16 | | | | | | | | | | | | |
|--------------------|----------------------------------|--|----------------------------|--------|----------------|------------------------|----|----|----|---|----|----|----|----|----|
| | Production of biopesticides | Preparation of home made pesticides and their application in crop fields | 19.11.16 | 1 day | KVK, Jorhat | Rural youth | 18 | 5 | 23 | - | - | - | 18 | 5 | 23 |
| | Biocontrol | Plant Protection technology of horticultural crops by using biocontrol agents and biopesticides | 04.01.17 to 07.01.17 | 4 days | KVK, Jorhat | Rural youth | 9 | 9 | 18 | - | 9 | 9 | 9 | 16 | 25 |
| Fishery Science | IFS | Integrated fish farming | 17.08.16 to 19.08.16 | 3 days | KVK, Jorhat | Farmers and farmwomen | 25 | 1 | 26 | - | - | - | 26 | - | 26 |
| Animal Science | Poultry | Commercial quail farming | 06.09.16 | 1 day | KVK jorhat | Farmers and farmwomen | 3 | 22 | 25 | - | 1 | 1 | 4 | 23 | 26 |
| | Disease management | Bio-security measures in farm premises | 28.09.16 | 1 day | KVK jorhat | Extension personals | 15 | 9 | 24 | - | - | - | 15 | 9 | 24 |
| Home Science | Income generation activity | Income generation activity for rural youth | 13.10.16 | 1 day | KVK, Jorhat | Rural youth | - | 14 | 14 | - | - | - | - | 14 | 14 |
| | Value addition | Value addition of fruits and vegetables | 02.11.16 | 1 day | KVK, Jorhat | Farmers and farmwomen | - | 20 | 20 | - | 4 | 4 | - | 24 | 24 |
| | Entrepreneurship development | Entrepreneurship development through SHGs | 06.02.17 | 1 day | KVK, Jorhat | Farmers and farmwomen | - | 20 | 20 | - | 5 | 5 | - | 25 | 25 |
| | Income generation activity | Income generation activity for rural youth | 16.01.17 to 18.01.17 | 3 days | KVK, Jorhat | Rural youth | - | 20 | 20 | - | 12 | 12 | - | 32 | 32 |
| | Income | Preparation of | 08.03.17 | 1 day | KVK, | Rural youth | - | 20 | 20 | - | 4 | 4 | - | 24 | 24 |

Page | 67 | Annual Progress Report, KVK, Jorhat, 2016-17

| generation | artificial flowers | | | Jorhat | | | | | | | | | | |
|----------------|--------------------|----------|-------|--------|-------------|-----|-----|-----|----|----|-----|-----|-----|-----|
| activity | | | | | | | | | | | | | | |
| value addition | Diversification | 10.03.17 | 1 day | KVK, | Farm women | - | 20 | 20 | - | 4 | 4 | - | 24 | 24 |
| | of woven fabric | | | Jorhat | | | | | | | | | | |
| | for better | | | | | | | | | | | | | |
| | marketability | | | | | | | | | | | | | |
| Tying & dyeing | Development of | 11.03.17 | 1 day | KVK, | Rural youth | - | 21 | 21 | - | 4 | 4 | - | 25 | 25 |
| | Tying & dyeing | | | Jorhat | | | | | | | | | | |
| 19 | | | | | | 158 | 208 | 366 | 57 | 74 | 131 | 214 | 282 | 495 |

Annexure 2: Details of Training Programme (Off Campus including Sponsored Off Campus) for Farmers, Farm Women, Rural Youth and Extension Personnel

| Discipline | Area of training | Title of the | Date | Duration | Venue | Please specify | General participants | | ıl | | SC/ST | | Gr | and T | otal |
|------------|------------------|------------------|----------|----------|-------------|----------------|-------------------------|---------|-----|----|-------|----|----|-------|------|
| | | training | (From – | in days | | Beneficiary | pa | rticipa | nts | | | | | | |
| | | programme | to) | | | group (Farmer | Μ | F | Т | Μ | F | Т | Μ | F | Т |
| | | | | | | & Farm | | | | | | | | | |
| | | | | | | women/ RY/ | | | | | | | | | |
| | | | | | | EP and NGO | | | | | | | | | |
| | | | | | | Personnel) | | | | | | | | | |
| Agronomy | ICM | Scientific rice | 27.06.16 | 1 day | Budhboria | Farmers and | 17 | - | 17 | 13 | - | 13 | 30 | - | 30 |
| | | production | | | | Farm women | | | | | | | | | |
| | ICM | Scientific pulse | 13.12.16 | 1 day | Greezing | Farmers and | 10 | 6 | 16 | 15 | - | 15 | 25 | 6 | 31 |
| | | production | | | Chapori | Farm women | | | | | | | | | |
| | ICM | Scientific pulse | 14.12.16 | 1 day | Chumoni | Farmers and | 1 | - | 1 | 25 | - | 25 | 1 | 25 | 26 |
| | | production | | | Chapori | Farm women | | | | | | | | | |
| | ICM | Scientific | 15.12.16 | 1 day | Kothalkhowa | Farmers and | 24 | - | 24 | 1 | - | 1 | 24 | 1 | 25 |
| | | cultivation of | | | | Farm women | | | | | | | | | |
| | | oilseeds | | | | | | | | | | | | | |
| | ICM | Scientific pulse | 16.12.16 | 1 day | Selek | Farmers and | - | - | - | 27 | - | 27 | 27 | - | 27 |
| | | production | | | | Farm women | | | | | | | | | |
| | ICM | Scientific Toria | 27.10.16 | 1 day | Kakorikota | Farmers and | 1 | - | 1 | 43 | - | 43 | 44 | - | 44 |
| | | production | | | | Farm women | | | | | | | | | |
| | ICM | Scientific pulse | 15.11.16 | 1 day | Greezing | Farmers and | 3 | - | 3 | 23 | - | 23 | 26 | - | 26 |
| | | production | | | Chapori | Farm women | | | | | | | | | |
| | ICM | Scientific pulse | 16.11.16 | 1 day | Kothalkhowa | Farmers and | 23 | - | 23 | - | - | - | 23 | - | 23 |

Page | 68 | Annual Progress Report, KVK, Jorhat, 2016-17

| | | production | | | | Farm women | | | | | | | | | |
|--------------|-----------------|------------------|----------|--------|----------------|-------------|----|----|----|----|---|----|----|----|----|
| | ICM | Scientific pulse | 17.11.16 | 1 day | Sesa chuk | Farmers and | - | - | - | 22 | - | 22 | 22 | - | 22 |
| | | production | | | | Farm women | | | | | | | | | |
| | Seed production | Quality seed | 21.08.16 | 1 day | Sukanjan | Farmers and | 25 | 1 | 26 | - | - | - | 25 | 1 | 26 |
| | | production of | | | | Farm women | | | | | | | | | |
| | | rice | | | | | | | | | | | | | |
| | Seed production | Quality seed | 05.09.16 | 1 day | Barbari pothar | Farmers and | 40 | - | 40 | - | - | - | 40 | - | 40 |
| | | production of | | | | Farm women | | | | | | | | | |
| | | kharif pulse | | | | | | | | | | | | | |
| Horticulture | Spice | Organic | 03.02.17 | 1 day | Mariani | Farmers and | 20 | 5 | 25 | - | - | - | 20 | 5 | 25 |
| | | cultivation of | | | | Farm women | | | | | | | | | |
| | | Ginger and | | | | | | | | | | | | | |
| | | turmeric | | | | | | | | | | | | | |
| Soil | Fertility | Soil fertility | 07.03.17 | 1 day | Kothalkhowa | Rural youth | 24 | 3 | 27 | - | - | - | 24 | 3 | 27 |
| Science | Management | management | | | | | | | | | | | | | |
| | Production of | Production | 01.11.16 | 3days | Tipomia | Farmers and | - | 26 | 26 | - | - | - | 26 | - | 26 |
| | organic input | technology of | to | | | Farm women | | | | | | | | | |
| | | Azolla, compost | 03.11.16 | | | | | | | | | | | | |
| | | and | | | | | | | | | | | | | |
| | | vermicompost | | | | | | | | | | | | | |
| | Production of | Production | 15.12.16 | 1day | Kothalkhowa | Farmers and | 24 | 1 | 25 | - | - | - | 24 | 1 | 25 |
| | organic input | technology of | | | | Farm women | | | | | | | | | |
| | | vermicompost | | | | | | | | | | | | | |
| | | and enriched | | | | | | | | | | | | | |
| | | compost | | | | | | | | | | | | | |
| | Production of | Production | 27.02.17 | 3 days | Rowmara | Farmers and | 20 | 6 | 26 | - | - | - | 20 | 6 | 26 |
| | organic input | technology of | to | | | Farm women | | | | | | | | | |
| | | Azolla, compost | 03.02.17 | | | | | | | | | | | | |
| | | and | | | | | | | | | | | | | |
| | | vermicompost | | | | | | | | | | | | | |
| | Production of | Production | 04.02.17 | 1day | Mogroi | Rural youth | 5 | 28 | 33 | - | - | - | 5 | 28 | 33 |
| | organic input | technology of | | | | | | | | | | | | | |
| | | vermicompost | | | | | | | | | | | | | |
| | | and enriched | | | | | | | | | | | | | |
| | | compost | | | | | | | | | | | | | |

Page | 69 | Annual Progress Report, KVK, Jorhat, 2016-17

| | INM | INM in pulses | 13.12.16 | 2 days | Lahon | Farmers and | 25 | - | 25 | - | - | - | 25 | - | 25 |
|------------|-----------------|-----------------|----------|--------|----------------|-------------|----|----|----|----|----|----|----|----|----|
| | | | & | | | Farm women | | | | | | | | | |
| | | | 14.12.16 | | | | | | | | | | | | |
| | Plantation crop | Management of | 10.01.17 | 3 days | Fesual | Rural youth | 26 | - | 26 | - | - | - | 26 | - | 26 |
| | | young tea | to | | | | | | | | | | | | |
| | | | 12.01.17 | | | | | | | | | | | | |
| Plant | Mushroom | Training cum | 19.07.16 | 1 day | Neolgaon, | Rural youth | - | - | - | - | 25 | 25 | - | 25 | 25 |
| Protection | cultivation | method | | | Allengmora | | | | | | | | | | |
| | | demonstration | | | | | | | | | | | | | |
| | | on Mushroom | | | | | | | | | | | | | |
| | | cultivation | | | | | | | | | | | | | |
| | IPM | Integrated pest | 09.09.16 | 1 day | Chintamonigarh | Farmers and | 27 | 12 | 39 | - | - | - | 27 | 12 | 39 |
| | | management in | | | | Farm women | | | | | | | | | |
| | | rice | | | | | | | | | | | | | |
| | IPM | Integrated pest | 10.09.16 | 2 days | Charingia gaon | Farmers and | 21 | 5 | 26 | - | - | - | 21 | 5 | 26 |
| | | and disease | & | | | Farm women | | | | | | | | | |
| | | management in | 12.09.16 | | | | | | | | | | | | |
| | | rice | | | | | | | | | | | | | |
| | Mushroom | Mushroom | 14.09.16 | 2 days | Dangdhara, | Rural youth | - | - | - | - | 26 | 26 | - | 26 | 26 |
| | cultivation | cultivation for | & | | Titabar | | | | | | | | | | |
| | | self employment | 23.09.16 | | | | | | | | | | | | |
| | Production of | Low cost | 05.11.16 | 1 day | Tulshijan, | Rural youth | 21 | 2 | 23 | 12 | - | 12 | 33 | 2 | 35 |
| | biopesticides | production | | | Bamunpukhuri | | | | | | | | | | |
| | | technology of | | | | | | | | | | | | | |
| | | biopesticides | | | | | | | | | | | | | |
| | | and their | | | | | | | | | | | | | |
| | | application in | | | | | | | | | | | | | |
| | | agricultural | | | | | | | | | | | | | |
| | | crops | | | | | | | | | | | | | |
| | Mushroom | Mushroom | 22.11.16 | 2 days | Chaliha gaon | Rural youth | 6 | 17 | 23 | - | 4 | 4 | 6 | 21 | 27 |
| | cultivation | cultivation for | & | | | | | | | | | | | | |
| | | self employment | 23.11.16 | | | | | | | | | | | | |
| | IDM | Integrated pest | 06.12.16 | 2 days | Sekuria gaon, | Farmers and | - | - | - | - | 26 | 26 | - | 26 | 26 |
| | | and disease | & | | Titabar | farmwomen | | | | | | | | | |
| | | management in | 07.12.16 | | | | | | | | | | | | |

Page | 70 | Annual Progress Report, KVK, Jorhat, 2016-17

| | | rice | | | | | | | | | | | | | |
|---------|-------------|---------------------------|----------|--------|-----------------|-------------|----|----|----|---|----|----|----|----|----|
| | Mushroom | Mushroom | 27.03.17 | 2 days | Jatakia gaon, | Rural youth | 11 | 23 | 34 | - | - | - | 11 | 23 | 34 |
| | cultivation | cultivation for | & | | Fesual | | | | | | | | | | |
| | | self employment | 28.03.17 | | | | | | | | | | | | |
| | IDM | Integrated pest | 29.03.17 | 2 days | Lahon gaon, | Rural youth | - | 25 | 25 | - | - | - | - | 25 | 25 |
| | | and disease | & | | Nakachari | | | | | | | | | | |
| | | management in | 30.03.17 | | | | | | | | | | | | |
| | | rice | | | | | | | | | | | | | |
| Fishery | Production | Carp breeding, | 21.07.16 | 2 days | Meleng | Rural youth | 19 | 6 | 25 | 9 | - | 9 | 34 | - | 34 |
| Science | management | fry and | & | | | | | | | | | | | | |
| | | fingerling | 22.07.16 | | | | | | | | | | | | |
| | | rearing using | | | | | | | | | | | | | |
| | | multiple | | | | | | | | | | | | | |
| | | stocking and | | | | | | | | | | | | | |
| | | multiple | | | | | | | | | | | | | |
| | | tachnique | | | | | | | | | | | | | |
| Animal | Livesteek | Cara and | 07.00.16 | 1 day | Hatibal | NCO | 10 | 0 | 27 | 0 | | 0 | 27 | 0 | 26 |
| Science | LIVESTOCK | Cale and management of | 07.09.10 | 1 uay | паша | NGO | 10 | 9 | 21 | 9 | _ | 9 | 21 | 9 | 30 |
| Science | | livestock and | | | | | | | | | | | | | |
| | | noultry during | | | | | | | | | | | | | |
| | | natural disaster | | | | | | | | | | | | | |
| | Poultry | Commercial | 19.09.16 | 5 davs | Chaliha Goan | Farmers and | 4 | 11 | 15 | 3 | 13 | 14 | 7 | 24 | 31 |
| | 5 | poultry farming | to | 5 | | farmwomen | | | | | | | | | |
| | | | 23.09.16 | | | | | | | | | | | | |
| | Healthcare | Zoonotic | 31.10.16 | 1 day | Allengmora | Farmers and | - | - | - | 9 | 15 | 24 | 9 | 15 | 24 |
| | | importance of | | | | farmwomen | | | | | | | | | |
| | | swine flu and | | | | | | | | | | | | | |
| | | bird flu | | | | | | | | | | | | | |
| | Poultry | Scientific | 21.11.16 | 1 day | Maibellia | Farmers and | 1 | 24 | 25 | - | - | - | 1 | 24 | 25 |
| | | farming of | | | | farmwomen | | | | | | | | | |
| | | hybrid dual | | | | | | | | | | | | | |
| | | purpose | | | | | | | | | | | | | |
| | | backyard poultry | | | | | | | | | | | | | |
| | Goatery | Prospect of | 16.12.16 | 2 days | Kaliapani block | Farmers and | 5 | 14 | 19 | 2 | 6 | 8 | 7 | 20 | 27 |

Page | 71 | Annual Progress Report, KVK, Jorhat, 2016-17
| | | Assam Hill Goat | to | | | farmwomen | | | | | | | | | |
|---------|-----------------|--------------------|----------|--------|--------------|-------------|---|----|----|----|----|----|----|----|----|
| | | and its scientific | 17.12.16 | | | | | | | | | | | | |
| | | management | | | | | | | | | | | | | |
| | Disease | Diseases of | 19.12.16 | 1days | Hatihal | NGO | 8 | 12 | 20 | 12 | 1 | 13 | 20 | 13 | 33 |
| | management | cattle and | | | | | | | | | | | | | |
| | | buffalo with | | | | | | | | | | | | | |
| | | special reference | | | | | | | | | | | | | |
| | | to importance of | | | | | | | | | | | | | |
| | | vaccination and | | | | | | | | | | | | | |
| | | deworming | | | | | | | | | | | | | |
| | Duckery | Scientific | 29.12.16 | 1 day | Pirakota | Farmers and | 4 | 19 | 23 | - | - | - | 4 | 19 | 23 |
| | | management og | | | | farmwomen | | | | | | | | | |
| | | Broiler duck | | | | | | | | | | | | | |
| | | (Vigova Super | | | | | | | | | | | | | |
| | | M) | | | | | | | | | | | | | |
| | Fodder | Importance of | 02.02.17 | 3 days | Mugroi | Farmers and | 6 | 21 | 27 | - | - | - | 6 | 21 | 27 |
| | management | fodder | to | | | farmwomen | | | | | | | | | |
| | | cultivation for | 04.02.17 | | | | | | | | | | | | |
| | | dairy cattle | | | | | | | | | | | | | |
| | Poultry | Commercial | 10.03.17 | 1 day | Faswal | Farmers and | 4 | 22 | 26 | - | - | - | 4 | 22 | 26 |
| | | poultry farming | | | | farmwomen | | | | | | | | | |
| | Piggery | Scientific Pig | 11.03.17 | 1 day | Bandarchalia | Farmers and | 1 | 34 | 35 | - | - | - | 1 | 34 | 35 |
| | | farming | | | | farmwomen | | | | | | | | | |
| | Poultry | Scientific | 09.03.17 | 1 day | Maibelia | Farmers and | - | 33 | 33 | | - | - | - | 33 | 33 |
| | | farming of | | | | farmwomen | | | | | | | | | |
| | | rainbow | | | | | | | | | | | | | |
| | | backyard poultry | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Home | Food Processing | Processing and | 09.09.16 | 1 day | Dorikial | Farmers and | - | 12 | 12 | - | 13 | 13 | - | 25 | 25 |
| Science | | preservation of | | | | farmwomen | | | | | | | | | |
| | | fruits and | | | | | | | | | | | | | |
| | | vegetables | | | | | | | | | | | | | |
| | Income | Establishment of | 21.09.16 | 1 day | Charingia | Farmers and | - | 20 | 20 | - | 5 | 5 | - | 25 | 25 |
| | generation | farm crash | | | | farmwomen | | | | | | | | | |
| | activity | | | | | | | | | | | | | | |

Page | 72 | Annual Progress Report, KVK, Jorhat, 2016-17

| Entrepreneurship | Entrepreneurship | 23.11.16 | 1 day | Chalihagaon | Farmers and | - | 12 | 12 | - | 5 | 5 | - | 17 | 17 |
|------------------|------------------|----------|-------|-------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|------|
| development | development for | | | | farmwomen | | | | | | | | | |
| | farm women | | | | | | | | | | | | | |
| Food Processing | Processing and | 25.03.17 | 1 day | Charaibahi | Rural youth | - | 12 | 12 | - | 13 | 13 | - | 25 | 25 |
| | preservation of | | | | | | | | | | | | | |
| | fruits and | | | | | | | | | | | | | |
| | vegetables | | | | | | | | | | | | | |
| 44 | | | | | | 453 | 427 | 880 | 215 | 152 | 365 | 699 | 548 | 1247 |

(D) Vocational training programmes for Rural Youth

| Crop / | Date | Duratio | Area of | Training | | | N | o. of | Part | icipa | nts | | | Impact of | training in | terms of Se | f | Whether |
|-------------------------------|--|---------|--|--|--------|-------|--------|-------|------|-------|--------|------|----|---|------------------------|---|---|---|
| Enterprise | (From – To) | n (days | training | title* | G | ¦ener | al | | SC/S | Γ | | Tota | 1 | employme | nt after tra | aining | | Sponsore d by external funding agencies (Please Specify with amount of fund in Rs.) |
| | | | | | M | F | T | M | F | T | Μ | F | T | Type of enterpris e ventured into | Numbe r of units | Number of persons employe d | Avg. Annual income in Rs. generate d through the enterpris e | |
| Soil Health Managemen t | 13 th March- 17 th | 5 days | Soil Health Managemen t and soil | Vocational training on Soil Health | 2 1 | 3 | 2 4 | 1 | 1 | 2 | 2 2 | 4 | 26 | - | | | - | - |

Page | 73 | Annual Progress Report, KVK, Jorhat, 2016-17

| | March, | | testing | Managemen | | | | | | | | | | | | | | |
|------------|------------------|---------|------------|--------------|---|---|---|---|---|---|---|---|----|---|---|---|---|---|
| | 2017 | | | t and soil | | | | | | | | | | | | | | |
| | | | | testing | | | | | | | | | | | | | | |
| Carpet | 14 th | 7 days | Income | Vocational | - | 2 | 2 | - | 1 | 1 | - | 3 | 38 | - | - | - | - | - |
| making | Dec- | | generation | training on | | 5 | 5 | | 3 | 3 | | 8 | | | | | | |
| | 21 st | | activity | Carpet | | | | | | | | | | | | | | |
| | Dec., | | | making | | | | | | | | | | | | | | |
| | 2016 | | | | | | | | | | | | | | | | | |
| Commercial | 14 th | 7 days | Income | Vocational | - | 7 | 7 | - | 4 | 4 | - | 1 | 11 | - | - | - | - | - |
| weaving | March- | | generation | training on | | | | | | | | 1 | | | | | | |
| | 22 nd | | activity | Commercial | | | | | | | | | | | | | | |
| | March, | | | weaving | | | | | | | | | | | | | | |
| | 2017 | | | | | | | | | | | | | | | | | |
| IFS | 19 th | 10 days | Higher | Livestock | 1 | - | 1 | 9 | - | 9 | 1 | 9 | 25 | - | - | - | - | - |
| | Januar | | income | based IFS | 6 | | 6 | | | | 6 | | | | | | | |
| | y to | | generation | for | | | | | | | | | | | | | | |
| | 28^{th} | | from | enhancing | | | | | | | | | | | | | | |
| | januar | | existing | resource | | | | | | | | | | | | | | |
| | у | | farm | using | | | | | | | | | | | | | | |
| | | | | efficacy and | | | | | | | | | | | | | | |
| | | | | livelihood | | | | | | | | | | | | | | |
| | | | | security. | | | | | | | | | | | | | | |
| Total (4) | | | | | 3 | 3 | 7 | 1 | 1 | 2 | 3 | 6 | 10 | - | - | - | - | - |
| | | | | | 7 | 5 | 2 | 0 | 8 | 8 | 8 | 2 | 0 | | | | | |

*training title should specify the major technology /skill transferred

| | | | | | | | | | N | lo. of | Parti | cipan | ts | | | | Amo |
|----------------------------|---|--------------------------------------|--------------------|---------------------|---------------------|--|---|-------|----|--------|-------|-------|----|-------|----|------------------------------|--|
| On/ Off/ Vocational | Beneficiary group (F/ FW/ RY/ EP) | Date (From- To) | Duration (days) | Discipline | Area of training | Title | (| Gener | al | : | SC/SI | Г | | Total | l | Spons oring Agenc y | unt of fund recei ved (Rs.) |
| | | | | | | | Μ | F | Т | Μ | F | Т | Μ | F | Т | | |
| On campus (KVK, Jorhat) | RY (School drop out) | 12th Oct 15th Oct., 2016 | 4 days | Plant Protection | Bee keeping | Bee keeping – a venture for self employment | - | - | - | 8 | 9 | 17 | - | 17 | 17 | I- CAR D NGO | Nil |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Total | 1 | - | - | - | - | - | - | - | - | 8 | 9 | 17 | - | 17 | 17 | - | - |

Annexure 3: Only Sponsored Training Programmes (On, Off and Vocational) :

| Sl. No. | Extension Activity | Topic | Date and | No. of | | | | | Pa | articipa | nts | | | | | |
|---------|--------------------|-------|----------|------------|-----|--------|-----|-----|-------|----------|-----|-------|-----|-----|--------|------|
| | | | duration | activities | • | Genera | al | | SC/S7 | ſ | Ext | tensi | ion | Gr | and To | otal |
| | | | | | | (1) | | | (2) | | Of | ficia | als | | (1+2) | |
| | | | | | | | | | | | | (3) | | | | |
| | | | | | Μ | F | Т | Μ | F | Т | Μ | F | Т | Μ | F | Т |
| 1. | Advisory services | | | 250 | 85 | 20 | 105 | 504 | 55 | 559 | 6 | - | 6 | 595 | 75 | 670 |
| 2. | Diagnostic visit | | 17.05.16 | 26 | 140 | 14 | 154 | 75 | 5 | 80 | - | - | - | 215 | 19 | 234 |
| | | | 26.05.16 | | | | | | | | | | | | | |
| | | | 02.06.16 | | | | | | | | | | | | | |
| | | | 15.06.16 | | | | | | | | | | | | | |
| | | | 27.06.16 | | | | | | | | | | | | | |
| | | | 08.07.16 | | | | | | | | | | | | | |
| | | | 12.08.16 | | | | | | | | | | | | | |
| | | | 23.08.16 | | | | | | | | | | | | | |
| | | | 01.09.16 | | | | | | | | | | | | | |
| | | | 05.09.16 | | | | | | | | | | | | | |
| | | | 06.09.16 | | | | | | | | | | | | | |
| | | | 22.09.16 | | | | | | | | | | | | | |
| | | | 26.09.16 | | | | | | | | | | | | | |
| | | | 15.11.16 | | | | | | | | | | | | | |
| | | | 25.11.16 | | | | | | | | | | | | | |
| | | | 03.12.16 | | | | | | | | | | | | | |
| | | | 07.12.16 | | | | | | | | | | | | | |
| | | | 20.12.16 | | | | | | | | | | | | | |
| | | | 03.01.17 | | | | | | | | | | | | | |
| | | | 17.01.17 | | | | | | | | | | | | | |
| | | | 18.01.17 | | | | | | | | | | | | | |
| | | | 21.01.17 | | | | | | | | | | | | | |
| | | | 06 02 17 | | | | | | 1 | | | | | | | |

3.4. Extension Activities (including activities of FLD programmes) (Please mention specific Extension Activity conducted by the KVK such as Field Day, Kisan Mela, Exhibition, Diagnostic Visit, etc) during 2016-17

| 3. | Field day | 25.11.16 | 7 | 275 | 89 | 364 | 68 | 23 | 91 | - | - | - | 343 | 112 | 455 |
|-----|-----------------------------|----------|-----|-----|----|-----|-----|----|-----|---|---|---|-----|-----|-----|
| | | 17.01.17 | | | | | | | | | | | | | |
| | | 18.01.17 | | | | | | | | | | | | | |
| | | 18.01.17 | | | | | | | | | | | | | |
| | | 06.03.17 | | | | | | | | | | | | | |
| | | 24.03.17 | | | | | | | | | | | | | |
| | | 25.03.17 | | | | | | | | | | | | | |
| 4. | Group Discussion | | 15 | 102 | 34 | 136 | 77 | 12 | 89 | - | - | - | 179 | 46 | 225 |
| 5. | Kishan Gosthi | | - | | | | | | | | | | | | |
| | Kishan Mela | | 7 | | | | | | | | | | | | |
| 6. | Film show | | 5 | | | | | | | | | | | | 335 |
| 7. | SHG formation | | 3 | - | 24 | 24 | - | 12 | 12 | - | - | - | - | 36 | 36 |
| 8. | Exhibition | 29.05.16 | 11 | | | | | | | | | | | | - |
| | | 01.10.16 | | | | | | | | | | | | | |
| | | То | | | | | | | | | | | | | |
| | | 04.10.16 | | | | | | | | | | | | | |
| | | 05.12.16 | | | | | | | | | | | | | |
| | | 23.12.16 | | | | | | | | | | | | | |
| | | to | | | | | | | | | | | | | |
| | | 30.12.16 | | | | | | | | | | | | | |
| | | 08.02.17 | | | | | | | | | | | | | |
| | | to | | | | | | | | | | | | | |
| | | 12.02.17 | | | | | | | | | | | | | |
| | | 23.02.17 | | | | | | | | | | | | | |
| | | to | | | | | | | | | | | | | |
| | | 25.02.17 | | | | | | | | | | | | | |
| 9. | Scientists visit to farmers | | 161 | | | | | | | | | | | | 170 |
| | fields | | | | | | | | | | | | | | |
| 10. | Plant/ Animal Health camp | 10.09.16 | 3 | | | | | | | | | | | | 150 |
| | | 12.09.16 | | | | | | | | | | | | | |
| | | 25.09.16 | | | | | | | | | | | | | |
| 11. | Farm science club | | | | | | | | | | | | | | - |
| 12. | Ex-trainee Sammelan | | 1 | | | | | | | | | | | | 38 |
| 13. | Farmers seminar/ workshop | | - | | | | | | | | | | | | - |
| 14. | Method demonstration | | 25 | 226 | 67 | 293 | 241 | 71 | 312 | - | - | - | 467 | 138 | 605 |

Page | 77 | Annual Progress Report, KVK, Jorhat, 2016-17

| 15. | Celebration of important days | 4 | 223 | 145 | 368 | 100 | 57 | 157 | - | - | - | 323 | 202 | 525 |
|-----|-------------------------------|-----|------|-----|------|------|-----|------|---|---|---|------|-----|------|
| 16. | Exposure visits | 4 | 55 | 12 | 67 | 30 | 6 | 36 | - | - | - | 85 | 18 | 103 |
| 17. | Electronic media (CD/DVD) | 1 | | | | | | | | | | | | |
| 18. | Extension literature | 20 | | | | | | | | | | | | |
| 19. | Newspaper coverage | 4 | | | | | | | | | | | | |
| 20. | Popular articles | 3 | | | | | | | | | | | | |
| 21. | Radio talk | 17 | | | | | | | | | | | | |
| 22. | TV talk | 1 | | | | | | | | | | | | |
| 23. | Training manual | 2 | | | | | | | | | | | | |
| 24. | Soil health camp | 1 | 917 | 23 | 940 | 546 | 14 | 560 | - | - | - | 1463 | 37 | 1500 |
| 25. | Awareness camp | 10 | 445 | 75 | 520 | 300 | 30 | 330 | - | - | - | 745 | 105 | 850 |
| 26. | Lecture delivered as resource | 5 | | | | | | | | | | | | |
| | person | | | | | | | | | | | | | |
| 27. | PRA | 3 | 100 | 20 | 120 | 15 | 5 | 20 | - | - | - | 115 | 25 | 140 |
| 28. | Farmer-Scientist interaction | 8 | 300 | 34 | 334 | 200 | 10 | 210 | - | - | - | 500 | 34 | 544 |
| 29. | Soil test campaign | 2 | 23 | 12 | 35 | 20 | 7 | 27 | - | - | - | 43 | 19 | 62 |
| 30. | Mahila Mandal Convener | | | | | | | | | | | | | |
| | meet | | | | | | | | | | | | | |
| 31. | Any other (Please specify) | | | | | | | | | | | | | |
| | Grand Total | 599 | 2891 | 569 | 3460 | 2176 | 307 | 2483 | 6 | 0 | 6 | 5073 | 866 | 6642 |

3.5 Production and supply of Technological products during 2016-17

A. SEED MATERIALS

| Major group/class | Сгор | Variety | Quantity (qt) | Value (Rs.) | Numbe ber | r of recipio eficiaries | ent/ |
|-------------------|------------|--------------|---------------|-------------|--------------|----------------------------|-------|
| | | | | | General | SC/ST | Total |
| CEREALS | Sali paddy | Ranjit (FS) | 12.36 | 40788.00 | 4 | 1 | 5 |
| | | Bahadur (FS) | 11.20 | 36960.00 | - | - | - |
| | | Mashuri (FS) | 8.85 | 29205.00 | 5 | 2 | 7 |
| | | TTB 404 | 1.73 | 5709.00 | 2 | - | 2 |
| | | Gitesh (FS) | 3.01 | 9933.00 | 3 | - | 3 |
| | | Swarna Sub-1 | 1.75 | 5775.00 | - | - | - |

Page | 78 | Annual Progress Report, KVK, Jorhat, 2016-17

| | | Black Rice | 1.80 | 10800.00 | 21 | 5 | 26 |
|--------|--------|-------------------|------|----------|----|---|----|
| PULSES | Pulses | White Rajmah | 8 kg | 4000.00 | 2 | - | 2 |
| | | White French Bean | 1 kg | 500.00 | 2 | - | 2 |

A1. SUMMARY of Production and supply of Seed Materials during 2016-17

| Sl. No. | Major group/class | Quantity (ton.) | Value (Rs.) | Num | ber of recipient/ benefic | iaries |
|---------|-------------------|-----------------|-------------|---------|---------------------------|--------|
| | | | | General | SC/ST | Total |
| 1 | CEREALS | 40.70 | 139170.00 | 35 | 8 | 43 |
| 3 | PULSES | 9 kg | 4500.00 | 4 | - | 4 |
| 5 | FLOWER CROPS | 0.5 kg seed | 1500.00 | 3 | 1 | 4 |
| | | 100 nos. sucker | 500.00 | | | |
| | | 50 corms | 250.00 | | | |
| | TOTAL | | 145920.00 | 42 | 9 | 51 |

B. Production of Planting Materials (Nos. in lakh)

| Major group/class | Сгор | Variety | Numbers (In | Value | Numb | per of rec | ipient |
|----------------------|-------------------------------|--------------------------------|-----------------|----------------|---------|------------|--------|
| | | | Lakh) | (Rs.) | be | eneficiari | es |
| | | | | | General | SC/ST | Total |
| Fruits | Pineapple | Kew | 500 No | 2500.00 | 4 | - | 4 |
| | Guava | Lucknow-49, Allahabad Safeda | 50 | 2500.00 | 6 | 1 | 7 |
| | Litchi | Bedena, seedless, Rose Scented | 30 | 3000.00 | - | - | - |
| Spice | Turmeric | Megha Turmeric | 400kg | 12000.00 | 3 | - | 3 |
| Flowers | Marigold | Pusa Narangi | 0.5 kg seed | 1500.00 | 1 | - | 1 |
| | Gerbera | Red-gem | 100 nos. sucker | 500.00 | 3 | - | 3 |
| | Gladiolus | Novalux, Sunniboy | 50corms | 250.00 | 1 | - | 1 |
| Plantation crops | | | | | | | |
| Sugarcane | Nambor, Doria, Borak, Dishang | | 15 Q | | 4 | - | 4 |
| Forage Crop | Congo Signal | | 10000 No | | 5 | - | 5 |
| | Setaria | | 10000 No | | | | |
| | Hybrid Napier | | 5000 No | | | | |
| OTHERS (Pl. Specify) | | | | | | | |
| Total | | | | 22250.00 | | | |

| Sl. No. | Major group/class | Numbers (In Lakh) | Value (Rs.) | Number of recipient beneficiaries | | |
|---------|--------------------|-------------------|-------------|-----------------------------------|-------|-------|
| | | | | General | SC/ST | Total |
| 1 | Fruits | 15 kg | 900.00 | 1 | - | 1 |
| | Thailand Apple ber | | | | | |
| 2 | Spices | 0.47 Q | 1410.00 | 3 | - | 3 |
| 8 | OTHERS (Specify) | | | | | |
| TOTAL | | | 2310.00 | | | |

B1. SUMMARY of Production and supply of Planting Materials (In Lakh) during 2016-17

C. Production of Bio-Products during 2016-17

| Major group/class | Product Name | Species | Quantity | | Value (Rs.) | Value (Rs.) Number of Recipie | | cipient /beneficiaries | |
|-------------------|--------------|---------|----------|--------|-------------|-------------------------------|-------|------------------------|--|
| | | | No | (qt) | | General | SC/ST | Total | |
| BIOAGENTS | | | | | | | | | |
| Vermi worm | | | - | 0.283 | 56600.00 | 2 | 3 | 5 | |
| BIOFERTILIZERS | | | - | | | | | | |
| Vermicompost | | | - | 108.53 | - | 2 | 2 | 4 | |
| Azolla | | | - | 9 | - | - | - | - | |
| BIO PESTICIDES | | | | | | | | | |

C1. SUMMARY of production of bio-products during 2016-17

| | | | Quantity | | | Number of RecipientValue (Rs.)beneficiaries | | Total number |
|---------|-----------------|-------------------------|----------|---------|-------------|---|-------|---------------|
| Sl. No. | Product Name | Species | | | Value (Rs.) | | | of Recipient |
| | | | Nos | (kg) | | General | SC/ST | beneficiaries |
| 1 | BIOAGENTS | E. foetida | - | 0.283 | 56600.00 | 2 | 3 | 5 |
| | BIO FERTILIZERS | Vermicompost (E. | - | 117.53 | - | 2 | 2 | 4 |
| 2 | | foetida) | | | | | | |
| | | Azolla (A. caroliniana) | | | | | | |
| 3 | BIO PESTICIDE | | | | | | | |
| | TOTAL | | | 117.813 | 56600.00 | 4 | 5 | 9 |

D. Production of livestock during 2016-17

| Sl. | Sl. Type of livestock | | Breed | Quar | ntity | Value (Rs.) | Number of Recipient | | |
|-----|-----------------------|---------|--------------------------------------|-------|---------|-------------|---------------------|---------------|-------|
| No. | | | | | | | ł | peneficiaries | 5 |
| | | | | (Nos) | Kgs | | General | SC/ST | Total |
| А. | Cattle/ Dairy | | H F | 02 | - | 600000 | - | - | - |
| | | Milk | | - | 4844.11 | 222829 | 350 | 150 | 500 |
| В. | Goat | | Betel | 05 | - | 15000 | 1 | - | 1 |
| | Goat Ser | vicing | | 48 | - | 2400 | 40 | 7 | 47 |
| C. | Piggery | Pig | Hampshire | 3 | - | 27000 | - | 3 | 3 |
| | I | Piglets | | 23 | | 64000 | 10 | 6 | 16 |
| D. | Poultry | Birds | Broiler | - | 835.43 | 87720 | 10 | 2 | 12 |
| | | | BV 300 | 8 | - | 1600 | 1 | - | 1 |
| | | | Turkey | 3 | - | 3820 | 12 | 1 | 13 |
| | | | Japanese Quail | 105 | - | 10500 | 45 | 5 | 50 |
| | (| Chicks | Turkey | 74 | - | 11420 | 25 | 2 | 27 |
| | | | Kalinga Brown | 273 | - | 35510 | 29 | 2 | 33 |
| | | | Rainbow | 62 | - | 4960 | 8 | 2 | 10 |
| | Tab | le egg | Vanraja | 11 | - | 66 | 1 | - | 1 |
| | | | BV 300 | 771 | - | 3855 | 45 | 5 | 50 |
| | | | Kalinga Brown | 1952 | - | 13590 | 133 | 18 | 151 |
| | | | White Leg Horn | 316 | - | 2528 | 24 | 3 | 27 |
| | | | Turkey | 22 | - | 176 | 2 | - | 2 |
| | | | Japanese Quail | 1502 | - | 4506 | 38 | 12 | 50 |
| | Hatchir | ng egg | Vanraja | 45 | - | 675 | 1 | - | 1 |
| | | | White Leg Horn | 105 | - | 1590 | 10 | 2 | 12 |
| | | | Turkey | 104 | - | 3120 | 13 | 2 | 15 |
| | | | Kalinga Brown | 464 | - | 6960 | 45 | 7 | 52 |
| E. | Fisheries | Big | Rahu, Katla, Silver Carp, Grass Carp | - | 103.5 | 20700 | 30 | 5 | 35 |
| | | Small | | - | 9.8 | 1176 | 4 | - | 4 |
| F. | Duckery | Duck | Vigova Super M | 1 | - | 500 | 1 | - | 1 |
| | Du | ckling | Do | 81 | - | 10830 | 20 | 5 | 25 |
| | Tab | le egg | Khaki Champbell | 1252 | - | 10016 | 30 | 12 | 42 |
| | Hatchir | ng egg | Do | 479 | - | 7185 | 40 | 20 | 65 |

Page | 81 | Annual Progress Report, KVK, Jorhat, 2016-17

D1. SUMMARY of production of livestock during 2016-17

| Sl. | Livestock category | Breed | Quar | ntity | Value | Number of | Recipient | Total number |
|-----|--------------------|---|------|---------------|----------------|-----------|-----------|---------------|
| No. | | | | | (Rs.) | benefic | iaries | of Recipient |
| | | | Nos | (kg) | | General | SC/ST | beneficiaries |
| А. | CATTLE | HF | 2 | - | 60000 | - | - | - |
| | Milk | | | 4844.11 | 222829 | 350 | 150 | 500 |
| B. | SHEEP & GOAT | Betel | 5 | - | 15000 | 1 | - | 1 |
| | Goat servicing | | 48 | - | 2400 | 40 | 7 | 47 |
| C. | POULTRY Birds | Broiler | - | 835.43 | 87720 | 10 | 2 | 12 |
| | | BV 300 | 8 | - | 1600 | 1 | - | 1 |
| | | Turkey | 3 | - | 3820 | 12 | 1 | 13 |
| | | Japanese Quail | 105 | - | 10500 | 45 | 5 | 50 |
| | Chicks | Turkey | 74 | - | 11420 | 25 | 2 | 27 |
| | | Kalinga Brown | 273 | - | 35510 | 29 | 2 | 31 |
| | | Rainbow | 62 | - | 4960 | 8 | 2 | 10 |
| | Table egg | Vanraja | 11 | - | 66 | 1 | - | 1 |
| | | BV 300 | 771 | - | 3855 | 45 | 5 | 50 |
| | | Kalinga Brown | 1952 | - | 13590 | 133 | 18 | 151 |
| | | White Leg Horn | 316 | - | 2528 | 24 | 3 | 27 |
| | | Turkey | 22 | - | 176 | 2 | - | 2 |
| | | Japanese Quail | 1502 | - | 4506 | 38 | 12 | 50 |
| | Hatching egg | Vanraja | 45 | - | 675 | 1 | - | 1 |
| | | White Leg Horn | 105 | - | 1590 | 10 | 2 | 12 |
| | | Turkey | 104 | - | 3120 | 13 | 2 | 15 |
| | | Kalinga Brown | 464 | - | 6960 | 45 | 7 | 52 |
| D. | PIGGERY Pig | Hampshire | 3 | - | 27000 | - | 3 | 3 |
| | Piglet | | 23 | - | 64000 | 10 | 6 | 16 |
| E. | FISHERIES Big | Rahu, Katla, Grass carp, Silver carp etc. | - | 103.5 | 20700 | 30 | 5 | 35 |
| | Small | | - | 9.8 | 1176 | 4 | - | 4 |
| F. | DUCKERY Duck | Vigova Super M | 1 | - | 500 | 1 | - | 1 |
| | Duckling | do | 81 | - | 10830 | 20 | 5 | 25 |
| | Table egg | Khaki Campbell | 1252 | - | 10016 | 30 | 12 | 42 |
| | Hatching egg | do | 479 | - | 7185 | 40 | 25 | 65 |
| | TOTAL | | | | 634232 | 973 | 271 | 1244 |

Page | 82 | Annual Progress Report, KVK, Jorhat, 2016-17

3.6. Literature Developed/Published (with full title, author & reference) during 2016-17

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

(B) Articles/ Literature developed/published

| Item | Title /and Name of Journal | Authors name | Number of copies |
|--|--|--|------------------|
| Research papers | | | |
| 1. | Efficacy of Pheromone traps in combination with neem based pesticides against Brinjal, shoot and fruit borer. Journal of Ecofriendly Agriculture | Mousumi Phukon, Ira Sarma and Rupam Borgohain | |
| 2. Problems and opportunities of women SHGs in Entrepreneurship development. Asian Journal of Home Science | | Binapani Deka and Rupam Borgohain | - |
| Abstract | Sustainability of Scientific Piggery Venture as a Livelihood Security Option Among the Tribal Farmers of Jorhat District, Assam, India; International Conference of Society of Extension Education | Ilakshy Deka, R. Borgohain, P.Deka and M.Neog | |
| Training manuals | Mohilar Swaniyujonor Prakhikhon Haatputhi | Binapani Deka and Rupam Borgohain | - |
| | Mati Pariksha aru Matir Swasthor Byobosthapona | Sanjib Ranjan Borah, Rupjyoti Borah, Sameeron Bhattacharjya, Dr. Rupam Borgohain, | 30 |
| Instruction Manual | Instruction Manual for SHC Generator –Soil Health Card Designing Software | Mr. Rupjyoti Chutia, Programme Asstt. (Computer), KVK, Jorhat Mr. Bikram Borthakur, Programme Asstt. (Computer), KVK, Karbi Anglong Mr. Santanu Saikia, Programme Asstt. (Computer), KVK, Lakhimpur | |
| Technical Report | | | |
| 1. | Annual Progress Report | | |
| 2. | Annual Action Plan | | |
| Book/ Book Chapter | Dhanor onistakari Kit patonga totha rogar chinaktakaron aru pratikaar | Mousumi Phukon and Rupam Borgohain | 40 |
| | Sishur bridhi aru bikashor mailor khuti samooh | Binapani Deka and Rupam Borgohain | 50 |
| Popular articles | Baboxayek bittit Hah palon; Ghare Pathare (Commercial duck farming) | Ilakshy Deka, Biraj Bikash Sarma | |
| | Baboxayek bittit broiler kukura palon; Ghare Pathare (Commercial broiler farming) | Ilakshy Deka, Biraj Bikash Sarma | |
| | Baboxayek bittit konir babe kukura palon: Ghare Pathare (Commercial Layer farming) | Ilakshy Deka, Biraj Bikash Sarma | |
| Technical bulletins | | | |
| Extension bulletins | Sashya Khetrat Pheromone trapor bybahar | Mousumi Phukon and Rupam Borgohain | 50 |

Page | 83 | Annual Progress Report, KVK, Jorhat, 2016-17

| Maati mahor keet patonga niontran aru mulya songjojan | Mousumi Phukon, Binapani Deka, Rupam Borgohain | 50 |
|--|---|-----|
| Sishur bridhi aru bikashot uddipakor prayojaniota | Binapani Deka, Rupam Borgohain, Sanjibranjan Borah, Sameeron Bhattacharyya, Mousumi Phukon, Biraj Bikash Sarmah, Illakhi Deka, Rupjyoti Chutia | 50 |
| Bandhoni padhatire kaporot rong kora pranali | Binapani Deka, Rupam Borgohain, Sanjibranjan Borah, Sameeron Bhattacharyya, Mousumi Phukon, Biraj Bikash Sarmah, Illakhi Deka, Rupjyoti Chutia | 50 |
| Paromparagato pitha- panat pustikor upadan songjojan | Binapani Deka, Rupam Borgohain | 50 |
| Sishur bridhi aru bikashor babe Sushom khadyar prayojaniota (4 – 6 years) | Binapani Deka, Rupam Borgohain | 50 |
| Sishur bridhi aru bikashor babe Sushom khadyar prayojaniota (10- 12 years) | Binapani Deka, Rupam Borgohain | 50 |
| Prakritik rong r Utsho samuh aru iar bybahar | Binapani Deka, Rupam Borgohain | 50 |
| Mati Porikshar Proujoniota aru Matir Nomuna Sangrahor | Mr. Sanjib Ranjan Borah, Mr. Sameeron | 300 |
| Poddhoti | Bhattacharjya, Dr. Rupam Borgohain, | |
| Samoniyoto Udbhid Moulo Byobosthapona | Mr. Sanjib Ranjan Borah, Mr. Sameeron Bhattacharjya, Dr. Rupam Borgohain, | 300 |
| Kesu Saror Prastut Pronali | Mr. Sanjib Ranjan Borah, Mr. Sameeron Bhattacharjya, Dr. Rupam Borgohain, | 300 |
| Kom Khorosi Poddhotirae Azollar Utpadon | Mr. Sanjib Ranjan Borah, Mr. Sameeron Bhattacharjya, Dr. Rupam Borgohain, | 300 |
| Soriahor Adhunik Krishi Poddhoti | Mr. Sameeron Bhattacharjya, Mr. Sanjib Ranjan Borah, Dr. Rupam Borgohain, | 300 |
| Matimahor Unnoto Krishi Poddhoti | Mr. Sameeron Bhattacharjya, Mr. Sanjib Ranjan Borah, Dr. Rupam Borgohain, | 300 |
| Mogumahor Unnoto Krishi Poddhoti | Mr. Sameeron Bhattacharjya, Mr. Sanjib Ranjan Borah, Dr. Rupam Borgohain, | 300 |
| Khesarimahor Unnoto Krishi Poddhoti | Mr. Sameeron Bhattacharjya, Mr. Sanjib Ranjan Borah, Dr. Rupam Borgohain, | 300 |
| Motormahor Unnoto Krishi Poddhoti | Mr. Sameeron Bhattacharjya, Mr. Sanjib Ranjan | 300 |

Page | 84 | Annual Progress Report, KVK, Jorhat, 2016-17

| | | Borah, Dr. Rupam Borgohain | |
|------------------|--|---|-----|
| | Oukhodhi Gun Sampanna Sal Kuworir Krishi Paddhati | Mr. Sameeron Bhattacharjya, Ms. Binapani Deka, | 300 |
| | | Mr. Sanjib Ranjan Borah, Dr. Rupam Borgohain, | |
| | Bigyan honmoto turkey palon | Ilakshy Deka, R. Borgohain, S.R.Borah, | 100 |
| | (Scientific rearing of turkey) | M.Phukan, S.Bhattacharyya, B. Deka, R.Chutia | |
| | Bigyan honmoto Broiler hah (Vigova super M) palon | Ilakshy Deka, R. Borgohain, Biraj Bikash Sarma, | 100 |
| | [Scientific rearing of Broiler duck (Vigova Super M) | S.R.Borah, M.Phukan, S.Bhattacharyya, B. Deka, | |
| | | R.Chutia | |
| Nowglotton | | | |
| Conference/ | - | - | - |
| Conference/ | - | - | - |
| workshop | | | |
| proceedings | | | |
| Leaflets/folders | - | - | - |
| e-publications | SHC Generator –Soil Health Card Designing Software | Mr. Bikram Borthakur, Programme Asstt. | |
| | | (Computer), KVK, Karbi Anglong | |
| | | Mr. Rupjyoti Chutia, Programme Asstt. | |
| | | (Computer), KVK, Jorhat | |
| | | Mr. Santanu Saikia, Programme Asstt. | |
| | | (Computer), KVK, Lakhimpur | |
| TOTAL | - | - | - |

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

(C) Details of Electronic Media Produced

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

3.7. Success stories on horizontal spread of the technologies/Case studies, if any (two or three pages write-up on each case/ successes with suitable action photographs)

Integrated Farming System opens a new window for economic empowerment of rural Farmers in Boloma area (2016-17)

Background and Problem:

Sri Phoni Bora is the eldest son of Late Sunaram Bora, Burakuri Gaon, Boloma, Teok of Jorhat district. He has passed High School Leaving Certificate during the year 1974 with 58 percent marks and taken admission into Pre Degree (Science) in J. B. College, Jorhat. He has successfully completed Pre Degree (Science) in the year 1976 but could not proceed for higher studies due to very poor financial status of his father. He therefore, strongly decided to be self employed by taking farming as a means of

Page | 85 | Annual Progress Report, KVK, Jorhat, 2016-17

livelihood and help his brothers & sister to continue their higher studies. Initially he has started vegetable farming by taking advantage of his high land situation and winter paddy in the low lands. He has expanded his farming into other sectors like fishery, dairy, piggery in an integrated farming mode.

At present Sri Bora is cultivating summer & winter vegetables, winter paddy and other cash crops like sugarcane, banana, coconut, arecanut, betel vine, black pepper & indigenous fruit crops. He is very successful in three tier faming system i. e. poultry, piggery & fishery. He is also producing vegetable seedlings of HYV & hybrids in polyhouse at large scale and selling to the local vegetable growers and neighboring villages. He is marketing his farm produces in the nearby daily & weekly markets by engaging local unemployed youth of his village. Sri Phoni Bora is one of the successful farmer in Integrated Farming System (IFS) in Teok Area and more than 40 educated unemployed youth of the locality are following him and adopting Integrated Farming System by utilizing the available resources for their livelihood security.

One of the important innovations of Sri Phoni Bora is the development of raised & sunken bed system in medium land for vegetable cultivation where vegetables cannot be grown in normal situation. By adopting this technique, he has bought another 0.50 ha under vegetable cultivation during rainy season. **KVKs intervention:**

From the interest and feedback received from farmers of the Boloma area, Krishi Vigyan Kendra, Jorhat has planned to introduce new high value vegetable crops in the area and accordingly trainings was organized for the farmers of the locality. After taking the training from KVK, Jorhat on scientific production technology, Sri Borah and the other farmers of the area has initially started cultivating new crops like Broccoli in the area. They have harvested a bumper crop in the first year itself and due to high demand of this vegetable in the Jorhat & Mariani market, they have received a premium price and were very happy. At present Boloma area is one of the major vegetable producing areas of the district and Sri Phoni Bora is the torch bearer and ideal farmer of the locality.

KVK, Jorhat also helped the farmers to introduce new improved breeds of cattle, piggery and poultry for integrating with crop components. KVK provided all kinds of technological interventions and necessary skill up-gradation trainings to the farmers of the area. **Productivity:**

Sri Phoni Bora, among the farmers of Boloma area has emerged as most successful farmer in implementing the Integrated Farming System. During the year 2015-16 Sri Phoni Bora has cultivated summer & winter vegetables in an area of 1.50 hectare and earned Rs. 5, 66,000.00 from sale of vegetables, Rs 54,000.00 from Sale of fishes, Rs 69,000.00 from sale of Pig & piglet, Rs. 1,12,800.00 from sale of milk, 14,000.00 from sale of egg and Rs 19,200.00 from sale of fruits. In addition to his self employment, Sri Bora is also providing full time appointment to 6 unemployed youth of his village in his farm and 2 workers for marketing his farm produce with his own conveyance.



The pig breeding unit of Sri Bora is producing high quality piglets of Hampshire breed and serving as a source of good quality piglet in the locality. He has developed a traditional *bari* with an area of 0.80 ha which includes various indigenous fruits viz., Ponial (*Flacourtia gangomos*), *Dilienia indica*, Naga tenga (*Rhus semialata*), various types of Jamun, Ber, Citrus, Carrabolla, Jack fruit, Tamarind, Aonla, Olive, Plum, Peach, Custard apple and medicinal plants viz., Alovera, Sarpagondha, Pachauli, *Paederia foetida, Murraya koenigii*, Cinnamon, Bay leaf etc. His typical *bari* represents the image of biodiversity conservation. Apart from his involvement in farming activities he is also associated as an active member in different social organizations for the welfare of the farming community.

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

Non availability of quality fish seed is a major bottle neck in fish farming particularly in upper Assam. Due to non availability of right seed at right time the farmer can not take the full period growth advantage of fish farming (March to October). To do so, a programme on production of carried over seed was undertaken so that farmers rear the previous years fish seed (Carried over) when temperature become congenial for fish farming. Some of the farmers can also take this method of fish seed production as a business venture in the locality.

| S. | Crop / | ITK Practiced | Purpose of ITK |
|-----|------------|--|--|
| No. | Enterprise | | |
| 1 | Duckery | Use of Bhatghila [Oroxylum indicum (L) Vent.] bark extract. The rural people use the bark, | Treatment for lameness problem (suspected parosis) |
| | | make paste and provided to the local ducks when observe symptom of lameness. The | in duck |
| | | symptom of lameness resembles parosis condition of duck. They believe that bhatghila bark | |
| | | can control this problem of duck. This believe if standardized can be converted to | |
| | | technology for controlling duck's deficient in magnesium and iron. This is the first reporting | |
| | | ITK on duck by bhatghila bark. | |
| 2 | Rice | Application of leaves of 'Bihlongini' (Polygonum hydropiper) or 'Bihdhekia' | Management of rice stem borer |
| | | (Sphaerostiphnos unitus) in the standing crop | |
| 3 | Rice | 'Posotia' leaves are dried, grinded and dusted in the rice field | Management of rice hispa |
| 4 | Rice | Application of Chopped Kola kachu (Colocasia esculanta Black) and fresh cowdung | Management of case worm problem of rice |
| 5 | Rice | Keeping the stubbles of <i>Boro</i> rice undisturbed avoiding ploughing and grazing by the cattle | с |
| | | for 1 - 1 ¹ / ₂ months. The practices is usually practised in traditional varieties grown in low | |
| | | lying (beel) areas | |
| 6 | Rice | Grains for seed purpose are stored in 'koloh or earthen pitcher with a lid made of earth | The stored grain pests cannot enter the structure, |
| | | | thereby savings the seeds. The earthen pot also saves |
| | | | the grains from outside moisture |
| 7 | Banana | Spraying solution of "Samsolokha"/germani bon (Chromolena odorata) leaves along with | To control banana weevil |
| | | detergent soap in banana plant | |
| 8 | Banana | The juice of gundhowa bon, (Ageratum conizoides) is sprayed on banana plant | To get rid of leaf and fruit scarring beetle of banana |

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

Page | 87 | Annual Progress Report, KVK, Jorhat, 2016-17

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

- Identification of courses for farmers/farm women
- Rural Youth
- Extension personnel

3.11 Field activities

- i. Number of villages adopted : 7
- ii. No. of farm families selected : 1530
- iii. No. of survey/PRA conducted : 3

3.12. Activities of Soil and Water Testing

Status of establishment of Lab

: No STL (1 no. mini Soil Testing, Mridaparikshak)

1. Year of establishment

2. List of equipments purchased with amount

| Sl. No | | Qty. | Cost | | |
|--------|--|----------------|----------------|---|----------|
| | S&WT lab Mini lab/ Mridaparikshak Manufacturer | | | | |
| 1 | - | Mridaparikshak | Nagarjuna Agro | 1 | 72000.00 |
| | Chemical Pvt. Limited | | | | |
| Total | | Mridaparikshak | | 1 | 72000.00 |

3. Details of samples analyzed (2016-17) :

| Details | No. of Samples analysed | No. of Farmers | No. of Villages | Amount (In Rupees) realized |
|-----------------|-------------------------|----------------|-----------------|-----------------------------|
| Soil Samples | 1313 | 1313 | 27 | - |
| Water Samples | - | - | - | - |
| Plant Samples | - | - | - | - |
| Petiole Samples | - | - | - | - |
| Total | 1313 | 1313 | 27 | - |

3. Details of Soil Health Cards (SHCs) (2016-17)

- a. No. of SHCs prepared: 1313
- b. No. of farmers to whom SHCs were distributed: 1313
- c. Name of the Major and Minor nutrients analysed: N, P, K, S, pH, OC, EC, Fe, Zn, B.
- d. No. of villages covered : 27
- e. Soil health card based nutrient management in different crops (pl. submit in brief in separate page) : Nil

: Nil

: Nil

Page | 88 | Annual Progress Report, KVK, Jorhat, 2016-17

3.13. Details of SMS/ Voice Calls sent on various priority areas

| Message type | Cr | ор | Livest | ock | Weat | her | Marke | eting | Aware | ness | Other] | Ent. | Tota | al |
|----------------|---------|----------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|--------|
| | No. of | No. of | No. of | No. | No. of | No. of |
| | Message | Ben | Message | of | Message | Benef | Message | Benefi | Message | Benef | Message | Benef | Message | Benefi |
| | | eficiary | | Benef | | iciary | | ciary | | iciary | | iciary | | ciary |
| | | | | iciary | | | | | | | | | | |
| Text only | 24 | 23600 | 7 | 6700 | - | - | - | - | 8 | 8230 | 4 | 4005 | 43 | 42535 |
| Voice only | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Voice and Text | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| both | | | | | | | | | | | | | | |
| Total | 24 | 23600 | 7 | 6700 | - | - | - | - | 8 | 8230 | 4 | 4005 | 43 | 42535 |

3.14 Contingency planning for 2016-17

a. Crop based Contingency planning

| Contingency (Drought/ Flood/ Cyclone/ Any other | Proposed Measure | Proposed Area (In ha.) to be covered | No. of beneficiaries proposed to be covered | | | |
|---|---|---|--|-------|-------|--|
| please specify) | | | General | SC/ST | Total | |
| Drought due to delay in monsoon | Introduction of new variety or crop | | | | | |
| 1. Monsoon delay by 4 weeks, i.e. 1 st week of July | Staggered planting var. viz. Prafulla, Gitesh (Quality seeds from RARS, Titabor, AAU, Jorhat), Irrigate the seedbed and nursery raising in community basis, Trainings | 50.00 | 100 | 50 | 150 | |
| 2. Monsoon delay by 6 weeks, i.e. 3 rd week of July | Manohar Sali, Andrew Sali etc. and close spacing, increase no. of seedlings per hill, irrigation, Short duration variety: Luit, Dishang, Kapili etc | 50.00 | 60 | 60 | 120 | |
| 3. Monsoon delay by 8 weeks, i.e. 1 st week of | Short duration var. Luit, Broad casting of sprouted seeds, irrigationIntroduction of Resource Conservation Technologies | 40 | 50 | 40 | 90 | |
| August | RCT like Mulching, Drip irrigation in horticultural crops like banana, Assam lemon, Awareness training | 5 | 30 | 15 | 45 | |
| | Distribution of seeds and planting materials | 3 | 25 | 25 | 50 | |
| | Distribution of seeds of short duration varieties like Luit for direct sowing of sprouted seeds | 5 | 15 | 15 | 10 | |
| | Establishment of Community nursery near assured water source for varieties like Gitesh , Prafulla, Luit, Dishang, Kanaklata etc for free distribution of seedling | 1 | 50 | 45 | 95 | |

Page | 89 | Annual Progress Report, KVK, Jorhat, 2016-17

a. Livestock based Contingency planning

| Contingency (Drought/ | Number of |] | No. of programmes to be undertaken | No. of camps to | Proposed | Number of beneficiaries pr | | s proposed |
|-----------------------|---------------|----|------------------------------------|-----------------|----------------|----------------------------|-------|------------|
| Flood/ Cyclone/ Any | birds/ | | | be organized | number of | to be covered | | |
| other please specify) | animals to be | | | | animals/ birds | | | |
| | distributed | | | | to be covered | General | SC/ST | Total |
| | | | | | through | | | |
| | | | | | camps | | | |
| Drought | - | 10 | (Awareness cum animal health camp) | 15 | 2000 | 300 | 200 | 500 |
| Flood | - | 15 | (Awareness cum animal health camp) | 15 | 2000 | 300 | 200 | 500 |

4.0. IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period only)

| Name of specific technology/skill transferred | No. of participants | % of adoption | Change in in | come (Rs.) |
|--|---------------------|---------------|-------------------|------------------|
| | | | Before (Rs./Unit) | After (Rs./Unit) |
| Rice variety KDML 105 (Padumoni) | 15 | 100 | 18750 | 31700 |
| Rice-toria double cropping with medium duration HY Sali rice | 15 | 100 | 18100 | 29150 |
| var. TTB-404 | | | | |
| Direct seeded Sali paddy var. Luit | 35 | 100 | 10000 | 12250 |
| Boro paddy variety 'Kanaklata' | 10 | 100 | 107440 | 125890 |
| Sali Paddy Var. Gitesh & Swarna sub-1 | 235 | 100 | 18750 | 31700 |
| Toria (variety : TS- 36, TS-38) | 200 | 100 | 25000 | 32000 |
| Lentil var. Moitree, KLS 218 | 10 | 100 | 11000 | 20800 |
| Sugarcane (Variety – Kalang, Borak, Dhansiri, Kapilipar & | 10 | 100 | 107440 | 125890 |
| Doria) | | | | |
| Black gram (variety-PU-31) | 100 | 100 | 11090 | 25800 |
| Green gram (variety IPM02-3) | 100 | 100 | 12000 | 27800 |
| Mushroom | 50 | 100 | 15000 | 35000 |

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)

| Activity | Methodology used for analysis | | Impact |
|----------------------------------|----------------------------------|---|--|
| Demonstration on Sali paddy (var | Observation and Group | • | After observing the excellent performance of Sali paddy, the farmers become interested to go |
| Gitesh & Swarna sub-1) | Discussion | | for large scale cultivation of that varieties in the forthcoming season |
| | | - | Farmers accepted the technology and nearby farmers adopted |
| Demonstration on toria var. TS- | Group discussion | • | Farmers of Majuli showed interest towards the technology after getting benefited |
| 36., TS-38 | | | economically through cultivation of toria. Farmers exhibited keen interest towards the toria |
| | | | var. TS- 36., TS- 38 |
| Advisory services on organic | Observation and personal contact | • | Many farmers of local area were benefited from the advisory services and have adopted the |
| management of Bhut Jalakia | | | recommended management practices |

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

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations

| Name of organizations | Nature of linkage |
|--|--|
| 1. Department of Agriculture, Govt. of Assam | In planning and organizing training programme, demonstrations, field days, farmers-Scientist |
| | interaction, CDAP preparation, resource person in training programmes. The linkage with the |
| | department of Agriculture is made effective by frequent meeting with District Agriculture |
| | Officer, Joint meeting with the Deputy Commissioner and other agencies |
| 2. Department of Animal Husbandry and veterinary, Govt. of Assam | In planning and implementing training programme and also organizing rural camp for |
| | vaccination of farm animals. |
| 3. District Rural Development Agency, Jorhat | Conducting collaborative training programmes and resource persons for DRDA training. Joint |
| | visits to the DRDA operated programmes |
| 4. Dairy Development, Jorhat, Assam | In planning and organizing training programme |
| 5. NABARD, Jorhat | Conducting exposure visit, financial assistance for creating Rural Knowledge Centre, |
| | Formation of farmers club |
| 6. North East Affected Area Development Society (NGO) | In planning and organizing training programme |
| 7. All India Radio, Jorhat | For coverage of rural programme and broadcasting of Radio-talk on Agriculture |
| 8. ICAR Research Complex for NE Hill Region, Umiam, Barapani | Source of technology and conducting exposure visit |
| 9. NRC on Pig, Rani, Kamrup | Source of technology |
| 10. R & D, TATA Tea, Teok, Jorhat | Exchange of resource person, information sharing, exposure visit |
| 11. Central Silk Board, Lahdoigarh | Knowledge sharing, source of information |
| 12. ATMA, Jorhat | Technology backstopping, conducting demonstration, field day programmes, Joint programme |

Page | 91 | Annual Progress Report, KVK, Jorhat, 2016-17

| | evaluation. |
|---|---|
| 13. Assam Seed Certification Agency | For seed certification of seed growers of the district |
| 14. Regional Agricultural Research Station, Titabor | Source of foundation and breeder seeds for all varieties of paddy. Paddy related technology |
| | transfer and advisories, joint on farm testing of pipeline varieties |

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies during 2016-17

| Name of the scheme | Activity | Date/ Month of | Funding agency | Amount (Rs.) |
|-----------------------------|---|----------------|----------------|-----------------|
| | | initiation | | |
| Technology Showcasing | To increase the production and productivity of cereal and oilseed | 2010-11 | RKVY | 29,25,740.00 |
| | crops as well as to produce quality seed in participatory mode | | | |
| High Tech Fruit Orchard cum | Planting material generation | Feb,2012 | NHB | 75,00,000.00 |
| nursery | | | | |
| Pulse Seed Hub | Production of quality pulse seed (Blackgram, Green gram, Field | May,2016 | ICAR | 1,50,00,000 (Rs |
| | pea, Lathyrus and Lentil) in participatory mode | | | 100,00,000 |
| | | | | under Revolving |
| | | | | Fund & |
| | | | | Rs.50,00,000 |
| | | | | under |
| | | | | Infrastructure |
| | | | | Development) |
| | | | | |

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

| Sl. No. | Programme | Nature of linkage | Remarks |
|---------|----------------------------------|----------------------------|---------|
| 1 | Governing Body, ATMA, Jorhat | Member | |
| 2 | Training | As Resource persons | |
| 3 | Demonstration on Pulse at Majuli | Site and farmers selection | |
| 4 | Farmers – Scientists Interaction | As Resource persons | |
| 5 | Field Day | Collaborative programme | |
| 6 | Diagnostic field visit | As specialists | |

5.4 Give details of programmes implemented under National Horticultural Mission : Nil

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

5.5 Nature of linkage with National Fisheries Development Board : Nil

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2016-17

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

| | | Year of | | | Details of production | | Amour | nt (Rs.) | |
|---------|---------------|---------|-------|----------------|-----------------------|-----------------|----------------|--------------|---------|
| SI. No. | Demo Unit | estd. | Area | Variety | Produce | Qty. | Cost of inputs | Gross income | Remarks |
| 1. | Cattle shed | 2010 | 36.45 | HF- | Milk | 4844.11 lit | 140000.00 | 222829.00 | |
| 2. | Vermicompost | 2010 | 46.80 | - | Vermicompost | 108.53 q | 20000.00 | 56600.00 | |
| | unit | | | | Vermiworm | 0.283 q | | | |
| 3. | Poultry Unit | 2011 | 44.40 | Broiler | - | 835.43 kg | | 87720.00 | |
| | | | | White Leg Horn | Hatching egg | 106 | | 1590.00 | |
| | | | | | Table egg | 316 | | 2528.00 | |
| | | | | Kalinga brown | Birds | 46 | | 13916.00 | |
| | | | | | Chicks | 273 | | 35510 | |
| | | | | | Hatching eggs | 464 | | 6960.00 | |
| | | | | | Table egg | 1952 | | 13590 | |
| | | | | Turkey | Bird | 3 | | 3820.00 | |
| | | | | | Chick | 74 | | 11420.00 | |
| | | | | | Hatching egg | 104 | 235000.00 | 3120 | |
| | | | | | Table egg | 22 | | 176 | |
| | | | | | Rainbow Chick | 62 | | 4960 | |
| | | | | Japanese quail | Birda | 226 | | 17820.00 | |
| | | | | | Dirus | (200 nos. sold) | | | |
| | | | | | Eggs | 2061 (sold) | | 4122.00 | |
| | | | | Khaki campbell | Hatching egg | 479 | | 7185.00 | |
| | | | | | Table egg | 1252 | | 10016.00 | |
| | | | | Vigova Super M | Bird | 1 no | | 500.00 | |
| | | | | | Duckling | 81 | | 10830.00 | |
| 4. | Goattery unit | 2011 | 34.20 | Beetal buck | Beetal/ Local/ Sirohi | 1 no | 30000.00 | 2600.00 | |

Page | 93 | Annual Progress Report, KVK, Jorhat, 2016-17

| | | | | | Goat servicing | 48 no | | 2400.00 | |
|-----|-----------------|------|--------|--------------------|----------------|----------|-----------|-------------|-----------|
| 5. | Piggery unit | 2010 | 41.04 | T & D, Hamshire | 15 No. | 3 | 158000.00 | 27000.00 | |
| | | | | | Piglet | 23 | | 64000.00 | |
| 6. | Fish pond | 2011 | 0.13 | Fish | Big fish | 116 kg | 6000.00 | 23216.00 | Stock for |
| | | | | | | | | | next year |
| 7. | Rice- Fish- | 2010 | 50m x | Indian Major | Small fish | 9.8 kg | 2000.00 | 1176.00 | |
| | Vegetable Unit | | 20m | Carp | | | | | |
| 8. | Azolla | 2012 | 9.9m X | Azolla caroleniana | Azolla Compost | 9 q | 1500.00 | Used in KVI | K, farm |
| | production unit | | 5.5m | | | | | | |
| 9. | Compost | 2012 | 9.6m X | - | Compost | 108.53 q | 1000.00 | 10236.00 | |
| | production Unit | | 5m | | Vermiworm | 0.283 q | | 6600.00 | 25 kg |
| | | | | | | | | | In stock |
| 10. | Mushroom | 2011 | | Oyster | Mushroom | 4 kg | 1000.00 | 400.00 | |
| | | | | | | 20 kg | | 1200.00 | 8 kg |
| | | | | | | | | | In stock |

6.2 Performance of instructional farm (Crops) including seed production

| Nama | Data of | Data of | a (| Detail | s of production | | Amo | unt (Rs.) | |
|-------------|---------|---------|------------|--------------|--------------------|-------|-------------------|--------------|----------|
| of the crop | sowing | harvest | Are (ha | Variety | Type of Produce | Qty. | Cost of inputs | Gross income | Remarks |
| Cereals | | - | | | | | ÷ | - | |
| Rice | May- | Nov-Dec | 1.7 | Ranjit | FS | 12.36 | 96500.00 | 40788.00 | 0.17 Q |
| | Jun- | 2016 | | Bahadur | FS | 11.20 | 1 | 36960.00 | In stock |
| | 2016 | | | Mashuri | FS | 8.85 | 1 | 29205.00 | 0.74 Q |
| | | | | TTB 404 | TLS | 1.73 | | 5709.00 | 0.18 Q |
| | | | | Gitesh | FS | 3.01 | 1 | 9933.00 | 0.09 Q |
| | | | | Swarna Sub-1 | FS | 1.75 | 1 | 5775.00 | In stock |
| | | | | Black Rice | TLS | 1.80 | 1 | 10800.00 | 1.69 Q |
| | | | | Total | | 40.70 | | 139170.00 | |
| Pulses | | - | | <u>.</u> | | | ÷ | - | |
| | Oct,16 | Jan, 17 | 0.002 | White Rajmah | Seed | 8 kg | | 4000.00 | In stock |
| | Oct,16 | Jan, 17 | 0.002 | White French | Seed | 1 kg | | 500.00 | In stock |
| | | | | Bean | | | | | |
| | | • | • | | | • | - | | • |

Page | 94 | Annual Progress Report, KVK, Jorhat, 2016-17

| Spices & Plantation crops | | | | | | | |
|--|----------|-----------|-------|--------------------------------------|--------|------------------------------------|-------------------------------|
| Turmeric | May, 16 | Jan, 17 | 0.065 | Megha Turmeric | | 400kg | 12000.00 |
| Floriculture | | | | | | | · · |
| Gerbera | Sept, 16 | | | Red-gem | Sucker | 100 nos. sucker | 500.00 |
| Gladiolus | Oct, 16 | March, 17 | | Novalux, Sunniboy | Sucker | 50 corms | 250.00 |
| Fruits | | | • | | | | · · |
| Pineapple | Ratoon | | | Kew | | 500 No | 1000.00 |
| Guava | 2012 | | | Lucknow-49, Allahabad | | 50 | 2500.00 |
| | | | | Safeda | | | |
| Litchi | 2012 | | | Bedena, seedless, Rose Scented | | 30 | 3000.00 |
| a. Others | | | | | | | |
| Sugarcane | | | | Nambor, Doria, Borak, Dishang | | 15 Q | 7500.00 |
| Congo Signal Setaria Hybrid Napier | 2015 | | | | | 10000 No 10000 No 5000 No | 5000.00 5000.00 2500.00 |

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

| SI. | | | Amou | nt (Rs.) | |
|-----|---------------------|------------------|----------------|--------------|---------|
| No. | Name of the Product | Qty | Cost of inputs | Gross income | Remarks |
| 1 | Vermi worm | 28.3kg | 20000.00 | 6600.00 | |
| | | 25 kg (In stock) | | | |
| 2 | Vermicompost | 853 kg | | 10236.00 | |
| | | (10 0 q) | | | |
| 3 | Azolla | 900 kg | 1500 | | |
| | | In stock | | | |
| | BIOAGENTS | | | | |

Page | 95 | Annual Progress Report, KVK, Jorhat, 2016-17

6.4 **Performance of instructional farm (livestock and fisheries production)**

| Sl. No. | Name | | Details of production | | Amou | nt (Rs.) | Remarks |
|---------|------------------------|-----------------|-----------------------|---------------|----------------|--------------|---------|
| | of the animal / bird / | Breed/ Species | Type of Produce | Qty. | Cost of inputs | Gross income | |
| | aquatics | | | | | | |
| 1. | Cattle | HF- | Milk | 4844.11 lit | 82500.00 | 222829.00 | |
| 2. | Vermicompost | - | Vermi | 108.53 q | 20904.00 | 56600.00 | |
| | | | compost | | | | |
| | | | Vermiworm | 0.283 q | | | |
| 3. | Poultry | Broiler | - | 835.43 kg | | 87720.00 | |
| | | White Leg Horn | Hatching egg | 106 | | 1590.00 | |
| | | | | | | | |
| | | | Table egg | 316 | | 2528.00 | |
| | | Kalinga brown | Birds | 46 | | 13916.00 | |
| | | Kalinga brown | Chicks | 273 | | 35510 | |
| | | Kalinga brown | Hatching eggs | 464 | | 6960.00 | |
| | | | Table egg | 1952 | | 13590 | |
| | | Turkey | Bird | 3 | | 3820.00 | |
| | | | | | | | |
| | | | Chick | 74 | | 11420.00 | |
| | | | Hatching egg | 104 | | 3120 | |
| | | | Table egg | 22 | | 176 | |
| | | | Rainbow | 62 | | 4960 | |
| | | | Chick | | | | |
| | | Japanese quail | birds | 226 (200 nos. | | 17820.00 | |
| | | | | sold) | | | |
| | | | eggs | 2061 (sold) | | 4122.00 | |
| | | Khaki campbell | Hatching egg | 479 | | 7185.00 | |
| | | | Table egg | 1252 | | 10016.00 | |
| | | Vigova Super M | | 1 no | | 500.00 | |
| | | Bird | | | | | |
| | | Duckling | | 81 | | 10830.00 | |
| 4. | Goattery | Beetal buck | Beetal/ Local/ Sirohi | 1 no | 10000.00 | 2600.00 | |
| | | | Goat servicing | 48 no | | 2400.00 | |
| 5. | Piggery | T & D, Hamshire | 15 No. | 3 | 96180.00 | 27000.00 | |

Page | 96 | Annual Progress Report, KVK, Jorhat, 2016-17

| | | | Piglet | 23 | | 64000.00 | |
|-----|--------------------|--------------------|----------------|----------|---------|-------------|-----------|
| 6. | Fish | | Big fish | 116 kg | - | 23216.00 | Stock for |
| | | | | | | | next year |
| 7. | Rice- Fish | Indian Major Carp | Small fish | 9.8 kg | 5000.00 | 1176.00 | |
| 8. | Azolla | Azolla caroleniana | Azolla Compost | 9 q | 0 | Used in KVk | K, farm |
| 9. | Compost production | - | Compost | 108.53 q | 0 | 10236.00 | |
| | | | Vermiworm | 0.283 q | | 6600.00 | 25 kg |
| | | | | | | | In stock |
| 10. | Mushroom | Oyster | Mushroom | 4 kg | | 400.00 | |
| | | | | 20 kg | | 1200.00 | 8 kg |
| | | | | | | | In stock |

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit : Nil

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

6.6. Utilization of hostel facilities (Month-Wise) during 2016-17 : Nil

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

| Bank account | Name of the bank | Location/ Branch | Account Number |
|---------------------|------------------|---------------------------------------|----------------|
| With Host Institute | SBI, AAU, Branch | Assam Agricultural University, Jorhat | 10253825316 |
| With KVK | SBI, Teok | Teok | 30240073924 |
| Revolving Fund | SBI, Teok | Teok | 30705097714 |

7.2 Utilization of funds under FLD on Maize (*Rs. In Lakhs*) if applicable : Not applicable

7.3 Utilization of KVK funds during the year 2016 -17

| S. N o. | Particulars | Sanction ed (in Lakh) | Releas ed (in Lakh) | Expendit ure (in Lakh) |
|---------------|--|-----------------------------|------------------------------|------------------------------|
| A. I | Recurring Contingencies | | | |
| 1 | Pay & Allowances | 102.45 | | 94.87344 |
| 2 | Traveling allowances | 2.50 | | 2.49899 |
| 3 | Contingencies 19.00 | - | - | _ |
| A | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) | | | 3.16659 |
| В | POL, repair of vehicles, tractor and equipments | | | 2.14145 |
| С | Meals/refreshment for trainees | | | 2.09000 |
| D | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) | | | 1.33303 |
| E | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) | | | 1.34642 |
| F | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) | | | 1.34315 |
| G | Training of extension functionaries | | | 1.12182 |
| H | Misc. | | | 1.88576 |
| Ι | Other Maintenance | | | 4.26759 |
| J | Establishment of Soil, Plant & Water Testing Laboratory | | | |
| K | Library | | | |
| | TOTAL (A) | 19.00 | | 18.69581 |
| B. N | Non-Recurring Contingencies | | | |
| 1 | Works | 5.00 | | 4.98300 |
| 2 | Equipments including SWTL & Furniture | 2.05 | | |
| 3 | Vehicle (Four wheeler/Two wheeler, please specify) | 0.00 | | 0.00 |
| 4 | Library (Purchase of assets like books & journals) | 0.75 | | 0.75 |
| | TOTAL (B) | 7.80 | | 5.733 |
| C. I | REVOLVING FUND | * | * | * |
| | GRAND TOTAL (A+B+C) | 131.75 | | 121.80124 |

Opening balance as on Income during the Expenditure during the Net balance in hand as on 1st April of each Year 1st April year year year April 2014 to March 2015 3,53,782.00 2,84,271.00 3,71,290.00 2,66,763.00 April 2015 to March 2016 2,66,763.00 4,79,936.00 5,25,039.00 2,21,660.00 April 2016 to March 2017 2,21,660.00 7,48,476.00 5,77,228.00 3,92,908.00

7.4 Status of Revolving Fund (Rs. in lakhs) for last three years

Note: No KVK must leave this table blank

8.0 Please include information which has not been reflected above.

Cluster Front Line Demonstrations on Oilseed and Pulses under MNOOP and NFSM, 2016-17:

| Technology demonstrated | Demonstr | ation Yiel | d | Yield of | % increase | Gross Cost | Gross | Net Return | B:C Ratio |
|--|--------------|------------|-----------|----------------|------------|---------------------|------------------------|------------|-----------|
| | (Qt/Ha) | (Qt/Ha) | | local Check | | (Rs/Ha)/ | Return | (Rs/Ha) | (GR/GC) |
| | | | | | | (Rs./ unit) | (Rs/Ha) | / | |
| | н | T. | Δ | (Ot/Ha) | 0/0 | | / (Rs. / unit) | (| |
| | | Ľ | 1 | (Qu'iia) | 70 | | | | |
| | | | | | | | | | |
| Cluster demonstration of Rabi Oilsee | eds(Toria) u | nder NM | ООР | 1 | 1 | | 1 | | |
| Location : Kakorikota(Majuli), Borkhe | lia. Are | a : 20 ha | No.s of | f farmers : 57 | | | | | |
| | T | 1 | 1 | 1 | 1 | 1 | 1 | | 1 |
| Variety-TS-36 / TS-38 -, INM | 10.32 | 9.43 | 9.89 | 6.7 | 61.34 | 13,700 | 29670 | 15970 | 2.16 |
| practices (Bio-fertilizer: PSB & | | | | (local) | | | | | |
| Azotobacter) & FYM under Rice- | | | | | | | | | |
| Fallow situation, Soil amendment | | | | | | | | | |
| (Lime), Micronutrient (Borax | | | | | | | | | |
| Cluster demonstration of Kharif Puls | ses (Black g | ram) unde | er NFSM | • | • | • | • | | • |
| Location : Adi Elengi, Grezing Chapori | , Kothal Kho | owa, Borba | ri Pothar | Area : 20 |) ha 🏻 🗈 | No.s of farmers : 1 | 00 | | |
| HYV-PU-31-Integrated Nutrient | 8.62 | 7.84 | 8.2 | 6.67 | 22.93 | 25830 | 46800 | 20970 | 1.81 |
| Management Practices (Bio-fertilizer: | | | | | | | | | |
| Rhizobium) & FYM, Lime as soil | | | | | | | | | |
| amendment | | | | | | | | | |
| Cluster demonstration of Kharif Puls | ses (Green g | gram) und | er NFSM | • | • | • | • | • | • |
| Location : Adi Elengi, Grezing Chapori | , Kothal Kho | owa, Borba | ri Pothar | Area : 20 |) ha N | No.s of farmers : 1 | 00 | | |

| HYV-IPM02-3, Integrated Nutrient | 10.1 | 8.97 | 9.7 | 5.89 | 64.68 | 25550 | 77600 | 52050 | 3.04 |
|---------------------------------------|---------------|------------|----------------|---------------|--------------|----------------|-----------|-------|------|
| Management Practices (Bio-fertilizer: | | | | | | | | | |
| Rhizobium) & FYM, Lime as soil | | | | | | | | | |
| amendment | | | | | | | | | |
| Cluster demonstration of Rabi Pulses | s (Field Pea |) under Nl | FSM | | • | • | • | | • |
| Location : Malapindha, Bhalukmara Ad | li Elengi, Ra | tanpur (Ko | othal Khowa) | Area | : 20 ha | No.s of farmer | s : 54 | | |
| HYV- Rachna, INM practices (Bio- | 13.05 | 11.45 | 12.25 | 8.71 | 40.64 | 30255 | 49000 | 18745 | 1.62 |
| fertilizer: Rhizobium) & FYM, Soil | | | | | | | | | |
| amendment (Lime) | | | | | | | | | |
| | | | | | | | | | |
| Cluster demonstration of Rabi Pulses | s (Lentil) un | der NFSN | ſ | | | | | | |
| Location : Selek, Malapindha, Adi Ele | ngi, Grezing | Chapori, I | Lahon Gaon (Ko | thal Khowa) A | area : 20 ha | No.s of farm | ners : 86 | | |
| HYV – Moitree, INM practices (Bio- | 7.54 | 6.42 | 6.94 | 5.12 | 35.54 | 20270 | 55520 | 450 | 2.50 |
| fertilizer: Rhizobium) & FYM Soil | | | | | | | | | |
| amendment (Lime) | | | | | | | | | |

Seed Production under Pulse Seed Hub, 2016-17 :

| Crop / Enterprise | Area | Technology | Location |
|-------------------|-------|--|-------------------------------------|
| Kharif Black Gram | 30 ha | HYV-PU-31, IPU 94-1, Integrated Nutrient Management | Adi Elengi, Grezing Chapori, Kothal |
| | | Practices (Bio-fertilizer: Rhizobium) & FYM , Lime as soil | Khowa, Bhalukmara |
| | | amendment, IPM | |
| Kharif Green Gram | 20 ha | HYV-IPM 02-3, Integrated Nutrient Management Practices (Bio- | |
| | | fertilizer: Rhizobium) & FYM, Lime as soil amendment, IPM | |
| Lathyrus | 5 ha | HYV-Ratan with rice utera cropping | Bhakat Chapori |

Physical Progress of Pulse Seed Hub :

| Сгор | Target (q) | Variety | Class of Seeds | No. of Farmers | Area (ha) | Production(q.) | Committed quantity for seed buy back (q) | Remarks |
|--|---------------|----------|-------------------|-------------------|-----------|----------------|--|--|
| Black gram (Kharif) | 200q | PU 31 | CS | 60 | 17.74 | 150 q | Nil | Due to YMV infestation , the AAU authority suggested not to buy back the seed |
| | | IPU 94-1 | | 80 | 22.26 | 175q | 7 q | Due to non completion of storage and processing facility procurement of large quantity of seed will be a risky proposition. We decided to buy back |
| Green gram (Kharif) | 100 q | IPM02-3 | CS | 60 | 20 | 140 q | 30 q | only 7q of black gram and 30 qtl of green as per the requirement of the host kvks for cluster demonstration in the next season. Already we received indents of nearby KVKs, |
| * Out of the total area under Black Gram variety IPU 94-1, KVK Dibrugarh and Tinsukia executed 05 ha area each | | | | | | | | |

| Physical Progress | | | | | | | | | |
|---------------------|---------------|---------|-----------------------|--|-----------|---|---|-----------------------------------|----------------------|
| Сгор | Target (q) | Variety | Class of Seeds | No. of Farmers | Area (ha) | Production/ Expected Production (q.) | Committed quantity for seed buy back (q) | Remarks | |
| Field Pea (Rabi) | 300 q | | Due to n Kanpur; I | Due to non-availability of foundation seeds of desired variety (though requisition were made to the competent authority like IIPR, Kanpur; NSC, Guwahati; ASC, Guwahati; but they failed to supply the same), the programme was cancelled for this year. | | | | | |
| Lathyrus (Rabi) | Nil | Ratan | FS | 48 | 5 | 25 | 25 q | At flowering stage the target) | (expected to fulfill |

Financial Progress of Pulse Seed Hub :

| Amount Sacntioned (In Lakhs) | Amount Received (In Lakhs) | Expenditure (In Lakhs) | Balance (In Lakhs) |
|--|--------------------------------|---|--------------------|
| 1,50,00,000 (Rs 100,00,000 under Revolving Fund & Rs.50,00,000 under Infrastructure Development) | 35,00,000 as Revolving Fund | Rs 1,85,600 (Achieved) ii.Rs 4,45,000 (Committed expenditure in terms of seed buy back, certification, carrying etc will be achieved up to March, ,17) | Rs 28,69,400 |

Assets creation under Pulse Seed Hub by KVK, Jorhat :

| Assets creation | Physical (Nos) | Finan | cial (Rs.) | Reasons for shortfall, if any. | |
|-----------------------------|---|-----------------------------------|------------|--------------------------------|--|
| | Target | Achieve | Target | Achieve | |
| Seed processing plant | Processing unit with seed grader, bucket elevator and weighing and bagging system | Tendering process completed | 13,90,000 | Nil | The total requirement of fund is Rs 50 lakh for the asset creation. However only 35 lakh was provided as contingence for seed hub revolving fund. As the money for the asset creation has not been received the work on processing unit and storage unit is stalled |
| Godown | RCC godown with cooling facility and semi covered threshing floor | Tendering process completed | 36,10,000 | Nil | currently. |

Quality paddy seed production through Participatory Foundation Seed (Sali paddy) Production under Technology Showcasing, 16-17 :

| Сгор | Area | Technology | Location | No. of Farmers | Progress |
|------------|-------|----------------------------------|--|----------------|---|
| Sali paddy | 30 ha | Variety- Gitesh, Swarna Sub-1 | Sukanjan, Budhbaria, Lahdoigarh Maran Gaon, Ara Gaon, Puranimatia, Majgaon, Kaliapani, Suramoni (12+36=48) | 48 | Waiting for seed certification. Expected quality seed : 1560 q |

8.1 Constraints

- (a) Administrative : None
- (b) Financial : Delay in release of fund from ZPD for the financial year. Generally the first release is during June –July but our seasons activities starts from April; hence, face a lot of problem. Revised budget is always announced almost at the end of the year which makes utilization difficult. The fund under contingency is too meager to take up activities among farmers to make the presence of KVK felt in the district.
- (c) Technical : Soil testing laboratory not established till date

(d) Mobility : There is only one vehicle at KVK which often become insufficient to make all the field visits. Hence, another vehicle or one/two motorbike may

be provided for smooth monitoring of various programmes by the SMS.

(Signature)

Sr. Scientist cum Head

Pl. take maximum care while filling up the annual report format as per instructions so that no column is left blank. Pl. note that any incomplete individual KVK report shall not be considered and will be returned.