**INDIAN COUNCIL OF AGRICULTURAL RESEARCH**

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

**Umiam, Meghalaya**

***Format for Annual Action Plan Formulation of KVKs 2023***

**Name of the KVK/District: MAMIT DISTRICT, LENGPUI, MIZORAM**

**Present Staff Position in KVK:**

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| **Sl. No.** | **Name** | **Gender (M/F)** | **Category (General/OBC/SC/ST)** | **Designation** | **Discipline** |
| 1. | **Dr. Vanlalhruaia Hnamte** | **M** | **ST** | **Senior Scientist & Head** | Agroforestry |
| 2. | Dr. C. Rinawma | M | ST | SMS | Animal Science |
| 3. | Dr. Vanlalhruaia  | M | ST | SMS | Plant Protection |
| 4. | Dr. Rebecca Lalmuanpuii | F | ST | SMS | Agroforestry |
| 5. | Vanlalhmuaka Ngente | M | ST | SMS | Horticulture |
| 6. | Rualthantluanga Pachuau | M | ST | SMS | Fisheries |
| 7. | Vanlalruali | F | ST | SMS | Agriculture Extension |
| 8. | K. Zohmingliani | F | ST | Programme Assistant | Agriculture |
| 9. | Biakhlupuii Chenkual | F | ST | Programme Assistant | Home Science |
| 10. | K. Lalramchama | M | ST | Programme Assistant |  |
| 11. | Lalrinchhana Sailo | M | **ST** | Assistant |  |
| 12. | B. Laldinpuii | F | ST | Stenographer |  |
| 13. | Lalchuailova | M | ST | Driver-cum-Mechanic |  |
| 14. | Lalchungnunga | M | ST | Driver-cum-Mechanic |  |
| 15. | P.C. Lalthanpuii | F | ST | Supporting Staff |  |
| 16. | Laltanpuia | M | ST | Supporting Staff |  |
| **Total :**  |

***Please furnish discipline-wise information in the given format pertaining to the mandated activities of your KVK targeted to be accomplished during 2023***

**Discipline: HORTICULTURE**

**Name of the concerned Subject Matter Specialist: Vanlalhmuaka Ngente**

**Mobile No:**  9383074602 **E-mail address:** hmuakakvk@gmail.comn

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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 varietal performance of different varieties of French bean var.Arka Sukomal, Zorin and local**Technology:**TO1 : Arka Sukomal (High yielding, indeterminate,rust resistant pole typevariety.)TO2: Zorin (State Variety)TO3: Farmer’s local varietyPOP: Spacing- 90 X 15 cm, Seed treatment- Trichoderma @ 4 g/kg, application ofFYM 10 t/ha, DAP:MOP @ 70:30 kg/ha | ICAR-IIHR, Bangalore 2018 | A | 0.5 | 3 | Dialdawk, Lengte, Darlak | 2023 | 3 | - | 3 | - | - | - | 3 |
| Nutrient Management | Assessment of interaction effect of Zinc and Boron on the growth and yield of Tomato**Technology:** TO-1: Soil application of Zinc sulphate and Borax @ 10 kg//ha +One- time foliar spray of Zn and B @ 0.5% at 25 DATTO-2: Farmer practice | ICAR Umiam 2021 | A | 0.5 | 3 | Darlak, Lengte, Rulpuihlim | 2023 | 2 | 1 | 3 | - | - | - | 3 |
| Protected cultivation | Cultivation of Gerbera under protected condition**Technology:**Variety: Arka NesaraTO1 : Cultivation of Gerbera under Protected conditionTO2: Cultivation of Gerbera in open field conditionSoil sterilization with Hydrogen Peroxide Silver.Planting density and spacing: 30 X 30 cmFYM 25 t/ha . During vegetative stage application of 20:20:20:N:P:K @ 1.5 g/l of waterevery two days & during flowering application N:P:K 15:8:35 at the rate of 1.5 g/lWater/day. | ICAR –Indian Institute of Horticultural research Research, Bangalore, 2019 | A | 0.5 | 3 | Lengpui, Rulpuihlim | 2023 | 2 | 1 | 3 | - | - | - | 3 |
| Integrated Weed Management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Water Management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tillage Management/ Farm Machinery |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming System/ Integrated Crop Management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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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** |
| INM | Cultivation of garden pea by using organic source of nutrient**Technology:**Variety: Pusa PragatiSpacing : 30cm X10 cmSeed rate : 80-100 kg/haSeed treatment with @20g Rhizobium culture/kg seeds Mixed in jaggy solutionand dried in shadeManure application: Vermicompost@ 2.5 t/ha | AAU, Jorhat, 2012 | 10 | 2.0 | Darlak, DialdawkLengpui, Rulpuihlim, Lengte | 2023 | 7 | 3 | 10 | - | - | - | 10 |
| Popularization of variety | Popularization of French bean variety Zorin (MZFB-48) for nutritional security& higher production | ICAR RC NEH Mizoram Centre, Kolasib Mizoram 2018-19 | 10 | 2.0 | Dialdawk, Darlak,Lengte, Lengpui | 2023 | 6 | 4 | 10 | - | - | - | 10 |
| IDM | Popularization of multiple disease resistant tomato hybrid, ArkaAbhed (H-397) for higher income.Resistant to leaf curl, bacterial wilt, early & late blight | IIHR, Bangalore 2018-19 | 10 | 4.0 | Dialdawk, Darlak,Lengte, Lengpui | 2023 | 7 | 3 | 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** | **Total** |
| **On and Off campus training programmes** | Farmer and Farm women | 1. Cultivation of Fruit crops (4)
2. Plant propagation techniques (3)
3. Rejuvenation of old orchards (3)
4. Cultivation of plantation crops (4)
5. Nursery raising of vegetable crops (2)
6. Protective cultivation of vegetable crops (3)
7. Good Agricultural practices for cultivation of vegetable crops
 | 10 | April 2023 to March 2024 | 2 to 3 days training | On OffOn Off  Off &OnOff &On Off &On  | 150 | 100 | 250 | - | - | - | 250 | The titles of the training are tentative and subject to alteration on the convenient of the targeted group. |
| Rural Youth | 1. Planting material production (3)
2. Commercial fruit production (4)
3. Nursery Management of Horticulture crops(3)
 | 7 | April 2023-March2024 | 3 | On & Off | 105 | 70 | 175 | - | - | - | 175 |
| Extension Personnel | 1. Protected cultivation technology
2. Rejuvenation of old orchards
 | 2 | April 2023 –March 2024 | 3 | On | 12 | 8 | 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: PLANT PROTECTION**

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

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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 Disease Mgmt | **Management of late blight disease in Potato:**One spraying of Mancozeb 75% @0.25% (2.5g/lit) at canopy closure (35-40 DAS)Second spraying of Cymoxanil 8% + Mancozeb 64% @0.25% at first appearance of disease. Third spraying of Mancozeb @0.25% after 10 days of second spraying and fourth spraying of Cymoxanil 8%+Mancozeb 64% @ 0.25% after 10 days of third spraying. | AAU, Jorhat2015 | Assess | 0.3 | 3 | Dialdawk,Lengpui | Rabi, 2023 | 3 | - | 3 | - | - | - | 3 |
| Integrated Disease Mgmt | **Blast Disease Management in Rice:**1.Field sanitation.2. Seed treatment with *Pseudomonus* *flourescens* @ 10 g/kg of seeds.3. Spraying with Copper oxychloride @ 0.25% or Copper hydroxiimmediately after the onset of disease and should be continued at 7-10 days interval until the disease become less severe.de @ 0.25%. This should be done  | ICAR – National Organic Farming Research Institute, 2016 | Assess | 0.3 | 3 | Dialdawk, Lengpui | Kharif, 2023 | 3 | - | 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** | Integrated Pest Mgmt | **1. Management of Stem borer & Leaf folder in Rice:**i)Use of disease and insect free pure seeds.ii)Clipping of tip of seedlings at the time of transplanting.iii)Release of Trichogrammajaponicum& T. chilonisiv)Spraying of Cartap Hydrochloride 50% SP@ 1000gm/ha for stem borer & leaf folder.v)Spraying of Imidacloprid (17.8% SL) @ 1.5ml/litre of water for plant hopper.vi)Spraying of Tricyclazole | NCIPM2014 | 10 | 0.4 | Dialdawk | June-Nov., 2023 (120-135 days) | 10 | - | 10 | - | - | - | 10 |
|  | 2. **Management of Fruit Fly in Tomato to prevent loss :** 1).Collection of affected fruits and destroyed.2) Use of male annihilation technique, i.e, use of methyl eugenol and Malathion (1:4) @ 12 traps per ha. | ICAR, Kolasib2018 | 10 | 0.4 | Dialdawk&Lengpui | Rabi, 2023 | 10 |  | 10 |  |  |  | 10 |
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|  | **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 | Integrated Pest Management, Integrated Disease Management, Bio-control of pest and diseases, Judicious use of pesticides, weed management in agriculture and horticulture crops | 8 | 2023 | 8 | On & off campus | 250 | 100 | 350 | - | - | - | 350 |  |
| Rural Youth | Mushroom production | 5 | 2023 | 5 | On-campus | 75 | 50 | 100 | - | - | - | 125 |
| Extension Personnel | Integrated Pest Management, Integrated Disease Management in field crops & horticulture crops | 1 | 2023 | 1 | On-campus | 10 | 5 | 15 | - | - | - | 15 |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO (including school drop outs) | Integrated Pest Management, Integrated Disease Management in agriculture and horticulture crops | 1 | 2023 | 1 | On-campus | 15 | 10 | 25 | - | - | - | 25 |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Sponsored training programmes** | Farmer and Farm women |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Youth | Mushroom production | 1 | November-December, 2023 | 3 | On-campus  | 10 | 15 | 25 |  |  |  | 25 |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
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**Discipline: AGRO-FORESTRY**

**Name of the concerned Subject Matter Specialist : Dr. Rebecca Lalmuanpuii**

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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** | Intercropping | Intercropping of Banana with Soyabean and Sesamum**Technology:**Spacing: Banana: 3 X 3 m between the planting rows and within rows followingcontour lines on slopes to decrease soil erosion.TO1 – Banana with SoyabeanTO2 – Banana with SesamumTO3 – Banana aloneFertilizer: 12.5kg of N/acre & 32kg of P/acre**Farmer’s Practice:**Monocropping (Banana) | Division of Crop Production, ICAR Research Complex for NEH region, Umiam, Meghalayaunder Intercropping for Climate Resilient Agriculture in NEH Region of India, 2019 | A | 0.2 | 3 | Darlak, Dialdawk,Lengte | 2023 | 2 | 1 |  |  |  |  | 3 |
| Cultivation of high value crop | Open Cultivation of Betel vine and Black pepper with support/live trees (Moringa).**Technology:**Support and shade plants: Moringa (drumstick) which is fast growing & easilypropagated by cuttings) to be planted/sown in 60 - 70 cm rows at least 45 days beforeplanting the cuttings of Betel leaf and Black pepper.TO1 – Moringa with BetelvineTO2 – Moringa with Black pepperTO3 – Moringa alone**Farmer’s Practice:**Moringa alone | Banda University of Agriculture & Technology, Banda, UP, 2019 | A | 0.2 | 3 | Dialdawk, Hmunpui,W.Serzawl | 2023 | 2 | 1 |  |  |  |  | 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** | Reclamation of waste land forest with Broom grass | Popularization of Systemic cultivation of Broom grass onabandoned jhum land for reclamation of wasteland andeconomic upliftment of rural areas.**Technology:**Spacing: 3 X 3 m row to row & plant to plant in contourlines or on the bunds (1111 plt in 1 ha.) during May toJune.Manuring: 10 g of FYM per pit.**Farmer’s Practice:**Random planting. | SFRI, Dept. of Environment & Forests, Govt. of Arunachal Pradesh,Itanagar, 2012 | 101010 | 2.0 | Nghalchawm, Hmunpui, Dialdawk | 2023 | 6 | 4 |  |  |  |  | 10 |
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| Intercropping | Intercropping of tree bean with turmeric under organic management**Technology:**Sowing time: April-JulySeed rate: 12 qt/ha.Spacing: 45-60c m X 25 cm(Organic management Technologies)Treatment of Rhizome with Trichoderma harzianum @ 25gm/kgOrganic Nutrient Management-FYM/Compost as basal dose @ 20 t/ha at landpreparationFYM+Trichoderma+neem cake mixture @ 100gm/planting pit to apply at the time of planting-Mulching with green leaves if necessary.**Farmer’s Practice:**Organic rhizome, No rhizome treatment and Randomplantation | AAU Jorhat, 2019 | 110 | 2.0 | Lengte, Reiek, Dialdawk | 2023 | 7 | 3 |  |  |  |  | 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** | **Total** |
| **On and Off campus training programmes** | Farmer and Farm women | 1. Intercropping of Banana with Soyabean and Sesamum (2)
2. Cultivation practices of Moringa (2)
3. Cultivation practices of Betel Vine and Black pepper (2)
4. Reforestation of waste land with Broom grass (2)
5. Cultivation practices of Bamboo (2)
6. Importants of Agroforestry in hilly areas (2)
7. Cultivation of Turmeric under Tree bean (2)
8. Organic farming (1)
 | 22222221 | April, 2023May, 2023June, 2023June, 2023July, 2023August, 2023September, 2023October, 2023 | 22222221 | On & OffOn & OffOn & OffOn & OffOn & OffOn & OffOn & OffOn | 2020252025202025 | 1515152515201520 | 3535404535403545 | -------- | -------- | -------- | 3535404535403545 | The titles of the training are tentative and subject to alteration on the convenient of the targeted group. |
| Rural Youth | 1. Shifting cultivation and its impact (2)
2. Role of Agroforestry in conservation of forest and Soil erosion (2)
3. Important of Trees for protection of environment (2)
 | 222 | May, 2023May, 2023June, 2023 | **2****2****2** | OnOn & OffOn & Off | 353530 | 252030 | 605560 | --- | --- | --- | 605560 |
| Extension Personnel | 1. Vermicomposting (2)
 | 2 | August, 2023 | 2 | On | 15 | 15 | 30 | - | - | - | 30 |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO (including school drop outs) | 1. Cultivation of Mushroom (2)
 | 1 | December, 2023 & January, 2024 | 1 | On | 10 | 10 | 20 | - | - | - | 20 |
| Others  | 1. Skill training on Flower arrangement (1)
 | 1 | October, 2023 | 1 | On | 3 | 22 | 25 | - | - | - | 25 |
|  |  |
| **Vocational training programmes** | Farmer and Farm women | 1. Nursery Management (1)
 | 1 | September, 2023 | 5 | On | 10 | 10 | 20 | - | - | - | 20 |  |
| Rural Youth | 1. Organic farming (1)
 | 1 | December, 2023 | 5 | On | 15 | 10 | 25 | - | - | - | 25 |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
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**Discipline: ANIMAL SCIENCE**

**Name of the concerned Subject Matter Specialist :**. Dr.C Rinawma

**Mobile No: 9436140777 E-mail address: drcramz@gamil.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** | Castration | Chemicalcastration inpig:Injecting 2ml of preparedchemical (0.25g potassiumpermanganate+ 17 ml glacialacetic acid + 83ml steriledistilled water)injected @dose of 2mlintratesticular/testes. | ICAR-2012 | A | - | 3 | Lengpui,Saithah | 8 months | 2 | 1 | 3 | - | - | - | 3 |
| Popularization of species | Assessment ofKadaknathchicken inMamit district.**Technology:**Vaccinationagainst NCD,IBD, Mareksand GumboroDeworming at55 days of ageBalancedfeeding | NRCM-2007-8 | A | - | 3 | Lengpui,Rawpuichhip | 10 months | 3 | - | 3 | - | - | - | 3 |
| Integrated farming system | Goat-fish integratedFarming**Technology:**TO1:Rearing of goat- Breed:BeetalFish: Stockingdensity-8000/ha Species:Catla, Rohu, Mrigal, Silvercarp, Grass carp, CommoncarpTO2: Farmer practice(Goatary farm) | AAU, 2016 | A | - | 3 | Lengpui, Darlak | 2 years | 2 | 1 | 3 | - | - | - | 3 |
|  | EFFECT OF AREA SPECIFIC MINERAL MIXTURE ON THE PERFORMANCE OF CROSSBRED PIGSTechnology: Dose-50gm/day OD for 3 months at grower stage70 gm/day OD after 4 months & 100 gm/days after 6 months at finisher stage/gestation period/slow | Central Agricultural University, College of Veterinary Sciences & Animal Husbandry, Department of Nutrition, Selesih, Aizawl, Mizoram 2021  | A | - | 5 |  | 1 yr | 3 | 2 | 5 | - | - | - | 5 |
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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** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Fodder | Popularisation of Fodder:soyabean var. KDS-753**Technology:**Urea: 45 kg/haSSP: 375 kg/haMOP: 70 kg/haSeed rate: 75 kg/ha and 80kg/ha for late sowingAgainst yellow mosaicdisease: Dimethoate 30EC@ 1 in 800-1000 l per haAgainst insect/pest:Dichlorvos 100EC @ 0.5mlper l of water | KVK Talsande –Maharashtra 2016 | 10 | 2.0 | Saithah,WestPhaileng,Rawpuichhip | 10 months | 7 | 3 | 10 | - | - | - | 10 |
| IDM | Popularisation of vaccination forFowl Pox ‘BM’ strain vaccinePoultry vaccination Schedulewith special emphasis on FowlPox ‘BM’ strain vaccine(GLOBIVAC FP)Requirement of chickens for floorand perch space:Layer: 10 inDual Purpose: 8 inMeat: 6-8 in3. Management of poultry sheds | ICAR-CIWASeptember 2019 | 3 (25 farmers) | - | Saithah,WestPhaileng,Rawpuichhip, Reiek,Ailawng,Lengpui,Nghalchawm | 1 yr | 15 | 10 | 25 | - | - | - | 25 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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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 | Deworming and supplements routine in pigs | 7 | April 2023- Jan 2024 | 1 | On & off campus | 140 | 70 | 210 |  |  |  | 210 | The titles of the training are tentative and subject to alteration on the convenient of the targeted group. |
| Rural Youth | Poultry production | 1 | April 2023- March 2024 | 1 | On-campus | 15 | 10 | 25 |  |  |  | 25 |
| Extension Personnel | Integrated Pig and Fish farming | 7 | April 2023- March 2024 | 1 | On-campus | 10 | 5 | 15 |  |  |  | 15 |
| Civil Society | Climate change affecting our day to day lives | 10 | May 2023 – Feb 2024 | 1 | On – Off Campus | 30 | 30 | 60 |  |  |  | 60 |
| NGO (including school drop outs) | Climate change: its adaptation and mitigations | 5 | May 2023- Feb 2024 | 1 | On-campus | 15 | 10 | 25 |  |  |  | 25 |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |
| **Sponsored training programmes** | Farmer and Farm women | Layer Poultry Management | 10 | May 2023 – March 2024 | 3 | Off campus | 50 | 50 | 100 |  |  |  | 100 |  |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
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**Discipline: FISHERIES**

**Name of the concerned Subject Matter Specialist: Rualthantluanga Pachuau**

**Mobile No: 9612311668 E-mail address: peace.pachuau@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** | Incorporationof Amur Carp | Introduction / Incorporation of Amur Carp ( *Cyprinus carpio rubrofuscus*) in feed-based carp polyculture system to increase farm production.**Technology*** Stocking density 10000 fingerlings /ha

 at 40:30:30 ratio* Procurement of species
* Introduction of species in indigenous polyculture ponds
* Sampling for effectiveness of technology
 | College of Fisheries, CAU, Lembucherra, 2015 | A | - |  | Lengpui, Lengte, Dialdawk |  | 2 | 1 | 3 |  |  |  | 3 |
| Introduction of Pengba | Introduction / Incorporation of Pengba ( Osteobrama belangeri)in feed-based carp polyculture system to increase farm production.**Technology*** Stocking density 10000 fingerlings /ha

 at 40:30:30 ratio* Procurement of species
* Introduction of species in indigenous polyculture ponds
* Sampling for effectiveness of technology
 | College of Fisheries, CAU, Lembucherra, 2020 | A | - |  | Lengpui, Lengte, Dialdawk |  | 2 | 1 | 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** |
| Fish Breeding | Popularisation of breeding of Ornamental fishes.Species: Gold fish (*carassius auratus*)Guppy ( *Poecia raticulata*)Angel Fish (*Pterophyllum* ssp)**Technology**1.Procurement of Ornamental Fishes2. Practicing different breeding and rearing techniques | College of Fisheries, CAU , 2017 | 3 | - | Lengpui, Lengte, Dialdawk |  | 2 | 1 | 3 |  |  |  | 3 |
| IFS | Demonstration on Integrated Farming system of Fisheries, Animal Husbandry and Horticulture **Technology:**Production of Sustainable farming system where the balance of , Animal husbandry, Fisheries and Horticulture is established . | ICAR, Kolasib , 2016 | 2 | - | Lengpui, Lengte, Dialdawk |  | 1 | 1 | 2 |  |  |  | 2 |
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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 | Pre & post stocking management of fish culture ponds, Composite fish culture, paddy cum fish culture, integrated fish farming, Water quality management | 7 | January-December 2023 |  | On & Off | 80 | 20 | 100 |  |  |  | 100 |  |
| Rural Youth | Pre & post stocking management of fish culture ponds, integrated fish farming, common fish diseases and their control, ornamental fisheries | 3 | January-December 2023 | 3 | On Campus | 20 | 5 | 25 |  |  |  | 25 |
| Extension Personnel | Breeding of Major Carps | 1 | January-December 2023 | 1 | On campus | 7 | 3 | 10 |  |  |  | 10 |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO (including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
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**Discipline: AGRICULTURE EXTENSION**

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

**Mobile No: 7630087857 E-mail address: rualisms@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** | PRA | PRA Social Mapping for Planning, implementation, monitoring and evaluation of Agriculture and allied sector |  | A | - |  | Lengpui, Lengte, Dialdawk |  | 2 | 1 | 3 |  |  |  | 3 |
| PRA | Field research on farming systems and rapid rural appraisal |  | A | - |  | Lengpui, Lengte, Dialdawk |  | 2 | 1 | 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** |
| Impact assessment | Analyzing the problem & constraints of Tomato cultivation as perceived by the farmers**Technology details:**Selection of villageSelection of respondentsInterview schedule was prepared for Collecting information on demographic Characteristics And problems faced by the farmers4. The various constraints being faced were Divided into five categories i.e. Input based, financial, Marketing, technical and general.  For quantitative Analysis, percentage, mean and standard deviation Was used for the study and overall constraints were Ranked on the basis of response of the respondents | CAEPHT, Gangtok, 2014 | 5 (30 farmers) | - | Lengpui, Lengte, Dialdawk |  | 20 | 10 | 30 |  |  |  | 30 |
| Seed Bank | Popularization of community seed bank**Technology details:**Selection of villageAssess needs through focus group discussionSelection of interested farmers to set up seed bankPlan for renewal of diversity, conservation and seed productionProvide training in conservation and seed productionPlanning and report writing |  | 30 | - | Lengpui, Lengte, Dialdawk |  | 10 | 20 | 30 |  |  |  | 30 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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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. Application of ICT in Agriculture and allied sectors (1)
2. Small scale income generating enterprises (2)
 | 12 | 20232023 | 12 | OnOn & Off | 1030 | 1020 | 2050 |  |  |  | 2050 |  |
| Rural Youth | 1. Small scale income generating enterprises (2)
2. Seed Bank (1)
 | 21 | 20232023 | 21 | On On | 2015 | 510 | 2525 |  |  |  | 2525 |
| Extension Personnel | PRS methods | 1 | January-December 2023 | 1 | On campus | 17 | 3 | 20 |  |  |  | 20 |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO (including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
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**EXTENSION ACTIVITIES PROPOSED FOR THE YEAR 2023, MAMIT DISTRICT, LENGPUI KVK**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 | 50 | 2023 | 50 (1 day each) | 125 | 100 | 225 | - | - | - | 125 | 100 |
| Advisory services/ telephone talk | 90 | 2023 | Whole year | 1200 | 1300 | 2500 | - | - | - | 1200 | 1300 |
| Training Manual | 4 | 2023 | 5 | 80 | 120 | 200 | - |  | - | 80 | 120 |
| Celebration of Important days | 6 | 2023 | 6 | 90 | 110 | 200 | - | - | - | 90 | 110 |
| Exhibition | 1 | 2023 | 2 | 190 | 150 | 340 | - | - | - | 190 | 150 |
| Exposure visit | 2 | 2023 | 2 | 25 | 15 | 40 | - | - | - | 25 | 15 |
| Extension literature (Leaflet/ folders/ Pamphlets) | 12 | 2023 | Whole year | 2200 | 2200 | 4400 | - | - | - | 2200 | 2200 |
| Extension / technical bulletin | 2 | 2023 | Whole year | 140 | 60 | 200 | - | - | - | 140 | 60 |
| News letter | 1 | 2023 | Whole year | 350 | 450 | 800 | - | - | - | 350 | 450 |
| News paper coverage | 10 | 2023 | Whole year | - | - | - | - | - | - | - | - |
| Research publications | 1 | 2023 | - | - | - | - | - | - | - | - | - |
| Success stories/ Case studies | 4 | 2023 | - | - |  | - | - | - | - | - | - |
| Farm Science Clubs’ Convenors meet | 1 | 2023 | 1 | 25 | 30 | 55 | - |  | - | 25 | 30 |
| Farmers’ Seminar | 2 | 2023 | 2 | 80 | 40 | 120 | - | - | - | 80 | 40 |
| Farmers’ visit to KVKs | 350 | 2023 | 30 | 370 | 210 | 580 | - | - | - | 370 | 210 |
| Ex-trainees’ meet | 1 | 2023 | 1 | 40 | 50 | 90 | - | - | - | 40 | 50 |
| Field day | 3 | 2023 | 3 | 45 | 55 | 100 | - | - | - | 45 | 55 |
| Film show | 15 | 2023 | 5 | 120 | 260 |  380 | - |  | - | 120 | 260 |
| Radio Talk | 4 | 2023 | - | - | - | - | - | - | - | - | - |
| TV talk | 2 | 2023 | - | - | - | - | - | - | - | - | - |
| Kisan Gosthi | 2 | 2023 | 2 | 35 | 35 | 70 | - | - | - | 35 | 35 |
| Group Meeting | 10 | 2023 | 10 | 125 | 145 | 270 | - | - | - | 125 | 145 |
| Kisan Mela | 1 | 2023 | 2 | 135 | 205 | 340 | - | - | - | 135 | 205 |
| Soil Health Camps | 1 | 2023 | 1 | 55 | 45 | 100 | - | - | - | 55 | 45 |
| Animal Health Camps | 2 | 2023 | 2 | 105 | 95 | 200 | - | - | - | 105 | 95 |
| Awareness campMobile Agro-Advisory (Messages/ Beneficiaries) | 150 | 2023 | Whole year | 780 | 720 | 1500 | - | - | - | 780 | 720 |
| Method demonstration | 20 | 2023 |  15 | 85 | 65 | 150 | - | - | - | 85 | 65 |
| Scientists’ visit to farmers’ field | 90 | 2023 | 15 | 120 | 80 | 200 | - | - | - | 120 | 80 |
| Workshop/ Seminar | 2 | 2023 | 2 | 70 | 50 | 120 | - | - | - | 70 | 50 |
| Soil Testing | 250 | 2023 | - | 130 | 120 | 250 | - | - | - | 130 | 120 |
| Water Testing | 60 | 2023 | - | 25 | 35 | 60 | - | - | - | 25 | 35 |
| Plant Testing | - | - | - | - | - | - | - | - | - | - | - |
| Manure Testing | 24 | 2023 | - | 14 | 10 | 24 | - | - | - | 14 | 10 |
| Any other (Pl. Specify) |  |  |  |  |  |  |  |  |  |  |  |

**ACTIVITY CALENDAR OF THE KVK (MONTH-WISE TARGET TO BE COMPLETED) FOR THE YEAR 2023-24**

**KVK: MAMIT DISTRICT, LENGPUI**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Activity/ Month** | **Apr** | **May** | **June** | **July** | **Aug** | **Sep** | **Oct** | **Nov** | **Dec** | **Jan** | **Feb** | **Mar** | **Total** |
| **OFT (No.s.)** |
| 1. Number of Technologies
 | - | 5 | 4 | 2 | 2 | 1 | 1 | 1 | 1 | - | - | - | **17** |
| 1. Number of Trials
 | - | 14 | 10 | 6 | 4 | 3 | 1 | 1 | 3 |  |  |  | **42** |
| 1. Area (ha)/ items (no.)
 | - |  |  |  |  |  |  |  |  |  |  |  | **8.0 ha.** |
| **FLD (Nos.)** |
| 1. Number
 | - | 3 | 2 | 1 | 1 | 2 | 2 | 1 | - | - | - | - | **12 (91demo.)** |
| 1. Area(ha)/ items (no.)
 | - | 16 | 6 | 2 | 2 | 2 | 3 | 2 | - | - | - | - | **33 ha.** |
| **Training programme** |
| **Farmer** |
| 1. No. of course
 |  | 3 | 5 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 3 | 2 | **43** |
| 1. No. of participants
 |  | 120 | 270 | 200 | 130 | 250 | 160 | 170 | 250 | 160 | 90 | 60 | **1860** |
| **Rural Youth** |
| 1. No. of course
 |  | 1 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 2 | **34** |
| 1. No. Of participants
 |  | 25 | 75 | 100 | 100 | 75 | 75 | 100 | 100 | 75 | 75 | 60 | **860** |
| **Ext. Personnel** |
| 1. No. of course
 |  | - | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | **11** |
| 1. No. Of participants
 |  | - | 14 | 14 | 28 | 14 | 15 | 14 | 14 | 14 | 14 | 14 | **155** |
| **Extension Activities/ programmes** |
| 1. No. of activities
 |  | 100 | 100 | 110 | 100 | 105 | 110 | 120 | 120 | 100 | 100 | 90 | **1155** |
| 1. No. of beneficiaries
 |  | 900 | 1200 | 1220 | 1200 | 1300 | 1200 | 1400 | 1400 | 1200 | 1200 | 933 | **13153** |
| **Seeds production (tonnes)** |  |  |  | 0.5 | 0.01 |  |  | 15.0 |  |  | 0.7 |  | **16.21** |
| **Planting materials (Nos. in Lakh)** |  |  | 0.4 |  |  |  |  | 0.092 |  |  |  |  | **0.492** |
| **Livestock strains (No. )** |  |  | 100 |  |  | 100 |  |  |  |  |  |  | **200** |
| **Fingerlings (No. in lakh)** |  |  | 5000 |  |  |  |  |  |  |  |  |  | **5000** |
| **Bio-agents/ products (tonnes)** |  |  |  |  |  |  | 0.01 |  |  |  |  |  | **0.01** |
| **Bio-fertilizers/ Vermicompost etc. (in Tonnes)** |  |  |  |  |  | 2.5 |  |  |  |  |  |  | **2.5** |
| **Soil , Water, Plant, Manures Testing****(No. of samples to be tested)** | Soil- 5Water- 1Plant-Manures- | 511 | 51 | 51 | 511 | 511 | 511 | 51 | 511 | 511 | 51 | 51 | Soil- 60Water-12Plant-4Manures-2 |
| **Soil , Water, Plant, Manures Testing****(No. of farmers benefitted)** | Soil- 25Water- 10Plant-Manures- | 251010 | 2510 | 2510 | 251010 | 251010 | 251010 | 2510 | 251010 | 2510 | 2510 | 2510 | Soil-300Water-120Plant-40Manures-20 |
| **Soil , Water, Plant, Manures Testing****(No. of villages covered)** | Soil-1Water-1Plant-Manures- | 111 | 11 | 11 | 111 | 111 | 111 | 11 | 111 | 111 | 11 | 11 | Soil- 12Water- 12Plant- 4Manures-2 |
| **Mobile Agro-Advisory (No. of Messages)** | 50 | 50 | 50 | 80 | 80 | 50 | 58 | 70 | 50 | 60 | 50 | 50 | 698 |
| **Mobile Agro-Advisory (No. of Farmers)** | 296 | 500 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 6796 |