# ANNUAL ACTION PLAN

# 2012-13

**Krishi Vigyan Kedra, Jorhat**

**Assam Agricultural University**

**Teok-785112**

**PART – I**

**(GENERAL INFORMATION)**

## 1. General information about the KVK , Jorhat

**Name and address of KVK with Phone, Fax and E-mail***

| Complete postal address with Pin Code | Telephone | Fax | E mail |
|---|---|---|---|
| Krishi Vigyan Kendra, Jorhat<br>Assam Agricultural University<br>Changmaigaon<br>Kaliapani – 785112<br>Teok, Jorhat, Assam | +91-376-2396510 | - | kvkjorhat@ymail.com |

**Name and address of host organization with Phone, Fax and E-mail***

| Complete postal address with Pin Code | Telephone | Fax | E mail |
|---|---|---|---|
| Assam Agricultural University<br>Jorhat – 785013<br>Assam | 0376-2340029 | 0376-2340001<br>0376-2310708 | vc@aau.ac.in |

**Name of the Programme Coordinator with Landline & Mobile No***

| Name of PC | Contacts | | |
|---|---|---|---|
| | Residence | Mobile | E mail |
| Dr. Rupam Borgohain | - | +91-9435352939 | **borgohainrupam@yahoo.co.in** |

***** = *Mandatory and to be provided without fail.***

**Year of sanction of KVK: 2006**

**Scientific Staff Position* (As on 31st January, 2012)**

| No. | Sanctioned posts | Name of the incumbent | Designation | Discipline | Date of joining | Mobile No |
|---|---|---|---|---|---|---|
| 1 | Programme Coordinator | Dr. Rupam Borgohain | Programme Coordinator | Plant Breeding | 24.12.2009 | 94353-52939 |
| 2 | Subject Matter Specialist | Ms. Rumjhum Phukan | SMS | Plant Breeding | 10.08.2011 | 94350-96127 |
| 3 | Subject Matter Specialist | Mr. Pabitra Saharia | SMS | Fishery Science | 07.08.2011 | 98642-45553 |
| 4 | Subject Matter Specialist | Ms. Mousumi Phukon | SMS | Entomology | 25.11.2009 | 97072-60210 |
| 5 | Subject Matter Specialist | Dr. Pankaj Deka | SMS | Animal Science | 02.08.2011 | 80111-85790 |
| 6 | Subject Matter Specialist | Ms. Ira Sarma | SMS | Horticulture | 05.08.2011 | 94354-91248 |
| 7 | Subject Matter Specialist | Ms. Bibha Ozah | SMS | Soil Science | 04.08.2011 | 94357-42192 |
| 8 | Programme Assistant | Ms. Binapani Deka | Prog. Assistant | Home Science | 10.08.2011 | 94350-90073 |
| 9 | Computer Programmer | Mr. Shantanu Saikia | Prog. Assistant (Computer) | Computer Science | 08.11.08 | 78966-91828 |
| 10 | Farm Manager | Mr. Manab Bikas Gogoi | Farm Manager | Biotechnology | 14.10.2011 | 80113-21093 |
| 11 | Accountant / Superintendent | Mr. Bogadhar Neog | Jr. Accountant | NA | 10.06.2009 | 94353-57302 |
| 12 | Stenographer | Mr. Biman Phukon | Stenographer | NA | 18-2-2012 | - |
| 13 | Driver | Mr. Pankaj Borah | Contractual | NA | NA | 94356-30998 |
| 14 | Driver | Mr. Diganta Gogoi | Contractual | NA | NA | 99545-52560 |
| 15 | Supporting staff | Mr. Putul Bora | Peon | NA | 11.12.2007 | 98543-53937 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 16 | Supporting staff | Mr. Krishna Sarma | Peon | NA | 01.12.2007 | |

**** = The scientific staff position should reflect in the quantity and quality of all programmes proposed by KVK in the action plan***

**Total land with KVK (in ha):**

| No. | Item | Area (ha) |
|---|---|---|
| 1 | Under Buildings | 1.20 |
| 2 | Under Demonstration Units | 1.00 (RKVY) |
| 3 | Under Crops | 5.30 |
| 4 | Orchard/Agro-forestry | 2.13 |
| 5 | Others | 2.30 |

**SAC meetings proposed for the year: 2012-13**

| No. | Proposed Date/Month | Expected Participants | Salient Action Points |
|---|---|---|---|
| 1 | June' 2012 | 25 | To be formulated in the meeting |
| | | | |

**Details of district (2012-13)**

**Major farming systems existing in the district* (based on the study made by the KVK)**

| No | Farming systems identified |
|---|---|
| 1. | Agri – Horti – Animal husbandry – Fishery |
| 2. | Agri – Horti – Animal husbandry |

| | |
|---|---|
| 3. | Agri – Horti – Animal husbandry – Sericulture |
| 4. | Agri – Horti |

**** = the programmes proposed by KVK should be matching with the identified farming systems***

**Description of Agro-climatic Zone (based on soil and topography)**

| No | Agro-climatic Zone | Characteristics |
|---|---|---|
| 1 | Upper Brahmaputra Valley Zone | The Upper Brahmaputra Valley Agro-climatic Zone is characterized by the 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. |

**Description of major agro ecological situations (based on soil and topography)**

| No | Agro ecological situation | Characteristics |
|---|---|---|
| 1 | Humid Alluvial Flood Prone (AES-I) | The soils are young, immature with varying texture such as sandy, sandy loam, loamy sand, loam and clay loam. The organic matter content varies from low to medium and soil is near neutral to slightly acidic in reaction. |
| 2 | Char area (AES-II) | This situation comprises river islands and peripheral areas of the Brahmaputra river and susceptible to regular floods. Soils are in early stages of pedogenic development as they are formed from stratified alluvial deposits of river flood. The surface layer of the soil is sandy loam with underlying coarse textured exists in the sub surface. The organic matter content of the soils ranges from low to medium and the soil is rich in potash content. The soil is almost neutral in reaction. |
| 3 | Humid Alluvial Flood Free (AES-III) | This situation characterized by almost level land with gentle slope, which can be categorized into upland, medium land, low land and very low land. The soils are sandy loam, loamy sand, loam in texture and are young/immature and are slightly to strongly acidic in reaction. |
| 4 | High Land (AES-IV) | The soils of this situation are alluvial in nature and having undulating topography with gentle slope. Soils are mostly deep clay, reddish to pinkish in colour on the surface and yellow to yellowish red in the sub surface. Other variations in soil texture such as clay loam, loam and sandy loam are also observed in this situation. |

**Details of Operational area / Villages**

| No | Name of the Taluk | Name of the block | Name of the village | Major crops & enterprises | Major problem identified | Identified Thrust Areas |
|---|---|---|---|---|---|---|
| 1. | Kaliapani | Kaliapani, Selenghat | Kaliapani Changmaigaon, Kaliapani gohaingaon, Adarsagaon, Siram missinggaon, Changmaigaon, Kaliapani, Kanwar Sensuwagaon, Kaliapani Bamun pukhuri Soraimuriagaon, Kaliapani | Rice, Kharif and winter vegetable, rapeseed, tea, Poultry (broiler), goatery, fishery,assam lemon | 1. Mono cropping<br><br>2. Lack of knowledge of modern technologies of crops, livestock and fishery management<br><br>3. Unavailability of quality seeds and planting materials for horticultural crops<br><br>4 Lack of commercialization of livestock and fishery based enterprise<br><br>5. Injudicious use of chemical pesticides<br><br>6. Fluctuation in market price | 1. Increasing crop productivity through scientific management<br><br>2. Commercialization of livestock and poultry production.<br><br>3. INM and IPM in crops<br><br>4. Entrepreneurship development for rural youths<br><br>5. Preservation of fruits and vegetables and value addition to agricultural commodities<br><br>6. Livestock based integrated farming.<br><br>7. Integrated aquaculture |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2 | Hahchara | | Boragaon, Hansuwa Changmaigaon, Kaliapani, Kanwar Sensuwagaon, Kaliapani Bamun pukhuri Soraimuriagaon, Kaliapani, Panitullagaon, chirakhondagaon Boragaon, Hansuwa | Rice, Kharif and winter vegetable, Bhut jalakia rapeseed, tea, Poultry (broiler/duckery), goatery, fishery,assam lemon | 1.. Lack of knowledge of modern technologies of crops, livestock and fishery management<br><br>2. Unavailability of quality seeds and planting materials for horticultural crops<br><br>3. Lack of commercialization of livestock and fishery based enterprise<br><br>4. Injudicious use of chemical pesticides<br><br>5.. Fluctuation in market price | 1. Increasing crop productivity through scientific management<br><br>2. Commercialization of livestock and poultry production.<br><br>3. INM and IPM in crops<br><br>4. Entrepreneurship development for rural youths<br><br>5. Preservation of fruits and vegetables and value addition to agricultural commodities<br><br>6. Livestock based integrated farming.<br><br>7. Integrated aquaculture |
| 3 | Boloma | Kaliapani, | Boloma morangaon,<br><br>Majkurigaon, Na-karigaon, Burakurigaon, Bolamagaon, | Rice kharif and rabi vegetables,, potato, rapeseed, black pepper, ginger, turmeric, banana, Assam lemon, fishery, Goattery, Duckery, Dairy Mushroom | 1. Mono cropping<br><br>2. Lack of knowledge of modern technologies of crops, livestock and fishery management<br><br>3. Unavailability of quality seeds and planting materials for horticultural crops<br><br>4 Lack of commercialization of livestock and fishery based enterprise<br><br>5. Injudicious use of chemical pesticides | 1. Increasing crop productivity through scientific management<br><br>2. Commercialization of livestock and poultry production.<br><br>3. INM and IPM in crops<br><br>4. Entrepreneurship development for rural youths<br><br>5. Preservation of fruits and vegetables and value addition to agricultural commodities<br><br>6. Livestock based integrated farming.<br><br>7. Integrated aquaculture |

| | | | | | | |
|---|---|---|---|---|---|---|
| 4 | Rajoi Badulipukhuri (Pirahkota) | | Badulipukhuri majgaon, Chutiagaon, Pirahkota Bailunggaon, Haruphodiagaon, Borphodia Bailunggaon, Ghohaingaon, | Rice, Winter and kharif vegegtable, Potato, rapeseed, black peper, banana, goatery, duckery | 1. Low crop productivity<br><br>2. Unawareness of scientific production technology<br><br>3. Pest and disease incidence especially in vegetables<br><br>4. Injudicious use of pesticides<br><br>5. Traditional low productive pig, duck poultry production.<br><br>6. Lack of management of natural depression for fish production | 1. Integrated farming systems<br><br>2. Entrepreneurship development for rural youths and farm women.<br><br>3. Integrated Nutrient Management.<br><br>4. Increasing crop productivity through scientific management<br><br>5. Integrated livestock production and management<br><br>6. Introduction improved bred of pig, duck and poultry suitable for backyard rearing.<br><br>7. Integrated Pest and Disease management in crop and vegetables. |
| 5 | Mariani | | Kheremiagaon, Danigaon, Bongaon, Bahonigaon, Newsonowal missingaon | Winter and kharif vegetable, Potato, rapeseed, black pepper, banana, goatery, duckery, pine apple | 1. Low productivity of traditional variety.<br><br>2. Unawareness of scientific production technology<br><br>3. Unscientific horticultural pocket.<br><br>4. Under utilization of natural resources. | 1. Organic vegetable and fruit production.<br><br>2. Entrepreneurship development for rural youths and farm women.<br><br>3. Integrated Nutrient Management.<br><br>4. Increasing crop productivity through scientific management<br><br>5. Introduction of improved bred of pig, and poultry suitable for backyard rearing.<br><br>6. Integrated Pest and Disease management in crop and vegetables. |

| | | | | | | |
|---|---|---|---|---|---|---|
| 6 | Kamalabari | Majuli Development Block | Mahkina gaon, Bhakat chapari, Danigaon, Borbarigaon, Gormur, Kamalabari, Gormur, Aauniati | Sali rice, rapeseed & mustard, rabi vegetables, potato, garlic, apiary piggery, fish production | 1. Low crop productivity<br><br>2. Unawareness of scientific production technology<br><br>3. Pest and disease incidence especially in vegetables<br><br>4. Injudicious use of pesticides<br><br>5. Traditional low productive pig, duck poultry production.<br><br>6. Lack of management of natural depression for fish production | 1. Integrated farming systems<br><br>2. Entrepreneurship development for rural youths and farm women.<br><br>3. Integrated Nutrient Management.<br><br>4. Increasing crop productivity through scientific management<br><br>5. Integrated livestock production and management<br><br>6. Introduction improved bred of pig, duck and poultry suitable for backyard rearing.<br><br>7. Integrated Pest and Disease management in crop and vegetables. |
| 7 | Fesual | Central Devevelopment Block, Chipahikhola | Fesual No-II goan, Fesual No-I gaon, Holongpara Gohaingaon, Karigaon, Jotokia, Hingipulia | Potato, kharif and rabi vegetables, ginger, banana, Assam lemon, fishery, Goatery, dairy Mushroom | 1. Mono cropping<br><br>2. Unorganised marketing of Milk, Kharif and Winter vegetable<br><br>3. Water scarcity during winter season<br><br>4. Lack of awareness about child care and nutrition<br><br>5. Pest and disease incidence<br><br>6. Injudicious use of chemical pesticides | 1. Rain water harvesting<br><br>2. Increasing crop productivity through scientific management<br><br>3. Orgnanised marketing under group approach.<br><br>4. Integrated pest and disease management<br><br>5. Entrepreneurship development for rural youths<br><br>6. Integrated farming systems<br><br>7. Women empowerment |

**Priority thrust areas (prioritized in sync with thrust areas identified and given above)**

| Rank | Thrust area |
|---|---|
| 1. | Integrated Crop Management |
| 2. | Integrated livestock and poultry production |
| 3. | Production of quality seed and planting material |
| 4. | Integrated Nutrient Management |
| 5. | Integrated Pest and Disease Management |
| 6. | Women empowerment |
| 7. | Rain water harvesting and water management |
| 8. | Entrepreneurship development |
| 9. | Commercial aquaculture |
| 10. | Storage and Marketing |

**PART – II**

**(OFT AND FLD)**

**2. Technical activities proposed**

**Abstract of interventions to be undertaken during 2012-13 (Target)**

| No | Thrust area | Crop/ | Identified | Interventions (if any) |
|---|---|---|---|---|

| | | Enterprise | Problem | Title of OFT | Title of FLD | Title of Training | Title of training for extension personnel | Extension activities | Supply of seeds, planting materials |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Integrated Crop Management | Sali paddy | Recurrent flash floods | Performance of paddy variety *Swarna Sub-1* in flash flood situation against *Jalashree* and *Jalkunwari* | - | - | - | Radio talk, Bulletin | Rice seed , Fertilizer |
| 2 | | Sali paddy | Low yield of existing short duration varieties for post flood situation | Assessment of paddy variety *kolong* under post flood situation | - | - | - | Field visit | Rice seed , Fertilizer |
| 3 | | Sali paddy | Lack of varieties under low input management condition | Assessment of paddy variety *Gandhari/ SrimontalBharati/ Mohan* under low input condition | - | - | - | Bulletin, Field visit | Rice seed , Fertilizer |
| 4 | | Sali Paddy | Low yield of existing medium duration Sali varieties for double cropped areas | Assessment of Paddy variety *Mulagabhoru* and *TTB 404* for double cropped areas against *Satyaranjan, Basundhara* and *Kanaklata* | - | - | - | Field visit | Rice seed , Fertilizer |
| 5 | | Green gram | Lack of green gram varieties with resistance to Cercospora leaf spot and YMV | Assessment of Greengram variety SG-21-5 | - | - | - | Field visit | Seed , fertilizer |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 6 | | Sugarcane | Low yield and sugar content due to cultivation of none descript sugarcane varieties. | - | Demonstration of sugarcane varieties 'kalang' | Management practices of sugarcane | - | Field Day, Radio talk, Bulletin | Sugarcane setts , fertilizer |
| 7 | | Toria | Low yield of existing varieties under late sown condition | Assessment of late sown toria variety TS- 67 and JT- 90-1 | - | - | - | Field visit | Seed , fertilizer |
| 8 | | Yellow Sarson | Non adoption of high yielding Yellow Sarson in Jorhat district | - | Large scale production performance and Water management in Yellow Sarson var | Water management in Yellow Sarson var. Binoy | - | Field Day, Radio talk, Bulletin | Seed , fertilizer |
| 9 | | Pineapple | Weed problem and moisture stress during winter months | - | Performance of pineapple under black polythene mulch | Application of Mulching in High value Horticultural crops | - | Field day, Bulletin | Plastic for mulching |
| 10 | | French bean | Rust is a major problem in french bean cultivation | - | Performance of French bean variety Arka Anup | Cultivation practices of French bean | - | Field day, Bulletin, radio talk | Seeds, fertilizer |
| 11 | | Marigold | Ignorance of commercial floriculture | Performances of Marigold, variety *Pusa narengi* | - | - | - | Radio talk, popular article | Seed, Ferilizer |
| 12 | | Banana | Smaller size of fingers towards denavelled end leading to lower bunch weight | Enhanced Bunch yield by treating denavelled end (7.5 g urea + 7.5 g sulphate of potash in 100 ml water + 500 g fresh cowdung) | - | - | - | Radio talk, Expert visit | Sucker, fertilizer, |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 13 | Integrated Nutrient Management | Sali Paddy | Lack of knowledge of INM in Sali paddy | INM in Rice | - | - | - | Field visit, popular article | Biofertilizer, ferlizer, seed, enriched compost |
| 14 | | Orange | Poor growth and low yield due to non adoption of nutrient management practices | - | INM in Orange (7.5 kg MOC+ 300 g N+ 100 g $P_2O_5$ as RP + 600 g $K_2O$ + 20 g *Azotobacter* + 20 g *PSB*) | Integrated nutrient management in Citrus crops | - | Radio talk, Popular article, field day | Oil cake, fertilizer, Biofertilizer |
| 15 | | Black gram | Lack of knowledge of biofertilizer application in pulse crop | - | Application of Rhizobium culture in Blackgram | INM in Pulses | | Field Day, Radio talk, Bulletin | Seed , biofertiliser, fertilizer |
| 16 | Integrated Pest Management | Brinjal | Heavy incidence of fruit and shoot Borer | Management of Brinjal Fruit and Shoot Borer | - | - | - | IPM in solanaceous vegetablesl | Seed, Fertilizee, Pheromone trap, Neem based pesticides |
| 17 | | Mushroom | Lack of awareness of Scientific cultivation of high temperature tolerant Button Mushroom | Mushroom cultivation for self Employment | - | - | - | Training, Method demonstration | Spawn, bags |
| 18 | | Apiary | Lack of awareness of scientific rearing of bee | - | Bee rearing for self Employment | Rearing of Honey bee | - | Training, Method demonstration, Field day | Bee colony, Box |
| 19 | | Rice | High infestation of stem borer, case worm and Brown Plant Hopper | - | IPM in Ahu Rice | IPM in Ahu rice | - | Field day , popular article, Bulletin | Trichocard, Neem based pesticide |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 20 | Drudgery reduction Technology | Rice Storage Structure | Inconvenient rice storage structures for female | - | Improved Duli | Improved storage structure for Rice | - | Field Day, Bulletin | Duli with outlet |
| 21 | Animal Husbandry | Poultry | Poor production potential of indigenous birds | - | Introduction of improved backyard dual purpose vanaraja/ Kalinga Brown poultry | Rearing of improved dual purpose bird under low input production system | - | Popular article, field day | DOC, Feed for one month, Vaccine, medicine |
| 22 | | Pig | Problem of poor body weight gain of nondescript local pigs | - | Production performance of Ghungroo pigs in Jorhat district | Scientific rearing of Pig | - | Radio Talk, diagnostic visit, field day | Piglet, feed , Medicine |
| 23 | | Duck | Poor production performance of local duck | Productive performance of Chara- Chemballi duck and its economic impact on Women self-help group | - | - | - | Radio Talk, diagnostic visit | Ducklings, Feed , Medicine |
| 24 | | Fodder | Lack of awareness in quality fodder cultivation. | - | Performance of Hybrid Napier variety NB-21 and Setaria variety Kazungula and Nandi. | Quality fodder cultivation. | - | Visit, Popular article, field day | Setts and fertilizer. |
| 25 | Fisheries | Fisheries | Low Yield due to poor quality feed | - | Yield performance of fishes using supplementary feed ( Sushma, a fish feed developed by FRC, AAU) | Feed and feeding management in Composite fish culture | - | Field Day, Radio talk, Bulletin | Fish seed , Feed, Fertilizer |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 26 | | Rice/ Fish | Non adoption of the existing rice ecosystem for fish culture | - | Integrated rice-fish farming | Integrated fish farming | - | Field Day, Radio talk, Bulletin | Fish seed, Rice Seed Feed, Fertilizer |
| 27 | | Fisheries | Scientific management of fisheries in oxygen distress condition during Winter months | Use of Aerators in Carp pond | - | - | | Radio talk | Fish seed, feed, fertilizer etc. |
| 28 | | Fisheries | Low survival, low yield | Backyard nursery pond management | - | - | - | Radio talk | Fish seed, Feed, Fertilizer |
| | | | **Total** | **14** | **14** | **14** | | | |

**Notes (to be strictly followed in formulation of OFTs):**

Technology Assessment refers to any technology (preferably new) going for assessment through OFT for the first time in a micro location.

Technology Refinement refers to an already assessed technology getting refined through OFT to suit micro location needs for later demonstration.

*If any OFT is proposed for refinement, kindly mention whether the technology was assessed earlier or not. If not, provide reasons.*

Technologies older than 5 years have to be preferably avoided for OFTs

**Examples:**

Technology selected for assessment (and/or) refinement (Ex: Rice Var: XXXXXX)

Source of technology with year of release (Ex: ICAR RC NEH, Barapani, 2007)

Production system and thematic area (Ex: Crop production & Weed management)

Performance indicators of the technology (Ex: Yield, Shelf life etc)

**Details of On Farm Trials to be undertaken during 2012-13 (Target)**

| Crop/ enterprise | Farming situation | Problem Diagnosed | Title of OFT | Assessment/ Refinement (WRITE A / R) | No. of trials* |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| Rice | Low/Medium land | Recurrent flash floods | Performance of paddy variety *Swarna Sub-1* in flash flood situation against Jalashree , Jalkunwari and farmers variety | A | 3 |
| Rice | Low/Medium land | Low yield of existing short duration varieties for post flood situation | Assessment of Paddy variety *kolong* under post flood situation | A | 3 |
| Rice | Medium land | Lack of varieties under low input management condition | Assessment of Paddy variety *Gandhari/ Srimonto/Bharati/Mohan* under low input condition | A | 3 |
| Rice | Medium land | Low yield of existing medium duration *Sali* varieties for Double cropped areas | Assessment of Paddy variety *Mulagabhoru* and *TTB 404* for double cropped areas against *Satyaranjan, Basundhara* and *Kanaklata* | A | 3 |
| Green gram | Medium/up land | Lack of green gram varieties with resistance to Cercospora leaf spot and YMV | Assessment of Greengram variety SG-21-5 | A | 3 |
| Toria | Up/ Medium land | Low yield of existing toria varieties under late sown condition | Assessment of late sown toria variety TS- 67 and JT- 90-1 | A | 3 |
| Marigold | Up/Medium land | Ignorance of commercial floriculture | Performances of Marigold, variety *Pusa narengi* | A | 3 |
| Banana | Upland | Smaller size of finger towards denavelled end leading to lower bunch weight | Enhanced Bunch yield by treating denavelled end (7.5 g urea + 7.5 g sulphate of potash in 100 ml water + 500 g fresh cowdung) | A | 3 |

| | | | | | |
|---|---|---|---|---|---|
| Rice | Low/Medium land | Lack of knowledge of INM in Sali paddy | INM in Rice | A | 3 |
| Brinjal | Upland | Heavy incidence of fruit and shoot Borer | Management of Brinjal Fruit and Shoot Borer | A | 3 |
| Mushroom | - | Lack of awareness of Scientific cultivation of high temperature tolerant Button Mushroom | Button mushroom cultivation for self Employment | A | 3 |
| Duck | - | Poor production performance of local duck | Productive performance of Chara- Chemballi duck and its economic impact on Women self- help group | A | 3 |
| Fisheries | - | Scientific management of fisheries in oxygen distress condition during Winter months | Use of Aerator in Carp pond | A | 3 |
| Fisheries | - | Low survival, low yield | Backyard nursery pond management | A | 3 |

- **No. of farmers**

| **Technology assessed/refined** | **Year of release of technology** | **Whether the technology is latest one available? (Y/N)*** | **If NO, then reason for using the old technology for OFT (in detail)** | **Parameters of assessment** |
|---|---|---|---|---|
| 6 | | | | 7 |
| Rice( variety *Swarna Sub-1* ) | AAU, 2011 | Y | - | Nos and duration of recurrent flash flood, Crop stand after flood ,Days of maturity, yield, pest and diseases infestation |
| Rice( variety *Kalang* ) | AAU, 2011 | Y | - | Days of maturity, yield, date of sowing, transplanting, pest and diseases infestation |
| Rice( varieties *Gandhari/* | AAU, 2011 | Y | - | Plant growth , pest and diseases infestation, Days to |

| | | | | |
|---|---|---|---|---|
| *Srimonto/Bharati/Mohan* | | | | maturity, yield |
| *Rice*( Varieties *Mulagabhoru* and *TTB 404* | AAU, 2011 | Y | - | Days of maturity, yield, pest and diseases infestation |
| Green gram (Variety *SG-21-5*) | AAU, 2011 | Y | - | Days of maturity, yield, date of sowing, Cercospora and YMV infestation |
| Toria (Variety, TS- 67 and JT- 90-1 ) | AAU, 2011 | Y | - | Date of sowing, pest and diseases infestation Days of maturity, yield |
| Marigold (variety *Pusa narengi* ) | IARI, 2008 | Y | - | Date of sowing, Plant height, no. of flower/plant pest and diseases infestation, Days of maturity, cut flower yield |
| Banana(increasing finger size) | ICAR, 2009 | Y | - | Finger length, girth, weight, bunch weight, and yield. |
| Rice(INM) | AAU, 2009 | Y | - | Days of maturity, yield, date of sowing, pest and diseases infestation, Soil chemical and biological status |
| Brinjal (IPM for shoot and fruit borer) | IARI, 2009 | Y | - | No of infected plants in 10 days interval, yield etc. |
| Button mushroom(Production Technology) | MRC, Solan , 2011 | Y | - | Growth, Yield, disease and pest |
| Duck(breed- Chara-Chemballi | KAU, 2002 | Y | - | Age at sexual maturity, egg production, egg quality, body weight gain at different age, disease incidence |
| Fisheries( use of aerator) | AAU, 2005 | Y | - | Survival percentage, yield |
| Fisheries(pond management) | AAU, 2007 | Y | - | Yield, weight gain |

- **= The technology should be less than 5 years old.**

**Frontline Demonstrations**

**Details of FLDs to be implemented during 2012-13 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)**

**Notes (to be strictly followed in formulation of FLDs):**

FLDs are conducted only on proven technologies.

FLDs are conducted on previously assessed/refined technologies which are found suitable for the KVK district.

Only latest technologies have to be selected for FLDs (Preferably less than 5 years old).

**Examples:** Same as in case of OFTs

**A. Cereal Crops**

| No. | Crop | Thematic area | Technology to be Demonstrated | Season and year | Whether the technology assessed/refined by KVK earlier (Y/N)? | If not, how the technology was proven as suitable for FLD in the district? | Area (ha)/ No. of Demonstration | No. of farmers | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Proposed | SC/ST | Others | Total |
| 1. | Rice (Ahu rice) | Integrated pest and disease management | IPM in ahu rice | Rabi, 2012-13 | N | Already proven and recommended for the district by Assam Agricultural University | 5ha/ 2nos. | 5 | 15 | 20 |

**B. Oilseed crops**

| No. | Crop | Thematic area | Technology to be Demonstrated | Season and year | Whether the technology assessed/refined by KVK earlier (Y/N)? | If not, how the technology was proven as suitable for FLD in the district? | Area (ha)/ No. of Demonstration | No. of farmers | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Proposed | SC/ST | Others | Total |
| 1. | Yellow Sarson | Integrated Crop management | Water management in Yellow Sarson var. *Binoy* | Rabi, 2012-13 | Technology already assessed by KVK | - | 6ha/ 3nos. | 10 | 20 | 30 |

**C. Pulse Crops**

| No. | Crop | Thematic area | Technology to be Demonstrated | Season and year | Whether the technology assessed/refined by KVK earlier (Y/N)? | If not, how the technology was proven as suitable for FLD in the district? | Area (ha)/ No. of Demonstration | No. of farmers | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Proposed | SC/ST | Others | Total |
| 1. | Black gram | Integrated Nutrient Management | Application of Rhizobium culture in Blackgram | Rabi, 2012 -13 | N | Already recommended for the district by AAU | 5ha/ 5nos. | 6 | 19 | 25 |

**D. Horticultural Crops**

| No. | Crop | Thematic area | Technology to be Demonstrated | Season and year | Whether the technology assessed/refined by KVK earlier (Y/N)? | If not, how the technology was proven as suitable for FLD in the district? | Area (ha)/ No. of Demonstration | No. of farmers | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Proposed | SC/ST | Others | Total |
| 1. | Pineapple | Integrated Crop Management | Performance of pineapple under black polythene mulch | Kharif-2012-2013 | N | Technology recommended by AAU for the district | 2ha/ 2nos. | 4 | 6 | 10 |
| 2 | French bean | Integrated Crop Management | Performance of French bean variety *Arka Anup* | Rabi, 2012 -13 | Y | French bean variety *Arka Anup* was cultivated under the DBT project on Organic farming and performed well in the district | 2ha/ 2nos. | 4 | 16 | 20 |
| 3 | Orange | Integrated Nutrient Management | Integrated nutrient management in Citrus crops (7.5 kg MOC+ 300 g N + 100 g $P_2O_5$ as RP + 600gm $K_2O$ + 20 g *Azotobacter* + 20 g *PSB*) | Kharif-2012-13 | N | Package for nutrient management in orange given by AAU | 50 plants | 3 | 2 | 5 |

**D. Cash Crops**

| No. | Crop | Thematic area | Technology to be Demonstrated | Season and year | Whether the technology assessed/refined by KVK earlier (Y/N)? | If not, how the technology was proven as suitable for FLD in the district? | Area (ha)/ No. of Demonstration | No. of farmers | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Proposed | SC/ST | Others | Total |
| 1. | Sugarcane | Integrated Crop Management | Assessment of sugarcane varieties *kalang* | Kharif-2012-13 | Y | - | 2ha/ 2nos. | 8 | 12 | 20 |

**(i) Farm Implements:**

| No. | Crop | Thematic area | Name of the implement | Season and year | Whether the technology assessed/refined by KVK earlier (Y/N)? | If not, how the technology was proven as suitable for the district? | Area (ha)/ No. of Demonstration | No. of farmers | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Proposed | SC/ST | Others | Total |
| 1 | Rice | Inconvenient storage structure for female | Improved Duli | Kharif-2012-2013 | N | Already recommended for the district by AAU | 5 nos. | 2 | 3 | 5 |

**(ii) Livestock Enterprises:**

| Enterprises | Breed | No. of farmers | No. of animals, poultry birds etc. | Performance parameters / indicators | * Data on parameter in relation to technology demonstrated | | % change in the parameter | Remarks |
|---|---|---|---|---|---|---|---|---|
| | | | | | Demon. | Local check | | |
| Poultry | Improved backyard dual purpose vanaraja / Kalinga Brown poultry | 5 | 5x50=250 | 1.Age at sexual maturity<br>2. Egg production<br>3. Weight gain, | NA | NA | NA | NA |
| Pig | Ghungroo pigs | 5 | 5x5=25 | 1.Age at sexual maturity, 2.growth rate, 3.litter size, | NA | NA | NA | NA |

** Milk production, meat production, egg production, reduction in disease incidence etc.*

**(iii) Other Enterprises:**

| Enterprise | Variety/ breed/Species/others | No. of farmers | No. of Units | Performance parameters / indicators | Data on parameter in relation to technology demonstrated | | % change in the parameter | Remarks |
|---|---|---|---|---|---|---|---|---|
| | | | | | Demon. | Local check | | |
| Fodder | Hybrid Napier NB-21 and Setaria, *Kazungula & Nandi* | 5 | 5 | Yield | NA | NA | NA | NA |
| Apiary | Indian bee | 5 | 5 | Size of Colony, Honey production | NA | NA | NA | NA |

**(iv) Fishery:**

| Enterprises | Breed | No. of farmers | No. of animals, poultry birds etc. | Performance parameters / indicators | * Data on parameter in relation to technology demonstrated | | % change in the parameter | Remarks |
|---|---|---|---|---|---|---|---|---|
| | | | | | Demon. | Local check | | |
| Fishery | IMC and Exotic carps | 5 | 3500 | Growth, total yield etc | NA | NA | NA | NA |
| Rice- Fish farming | IMC and Common Carp | 5 | 5000 | Rice yield, fish yield and income per ha | NA | NA | NA | NA |

**Extension and Training activities proposed under FLDs**

| No. | Activity | No. of activities | Tentative Date | Number of participants | Remarks |
|---|---|---|---|---|---|
| 1 | Training | 14 | April2012-March2013 | 350 | NA |
| 2 | Field day | 14 | Nov,2012, Feb, 2013 | 1400 | NA |
| 3 | Radio talk | 14 | April2012-March2013 | - | NA |
| 4 | Popular article | 28 | April2012-March2013 | - | NA |

**PART – III**

**(TRAINING PROGRAMMES)**

**3. Details of proposed training programmes (Including the sponsored and FLD training programmes )**

**Note: The proportion of SC and ST participants for all training programmes should match with their proportion in the population of the KVK district.**

**On Campus**

| Thematic area | Courses (No) | Topic | No. of participants | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Others | | | SC | | | ST | | | Grand Total |
| | | | Male | Female | Total | Male | Female | Total | Male | Female | Total | |
| **(A) Farmers & Farm Women** | | | | | | | | | | | | |
| **I Crop Production** | | | | | | | | | | | | |
| Weed Management | | | | | | | | | | | | |
| Nutrient Management | | | | | | | | | | | | |
| Resource Conservation Technologies | | | | | | | | | | | | |
| Cropping Systems | | | | | | | | | | | | |
| Crop Diversification | 1 | Productivity enhancement in pulse crops | 11 | 3 | 14 | 3 | 4 | 7 | 2 | 2 | 4 | 25 |
| Integrated Farming systems | | | | | | | | | | | | |
| Water management | 1 | Irrigation scheduling for efficient water management of winter vegetables | 10 | 4 | 14 | 3 | 2 | 5 | 3 | 3 | 6 | 25 |
| Seed production | 1 | Quality seed production in Field crops | 12 | 2 | 14 | 6 | 0 | 6 | 3 | 2 | 5 | 25 |
| Nursery management | | | | | | | | | | | | |
| Integrated Crop Management | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fodder production | | | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | | | |
| **II Horticulture** | | | | | | | | | | | | |
| **a**) Vegetable Crops | | | | | | | | | | | | |
| Production of low volume and high value crops | | | | | | | | | | | | |
| Off-season vegetables | | | | | | | | | | | | |
| Nursery raising | 1 | Nursery raising technique of some important winter vegetables | 12 | 2 | 14 | 6 | 0 | 6 | 3 | 2 | 5 | 25 |
| Exotic vegetables production | | | | | | | | | | | | |
| Production of export potential vegetables | 1 | Production techniques of high value vegetables | 10 | 4 | 14 | 3 | 2 | 5 | 3 | 3 | 6 | 25 |
| Grading and standardization | | | | | | | | | | | | |
| Protective cultivation (Green Houses, Shade Net etc.) | | | | | | | | | | | | |
| b**) Fruits** | | | | | | | | | | | | |
| Training | | | | | | | | | | | | |
| Pruning | | | | | | | | | | | | |
| Layout and Management of Orchards | 1 | Planning, layout and management practices of Orchard | 14 | 6 | 20 | 1 | 2 | 3 | 1 | 1 | 2 | 25 |
| Cultivation of Fruit crops | | | | | | | | | | | | |
| Management of young plants/orchards | | | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cultivation of export potential fruits | | | | | | | | | | | | |
| Micro irrigation systems of orchards | | | | | | | | | | | | |
| Plant propagation techniques | 1 | Propagation techniques of some high value fruit crops | 15 | 5 | 20 | 2 | 1 | 3 | 1 | 1 | 2 | 25 |
| c) **Ornamental Plants** | | | | | | | | | | | | |
| Nursery Management | | | | | | | | | | | | |
| Management of potted plants | | | | | | | | | | | | |
| Production of export potential ornamental plants | | | | | | | | | | | | |
| Propagation techniques of Ornamental Plants | 1 | Nursery management and Propagation techniques of Ornamental plants | 10 | 4 | 14 | 3 | 2 | 5 | 3 | 3 | 6 | 25 |
| **d) Plantation crops** | | | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | | | |
| e) Tuber crops | | | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | | | |
| f) Spices | | | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **g) Medicinal and Aromatic Plants** | | | | | | | | | | | | |
| Nursery management | | | | | | | | | | | | |
| Production and management technology | | | | | | | | | | | | |
| Post harvest technology and value addition | | | | | | | | | | | | |
| **III Soil Health and Fertility Management** | | | | | | | | | | | | |
| Soil fertility management | 1 | Role of Green manuring crops in soil fertility management | 14 | 6 | 20 | 1 | 2 | 3 | 1 | 1 | 2 | 25 |
| Soil and Water Conservation | 1 | Soil and water conservation by using different mulching material | 10 | 0 | 10 | 8 | 0 | 8 | 7 | 0 | 7 | 25 |
| Integrated Nutrient Management | 1 | Integrated nutrient management in Sali rice | 12 | 1 | 13 | 2 | 1 | 3 | 5 | 4 | 9 | 25 |
| Production and use of organic inputs | 1 | Compost preparation by using locally available material | 8 | 0 | 8 | 12 | 0 | 12 | 5 | 0 | 5 | 25 |
| Management of Problematic soils | | | | | | | | | | | | |
| Micro nutrient deficiency in crops | | | | | | | | | | | | |
| Nutrient Use Efficiency | | | | | | | | | | | | |
| Soil and Water Testing | | | | | | | | | | | | |
| **IV Livestock Production and Management** | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dairy Management | 1 | Scientific management of dairy cow | 15 | 5 | 20 | 2 | 1 | 3 | 1 | 1 | 2 | 25 |
| Poultry Management | 1 | Scientific Layer farming | 10 | 5 | 15 | 2 | 2 | 4 | 3 | 3 | 6 | 25 |
| Piggery Management | 1 | Scientific management of pigs | 15 | 5 | 20 | 2 | 1 | 3 | 1 | 1 | 2 | 25 |
| Rabbit Management | | | | | | | | | | | | |
| Disease Management | 1 | Common diseases of milch cow | 12 | 1 | 13 | 2 | 1 | 3 | 5 | 4 | 9 | 25 |
| Feed management | | | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | | | |
| **V Home Science/Women empowerment** | | | | | | | | | | | | |
| Household food security by nutrition gardening | | | | | | | | | | | | |
| Design and development of low/minimum cost diet | | | | | | | | | | | | |
| Designing and development for high nutrient efficiency diet | | | | | | | | | | | | |
| Minimization of nutrient loss in processing | | | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | | | |
| Storage loss minimization techniques | | | | | | | | | | | | |
| Value addition | 1 | Preparation of value added products (Artificial flower and doll making, screen printing, tie and dye) | 10 | 5 | 15 | 2 | 2 | 4 | 3 | 3 | 6 | 25 |
| Income generation activities for empowerment of rural Women | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Location specific drudgery reduction technologies | | | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | | | |
| Women and child care | | | | | | | | | | | | |
| **VI Agricultural Engineering** | | | | | | | | | | | | |
| Installation and maintenance of micro irrigation systems | | | | | | | | | | | | |
| Use of Plastics in farming practices | | | | | | | | | | | | |
| Production of small tools and implements | | | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | | | |
| Small scale processing and value addition | | | | | | | | | | | | |
| Post Harvest Technologies | | | | | | | | | | | | |
| **VII Plant Protection** | | | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | | | |
| Disease Management | | | | | | | | | | | | |
| Bio-control of pests and diseases | | | | | | | | | | | | |
| Production of bio control agents and bio pesticides | 1 | Production technology of Trichoderma and Trichogramma as biocontrol agent | 15 | 0 | 15 | 5 | 0 | 5 | 5 | 0 | 5 | 25 |
| **VIII Fisheries** | | | | | | | | | | | | |
| Integrated fish farming | 2 | Integrated fish cum live stock farming | 30 | 0 | 30 | 10 | 0 | 10 | 10 | 0 | 10 | 50 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Carp breeding and hatchery management | | | | | | | | | | | | |
| Carp fry and fingerling rearing | | | | | | | | | | | | |
| Composite fish culture | | | | | | | | | | | | |
| Hatchery management and culture of freshwater prawn | | | | | | | | | | | | |
| Breeding and culture of ornamental fishes | | | | | | | | | | | | |
| Portable plastic carp hatchery | | | | | | | | | | | | |
| Pen culture of fish and prawn | | | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | | | |
| Edible oyster farming | | | | | | | | | | | | |
| Pearl culture | | | | | | | | | | | | |
| Fish processing and value addition | | | | | | | | | | | | |
| IX Production of Inputs at site | | | | | | | | | | | | |
| Seed Production | | | | | | | | | | | | |
| Planting material production | | | | | | | | | | | | |
| Bio-agents production | | | | | | | | | | | | |
| Bio-pesticides production | | | | | | | | | | | | |
| Bio-fertilizer production | | | | | | | | | | | | |
| Vermicompost production | | | | | | | | | | | | |
| Other Organic manures production | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Production of fry and fingerlings | | | | | | | | | | | | |
| Production of Bee-colonies and wax sheets | | | | | | | | | | | | |
| Small tools and implements | | | | | | | | | | | | |
| Production of livestock feed and fodder | | | | | | | | | | | | |
| Production of Fish feed | | | | | | | | | | | | |
| **X Capacity Building and Group Dynamics** | | | | | | | | | | | | |
| Leadership development in villages | | | | | | | | | | | | |
| Managing Group dynamics | | | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | | | |
| Mobilization of social capital in villages | | | | | | | | | | | | |
| Entrepreneurial development of farmers/youths | | | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | | | |
| **XI Agro-forestry** | | | | | | | | | | | | |
| Production technologies | | | | | | | | | | | | |
| Nursery management | | | | | | | | | | | | |
| Integrated Farming Systems | | | | | | | | | | | | |
| **XII Others (Pl. Specify)** | | | | | | | | | | | | |
| **TOTAL** | **20** | | | | | | | | | | | |
| **(B) RURAL YOUTH** | | | | | | | | | | | | |
| Mushroom Production | 1 | Commercial production of Mushroom for self | 5 | 5 | 10 | 5 | 3 | 8 | 4 | 3 | 7 | 25 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | employment | | | | | | | | | | |
| Bee-keeping | 1 | Commercial rearing of Honey bee for self employment | 10 | 0 | 10 | 8 | 0 | 8 | 7 | 0 | 7 | 25 |
| Integrated farming | | | | | | | | | | | | |
| Seed production | | | | | | | | | | | | |
| Production of organic inputs | 1 | Production technology of Organic inputs (Compost, Vermicompost, Azolla) | 5 | 5 | 10 | 5 | 3 | 8 | 4 | 3 | 7 | 25 |
| Integrated Farming | | | | | | | | | | | | |
| Planting material production | 1 | Planting material production of some important fruit crops | 10 | 5 | 15 | 2 | 2 | 4 | 3 | 3 | 6 | 25 |
| Vermiculture | | | | | | | | | | | | |
| Sericulture | | | | | | | | | | | | |
| Protected cultivation of vegetable crops | 1 | Protected cultivation of Capsicum and Cucumber under Polyhouse | 12 | 5 | 17 | 3 | 3 | 6 | 1 | 1 | 2 | 25 |
| Commercial fruit production | | | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | | | |
| Nursery Management of Horticulture crops | | | | | | | | | | | | |
| Training and pruning of orchards | | | | | | | | | | | | |
| Value addition | | | | | | | | | | | | |
| Production of quality animal products | 1 | Value addition of milk | 10 | 5 | 15 | 2 | 2 | 4 | 3 | 3 | 6 | 25 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | and milk products | | | | | | | | | | |
| Dairying | | | | | | | | | | | | |
| Sheep and goat rearing | | | | | | | | | | | | |
| Quail farming | | | | | | | | | | | | |
| Piggery | | | | | | | | | | | | |
| Rabbit farming | | | | | | | | | | | | |
| Poultry production | 1 | Commercial Boiler production | 5 | 5 | 10 | 6 | 2 | 8 | 4 | 3 | 7 | 25 |
| Ornamental fisheries | 1 | Scope and potential of ornamental fisheries and fabrication of Aquarium | 10 | 5 | 15 | 2 | 2 | 4 | 3 | 3 | 6 | 25 |
| Training as Para vets | | | | | | | | | | | | |
| Training as Para extension workers | | | | | | | | | | | | |
| Composite fish culture | 1 | Six species combination of fishes and water management in Composite fish culture | 30 | 0 | 30 | 10 | 0 | 10 | 10 | 0 | 10 | 50 |
| Freshwater prawn culture | | | | | | | | | | | | |
| Fish harvest and processing technology | | | | | | | | | | | | |
| Fry and fingerling rearing | | | | | | | | | | | | |
| Small scale processing | | | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | | | |
| Tailoring and Stitching | 1 | Cutting and knitting of Baby and Women garments | 10 | 5 | 15 | 2 | 2 | 4 | 3 | 3 | 6 | 25 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rural Crafts | 1 | Preparation of low cost decorative items | 0 | 8 | 8 | 0 | 10 | 10 | 0 | 7 | 7 | 25 |
| **TOTAL** | **11** | | | | | | | | | | | |
| **(C) Extension Personnel** | | | | | | | | | | | | |
| Productivity enhancement in field crops | | | | | | | | | | | | |
| Integrated Pest Management | 1 | Integrated Pest management in Sali rice | 12 | 0 | 12 | 5 | 0 | 5 | 8 | 0 | 8 | 25 |
| Integrated Nutrient management | 1 | Integrated Nutrient management in Sali rice | 5 | 5 | 10 | 6 | 2 | 8 | 4 | 3 | 7 | 25 |
| Rejuvenation of old orchards | | | | | | | | | | | | |
| Protected cultivation technology | | | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | | | |
| Group Dynamics and farmers organizations | | | | | | | | | | | | |
| Information networking among farmers | | | | | | | | | | | | |
| Capacity building for ICT application | 1 | Use and application of ICT in Agriculture | 10 | 6 | 16 | 3 | 4 | 7 | 0 | 2 | 2 | 25 |
| Care and maintenance of farm machinery and implements | | | | | | | | | | | | |
| WTO and IPR issues | 2 | Protection of plant varieties and farmer's right | 30 | 0 | 30 | 10 | 0 | 10 | 10 | 0 | 10 | 50 |
| Management in farm animals | 1 | Management of disease in farm animals | 10 | 5 | 15 | 2 | 2 | 4 | 3 | 3 | 6 | 25 |
| Livestock feed and fodder production | | | | | | | | | | | | |
| Household food security | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Women and Child care | | | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | | | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | | | |
| **Total** | **6** | | | | | | | | | | | |
| **GRAND TOTAL** | **37** | | **404** | **122** | **526** | **141** | **60** | **201** | **127** | **71** | **198** | **925** |

**Off Campus**

| **Thematic area** | **Courses (No)** | **Topic** | **No. of participants** | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **Others** | | | **SC** | | | **ST** | | | **Grand Total** |
| | | | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | |
| **(A) Farmers & Farm Women** | | | | | | | | | | | | |
| **I Crop Production** | | | | | | | | | | | | |
| Weed Management | | | | | | | | | | | | |
| Nutrient Management | | | | | | | | | | | | |
| Resource Conservation Technologies | | | | | | | | | | | | |
| Cropping Systems | | | | | | | | | | | | |
| Crop Diversification | | | | | | | | | | | | |
| Integrated Farming systems | | | | | | | | | | | | |
| Water management | 2 | i) Water management in Toria<br><br>ii) Water management in | 30 | 0 | 30 | 10 | 0 | 10 | 10 | 0 | 10 | 50 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Boro rice | | | | | | | | | | |
| Seed production | 1 | Quality seed production in Sali rice and safe storage of seeds | 12 | 2 | 14 | 6 | 0 | 6 | 3 | 2 | 5 | 25 |
| Nursery management | 1 | Nursery management technique of Transplanted Ahu and Boro rice | 12 | 5 | 17 | 3 | 3 | 6 | 1 | 1 | 2 | 25 |
| Integrated Crop Management | 1 | Management practices in Sugarcane | 12 | 5 | 17 | 3 | 3 | 6 | 1 | 1 | 2 | 25 |
| Fodder production | 1 | Round the year fodder production for increased productivity of live stock | 12 | 2 | 14 | 6 | 0 | 6 | 3 | 2 | 5 | 25 |
| Production of organic inputs | | | | | | | | | | | | |
| II Horticulture | | | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | | | |
| Production of low volume and high value crops | | | | | | | | | | | | |
| Off-season vegetables | | | | | | | | | | | | |
| Nursery raising | | | | | | | | | | | | |
| Exotic vegetables production | | | | | | | | | | | | |
| Production of export potential vegetables | | | | | | | | | | | | |
| Grading and standardization | | | | | | | | | | | | |
| Protective cultivation (Green Houses, Shade Net etc.) | | | | | | | | | | | | |
| **b) Fruits** | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Training | | | | | | | | | | | | |
| Pruning | | | | | | | | | | | | |
| Layout and Management of Orchards | | | | | | | | | | | | |
| Cultivation of Fruit crops | 1 | Commercial cultivation of Assam lemon | 14 | 6 | 20 | 1 | 2 | 3 | 1 | 1 | 2 | 25 |
| Management of young plants/orchards | | | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | | | |
| Cultivation of export potential fruits | | | | | | | | | | | | |
| Micro irrigation systems of orchards | | | | | | | | | | | | |
| Plant propagation techniques | | | | | | | | | | | | |
| **c) Ornamental Plants** | | | | | | | | | | | | |
| Nursery Management | | | | | | | | | | | | |
| Management of potted plants | | | | | | | | | | | | |
| Production of export potential ornamental plants | | | | | | | | | | | | |
| Propagation techniques of Ornamental Plants | | | | | | | | | | | | |
| **d) Plantation crops** | | | | | | | | | | | | |
| Production and Management technology | 1 | Scientific method of cultivation of Plantation crops | 9 | 5 | 14 | 5 | 3 | 8 | 2 | 1 | 3 | 25 |
| Processing and value addition | | | | | | | | | | | | |
| **e) Tuber crops** | | | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Processing and value addition | | | | | | | | | | | | |
| **f) Spices** | | | | | | | | | | | | |
| Production and Management technology | 1 | Commercial cultivation of Turmeric | 14 | 6 | 20 | 1 | 2 | 3 | 1 | 1 | 2 | 25 |
| Processing and value addition | | | | | | | | | | | | |
| **g) Medicinal and Aromatic Plants** | | | | | | | | | | | | |
| Nursery management | 1 | Raising and management of nursery for some important medicinal and aromatic crops | 12 | 5 | 17 | 3 | 3 | 6 | 1 | 1 | 2 | 25 |
| Production and management technology | | | | | | | | | | | | |
| Post harvest technology and value addition | | | | | | | | | | | | |
| **III Soil Health and Fertility Management** | | | | | | | | | | | | |
| Soil fertility management | 1 | Soil testing and fertility management | 12 | 0 | 12 | 5 | 0 | 5 | 8 | 0 | 8 | 25 |
| Soil and Water Conservation | 1 | Soil and water conservation using black polythene mulch in high value Horticultural crops. | 10 | 5 | 15 | 3 | 3 | 6 | 2 | 2 | 4 | 25 |
| Integrated Nutrient Management | 2 | i) Integrated Nutrient Management in Citrus<br><br>ii) Integrated Nutrient Management in Pulses | 30 | 0 | 30 | 10 | 0 | 10 | 10 | 0 | 10 | 50 |
| Production and use of organic inputs | 1 | Azolla cultivation technology | 10 | 0 | 10 | 5 | 0 | 5 | 10 | 0 | 10 | 25 |
| Management of Problematic soils | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Micro nutrient deficiency in crops | | | | | | | | | | | | |
| Nutrient Use Efficiency | | | | | | | | | | | | |
| Soil and Water Testing | | | | | | | | | | | | |
| **IV Livestock Production and Management** | | | | | | | | | | | | |
| Dairy Management | 1 | Scientific management of Dairy cow | 5 | 5 | 10 | 6 | 2 | 8 | 4 | 3 | 7 | 25 |
| Poultry Management | 1 | Rearing improved dual purpose bird in low input production system | 12 | 5 | 17 | 3 | 3 | 6 | 1 | 1 | 2 | 25 |
| Piggery Management | 1 | Scientific management of Pig | 10 | 5 | 15 | 3 | 3 | 6 | 2 | 2 | 4 | 25 |
| Rabbit Management | | | | | | | | | | | | |
| Disease Management | 1 | Common diseases of milch cow | 5 | 5 | 10 | 6 | 2 | 8 | 4 | 3 | 7 | 25 |
| Feed management | | | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | | | |
| **V Home Science/Women empowerment** | | | | | | | | | | | | |
| Household food security by nutrition gardening | | | | | | | | | | | | |
| Design and development of low/minimum cost diet | | | | | | | | | | | | |
| Designing and development for high nutrient efficiency diet | | | | | | | | | | | | |
| Minimization of nutrient loss in processing | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gender mainstreaming through SHGs | | | | | | | | | | | | |
| Storage loss minimization techniques | | | | | | | | | | | | |
| Value addition | 1 | Preparation of squash and pickle from locally available fruits and vegetables | 0 | 8 | 8 | 0 | 10 | 10 | 0 | 7 | 7 | 25 |
| Income generation activities for empowerment of rural Women | 1 | Screen printing | 10 | 5 | 15 | 2 | 2 | 4 | 3 | 3 | 6 | 25 |
| Location specific drudgery reduction technologies | 1 | Improved storage structure for Rice | 0 | 10 | 10 | 0 | 10 | 10 | 0 | 5 | 5 | 25 |
| Rural Crafts | | | | | | | | | | | | |
| Women and child care | 1 | Common behavioral problems during early childhood | 0 | 8 | 8 | 0 | 12 | 12 | 0 | 5 | 5 | 25 |
| **VI Agricultural Engineering** | | | | | | | | | | | | |
| Installation and maintenance of micro irrigation systems | | | | | | | | | | | | |
| Use of Plastics in farming practices | | | | | | | | | | | | |
| Production of small tools and implements | | | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | | | |
| Small scale processing and value addition | | | | | | | | | | | | |
| Post Harvest Technologies | | | | | | | | | | | | |
| **VII Plant Protection** | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Integrated Pest Management | 2 | i)Integrated pest management in Ahu rice<br><br>ii) Integrated pest management in Sali rice | 30 | 0 | 30 | 10 | 0 | 10 | 10 | 0 | 10 | 50 |
| Disease Management | 1 | Management of fungal, bacterial and viral diseases in chilli | 10 | 0 | 10 | 5 | 5 | 10 | 5 | 0 | 5 | 25 |
| Bio-control of pests and diseases | 2 | i)Biocontrol of pest and diseases in Black pepper and Betel vine<br><br>ii) Biocontrol of pest and diseases in Turmeric | 25 | 0 | 25 | 10 | 5 | 15 | 10 | 0 | 10 | 50 |
| Production of bio control agents and bio pesticides | 1 | Application of Biocontrol agents | 10 | 0 | 10 | 5 | 0 | 5 | 5 | 5 | 10 | 25 |
| **VIII Fisheries** | | | | | | | | | | | | |
| Integrated fish farming | 1 | Integrated fish cum live stock farming | 12 | 0 | 12 | 5 | 0 | 5 | 8 | 0 | 8 | 25 |
| Carp breeding and hatchery management | 1 | Breeding and hatchery management of Indian Carps | 10 | 0 | 10 | 5 | 0 | 5 | 5 | 5 | 10 | 25 |
| Carp fry and fingerling rearing | | | | | | | | | | | | |
| Composite fish culture | 3 | Feed and feeding management in Composite fish culture | 45 | 0 | 45 | 15 | 0 | 15 | 15 | 0 | 15 | 75 |
| Hatchery management and culture of freshwater prawn | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Breeding and culture of ornamental fishes | | | | | | | | | | | | |
| Portable plastic carp hatchery | | | | | | | | | | | | |
| Pen culture of fish and prawn | | | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | | | |
| Edible oyster farming | | | | | | | | | | | | |
| Pearl culture | | | | | | | | | | | | |
| Fish processing and value addition | | | | | | | | | | | | |
| **IX Production of Inputs at site** | | | | | | | | | | | | |
| Seed Production | | | | | | | | | | | | |
| Planting material production | | | | | | | | | | | | |
| Bio-agents production | | | | | | | | | | | | |
| Bio-pesticides production | | | | | | | | | | | | |
| Bio-fertilizer production | | | | | | | | | | | | |
| Vermicompost production | | | | | | | | | | | | |
| Other Organic manures production | | | | | | | | | | | | |
| Production of fry and fingerlings | | | | | | | | | | | | |
| Production of Bee-colonies and wax sheets | | | | | | | | | | | | |
| Small tools and implements | | | | | | | | | | | | |
| Production of livestock feed and fodder | | | | | | | | | | | | |
| Production of Fish feed | | | | | | | | | | | | |
| **X Capacity Building and Group** | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Dynamics** | | | | | | | | | | | | |
| Leadership development in villages | | | | | | | | | | | | |
| Managing Group dynamics | | | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | | | |
| Mobilization of social capital in villages | | | | | | | | | | | | |
| Entrepreneurial development of farmers/youths | | | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | | | |
| **XI Agro-forestry** | | | | | | | | | | | | |
| Production technologies | | | | | | | | | | | | |
| Nursery management | | | | | | | | | | | | |
| Integrated Farming Systems | | | | | | | | | | | | |
| **XII Others (Pl. Specify)** | | | | | | | | | | | | |
| **TOTAL** | **34** | | | | | | | | | | | |
| **(B) RURAL YOUTH** | | | | | | | | | | | | |
| Mushroom Production | | | | | | | | | | | | |
| Bee-keeping | | | | | | | | | | | | |
| Integrated farming | | | | | | | | | | | | |
| Seed production | | | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | | | |
| Integrated Farming | | | | | | | | | | | | |
| Planting material production | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Vermiculture | | | | | | | | | | | | |
| Sericulture | | | | | | | | | | | | |
| Protected cultivation of vegetable crops | | | | | | | | | | | | |
| Commercial fruit production | | | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | | | |
| Nursery Management of Horticulture crops | | | | | | | | | | | | |
| Training and pruning of orchards | | | | | | | | | | | | |
| Value addition | 1 | Preparation of squash and pickle from locally available fruits and vegetables | 0 | 10 | 10 | 0 | 10 | 10 | 0 | 5 | 5 | 25 |
| Production of quality animal products | | | | | | | | | | | | |
| Dairying | | | | | | | | | | | | |
| Sheep and goat rearing | | | | | | | | | | | | |
| Quail farming | | | | | | | | | | | | |
| Piggery | | | | | | | | | | | | |
| Rabbit farming | | | | | | | | | | | | |
| Poultry production | 1 | Commercial Boiler production | 5 | 10 | 15 | 3 | 3 | 6 | 1 | 3 | 4 | 25 |
| Ornamental fisheries | 1 | Scope and potential of ornamental fisheries and fabrication of Aquarium | 5 | 5 | 10 | 10 | 0 | 10 | 0 | 5 | 5 | 25 |
| Training as Para vets | | | | | | | | | | | | |
| Training as Para extension workers | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Composite fish culture | 2 | ii) Fish health management in Composite fish culture iii) Dos and Don'ts in Composite fish culture | 0 | 20 | 20 | 0 | 20 | 20 | 0 | 10 | 10 | 50 |
| Freshwater prawn culture | | | | | | | | | | | | |
| Fish harvest and processing technology | | | | | | | | | | | | |
| Fry and fingerling rearing | | | | | | | | | | | | |
| Small scale processing | | | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | | | |
| Tailoring and Stitching | | | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | | | |
| **TOTAL** | **5** | | | | | | | | | | | |
| **(C) Extension Personnel** | | | | | | | | | | | | |
| Productivity enhancement in field crops | | | | | | | | | | | | |
| Integrated Pest Management | 1 | Integrated pest management in Boro Rice | 10 | 0 | 10 | 8 | 0 | 8 | 7 | 0 | 7 | 25 |
| Integrated Nutrient management | | | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | | | |
| Protected cultivation technology | | | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | | | |
| Group Dynamics and farmers organizations | | | | | | | | | | | | |
| Information networking among farmers | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Capacity building for ICT application | | | | | | | | | | | | |
| Care and maintenance of farm machinery and implements | | | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | | | |
| Management in farm animals | | | | | | | | | | | | |
| Livestock feed and fodder production | | | | | | | | | | | | |
| Household food security | | | | | | | | | | | | |
| Women and Child care | | | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | | | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | | | |
| Any other (Pl. Specify)<br><br>Fisheries | 1 | Recent advances in fish health management | 10 | 0 | 10 | 8 | 0 | 8 | 7 | 0 | 7 | 25 |
| **TOTAL** | **2** | | | | | | | | | | | |
| **GRAND TOTAL** | **41** | | 423 | 117 | 540 | 185 | 86 | 271 | 140 | 74 | 214 | 1025 |

**Consolidated table (On + Off + Sponsored + Vocational)**

| Thematic area | Courses (No) | Topic | No. of participants | | | | | | | | | Grand Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Others | | | SC | | | ST | | | |
| | | | Male | Female | Total | Male | Female | Total | Male | Female | Total | |
| **(A) Farmers & Farm Women** | | | | | | | | | | | | |
| **I Crop Production** | | | | | | | | | | | | |
| Weed Management | | | | | | | | | | | | |
| Nutrient Management | | | | | | | | | | | | |
| Resource Conservation Technologies | | | | | | | | | | | | |
| Cropping Systems | | | | | | | | | | | | |
| Crop Diversification | 1 | Productivity enhancement in pulse crops (On farm,. 2 d) | 11 | 3 | 14 | 3 | 4 | 7 | 2 | 2 | 4 | 25 |
| Integrated Farming systems | | | | | | | | | | | | |
| Water management | 3 | i)Irrigation scheduling for efficient water management of winter vegetables (On farm,. 2 d)<br><br>ii) Water management in Toria (off- farm, 1 d)<br><br>iii) Water management in Boro rice (Off –farm, 1d) | 10 | 4 | 14 | 5 | 2 | 7 | 3 | 1 | 4 | 25 |
| Seed production | 2 | i)Quality seed production in Field crops (On farm,. 2 d)<br><br>ii)Quality seed production in Sali rice and safe storage of seeds (Off farm, 1 d) | 24 | 4 | 28 | 12 | 0 | 12 | 6 | 4 | 10 | 50 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nursery management | 1 | Nursery management technique of Transplanted Ahu and Boro rice (Off farm, 1 d) | 15 | 5 | 20 | 2 | 1 | 3 | 1 | 1 | 2 | 25 |
| Integrated Crop Management | 1 | Management practices in Sugarcane (Off farm, 1 d) | 12 | 5 | 17 | 3 | 3 | 6 | 1 | 1 | 2 | 25 |
| Fodder production | 1 | Round the year fodder production for increased productivity of live stock (Off farm, 1 d) | 12 | 2 | 14 | 6 | 0 | 6 | 3 | 2 | 5 | 25 |
| Production of organic inputs | | | | | | | | | | | | |
| **II Horticulture** | | | | | | | | | | | | |
| **a**) Vegetable Crops | | | | | | | | | | | | |
| Production of low volume and high value crops | | | | | | | | | | | | |
| Off-season vegetables | | | | | | | | | | | | |
| Nursery raising | 1 | Nursery raising technique of some important winter vegetables (On farm,. 2 d) | 12 | 2 | 14 | 6 | 0 | 6 | 3 | 2 | 5 | 25 |
| Exotic vegetables production | | | | | | | | | | | | |
| Production of export potential vegetables | 1 | Production techniques of high value vegetables (On farm,. 2 d) | 12 | 5 | 17 | 3 | 3 | 6 | 1 | 1 | 2 | 25 |
| Grading and standardization | | | | | | | | | | | | |
| Protective cultivation (Green Houses, Shade Net etc.) | | | | | | | | | | | | |
| b**) Fruits** | | | | | | | | | | | | |
| Training | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pruning | | | | | | | | | | | | |
| Layout and Management of Orchards | 1 | Planning, layout and management practices of Orchard (On farm,. 2 d) | 14 | 6 | 20 | 1 | 2 | 3 | 1 | 1 | 2 | 25 |
| Cultivation of Fruit crops | 1 | Commercial cultivation of Assam lemon (Off farm, 1d) | 14 | 6 | 20 | 1 | 2 | 3 | 1 | 1 | 2 | 25 |
| Management of young plants/orchards | | | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | | | |
| Cultivation of export potential fruits | | | | | | | | | | | | |
| Micro irrigation systems of orchards | | | | | | | | | | | | |
| Plant propagation techniques | 1 | Propagation techniques of some high value fruit crops (On farm,. 2 d) | 15 | 5 | 20 | 2 | 1 | 3 | 1 | 1 | 2 | 25 |
| c) **Ornamental Plants** | | | | | | | | | | | | |
| Nursery Management | | | | | | | | | | | | |
| Management of potted plants | | | | | | | | | | | | |
| Production of export potential ornamental plants | | | | | | | | | | | | |
| Propagation techniques of Ornamental Plants | 1 | Nursery management and Propagation techniques of Ornamental plants (On farm,. 2 d) | | | | | | | | | | |
| **d) Plantation crops** | | | | | | | | | | | | |
| Production and Management technology | 1 | Scientific method of cultivation of Plantation crops (Off farm, 1 d) | 9 | 5 | 14 | 5 | 3 | 8 | 2 | 1 | 3 | 25 |
| Processing and value addition | | | | | | | | | | | | |
| e) Tuber crops | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Production and Management technology | | | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | | | |
| **f) Spices** | | | | | | | | | | | | |
| Production and Management technology | 1 | Commercial cultivation of Turmeric (Off farm, 1 d) | 14 | 6 | 20 | 1 | 2 | 3 | 1 | 1 | 2 | 25 |
| Processing and value addition | | | | | | | | | | | | |
| **g) Medicinal and Aromatic Plants** | | | | | | | | | | | | |
| Nursery management | 1 | Raising and management of nursery for some important medicinal and aromatic crops (Off farm, 1 d) | 12 | 5 | 17 | 3 | 3 | 6 | 1 | 1 | 2 | 25 |
| Production and management technology | | | | | | | | | | | | |
| Post harvest technology and value addition | | | | | | | | | | | | |
| **III Soil Health and Fertility Management** | | | | | | | | | | | | |
| Soil fertility management | 2 | i)Role of Green manuring crops in soil fertility management (On farm,. 2 d)<br><br>ii) Soil testing and fertility management (Off farm, 1 d) | 23 | 4 | 27 | 6 | 2 | 8 | 6 | 9 | 15 | 50 |
| Soil and Water Conservation | 2 | i)Soil and water conservation by using different mulching material (On farm,. 1 d)<br><br>ii) Soil and water conservation using black polythene mulch in high value Horticultural crops (Off | 20 | 5 | 25 | 7 | 3 | 10 | 13 | 2 | 15 | 50 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | farm,.1 d) | | | | | | | | | | |
| Integrated Nutrient Management | 3 | i)Integrated nutrient management in Sali rice (On farm,. 1 d)<br><br>ii) Integrated nutrient management in Citrus (Off farm,. 1 d)<br><br>iii) Integrated nutrient management in Pulses (Off farm,. 1 d) | 42 | 1 | 43 | 12 | 1 | 13 | 15 | 4 | 19 | 75 |
| Production and use of organic inputs | 2 | i)Compost preparation by using locally available material (On farm,. 2 d)<br><br>ii) Azolla Cultivation Technology (Off farm,. 1 d) | 18 | 0 | 18 | 17 | 5 | 22 | 5 | 5 | 10 | 50 |
| Management of Problematic soils | | | | | | | | | | | | |
| Micro nutrient deficiency in crops | | | | | | | | | | | | |
| Nutrient Use Efficiency | | | | | | | | | | | | |
| Soil and Water Testing | | | | | | | | | | | | |
| **IV Livestock Production and Management** | | | | | | | | | | | | |
| Dairy Management | 2 | i)Scientific management of dairy cow (On farm,. 1 d)<br><br>ii) Scientific management of dairy cow (Off farm,. 1 d) | 20 | 10 | 30 | 8 | 3 | 11 | 5 | 4 | 9 | 50 |
| Poultry Management | 2 | i)Scientific Layer farming (On farm,. 2 d)<br><br>ii) Rearing improved dual purpose bird in low input production system (Off | 22 | 8 | 30 | 5 | 5 | 10 | 7 | 3 | 10 | 50 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | farm,. 1 d) | | | | | | | | | | |
| Piggery Management | 2 | i)Scientific management of pigs (Off farm,. 1 d)<br><br>ii)Scientific management of pigs (On farm,. 2 d) | 20 | 10 | 30 | 6 | 4 | 10 | 7 | 3 | 10 | 50 |
| Rabbit Management | | | | | | | | | | | | |
| Disease Management | 2 | i)Common diseases of milch cow (On farm,. 1 d)<br><br>ii) Common diseases of milch cow (Off farm,. 1 d) | 17 | 6 | 23 | 8 | 3 | 11 | 9 | 7 | 16 | 50 |
| Feed management | | | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | | | |
| **V Home Science/Women empowerment** | | | | | | | | | | | | |
| Household food security by nutrition gardening | | | | | | | | | | | | |
| Design and development of low/minimum cost diet | | | | | | | | | | | | |
| Designing and development for high nutrient efficiency diet | | | | | | | | | | | | |
| Minimization of nutrient loss in processing | | | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | | | |
| Storage loss minimization techniques | | | | | | | | | | | | |
| Value addition | 2 | i)Preparation of value added products (Artificial flower and doll making, screen printing, tie and dye)- (On | 10 | 13 | 23 | 2 | 12 | 14 | 3 | 10 | 13 | 50 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | farm,. 3 d)<br><br>ii) Preparation of squash and pickle from locally available fruits and vegetables (Off farm,. 1 d) | | | | | | | | | | |
| Income generation activities for empowerment of rural Women | 1 | Screen printing<br><br>(Off farm,. 1 d) | 10 | 5 | 15 | 2 | 2 | 4 | 3 | 3 | 6 | 25 |
| Location specific drudgery reduction technologies | 1 | Improved storage structure for Rice (Off farm,. 1 d) | 0 | 10 | 10 | 0 | 10 | 10 | 0 | 5 | 5 | 25 |
| Rural Crafts | | | | | | | | | | | | |
| Women and child care | 1 | Common behavioral problems during early childhood (Off farm,. 1 d) | 0 | 8 | 8 | 0 | 12 | 12 | 0 | 5 | 5 | 25 |
| **VI Agricultural Engineering** | | | | | | | | | | | | |
| Installation and maintenance of micro irrigation systems | | | | | | | | | | | | |
| Use of Plastics in farming practices | | | | | | | | | | | | |
| Production of small tools and implements | | | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | | | |
| Small scale processing and value addition | | | | | | | | | | | | |
| Post Harvest Technologies | | | | | | | | | | | | |
| **VII Plant Protection** | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Integrated Pest Management | 2 | i)Integrated Pest Management in Sali Rice (Off farm,. 1 d)<br><br>ii) Integrated Pest Management in Ahu Rice (Off farm,. 1 d) | 10 | 13 | 23 | 2 | 12 | 14 | 3 | 10 | 13 | 50 |
| Disease Management | 1 | Management of fungal, bacterial and viral diseases in chilli (Off farm,. 1 d) | 10 | 5 | 15 | 2 | 2 | 4 | 3 | 3 | 6 | 25 |
| Bio-control of pests and diseases | 2 | i)Bio control of pest and diseases in Black pepper and Betel vine (Off farm,. 1 d)<br><br>ii) Bio control of pest and diseases in turmeric (Off farm,. 1 d) | 25 | 0 | 25 | 10 | 5 | 15 | 10 | 0 | 10 | 50 |
| Production of bio control agents and bio pesticides | 2 | i)Production technology of Trichoderma and Trichogramma as biocontrol agent (On farm,. 2 d)<br><br>ii) Application of biocontrol agent (Off farm,. 1 d) | 25 | 0 | 25 | 12 | 5 | 17 | 6 | 2 | 8 | 50 |
| **VIII Fisheries** | | | | | | | | | | | | |
| Integrated fish farming | 3 | i) Integrated fish cum live stock farming (On farm,. 2 d)<br><br>ii) Integrated fish cum live stock farming (On farm,. 2 d)<br><br>iii) Integrated fish cum live stock farming (Off farm,. 1 d) | 42 | 0 | 42 | 15 | 0 | 15 | 18 | 0 | 18 | 75 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Carp breeding and hatchery management | 1 | Breeding and hatchery management of Indian Carps (Off farm,. 1 d) | 10 | 0 | 10 | 5 | 0 | 5 | 5 | 5 | 10 | 25 |
| Carp fry and fingerling rearing | | | | | | | | | | | | |
| Composite fish culture | 3 | i)Feed and feeding management in Composite fish culture (Off farm,. 1 d)<br><br>ii) Feed and feeding management in Composite fish culture (Off farm,. 1 d)<br><br>iii) Feed and feeding management in Composite fish culture (Off farm,. 1 d) | 45 | 0 | 45 | 15 | 0 | 15 | 15 | 0 | 15 | 75 |
| Hatchery management and culture of freshwater prawn | | | | | | | | | | | | |
| Breeding and culture of ornamental fishes | | | | | | | | | | | | |
| Portable plastic carp hatchery | | | | | | | | | | | | |
| Pen culture of fish and prawn | | | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | | | |
| Edible oyster farming | | | | | | | | | | | | |
| Pearl culture | | | | | | | | | | | | |
| Fish processing and value addition | | | | | | | | | | | | |
| IX Production of Inputs at site | | | | | | | | | | | | |
| Seed Production | | | | | | | | | | | | |
| Planting material production | | | | | | | | | | | | |
| Bio-agents production | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bio-pesticides production | | | | | | | | | | | | |
| Bio-fertilizer production | | | | | | | | | | | | |
| Vermicompost production | | | | | | | | | | | | |
| Other Organic manures production | | | | | | | | | | | | |
| Production of fry and fingerlings | | | | | | | | | | | | |
| Production of Bee-colonies and wax sheets | | | | | | | | | | | | |
| Small tools and implements | | | | | | | | | | | | |
| Production of livestock feed and fodder | | | | | | | | | | | | |
| Production of Fish feed | | | | | | | | | | | | |
| **X Capacity Building and Group Dynamics** | | | | | | | | | | | | |
| Leadership development in villages | | | | | | | | | | | | |
| Managing Group dynamics | | | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | | | |
| Mobilization of social capital in villages | | | | | | | | | | | | |
| Entrepreneurial development of farmers/youths | | | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | | | |
| **XI Agro-forestry** | | | | | | | | | | | | |
| Production technologies | | | | | | | | | | | | |
| Nursery management | | | | | | | | | | | | |
| Integrated Farming Systems | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **XII Others (Pl. Specify)** | | | | | | | | | | | | |
| **TOTAL** | | | | | | | | | | | | |
| **(B) RURAL YOUTH** | | | | | | | | | | | | |
| Mushroom Production | 1 | Commercial production of Mushroom for self employment (On farm,. 2 d) | 5 | 5 | 10 | 5 | 3 | 8 | 4 | 3 | 7 | 25 |
| Bee-keeping | 1 | Commercial Rearing of Honey Bee for self employment (On farm,. 3 d) | 12 | 5 | 17 | 3 | 3 | 6 | 1 | 1 | 2 | 25 |
| Integrated farming | | | | | | | | | | | | |
| Seed production | | | | | | | | | | | | |
| Production of organic inputs | 1 | Production technology of Organic inputs (Compost, Vermicompost, Azolla) (On farm,. 2 d) | 5 | 5 | 10 | 5 | 3 | 8 | 4 | 3 | 7 | 25 |
| Integrated Farming | | | | | | | | | | | | |
| Planting material production | 1 | Planting material production of some important fruit crops (On farm,. 2 d) | 10 | 5 | 15 | 2 | 2 | 4 | 3 | 3 | 6 | 25 |
| Vermiculture | | | | | | | | | | | | |
| Sericulture | | | | | | | | | | | | |
| Protected cultivation of vegetable crops | 1 | Protected cultivation of Capsicum and Cucumber under Polyhouse (On farm,. 1 d) | 12 | 5 | 17 | 3 | 3 | 6 | 1 | 1 | 2 | 25 |
| Commercial fruit production | | | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | | | |
| Nursery Management of Horticulture | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| crops | | | | | | | | | | | | |
| Training and pruning of orchards | | | | | | | | | | | | |
| Value addition | 1 | Preparation of squash and pickle from locally available fruits and vegetables (Off farm,. 1 d) | 0 | 10 | 10 | 0 | 10 | 10 | 0 | 5 | 5 | 25 |
| Production of quality animal products | 1 | Value addition of milk and milk products (On farm,.2 d) | 10 | 5 | 15 | 2 | 2 | 4 | 3 | 3 | 6 | 25 |
| Dairying | | | | | | | | | | | | |
| Sheep and goat rearing | | | | | | | | | | | | |
| Quail farming | | | | | | | | | | | | |
| Piggery | | | | | | | | | | | | |
| Rabbit farming | | | | | | | | | | | | |
| Poultry production | 2 | i)Commercial Boiler production (On farm,. 2 d)<br><br>ii) Commercial Boiler production (Off farm,. 1 d) | 10 | 15 | 25 | 9 | 5 | 14 | 5 | 6 | 11 | 50 |
| Ornamental fisheries | 2 | i)Scope and potential of ornamental fisheries and fabrication of Aquarium (On farm,. 2 d)<br><br>ii) Scope and potential of ornamental fisheries and fabrication of Aquarium (Off farm,. 1 d) | 15 | 10 | 25 | 12 | 2 | 14 | 8 | 3 | 11 | 50 |
| Training as Para vets | | | | | | | | | | | | |
| Training as Para extension workers | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Composite fish culture | 3 | i)Six species combination of fishes and water management in Composite fish culture (On farm,. 2 d)<br><br>ii) Fish health management in Composite fish culture (Off farm,. 1 d)<br><br>iii) Dos and Don'ts in Composite fish culture (Off farm,. 1 d) | 30 | 10 | 40 | 10 | 10 | 20 | 10 | 5 | 15 | 75 |
| Freshwater prawn culture | | | | | | | | | | | | |
| Fish harvest and processing technology | | | | | | | | | | | | |
| Fry and fingerling rearing | | | | | | | | | | | | |
| Small scale processing | | | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | | | |
| Tailoring and Stitching | 1 | Cutting and knitting of Baby and Women garments (On farm,. 3 d) | 10 | 5 | 15 | 2 | 2 | 4 | 3 | 3 | 6 | 25 |
| Rural Crafts | 1 | Preparation of low cost decorative items (On farm,. 3 d) | 0 | 8 | 8 | 0 | 10 | 10 | 0 | 7 | 7 | 25 |
| Total | 16 | | | | | | | | | | | |
| Any other (Pl. Specify)<br><br>**Vocational Trainings** | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Small livestock and poultry | 1 | Scientific management of small livestock and poultry for self employment (On farm,. 7 d) | | | | | | | | | | 25 |
| Farm machinery and implements | 1 | Care and maintenance of farm machinery and implements (On farm,. 7 d) | | | | | | | | | | 25 |
| Mushroom | 1 | Commercial production of Mushroom (On farm,. 7 d) | | | | | | | | | | 25 |
| Apiary | 1 | Commercial Bee keeping (On farm,. 7 d) | | | | | | | | | | 25 |
| Handloom fabric diversification | 1 | Value addition of Handloom products (On farm,. 15 d) | | | | | | | | | | 25 |
| Production of organic inputs | 1 | Commercial production of Organic inputs for crop production | | | | | | | | | | 25 |
| Capacity building for ICT application | 1 | Use and application if ICT in Agriculture (On farm,. 7 d) | | | | | | | | | | 25 |
| Scientific pisciculture | 1 | Site selection and pre and post management of fisheries in scientific manner (On farm,. 7 d) | | | | | | | | | | 25 |
| Horticultural crops | 1 | Planting material generation of horticultural crops (On farm,. 7 d) | | | | | | | | | | 25 |
| Animal husbandry | 3 | Skill Development training programme on Scientific live stock and poultry farming for self employment (On farm,. 30 d) | | | | | | | | | | 75 |
| **TOTAL** | 12 | | | | | | | | | | | |
| **(C) Extension Personnel** | | | | | | | | | | | | |
| Productivity enhancement in field crops | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Integrated Pest Management | 2 | i)Integrated Pest Management in Boro Rice (Off farm,. 1 d)<br><br>ii) Integrated Pest Management in Sali Rice (On farm,. 1 d) | 22 | 0 | 22 | 13 | 0 | 13 | 15 | 0 | 15 | 50 |
| Integrated Nutrient management | 1 | Integrated Nutrient management in Sali rice (On farm,. 1 d) | 5 | 5 | 10 | 6 | 2 | 8 | 4 | 3 | 7 | 25 |
| Rejuvenation of old orchards | | | | | | | | | | | | |
| Protected cultivation technology | | | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | | | |
| Group Dynamics and farmers organizations | | | | | | | | | | | | |
| Information networking among farmers | | | | | | | | | | | | |
| Capacity building for ICT application | 1 | Use and application of ICT in Agriculture (On farm,. 1 d) | 10 | 6 | 16 | 3 | 4 | 7 | 0 | 2 | 2 | 25 |
| Care and maintenance of farm machinery and implements | | | | | | | | | | | | |
| WTO and IPR issues | 2 | Protection of plant varieties and farmer's right (On farm,. 1 d) | 30 | 0 | 30 | 10 | 0 | 10 | 10 | 0 | 10 | 50 |
| Management in farm animals | 1 | Management of disease in farm animals (On farm,. 1 d) | 11 | 0 | 11 | 6 | 0 | 6 | 8 | 0 | 8 | 25 |
| Livestock feed and fodder production | | | | | | | | | | | | |
| Household food security | | | | | | | | | | | | |
| Women and Child care | | | | | | | | | | | | |
| Low cost and nutrient efficient diet | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| designing | | | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | | | |
| Any other (Pl. Specify)<br><br>Fisheries | 1 | Recent advances in fish health management (Off farm,. 1 d) | 15 | 0 | 15 | 5 | 0 | 5 | 5 | 0 | 5 | 25 |
| **TOTAL** | **90** | | **809** | **265** | **1074** | **294** | **176** | **470** | **255** | **151** | **406** | **2250** |

**Vocational training programmes for Rural Youth:**

| Crop / Enterprise | Identified Thrust Area | Training title* | Duration (days) | No. of Participants | | |
|---|---|---|---|---|---|---|
| | | | | Male | Female | Total |
| Small livestock and poultry | Entrepreneurship development | Scientific management of small livestock and poultry for self employment | 7 days | 18 | 7 | 25 |
| Farm machinery and implements | Entrepreneurship development | Care and maintenance of farm machinery and implements | 7 days | 25 | - | 25 |
| Mushroom | Entrepreneurship development | Commercial production of Mushroom | 7 days | 15 | 10 | 25 |
| Apiary | Entrepreneurship development | Commercial Bee keeping | 7 days | 18 | 7 | 25 |
| Handloom fabric diversification | Entrepreneurship development | Value addition of Handloom products | 15 days | 13 | 12 | 25 |
| Production of organic inputs | Entrepreneurship development | Commercial production of Organic inputs for crop production | 7 days | 18 | 7 | 25 |

| | | | | | |
|---|---|---|---|---|---|
| Capacity building for ICT application | Entrepreneurship development | Use and application if ICT in Agriculture | 7 days | 15 | 10 | 25 |
| Scientific pisciculture | Entrepreneurship development | Site selection and pre and post management of fisheries in scientific manner | 7 days | 13 | 12 | 25 |
| Horticultural crops | Entrepreneurship development | Planting material generation of horticultural crops | 7 days | 14 | 11 | 25 |

*training title should specify the major technology /skill transferred

**Sponsored Training Programmes**

| No | Title | Thematic area | Month | Duration (days) | Client | No. of courses | No. of Participants | | | | | | | | | Sponsoring Agency |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | PF/RY/EF | | Male | | | Female | | | Total | | | |
| | | | | | | | Others | SC | ST | Others | SC | ST | Others | SC | ST | Total |
| 1. | Skill Development training programme on Scientific live stock and poultry farming for self employment (Organizer-Resources Development Institution(NGO), Jorhat) | Animal Husbandry | Sept-Oct, 2012 | 30 days (10 days X 3 batch) | PF/ RY | 3 | 35 | 10 | 10 | 20 | 0 | 0 | 55 | 10 | 10 | 75 | Employment Generation Mission, Sixmile, Guahati |
| **Total** | | | | | | **3** | **35** | **10** | **10** | **20** | **0** | **0** | **55** | **10** | **10** | **75** | |

**PART – IV**

**(EXTENSION ACTIVITES AND PRODUCTION OF SEED AND PLANTING MATERIALS)**

**4. Proposed Extension Activities for the year 2012-13 (including activities under FLD programmes)**

| Nature of Extension Activity | No. of activities | Farmers (No.) | | | Extension Officials (No.) | | | Rural Youth (No.) | | | Total (No.) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Field Day | 14 | 300 | 250 | 550 | 100 | 50 | 150 | 400 | 300 | 700 | 800 | 600 | 1400 |
| Kisan Mela | 2 | 200 | 100 | 300 | 150 | 50 | 200 | 300 | 200 | 500 | 650 | 350 | 1000 |
| Kisan Gosthi | 1 | 100 | 50 | 150 | 25 | 25 | 50 | 25 | 25 | 50 | 150 | 100 | 250 |
| Exhibition | 3 | 400 | 200 | 600 | 200 | 100 | 300 | 150 | 150 | 300 | 700 | 500 | 1200 |
| Film Show | 3 | NA | NA | 750 | NA | NA | 450 | NA | NA | 300 | NA | NA | 1500 |
| Method Demonstrations | 20 | 100 | 50 | 150 | 50 | 0 | 50 | 100 | 100 | 200 | 250 | 150 | 400 |
| Farmers Seminar | 1 | NA | NA | 80 | NA | NA | NA | NA | NA | 20 | NA | NA | 100 |
| Workshop | 1 | NA | NA | 80 | NA | NA | NA | NA | NA | 20 | NA | NA | 100 |
| Group meetings | 10 | 150 | 50 | 200 | 50 | 0 | 50 | 100 | 100 | 200 | 300 | 150 | 450 |
| Lectures delivered as resource persons | 20 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 500 |
| Newspaper coverage | 25 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Radio talks | 25 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| TV talks | 3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Popular articles | 20 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Extension Literature | 6 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Advisory Services | 150 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Scientific visit to farmers field | 100 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Farmers visit to KVK | 400 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Diagnostic visits | 50 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Exposure visits | 2 | 50 | 0 | 50 | 0 | 0 | 0 | 30 | 20 | 50 | 80 | 20 | 100 |
| Ex-trainees Sammelan | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Soil health Camp | 1 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 100 |
| Animal Health Camp | 3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 80 |
| Agri mobile clinic | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Soil test campaigns | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Farm Science Club Conveners meet | 2 | 50 | 0 | 50 | 0 | 0 | 0 | 30 | 20 | 50 | 80 | 20 | 100 |
| Self Help Group Conveners meetings | 2 | 50 | 0 | 50 | 0 | 0 | 0 | 30 | 20 | 50 | 80 | 20 | 100 |
| Mahila Mandals Conveners meetings | 2 | 25 | 0 | 25 | 0 | 0 | 0 | 15 | 10 | 25 | 40 | 10 | 50 |
| Celebration of important days (specify)<br>!. Envoironment day (5th June)<br>2. World Food Day (24th Oct)<br>3. Fish Farmer day ( 10th July) | 3 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Any Other (Specify) | | | | | | | | | | | | | |
| **Total** | 870 | 1525 | 700 | 3135 | 575 | 225 | 1250 | 1180 | 945 | 2465 | 3230 | 1920 | 7430 |

| **M=Male** | **F=Female** | **T=Total** |
|---|---|---|

**Proposed production and supply of Technological products**

**Seed materials:**

| Sl. No. | Crop | Variety | Proposed Quantity (qtl.) | Value (Rs.) | To be provided to (No. of Farmers) |
|---|---|---|---|---|---|
| **Cereals** | | | | | |
| 1 | Rice | *Ranjit* | 45 q | 110000.00 | 515 |
| **Oilseeds** | | | | | |
| **1** | Sesamum | *ST 1683* | 3 q | 7500.00 | 50 |
| | NA | NA | NA | NA | NA |
| **Pulses** | NA | NA | NA | NA | NA |
| **1** | Black gram | *KU 301* | 10 q | 9000.00 | 60 |
| **2** | Green gram | *Pratap* | 10 q | 9000.00 | 40 |
| **Vegetables** | | | | | |
| | Bhoot Jolokia | NA | 500g | 5000.00 | NA |
| | Solanaceous (Brinjal, Tomato) | NA | NA | 2000.00 | NA |
| **Flower Crops** | Marigold | NA | NA | 37000.00 | NA |
| | Tube rose | NA | NA | 10000.00 | NA |
| | Gladiolus | NA | NA | 10000.00 | NA |
| | | | | | |
| **Others (Specify)** | NA | NA | NA | NA | NA |

**Planting materials:**

| Sl. No. | | Crop | Variety | Quantity (Nos.) | Value (Rs.) | To be provided to (No. of Farmers) |
|---|---|---|---|---|---|---|
| **Fruits** | Sucker | Pinapple | *Kew* | 1000 | 2000 | NA |
| | Sucker | Banana | *Amritsagar* | 800 | 4000 | NA |
| | | NA | NA | NA | NA | NA |
| **Spices** | | | | | | |
| Rhizome | | Ginger | *Moran* | 20 q | 40000.00 | NA |
| Rhizome | | Turmeric | *Lakadang* | 40 q | 40000.00 | NA |
| Seedlings | | Bhoot Jolokia | NA | 5000 | 10000.00 | NA |
| **Vegetables** | | | | | | |
| Seedlings | | Cruciferous | NA | 2000nos | 2000.00 | NA |
| Seedlings | | Solanaceous (Brinjal, Tomato) | NA | 40000 | 3000.00 | NA |
| | | NA | NA | NA | NA | NA |
| | | | | | | |
| **Forest Species** | | | | | | |
| | | | | | | |
| **Ornamental Crops** | cut flower | Marigold | NA | NA | 37000.00 | NA |
| | Tuber | Tube rose | NA | 10000nos | 10000.00 | NA |
| | Corm | Gladiolus | NA | 1000nos | 10000.00 | NA |
| | Cuttings | Chrysanthemum | | 100nos | 500.00 | NA |

| | | | | | |
|---|---|---|---|---|---|
| Cuttings | Dahlia | | 100nos | 500.00 | NA |
| **Plantation Crops** | NA | NA | NA | NA | NA |
| | NA | NA | NA | NA | NA |
| **Others (specify)** | NA | NA | NA | NA | NA |
| | NA | NA | NA | NA | NA |

**Bioproducts :**

| Sl. No. | Product Name | Species | Quantity | | Value (Rs.) | To be provided to (No. of Farmers) |
|---|---|---|---|---|---|---|
| | | | No | (kg) | | |
| | | | | | | |
| **Bioagents** | | | | | | |
| 1 | Vermicompost | NA | NA | 2 t | 20000.00 | 400 |
| 2 | Azolla | *Azola caroliniana* | NA | 2 q | 2000.00 | 50 |
| 3 | Compost | NA | NA | 6 q | 3000.00 | 50 |
| 4 | NA | NA | NA | NA | NA | NA |
| **Biofertilizers** | | | | | | |
| 1 | NA | NA | NA | NA | NA | NA |
| 2 | NA | NA | NA | NA | NA | NA |
| **Bio Pesticides** | | | | | | |
| 1 | *Trichoderma* | NA | NA | 1 t | 50000.00 | 500 |
| 2 | NA | NA | NA | NA | NA | NA |

**Livestock:**

| Sl. No. | Type | Breed | Quantity | | Value (Rs.) | To be provided to (No. of Farmers) |
|---|---|---|---|---|---|---|
| | | | Nos | Kgs | | |
| **Cattle** | Milch cow | Cross bred (HF) | 1 | 2500 lit | 57500.00 @ Rs 23/ lit | NA |
| **Sheep and Goat** | Cross bred kids | Local Cross bred | 6 | NA | 4800.00 | 6 |
| **Poultry** | Quality Chicken meat | Cob | 1600 | 2500 | 225000.00 @ Rs 90/ kg | NA |
| **Fisheries** | Fish | Indian Major Carps and Exotic Carps | 1000 | 400 | 40000.00 @ Rs 100/ kg | NA |
| **Others (Specify)** | NA | NA | NA | NA | NA | NA |
| **Piggery** | Piglets | Ghungroo | 10 | NA | 20000.00 | NA |
| **Duck** | Egg | Chara – Chemballi | 12 | NA | NA | NA |

**Literature proposed to be developed/ published**

| Item | Title | Number |
|---|---|---|
| Research papers | NA | 5 |
| Technical reports | NA | 20 |

| | | |
|---|---|---|
| News letters | NA | 2 |
| Technical bulletins | NA | 15 |
| Popular articles | NA | 20 |
| Extension literature | NA | 10 |
| Others (Pl. specify) Training mannual | NA | 1 |
| **Total** | NA | **73** |

**Details of Electronic Media proposed**

| S. No. | Type of media (CD / VCD / DVD / Audio-Cassette) | Proposed title of the programme | Number |
|---|---|---|---|
| **1** | VCD | Livelihood of Mising community of Jorhat district | 1 |
| **2** | VCD | Vermicompost technology | 1 |
| **3** | VCD | Rearing improved dual purpose poultry in backyard condition | 1 |
| **4** | ICT content development | | 1 |

**Field activities proposed**

i. Number of villages to be adopted : 2

ii. No. of farm families to be selected : 20

iii. No. of surveys/PRA to be conducted : 5

**Proposed activities of Soil and Water Testing Laboratory: NA**

**Status of establishment of Lab** :

1. Year of establishment : **Not established yet**
2. Details of samples to be analyzed : NA

| Details | No. of Samples | No. of Farmers | No. of Villages |
|---|---|---|---|
| Soil Samples | NA | NA | NA |
| Water Samples | NA | NA | NA |
| Total | NA | NA | NA |

**PART – V**

**(LINKAGES WITH OUTSIDE ORGANISATIONS)**

**5. Proposed Linkages**

**Functional linkage with different organizations**

| Name of organization | Nature of linkage |
|---|---|
| 1. Department of Agriculture, Govt. of Assam | In planning and organizing training programme, demonstrations, field days, farmers-Scientist interaction, District ATMA diagnostic survey, CDAP preparation, resource person in training progeammes |
| 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. Agricultural Technology Management Agency (ATMA), Jorhat | Conducting collaborative demonstration, training and expert visit. |
| 3. District Rural Development Agency, Jorhat | Conducting collaborative training programmes and resource persons for DRDA training |
| 4. Dairy Development, Jorhat, Assam | In planning and organizing training programme |
| 5. NABARD, Jorhat | Conducting exposure visit, training and acting as resource person in training programmes |

| | |
|---|---|
| 6. North East Affected Area Development Society (NGO) | In planning and organizing training programme |
| 7. NEIST, Jorhat | Exposure visit of farmers, technology exchange |
| 8. All India Radio, Jorhat | For coverage of rural programme and broadcasting of Radio-talk on Agriculture |
| 9. SIRD, Jorhat | For conducting training |
| 10. RRTC, Umran, Meghalaya | Conducting exposure visit |
| 11. Central Potato Research Station, Upper Shillong | Conducting exposure visit |
| 12. ICAR Research Complex for NE Hill Region, Umiam, Barapani | Source of technology and conducting exposure visit |
| 13. NRC on Pig, Rani, Kamrup | Source of technology, Source of quality piglets |
| 14. KKH Open University, Guwahati | Human Resource Development, Community Radio |
| 15. R & D, TATA Tea, Teok, Jorhat | Exchange of resource person, information sharing, exposure visit |
| 16. Central Silk Board, Lahdoigarh | Knowledge sharing, source of information |
| 17. DRDA, Jorhat | Resource person and participant selection |

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

**List special programmes to be undertaken by the KVK, financed by State Govt./Other Agencies (if any)**

| Name of the scheme | Date/ Month of initiation | Funding agency | Amount (Rs.) |
|---|---|---|---|
| Rural Knowledge Centre | December, 2009 | NABARD, Jorhat | 1,50,000.00 |
| RAWEP | August,2012 | Govt. of India, ICAR | - |
| High Tech Fruit Orchard cum nursery | Feb,2012 | NHB | 75,00,000.00 |
| FPARP Phase II | Nov,2011 | Ministry of Water Resources, GOI | 6,37,500.00 |

**Details of proposed linkage with ATMA**

a) Is ATMA implemented in your district (Yes/No): Yes

| S. No. | Programme | Nature of linkage proposed |
|---|---|---|
| 1 | Governing Body, ATMA, Jorhat | Member |
| 2 | Training | As Resource persons |
| 3 | Demonstration on Toria at Majuli | Site and farmers selection |
| 4 | Farmers – Scientists Interaction | As Resource persons |
| 5 | Field Day | Collaborative programme |
| 6 | Diagnostic field visit | As specialists |
| 7 | Awareness camp on white grub | Collaborative programme |
| 8 | Backyard poultry rearing, improved goatery | As specialist |

**Give details of programmes implemented under National Horticultural Mission (if any) : NA**

| S. No. | Programme | Nature of linkage proposed |
|---|---|---|
| NA | NA | NA |
| NA | NA | NA |

**Nature of linkage with National Fisheries Development Board (if any)**

| S. No. | Programme | Nature of linkage proposed |
|---|---|---|
| NA | NA | NA |
| NA | NA | NA |

**PART – VI**

**(PERFORMANCE OF INFRASTRUCTURE)**

**6. Performance of infrastructure in KVK Jorhat**

**Proposed utilization of demonstration units (other than instructional farm) :**

| No. | Demo Unit | Year of estt. | Area (Sq. m.) | Proposed production | | | Amount (Rs.) | |
|---|---|---|---|---|---|---|---|---|
| | | | | Variety | Produce | Qty. | Cost of inputs | Gross income expected |
| 1 | Cattle shed | 2010 | 36.45 | Milk | 2500 lit | 2500 lit | 27000.00 | 57,500.00 |
| 2 | Vermicompost unit | 2010 | 46.80 | Vermicompost | 2t | 2t | 8000.00 | 20000.00 |
| 3 | Mushroom Unit | 2010 | 27.00 | *Oyester* | 10 Kg | 10Kg | 400.00 | 1000.00 |
| 4 | Poultry Shed | 2011 | 44.40 | Broiler meat | 2500 Kg | 2500 Kg | 1,62,500.00 | 2,25,000.00 |
| 5 | Goattery unit | 2011 | 34.20 | Crossbred Kids | 6 nos | 6 nos | 2000.00 | 4,800.00 |
| 6 | Implement shed | 2010 | 170.00 | NA | NA | NA | NA | NA |
| 7 | Piggery unit | 2010 | 41.04 | Piglet | 10nos | 10 nos | 5000.00 | 20,000.00 |
| 8 | Demonstration unit (Display unit) | 2011 | 93.50 | NA | NA | NA | NA | NA |
| 9 | Fertilizer godown | 2011 | 22.79 | NA | NA | NA | NA | NA |
| 10 | Rice- Fish- Vegetable Unit | 2011 | 5332 (4 bighas) | Rice, Fish and vegetables | 100 Kg. fish, 20 q rice, 50 Kgvegetable | 100 Kg. fish, 20 q rice, 50 | 10,000.00 | 25,000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 11 | Fish pond | 2010 | 50m x 20m | IMC | 3 q | 3 q | 10,000.00 | 30,000.00 |
| 12 | Deep tube well with distribution line | 2011 | 287.60 running m. | NA | NA | NA | NA | NA |
| 13 | Green House | 2012 | 12m x 11m | Not completed yet | NA | NA | NA | NA |
| 14 | Automatic Weather Station | 2011 | 3m X 3m | NA | NA | NA | NA | NA |
| 15 | Azolla production unit | On progress | 54.45 | *Azolla caroliniana* | 2 q | 2 q | 1000.00 | 2000.00 |
| 16 | Compost production Unit | On progress | 49.92 | Compost | 6 q | 6 q | 1000.00 | 3000.00 |

**Proposed utilization of instructional farm (Crops) including seed production:**

| Name Of the crop | Expected Date of sowing | Expected Date of harvest | Area (ha) | Proposed production | | | Amount (Rs.) | |
|---|---|---|---|---|---|---|---|---|
| | | | | Variety | Type of Produce | Qty. | Cost of inputs | Gross income expected |
| **Cereals** | | | | | | | | |
| Rice | 15.05.2012 | 20.10.2012 | 1.0 | *Ranjit* | Foundation Seed | 45 q | 27000.00 | 1,10,000.00 |
| **Pulses** | | | | | | | | |
| Blackgram | 10.08.2012 | 15.11.2012 | 1.0 | *KU 301* | Foundation Seed | 13.5 q | 9000.00 | 40000.00 |
| Green gram | 22.08.2012 | 28.11.2010 | 1.0 | *Pratap* | Foundation Seed | 10.0 q | 9000.00 | 40000.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Oilseeds** | | | | | | | | |
| Sesamum | 17.08.2012 | 22.11.2012 | 0.5 | *ST 1683* | Foundation Seed | 3 q | 3000.00 | 7500.00 |
| **Fibers** | NA | NA | NA | NA | NA | NA | NA | NA |
| | NA | NA | NA | NA | NA | NA | NA | NA |
| | NA | NA | NA | NA | NA | NA | NA | NA |
| **Spices** | | | | | | | | |
| Ginger | 2.04.2012 | 28.01.2013 | 0.13 | Local | Rhizome | 20 q | 15000.00 | 40000.00 |
| Turmeric | 10.02.2013 | 12.12.2013 | 0.13 | Local | Rhizome | 40 q | 10000.00 | 40000.00 |
| **Plantation crops** | | | | | | | | |
| Arecanut | NA | NA | 0.13 | NA | NA | NA | NA | NA |
| | NA | NA | NA | NA | NA | NA | NA | NA |
| **Floriculture** | | | | | | | | |
| Marigold | 09.11.2012 | 10.02.2013 | 0.13 | *Pusa Narengi* | Cut flower and seed | 1500 kg, 300g | 5000.00 | 37000.00 |
| Tube rose | Feb-March, 2013 | | 0.13 | *Prajwal Shrinagar* | Cut flower and corm | 2000nos, 5000nos. | 3000.00 | 10000.00<br>5000.00 |
| Gladiolus | Feb-March, 2013 | | 0.13 | *Mayur* | Cut flower and corm | 2000nos,<br>1500nos | 3000.00<br>- | 10000.00<br>4000.00 |
| **Fruits** | | | | | | | | |
| Litchi | NA | NA | 0.50 | NA | NA | NA | NA | NA |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Guava | NA | NA | 0.50 | NA | NA | NA | NA | NA |
| Pineapple | NA | NA | 0.13 | Kew | Fruit/slips | 300 kg,<br>2000nos | 1000.00<br>- | 3000.00<br>3000.00 |
| Banana | NA | NA | 0.50 | NA | Fruits and suckers | 500kg<br>1000nos | 2000.00 | 5000.00<br>2000.00 |
| **Vegetables** | | | | | | | | |
| Cruciferous | 16.09.2012 | 20.11.2012 | NA | NA | NA | NA | NA | 2000.00 |
| Cucurbits | 10.04.2012 | 23.08.2012 | NA | NA | NA | NA | NA | 2000.00 |
| Solanaceous (Brinjal, Tomato) | 14.10.2012 | 12.01.2013 | NA | NA | NA | NA | NA | 2000.00 |
| **Others (Specify)** | | | | | | | | |
| Herbal Garden | | | 0.10 | | | | | |
| Fodder (*Seteria*) | Previous year fodder crop | 10-05-11 (4 cut yearly) | 0.12 | Kajongula | Green fodder | 12 t | 2000.00 | 10,000.00 |
| Fodder (Hybrid Napier) | -do- | 15-05-11 (4 cut yearly) | 0.12 | Co2/Co3 | Green fodder | 10 t | 2000.00 | |
| Fodder (*Congo signal*) | -do- | 20-05-11 (4 cult yearly) | 0.12 | DRSB-7 | Green fodder | 9.9 t | 2000.00 | |
| Fodder (*Guinea*) | -do- | 25-05-11 (4 cult yearly) | 0.12 | PGG-9 | Green fodder | 9 t | 2000.00 | |

**Proposed production Units (bio-agents / bio pesticides/ bio fertilizers etc.,) :**

| No. | Name of the Product | Qty | Amount (Rs.) | |
|---|---|---|---|---|
| | | | Cost of inputs | Gross income expected |
| 1 | Vermicompost | 2 t | 5000.00 | 20000.00 @ Rs. 10/ kg |
| 2 | *Trichoderma* | 1 t | 5000.00 | 50000.00 @ Rs 50/ kg |
| 3 | Azolla | 2 q | 1000.00 | 2000.00 @ Rs. 10 / kg |
| 4 | Compost | 6 q | 1000.00 | 3000.00 @ Rs. 5/ kg |

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

| No | Name of the animal / bird / aquatics | Details of expected production | | |
|---|---|---|---|---|
| | | Breed | Type of Produce | Qty expected |
| | Cattle | HF Cross | Milk | 2500 lit. |
| | Goat | Beetal and Local | Kids | 6 |
| | Pig | Ghungroo | Piglet | 10 |
| | Poultry | Broiler Cob-400 | Broiler meat | 2500 Kg. |
| | Duck | Chara- Chembali | Eggs | - |
| | Fish | Indian Major carp | Table fish | 400 kg |

**PART – VII**

**(SUMMARY)**

**7. Summary**

**Targets for 2012-13 for KVK. Jorhat**

**On Farm Trials**

| Thematic areas | Cereals | Pulses | Oilseed | Vegetables | Fruits | Others | Total |
|---|---|---|---|---|---|---|---|
| Integrated Crop Management | 4 | 1 | 1 | - | 1 | 1 | 8 |
| Integrated Nutrient Management | 1 | - | - | - | - | - | 1 |
| Integrated Pest Management | - | - | - | 1 | - | 1 | 2 |
| Animal Husbandry | - | - | - | - | - | 1 | 1 |
| Fisheries | - | - | - | - | - | 2 | 2 |
| **Grand total** | **5** | **1** | **1** | **1** | **1** | **5** | **14** |

**FLDs on oilseed and pulse crops.**

| Name of KVK | Oilseeds | | Pulses | |
|---|---|---|---|---|
| | Area (ha) | No. of farmers | Area (ha) | No. of farmers |
| Jorhat | 5 | NA | 5 | NA |
| | | | | |
| **Total** | | | | |

**Training programmes and other Extension Activities**

| Area | Farmers/ farm women | | Rural youth | | Extension personnel | |
|---|---|---|---|---|---|---|
| | Courses | Participants | Courses | Participants | Courses | Participants |
| Crop Production | 9 | 225 | - | - | - | - |
| Horticulture | 9 | 225 | 3 | 75 | - | - |
| Plant Protection | 7 | 175 | - | - | 2 | 50 |
| Home Science | 5 | 125 | 4 | 100 | - | - |
| Animal Science | 8 | 200 | 7 | 175 | 1 | 25 |
| Soil Science | 9 | 225 | 2 | 50 | 1 | 25 |
| Bee Keeping | - | - | 2 | 50 | - | - |
| Mushroom Cultivation | - | - | 2 | 50 | - | - |
| Agro forestry | - | - | - | - | - | - |
| Others i) Fishery | 7 | 175 | 6 | 150 | 1 | 25 |
| ii)Agri.Extension | - | - | - | - | - | - |
| iii)Farm machinery and implements | - | - | 1 | 25 | - | - |
| iv)Capacity building for ICT application | - | - | 1 | 25 | 1 | 25 |
| v) WTO and IPR issues | - | - | - | - | 2 | 50 |
| **Total** | **54** | 1350 | **28** | 700 | **8** | **200** |

| Activity | Nos |
|---|---|
| Field Day | 14 |
| Kisan Mela | 2 |
| Kisan Gosthi | 1 |
| Exhibition | 3 |
| Film Show | 3 |
| Method Demonstrations | 20 |
| Farmers Seminar | 1 |
| Workshop | 1 |
| Group meetings | 10 |
| Lectures delivered as resource persons | 20 |
| Newspaper coverage | 25 |
| Radio talks | 25 |
| TV talks | 3 |
| Popular articles | 20 |
| Extension Literature | 6 |
| Advisory Services | 150 |
| Scientific visit to farmers field | 100 |
| Farmers visit to KVK | 400 |

| | |
|---|---|
| Diagnostic visits | 50 |
| Exposure visits | 2 |
| Ex-trainees Sammelan | 1 |
| Soil health Camp | 1 |
| Animal Health Camp | 3 |
| Agri mobile clinic | - |
| Soil test campaigns | - |
| Farm Science Club Conveners meet | 2 |
| Self Help Group Conveners meetings | 2 |
| Mahila Mandals Conveners meetings | 2 |
| Celebration of important days | 3 |
| **Total** | **870** |

| M=Male | F=Female | T=Total |
|---|---|---|

**Seed Production:**

| KVK | Quantity (qtl) | | | |
|---|---|---|---|---|
| | Cereals | Oilseeds | Pulses | Vegetables |
| **Jorhat** | 45 | 3 | 23.5 | 250g (Brinjal) |
| | | | | |
| | | | | |
| **Total** | 45 | 3 | 23.5 | 250g |

**Planting Materials :**

| KVK | Quantity (nos) | | | |
|---|---|---|---|---|
| | **Fruits** | **Vegetable Seedlings** | **Tree Species** | **Ornamental Plants** |
| **Jorhat** | Banana sucker 1000 nos. | 10.000 | NA | Tuberose 500 corm<br>Gladiolus 500 corm |
| | | | | |
| | | | | |
| **Total** | | | | |

**Signature**

**Programme Coordinator**

**KVK, Jorhat**

**(Signature not needed in case of soft copy)**

**Notes:**

**The modalities for submission are available in the website www.icarzcu3.gov.in. The same may be strictly followed.**