**INDIAN COUNCIL OF AGRICULTURAL RESEARCH**

**Agricultural Technology Application Research Institute, Zone-VII**

**Umiam, Meghalaya**

***Format for Annual Action Plan Formulation of KVKs2022***

**Name of the KVK/District: KVK Mokokchung**

**Present Staff Position in KVK:**

|  |  |  |  |  |  |
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| **Sl. No.** | **Name** | **Gender (M/F)** | **Category (General/OBC/SC/ST)** | **Designation** | **Discipline** |
| 1. | Dr.KeviletsuKhate | M  | ST | Senior Scientist and Head | Vety& AH |
| 2. | E.RenbomoNgullie | M | ST | Subject Matter Specialist  | Horticulture  |
| 3. | Dr.Sarendi Walling | M | ST | Subject Matter Specialist  | Vety& AH |
| 4. | TokihoAchumi | M | ST | Subject Matter Specialist  | Agronomy |
| 5. | Imtilemla | F | ST | Subject Matter Specialist  | Soil Science |
| 6. | Imtisenla | F | ST | Subject Matter Specialist  | Agronomy |
| 7. | Dr.RuopfuselhuoKehie | M | ST | Subject Matter Specialist  | Entomology |
| 8. | MoainlaLongkumer | F | ST | Programme Assistant | Horticulture |
| 9. | I.Tangitla | F | ST | Computer Programmer |  |
| 10. | IlikaV.Achumi | F | ST | Farm Manager | Horticulture |
| 11. | Keyilo | M | ST | Accountant / Superintendent |  |
| 12. | Imosangla | F | ST | Stenographer |  |
| 13. | Supongmeren | M | ST | Driver  |  |
| 14. | Jongpongyanger | M | ST | Driver |  |
| 15 | Imkonglemla | F | ST | Supporting staff |  |
| 16 | Aotoshi | M | ST | Supporting staff |  |
| **Total : 16** |

***Please furnish discipline-wise information in the given format pertaining to the mandated activities of your KVK targeted to be accomplished during 2022***

**Discipline:Agronomy**

**Name of the concerned Subject Matter Specialist: Imtisenla**

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| **Mandated activities** | **Thematic Area/Title of technology**  | **Details of Technology**  | **Source and Year of release** | **Assess/Refine** | **Area (in Ha)** | **No of trial** | **Location** | **Period and Duration** | **Number of beneficiaries** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **On farm testing** | Varietal evaluation of Soybean Var.VL soya 77 and VL soya 89  | 1. Soybean will be sown in July-August month.

2.Spacing : 30×10cm. | VPKAS,Almora, 2018 | A | .5ha | 3 | Changtongya,Tuli | 120-130days | 1 | 2 | 3 |  |  |  | 3 |
| Utera cropping of pea under rice based cropping system (TRC) | 1.Pea will be sown after paddy in October2.Pea will be sown @ 25x10cm spacing 3. 20cm standing stubble in lowland | ICAR, Umiam, 2011 | A | .5 | 3 | Longkhum,Yimchalu | 120days | 1 | 2 | 3 |  |  |  | 3 |
|  |
| **Mandated activities** | **Thematic Area** | **Technology/Crop/Cropping system** | **Source and Year of release** | **Demon (No.)** | **Area (in Ha)** | **Location** | **Period and Duration** | **Number of beneficiaries** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **Front Line Demonstration** | Popularization of Pea (VarAman). | Pea | IIPR,2016 | 3333333333833 | 1ha | Kupza,Tuli | 120days | 4 | 4 | 8 |  |  |  | 8 |
| Demonstration on Toria var. TS 67 | Toria | RARS, shillongoni, AAU. |  6  | 1ha | Tuli | 95days | 2 | 3 | 5 |  |  |  | 5 |
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| **Mandated activities** | **Target group** | **Title of the training****Programme and No. of Courses in bracket** | **No. of training progs** | **Period of the year** | **Duration (in days)** | **On/Off campus** | **Number of beneficiaries** | **Remarks** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **On and Off campus training programmes** | Farmer and Farm women | 1.Training on Kharif crops2.Cultivation of soybean3.Cultivation of oilseeds4.Cultivation of pulses. | 1111 | FebJuneAug.Oct | 1111 | Off0ff0non | 1010810 | 15151520 | 25252330 |  |  |  | 25252330 |  |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel | Training on Advances of integrated farming system. | 1 | April | 1 | on | 10 | 10 | 20 |  |  |  | 20 |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO (including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Sponsored training programmes** | Farmer and Farm women |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
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**Discipline: Agronomy**

**Name of the concerned Subject Matter Specialist:TokihoAchumi**

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| **Mandated activities** | **Thematic Area** | **Details of Technology** | **Source and Year of release** | **Assess/****Refine** | **Area (Ha)** | **No of trial** | **Location** | **Period &Duration** | **Number of beneficiaries** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| **On farm testing** | Coarse Cereals Production | **Assessment of****Bio-fortified pearl millet****Technology:** Dhanshakti and ICMH 1201 (Shakti-1201)**Characteristics:** Early maturing, open pollinated variety, High iron bio-fortified cultivar**Production Conditions:** Early Sown Rain-fed | International Crops Research Institute for semi-Arid tropics(ICRISAT)2014 | Assess | 0.5 | 2 |  | May- Oct | 2 | - | 2 |  |  |  | 2 |
| Oilseed Production | **Utera cropping of Mustard in Rice based cropping system under Jhum/TRC****Technology:**DRMR (1165-40)PusaMustard 28 (NPJ-124), TS 67**Characteristics:**timely sown rainfed, heat tolerant at seedling stage, moisture stress, 40-42.5%. Av.yield 22-26q/ha. Duration is 133-151 days**Production Conditions:** Early Sown rainfed /irrigated | ICAR-Indian Agricultural Research InstituteNew Delhi2012 | Assess | 0.5 | 2 |  | Oct- Jan | 1 | 1 | 2 |  |  |  | 2 |
|  |
| **Mandated activities** | **Thematic Area** | **Technology/Crop/Cropping system** | **Source and Year of release** | **Demo****(No)** | **Area (Ha)** | **Location** | **Period &Duration** | **Number of beneficiaries** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| **Front Line Demonstration** | Oilseed production | **Cultivation of oilseed for higher economic return****Crop:** SoyabeanVariety: RVS 2001-4Season: Kharif**Characteristics**: 2-3 seeded/podsOval shaped yellow colour seedAv. Yield: 2495 kg/haDuration: 92-95 days | Directorate Of Research ServicesRVSKVV, Gwalior, MP2014 | 10 | 5 ha |  | June-Oct | 6 | 4 | 10 |  |  |  | 10 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Mandated activities** | **Target group** | **Title of the training****Programme and No. of Courses in bracket** | **No. of training progs** | **Period of the year** | **Duration (in days)** | **On/Off campus** | **Number of beneficiaries** | **Remarks** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **T** |
| **On and Off campus training programmes** | Farmer and Farm women | 1. Seed potato production Technology | 1 | April’22 | 1 | On | 10 | 5 | 15 |  |  |  | 15 |  |
| 2. Advance production and Disease Management Technology in Ginger  | 1 | May’22 | 1 | On | 10 | 5 | 15 |  |  |  | 15 |
| 3. System of Rice Intensification Technology for enhancing rice production | 1 | Jun’22 | 2 | Off | 10 | 10 | 20 |  |  |  | 20 |
| 4. Good Management practices in Cereals under upland situation | 1 | July ‘22 | 1 | On | 10 | 10 | 20 |  |  |  | 20 |
| 5. Advance Management practices for higher productivity of Oilseeds and pulses under diversified cropping system | 1 | Aug’22 | 1 | On | 10 | 5 | 15 |  |  |  | 15 |
| 6. Post harvest management in Seed Potato production | 1 | Sept’22 | 2 | Off | 10 | 10 | 20 |  |  |  | 20 |
| 7. Zero tillage in Oilseeds production technology under TRC | 1 | Oct’22 | 1 | Off | 10 | 5 | 15 |  |  |  | 15 |
| 8. Conservation Agriculture | 1 | Feb’23 | 1 | On | 10 | 5 | 15 |  |  |  | 15 |
| Rural Youth | 1.Potato Seed treatment and storage  | 1  | Sept ‘22 | **2** | Off | 10 | 10 | 20 |  |  |  | 20 |
| Extension Personnel | 1.Principle and Critical steps in SRI Technology application | 1 | Aug‘22 | 1 | On | 10 | 5 | 15 |  |  |  | 15 |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO (including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Vocational training programmes** | Farmer and Farm women |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
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**Discipline: Horticulture**

**Name of the concerned Subject Matter Specialist :**.RenbomoNgullie

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| **Mandated activities** | **Thematic Area** | **Details of Technology**  | **Source and Year of release** | **Assess/Refine** | **Area (in Ha)** | **No of trial** | **Location** | **Period and Duration** | **Number of beneficiaries** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **On farm testing** | Varietal evaluation | **Assessment of multiple disease resistant tomato var. ArkaAbhed.**T-1: ArkaAbhed, T-2: Samrat, T-3:Farmer’s varietySeed treatment : Thiram or Captan @ 2.5g/kg of seed before sowing400 – 500g seed is sufficient to raise seedlings for one hectare.Sowing : September Spacing : 60cm X 45cmFertilization: 80 – 100kg N, 80kg P and 60kg K. | IIHR 2018 | Assess  | 0.75 | 3 | Longkhum, Kupza, Longpa | Feb-July | 1 | 2 | 3 | - | - | - | 3 |
| Varietal evaluation | **Varietal assessment of cauliflower****T-1**: Cashmere, **T-2**: Candid Charm **T-3**:**Madhuri****T-4:**Farmer’s varietySeed treatment : Thiram or Captan @ 2.5g/kg of seed before sowingSowing : September Spacing : 50cm X 45cmFertilization: 130 – 150kg N, 90kg P and 90kg K. | IARI2016 | Assess  | 0.75 | 3 | Kinunger, Aliba, Longjang | August-December | 1 | 2 | 3 | - | - | - | 3 |
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| **Mandated activities** | **Thematic Area** | **Technology/Crop/Cropping system** | **Source and Year of release** | **Demon (No.)** | **Area (in Ha)** | **Location** | **Period and Duration** | **Number of beneficiaries** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **Front Line Demonstration** | Vegetable production | Demonstration on high yielding and disease resistant chilli variety ArkaKhyati | IIHR 2016 | 6 | 3 | Longsa, Kupza, Changtongya, Mangmetong | Feb-Nov | 2 | 4 | 6 |  |  |  | 6 |
| Popularization of disease resistant chilli variety ArkaMeghana | IIHR 2014 | 6 | 3 | Longsa, Longkhum, Longpa, Unger | Feb-August | 3 | 3 | 6 | - | - | - | 6 |
| Popularization of disease resistantTomato variety ArkaSamrat | IIHR 2016 | 6 | 3 | Mangmetong, Longkhum, Chanyongya, ChuchuyimlNG | March-July | 3 | 3 | 6 |  |  |  | 6 |
| Income generation through high value crop (Broccoli var. Green Magic) | ICAR 2016 | 6 | 3 | Kinunger,Satsu, Changtongya, Aliba | Aug-Dec | 3 |  3 | 6 | - | - | - |  6 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Mandated activities** | **Target group** | **Title of the training****Programme and No. of Courses in bracket** | **No. of training progs** | **Period of the year** | **Duration (in days)** | **On/Off campus** | **Number of beneficiaries** | **Remarks** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **On and Off campus training programmes** | Farmer and Farm women | Nursery raising and management of chilli and tomato | 2 | Feb/March | 2 | Off  | 17 | 33 | 50 | - | - | - | 50 |  |
| Improved cultivation practices of Chilli | 1 | February | 1 | Off  | 12 | 13 | 25 | - | - | - | 25 |
| Improved cultivation practices of tomato. | 1 | March  | 1 | Off  | 11 | 14 | 25 | - | - | - | 25 |
| Scientific Production technology of banana | 1 | April | 1 | On | 10 | 15 | 25 | - | - | - | 25 |
| Mulching in chilli and tomato | 1 | May | 1 | Off  | 12 | 13 | 25 | - | - | - | 25 |
| Management of orange orchards | 1 | June | 1 |  Off | 11 | 14 | 25  | - | - | - | 25 |
| Winter vegetable nursery raising and management  | 2 | Aug/Sep | 2 | Off  | 20 | 30 | 50 | - | - | - | 50 |
| Improved Production technologies of potato | 1 | Oct | 1 | Off | 10 | 15 | 25 | - | - | - | 25 |
| Processing and value addition of fruits | 1 | December  | 1 | On  | 10 | 15 | 25 | - | - | - | 25 |
| Rural Youth | Nutritional gardening | 1 | April  | 1 | On | 06 | 14 | 20 | - | - | - | 20 |
| Scientific production of vegetable seedling | 1 | Sep. | 2 | Off  | 08 | 12 | 20 | - | - | - | 20 |
| Value addition of fruits | 1 | Nov | 3 | On  | 06 | 14 | 20 | - | - | - | 20 |
| Extension Personnel | Improved Production technologies of potato | 1 | March  | 1 | On  | 12 | 08 | 20 | - | - | - | 20 |
| Mulching of vegetable crops | 1 | Sep  | 1 | On  | 09 | 11 | 20 | - | - | - | 20 |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO (including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Sponsored training programmes** | Farmer and Farm women |  |  |  |  |  |  |  |  |  |  |  |  | ATMA |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop outs) | Scientific cultivation practices of vegetables | 1 | October | 2 | Off  | 12 | 15 | 27 |  |  |  | 27 |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
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**Discipline: Animal Science**

**Name of the concerned Subject Matter Specialist :**Dr.S. Sarendi Walling

**Mobile No: 7005050701** **E-mailaddress:**sarendiwalling@gmail.com

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| **Mandated activities** | **Thematic Area** | **Details of Technology**  | **Source and Year of release** | **Assess/Refine** | **Area (in Ha)** | **No of trial** | **Location** | **Period and Duration** | **Number of beneficiaries** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **On farm testing** | Feed management | Assessment of Azolla (A. caroliniana) feeding as dietary supplementation in backyard poultry feeding  | National Institute of Animal Nutrition and Physiology(NIANP), Bangalore, 2012 | A | 30 birds per beneficiary | 3 | Villages under EAC Kobulong | Whole year round | 3 | - | 3 | - | - | - | 3 |
| Breed introduction | Introduction of Kumrupa chicken in backyards | AIRCP on Poultry Breeding, AAU, Jorhat, 2015  | A | 30 birds per beneficiary | 5 | Villages under EAC Kobulong | Whole year round | 5 | - | 5 | - | - | - | 5 |
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| **Mandated activities****Front Line Demonstration**  | **Thematic Area** | **Technology/Crop/Cropping system** | **Source and Year of release** | **Demon (No.)** | **Area (in Ha)** | **Location** | **Period and Duration** | **Number of beneficiaries** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| Health care | Demonstration on iron injection and supplementation of vitamin-mineral mixture for production of quality piglets | ICAR, NEHR, 2009 | 3331 |  3 units  | Villages under EAC Kobulong | Whole year round | 15 | - | 15 | - | - | - | 15 |
| Integrated livestock farming  | Popularization of Integrated farming system involving fish and White pekin | CARI, UP | 1 |  5 units | Villages under EAC Kobulong | Whole year round | 5 | - | 5 | - | - | - | 5 |
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| **Mandated activities** | **Target group** | **Title of the training****Programme and No. of Courses in bracket** | **No. of training progs** | **Period of the year** | **Duration (in days)** | **On/Off campus** | **Number of beneficiaries** | **Remarks** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **On and Off campus training programmes** | Farmer and Farm women | 1. Piggery management (4)2. Poultry management (1) | 5 | Whole year round | 1 day | On=1Off=4 | 45 | 30 | 75 | - | - | - | 75 |  |
| Rural Youth | 1. Piggery management (3)2. Poultry management (1) | 4 | Whole year round | 1 day | On=1Off=3 | 40 | 20 | 60 | - | - | - | 60 |
| Extension Personnel | 1. Integrated farming approach in livestock(1) | 1 | Whole year round | 1 day | Off= 1 | 10 | 5 | 15 | - | - | - | 15 |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO (including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Sponsored training programmes** | Farmer and Farm women | 1. Piggery management (5) | 5 | Jan 2022 to March 2022 | 3 days | Off= 5 | 160 | 40 | 200 | - | - | - | 200 | Ministry of Fisheries, Animal Husbandry and Dairying |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Vocational training programmes** | Farmer and Farm women | 1. Piggery production and management(1) | 1 | Whole year round | 2 days | Off= 1 | 15 | - | 15 | - | - | - | 15 |  |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
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**Discipline:Plant Protection**

**Name of the concerned Subject Matter Specialist:**Dr.RuopfȕselhouKehie

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| **Mandated activities** | **Thematic Area** | **Details of Technology**  | **Source and Year of release** | **Assess/Refine** | **Area (in Ha)** | **No of trial** | **Location** | **Period and Duration** | **Number of beneficiaries** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **On farm testing** | Integrated Pest Management | IPM on Fall Army Worm :T-1. *Metarhiziumanisopliae* talc formulation@ 5g/litre whorl application at 15-25 days after sowing + Spraying of *Beauveriabassiana*&*Bacillus thuringensis*var*Kurstaki*& 2g/lt of water. 1. T-2. Spraying of Emamectin benzoate5%SG @ 0.4g/lt.
 | ICAR, 2019 | Assessment | 0.75 | 3 | Longkong, Sungratsu and Yisemyong | April– July ‘22 | 3 | 3 | 6 | - | - | - | 6 |
| Biological control | Management of major insect pests in ChilliT-1:Alternate Spraying of *Lecanicilliumlicanii*@ 5 ml/lt of water and Azadirachtin 0.03 EC @ 5ml/lt. at 15 days interval at pre flowering stage.T-2: Yellow Sticky trapT-3: Control | Entomology Section, ICAR, Umiam, 2017 | Assessment | 0.5 | 2 | Khensa&Monsenyimti | April– July ‘22 | 2 | 2 | 4 | - | - | - | 4 |
|  | Biological control | Management of Late Blight in TomatoT-1 :ArkaSamrat (Resistant Variety)T-2 : ArkaAbhedT-3 : Farmers practice + Spraying of Copper Oxychloride (COC) @ 0.25% (25 g /10 L of water at 7-10 days interval with the onset of disease occurance).T-4: Farmers Practice without COC | IIHR Bangaluru, 2010 | assessment | 0.70.5 | 2 | Longkhum&Mangmatong | April– July ‘22 | 2 | 2 | 4 | - | - | - | 4 |
|  |
| **Mandated activities** | **Thematic Area** | **Technology/Crop/Cropping system** | **Source and Year of release** | **Demon (No.)** | **Area (in Ha)** | **Location** | **Period and Duration** | **Number of beneficiaries** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **Front Line Demonstration** | Integrated Pest Management | Popularization of Pheromone trap for management of Fruit fly in Cucurbits | IARI, 2013 | 322 | 1 | Satsu&Kinunger | April – June ‘22 | 2 | 2 | 4 | - | - | - | 4 |
| Integrated Disease Management | Management of *Rhizoctonia*root rot in Pea using *Trichoderma spp.* Seed treatment with *Trichodermaviridi* @ 5-10 gm/Kg seedsSoil treatment @ 6-8 Kg/ha of landFolliar spray @ 5-10 g/lt of water | SBCL, Upper Shillong, 2008 | 22 | 2 | Alichen&Longjang | August – Dec ‘22 | 3 | 3 | 6 | - | - | - | 6 |
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| **Mandated activities** | **Target group** | **Title of the training****Programme and No. of Courses in bracket** | **No. of training progs** | **Period of the year** | **Duration (in days)** | **On/Off campus** | **Number of beneficiaries** | **Remarks** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **On and Off campus training programmes** | Farmer and Farm women | 1. Integrated pest management of FAW in maize (1)2. Pests &Diseses of Chilli and their managrement (1)3. Management of Insect Pests in Cucurbits (1)4. IDM in Pulses with special references to Pea(1) | 3222 | MayJuneAprilSeptember | 3222 | OffOffOffOff | 30202020 | 30202020 | 60404040 |  |  |  | 60404040 |  |
| Rural Youth | 1.Seasonal management of Honey bee (1) | 2 | October | 2 | Off | 20 | 20 | 40 |  |  |  | 40 |
| 1.Rodent Management (1) | 1 | August | 1 | On | 10 | 10 | 20 |  |  |  | 20 |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO (including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |
| **Vocational training programmes** | Farmer and Farm women |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |
| **Sponsored training programmes** |  | **Sponsoring agency** |
| Farmer and Farm women |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop-outs) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Discipline: Soil Conservation**

**Name of the concerned Subject Matter Specialist:**Imtilemla

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|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Mandated activities** | **Thematic Area** | **Details of Technology**  | **Source and Year of release** | **Assess/Refine** | **Area (in Ha)** | **No of trial** | **Location** | **Period and Duration** | **Number of beneficiaries** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **On farm testing** | Soil health | Assessment of Brown manuring (Dhaincha) in upland/jhum paddyTechnology:1. Broadcasting &growing Dhaincha crop @ 20 kg/ha alongwith upland jhum paddy upto 25-30 days and knocking it down by using 100 kg salt/ha (10% NaCl) about 25- 30 days after sowing. 2. Stalebed system 3. Farmer practice | G.B Pant University of Agriculture, Pantnagar&ICAR-ATARI and ICAR for NEH, 2017 | A | 0.15 | 3 | 3/Kubolong&Ongpangkong block | March-Oct’22 | 3 | - | 3 |  |  |  | 3 |
| Soil amendment (lime/others) | Assessment of lime on performance of potato/Application of Lime @ 400 kg/ha in furrows + 50% RDF (120:120:60)+ 1 t/ha vermicompost. 100% RDF, Lime only | ICAR Complex for NEH region, Umiam ,2021 | A | 0.15  | 3 | 3/ Ongpangkong&Kobulong block |  | 3 | - | 3 |  |  |  | 3 |
| Nutrient management | Integrated Nutrient Management in Soyabean/ Application of rhizobium 200g/kg of seed + 20:60: 40 NPK Kg/ha + FYM 10t/ha+ furrow liming @ 500 kg/ha, 100% RDF, farmer practice | IARI, New Delhi, 2004 | A | 0.15  | 3 | 3/ Ongpangkong&Kobulong block | June- Nov | 3 | - | 3 |  |  |  | 3 |
|  |
| **Mandated activities** | **Thematic Area** | **Technology/Crop/Cropping system** | **Source and Year of release** | **Demon (No.)** | **Area (in Ha)** | **Location** | **Period and Duration** | **Number of beneficiaries** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **Front Line Demonstration** | Soil health | Popularization of enriched compost for organic agriculture **Technology details**Amending normal compost with 1% P as Rock Phosphate together with inoculating Azospirillum/ Azotobacter and Phosphate Solubilizing Bacteria (PSB) each and curing for about 20-25 days in shade.For 100 kg compost, 1 kg N-fixer, 1 kg PSB and 17 kg Rock Phosphate.  | AAU, Jorhat 2012 | 10 | 3 | Ongpangkong&Langpangkong block | Feb/march-sept/oct | 10 | 10 | 20 |  |  |  | 20 |
| Soil amendment(Lime/ Others) | Popularization of use of biochar for acid soil management **Technology details**Charring of locally available weed biomass and/or sugarcane leaves and peels, rice straw and husk, paddy leaves and stalks) in covered pits (2x3x3 ft3) or in covered drums, which will be finely gounded and sieved for easy soil application. This biochar will be applied in the soil @ 5-10 tons/ha by mixing well in the soil.  | ICAR Complex, Sikkim & IISS, Bhopal, 2018 |  3 | 2  | Ongpangkong block | Aug/sept-dec | 10 | 10 | 20 |  |  |  | 20 |
|  |
| **Mandated activities** | **Target group** | **Title of the training****Programme and No. of Courses in bracket** | **No. of training progs** | **Period of the year** | **Duration (in days)** | **On/Off campus** | **Number of beneficiaries** | **Remarks** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **On and Off campus training programmes** | Farmer and Farm women | 1. Soil Health & fertility management  | 2(1) | Jan & Feb’22,  | 2 | Off | 20 | 30 | 50 |  |  |  | 50 |  |
| 2. Awareness of Soil& water conservation inHill Agriculture | 2(1) | Jan &Feb’22,  | 2 | Off | 20 | 30 | 50 |  |  |  | 50 |
| 3. Importance of Integrated nutrient management in agriculture | 1(1) | June’22,  | 1 | Off | 10 | 10 | 20 |  |  |  | 20 |
| 4. Safe and judicious use of chemical fertilizers | 1(1) | Feb’22 | 1 | Off  | 5 | 5 | 10 |  |  |  | 10 |
| 5. Use of organics in vegetable production in homestead garden | 1(1) | Mar’22  | 1 | Off | - | 20 | 20 |  |  |  | 20 |
| 6. Preparation of Organic manures and fertilizers | 1(1) | Aug’22  | 1 | Off | 10 | 10 | 20 |  |  |  | 20 |
| 7. Soil & water conservation technology for hill Agriculture | 1(1) | Nov’22  | 1 | Off | 10 | 10 | 20 |  |  |  | 20 |
| 8. Amelioration of acid soil for improvement of soil health | 1(1) | Sept’22 | 1 | Off  | 10 | 10 | 20 |  |  |  | 20 |
| Vermicomposting  | 1(1) | Jan’22 | 1 | Off  | 5 | 10 | 15 |  |  |  | 15 |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO (including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |
| **Vocational training programmes** | Farmer and Farm women |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |
| **Sponsored training programmes** |  | **Sponsoring agency** |
| Farmer and Farm women |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop-outs) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |

**EXTENSION ACTIVITIES PROPOSED FOR THE YEAR 2022**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Specific activity** | **No. of activities** | **Period of the year** | **Duration (in days)** | **Number of beneficiaries (No.)** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** | **M** | **F** |
| Diagnostic visit | 41 | Apr-Dec | 41 | 52 | 75 | 127 |  |  |  | 52 | 75 |
| Advisory services/ telephone talk | 33 | Apr-Dec | 33 | 174 | 201 | 375 |  |  |  | 174 | 201 |
| Training Manual | 3 | Apr-Dec |  |  |  |  |  |  |  |  |  |
| Celebration of Important days |  |  |  |  |  |  |  |  |  |  |  |
| Exhibition |  |  |  |  |  |  |  |  |  |  |  |
| Exposure visit | 1 | June |  | 12 | 13 | 15 | - | - | - | 12 | 13 |
| Extension literature (Leaflet/ folders/ Pamphlets) | 6 | Apr-Dec | - |  |  |  | - | - |  |  |  |
| Extension / technical bulletin | 1 | Dec | - |  |  |  | - | - | - |  |  |
| News letter | 2 |  |  |  |  |  | - | - | - |  |  |
| News paper coverage | 14 | Apr-Dec | - |  |  | - | - | - | - |  |  |
| Research publications |  |  |  |  |  |  |  |  |  |  |  |
| Success stories/ Case studies |  |  |  |  |  |  |  |  |  |  |  |
| Farm Science Clubs’ Convenors meet |  |  |  |  |  |  |  |  |  |  |  |
| Farmers’ Seminar |  |  |  |  |  |  |  |  |  |  |  |
| Farmers’ visit to KVKs | 4 | Jul & Sept | 4 | 25 | 35 | 60 | - | - | - | 25 | 35 |
| Ex-trainees’ meet |  |  |  |  |  |  |  |  |  |  |  |
| Field day | 10 | Apr-Dec | 10 | 75 | 90 | 165 | - | - | - | 75 | 90 |
| Film show | 2 | Apr &Jun | 2 | 15 | 25 | 40 | - | - | - | 15 | 25 |
| Radio Talk | 10 | Apr-Dec |  |  |  |  |  |  |  |  |  |
| TV talk |  |  |  |  |  |  |  |  |  |  |  |
| KisanGosthi | 1 | Sept | 1 | 20 | 25 | 45 | - | - | - | 20 | 25 |
| Group Meeting | 6 | Apr-Dec | 6 | 50 | 60 | 110 | - | - | - | 50 | 60 |
| KisanMela | 1 | Sept | 1 |  |  |  | - | - | - |  |  |
| Soil Health Camps | 1 | July | 1 | 15 | 15 | 30 |  |  |  | 15 | 15 |
| Animal Health Camps | 1 | May  | 1 | 20 | 30 | 50 |  |  |  | 20 | 30 |
| Awareness campMobile Agro-Advisory (Messages/ Beneficiaries) | 200  | Apr-Dec |  |  |  | 4408 |  |  |  |  |  |
| Method demonstration | 15 | Apr-Dec | 15 | 88 | 91 | 179 |  |  |  | 88 | 91 |
| Scientists’ visit to farmers’ field | 32 | Apr-Dec | 32 | 66 | 79 | 145 |  |  |  | 66 | 79 |
| Workshop/ Seminar |  |  |  |  |  |  |  |  |  |  |  |
| Soil Testing | 300 | Apr-Dec |  | 125 | 175 | 300 |  |  |  | 125 | 175 |
| Water Testing |  |  |  |  |  |  |  |  |  |  |  |
| Plant Testing |  |  |  |  |  |  |  |  |  |  |  |
| Manure Testing |  |  |  |  |  |  |  |  |  |  |  |
| Any other (Pl. Specify) |  |  |  |  |  |  |  |  |  |  |  |

**ACTIVITY CALENDAR OF THE KVK (MONTH-WISE TARGET TO BE COMPLETED) FOR THE YEAR 2022-23**

**KVK:Mokokchung**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Activity/ Month** | **Apr** | **May** | **June** | **July** | **Aug** | **Sep** | **Oct** | **Nov** | **Dec** | **Jan** | **Feb** | **Mar** | **Total** |
| **OFT (No.s.)** |
| 1. Number of Technologies
 | 3 | 2 | 1 | 1 | 1 |  | 2 |  |  |  | 2 | 2 | **14** |
| 1. Number of Trials
 | 8 | 5 | 3 | 3 | 3 |  | 5 |  |  |  | 6 | 6 | **39** |
| 1. Area (ha)/ items (no.)
 | 3 units | 0.5+3 units | 0.15 | 0.5 | 0.75 |  | 1.0 |  |  |  | 1.0 | 0.15 + 3 units | **4 +9 units** |
| **FLD (Nos.)** |
| 1. Number
 | 2 | 13 | 3 |  | 11 |  | 8 | 6 |  |  | 22 | 6 | **71** |
| 1. Area(ha)/ items (no.)
 | 1 | 5 +3 units | 3 units |  | 7 |  | 1 | 1 |  |  | 9 | 3 | **27+6 units** |
| **Training programme** |
| **Farmer** |
| 1. No. of course
 | 6 | 5 | 5 | 2 | 5 | 5 | 3 | 2 | 1 | 4 | 6 | 4 | **48** |
| 1. No. of participants
 | 150 | 125 | 125 | 50 | 125 | 125 | 75 | 50 | 25 | 100 | 150 | 100 | **1200** |
| **Rural Youth** |
| 1. No. of course
 | 1 |  |  |  |  | 2 | 3 | 3 | 1 |  | 1 |  | **11** |
| 1. No. Of participants
 | 20 |  |  |  |  | 35 | 55 | 50 | 15 |  | 20 |  | **195** |
| **Ext. Personnel** |
| 1. No. of course
 | 1 |  |  |  | 2 | 2 |  |  |  |  |  | 1 | **6** |
| 1. No. Of participants
 | 20 |  |  |  | 35 | 35 |  |  |  |  |  | 20 | **110** |
| **Extension Activities/ programmes** |
| 1. No. of activities
 | 18 | 20 | 27 | 18 | 17 | 20 | 14 | 21 | 12 | 19 | 11 | 12 | **209** |
| 1. No. of beneficiaries
 | 371 | 403 | 517 | 370 | 347 | 399 | 296 | 421 | 254 | 379 | 211 | 232 | **4200** |
| **Seeds production (tonnes)** | 0.35 |  | 0.1 | 0.51 |  | 0.3 |  | 0.25 |  |  |  |  | **1.51** |
| **Planting materials (Nos. in Lakh)** | 0.155 |  |  |  |  | 0.195 |  |  |  |  |  |  | **0.35** |
| **Livestock strains (No. )** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Fingerlings (No. in lakh)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Bio-agents/ products (tonnes)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Bio-fertilizers/ Vermicompost etc. (in Tonnes)** |  |  |  | 0.025 |  |  |  |  | 0.025 |  |  |  | **0.05** |
| **Soil , Water, Plant, Manures Testing****(No. of samples to be tested)** | 100 |  |  |  | 100 |  |  |  | 100 |  |  |  | **300** |
| **Soil , Water, Plant, Manures Testing****(No. of farmers benefitted)** | 100 |  |  |  | 100 |  |  |  | 100 |  |  |  | **300** |
| **Soil , Water, Plant, Manures Testing****(No. of villages covered)** | 1 |  |  |  | 1 |  |  |  | 1 |  |  |  | **3** |
| **Mobile Agro-Advisory (No. of Messages)** | 16 | 13 | 18 | 20 | 22 | 19 | 21 | 19 | 10 | 14 | 13 | 15 | **200** |
| **Mobile Agro-Advisory (No. of Farmers)** | 397 | 275 | 438 | 459 | 461 | 412 | 445 | 440 | 236 | 268 | 264 | 313 | **4408** |