**INDIAN COUNCIL OF AGRICULTURAL RESEARCH**

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

**Umiam, Meghalaya**

***Format for Annual Action Plan Formulation of KVKs 2024***

**Name of the KVK/District: Lengpui, Mamit District, Mizoram**

**Present Staff Position in KVK: 16**

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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. | Dr. Om Prakash | M | General | SMS | Agronomy |
| 6. | Vanlalhmuaka Ngente | M | ST | SMS | Horticulture |
| 7. | Vanlalruali | F | ST | SMS | Agriculture Extension |
| 8. | K. Zohmingliani | F | ST | Farm Manager | Agroforestry |
| 9. | Biakhlupuii Chenkual | F | ST | Programme Assistant | Home Science |
| 10. | C. Ramdinsanga  | M | ST | Programme Assistant  | IT/Computer |
| 11. | Lalrinchhana Sailo | M | **ST** | Assistant |  |
| 12. | B. Laldinpuii | F | ST | Stenographer |  |
| 13. | Lalchuailova | M | ST | Driver-cum-Mechanic |  |
| 14. | H. Lalhmachhuana | 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 2024***

**Discipline: HORTICULTURE**

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

**Mobile No: 9436143376 E-mail address: hmuakakvk@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** | Nutrient management  | **Assessment on the effect of Micronutrient (Power mix T+) on growth and yield of Ginger Var thinglaidum****TO1** : Spraying of Designer Micronutrient on the leaves of Ginger at 60, 90 and 120 days after planting. **TO2**: Farmer’s practice.**POP**: Spacing- 30 X 15 cm, Seed treatment- Trichoderma @5 g/kg of seed, application of FYM 10 t/ha, NPK : 75:50:50.  | ICAR-IISR, Kerala. 2013 | A | 1.5 | 3 | Lengte,Dialdawk, Darlak. | Kharif 2024 | 3 | 1 | 3 | - | - | - | 3 |
| Nutrient management | **Assessment on the effect of Zinc and Boron on the growth Yield of Tomato** **TO1** : Soil application of Zinc Sulphate And Boron @10kg/ha and one time foliar spray of Zn & B @0.5% at 25 DAT**TO2**: Farmer Practice**Spacing**: 4.5 x 2.5 feet**Fertilizer**: N.P.K/acre. 60:45:60. 3 foliar spray of micronutrient@ 5gm/L from 45 DAT at an interval of 15. | ICAR – Umium , 2023 | A | 0.5 | 3 | Lengte.LengpuiDarlak | Rabi,2014 | 3 | 1 | 3 | - | - | - | 3 |
| Protected cultivation | **Low-cost rain-shelter/ polyhouse for production of high value vegetables for NEH region.****February- May :** Cucumber(Jasmine)**June – September :** French bean / Capsicum (zorin bean/ indam mahabharat)**October – January:** Tomato ( Arka Abhed) | ICAR –Sikkim, Tadong 2016 | A | 0.25 | 3 | LengpuiDarlak,Dapchhuah | Kharif & Rabi,2014 | 3 | 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** |
| Nutrient management  | **Cultivation of garden pea by using organic source of nutrient**Variety: *Azad P3*Spacing : 30cm X10 cm Seed rate : 80-100 kg/haTreatment of seeds with biofertilizers AZB and PSB @ 7.5g each per 100 g of seeds and application of Rock Phosphate @ 313 kg/ha, FYM @ 5 t/ha and Vermicompost @ 1 t/haduring final land preparation .Manure application: Vermicompost@ 2.5 t/ha | AAU, Jorhat, 2012. | 10 | 3.0 | Darlak, Dialdawk, Rulpuihlim, Lengte | Rabi. 2024 | 8 | 2 | 10 |  |  |  | 10 |
| Crop production | Popularization of French bean variety *Zorin* (MZFB-48) for nutritional security & higher production | ICAR RC NEH Mizoram Centre, Kolasib Mizoram 2018-19 | 110 | 3.0 | Dialdawk, Lengte, DarlakLengpui | Rabi, 2024 | 8 | 2 | 10 |  |  |  | 10 |
| Crop production | Popularization of multiple disease resistant tomato hybrid, Arka Abhed (H-397) for higher income.Resistant to leaf curl, bacterial wilt, early & late blight | IIHR, Bangalore 2018-19 | 10 | 3.0 | Dialdawk, Lengte, DarlakLengpui | Rabi, 2024 | 8 | 2 | 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 | Cultivation of Fruit crops (4)Plant propagation techniques (3)Rejuvenation of old orchards (3)Cultivation of plantation crops (4)Nursery raising of vegetable crops (2)Protective cultivation of vegetable crops (3)Scientific practices for cultivation of vegetable crops | 14 | April 2024 to March 2025 | 2 to 3 days training | On/offOn/offOn/offOn/off On/off On/off On/ off | 180 | 100 | 250 | - | - | - | 280 |  |
| Rural Youth | Nursery Management of Horticulture crops. Protected cultivation (3) | 2 | April 2024-March2025 | 3 | On / off | 50 | 20 | 70 | - | - | - | 70 |
| Extension Personnel | Protected cultivation technology  | 1 | April 2024 –March 2025 | 2 | On | 10 | 5 | 15 | - | - | - | 15 |
| 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**

**Mobile No:** 9436365247 **E-mail address: hruaia2@rediffmail.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** | 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 hydroxide @ 0.25%. This should be done Immediately after the onset of disease and should be continued at 7-10 days interval until the diseasebecome less severe. | ICAR – National Organic Farming Research Institute, 2016 | Assess | 0.3 | 3 | Dialdawk, Lengpui | Kharif, 2024 | 3 | - | 3 | - | - | - | 3 |
| Disease management | **Performance of bio agents for reducing the incidence of soft rot of ginger:**Rhizomes treatment of *Trichoderma harzianum* @ 5g/kg of rhizomes + Soil application of 2.5 kg of *Trichoderma harzianum* mixed with 50 kg FYM 10-15 days before sowing + Foliar application of *Pseudomonas flourescens* @5g/l of water for every 15 days interval | College of Horticulture and Forestry, CAU, Pasighat, Arunachal Pradesh, 2012 | Assess | 0.3 | 3 | Dialdawk & Lengpui | Kharif, 2024 | 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 *Trichogramma japonicum* & *T. chilonis*iv)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., 2024 (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, 2024 | 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 | 2024 | 8 | On & off campus | 250 | 100 | 350 | - | - | - | 350 |  |
| Rural Youth | Mushroom production | 5 | 2024 | 5 | On-campus | 75 | 50 | 100 | - | - | - | 125 |
| Extension Personnel | Integrated Pest Management, Integrated Disease Management in field crops & horticulture crops | 1 | 2024 | 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 | 2024 | 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, 2024 | 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**

**Mobile No: 9612319368 E-mail address:** **beckylmpuii127@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** | Intercropping | Intercropping of Tree bean with Soyabean and Sesamum**Technology:**Spacing: Tree bean : 4 X 4 m between the planting rows and within rows followingcontour lines on slopes to decrease soil erosion.TO1 – Tree bean with SoyabeanTO2 – Tree bean with SesamumTO3 – Tree bean aloneFertilizer: 12.5kg of N/acre & 32kg of P/acre**Farmer’s Practice:**Monocropping (Tree bean) | 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 | 2024 | 2 | 1 | 3 | - | - | - | 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 | 2024 | 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** |
| **Front Line Demonstration** | Forest spp. (Bamboo, Broom, etc.) | Popularization of Systematic cultivation of Broom grass on abandoned jhum land for reclamation of wasteland and economic upliftment of rural areas.Spacing: 3 X 3 mt row to row & plant to plant in contour lines or on the bunds (1111 plt in 1 ha.) Planting time: May to June.Manuring: FYM 2 kg/pit and Malathion dust @ 10 gm per pit before planting | Source & Year: SFRI, Dept. of Environment & Forests, Govt. of Arunachal Pradesh, Itanagar, 2019 | 10 | 2 ha. | Nghalchawm, Hmunpui, Dialdawk, Lengte | 2024 | 7 | 3 | 10 | - | - | - | 10 |
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| Intercropping  | Intercropping of Ginger (Local Var. Thingpui) with Tree bean under organic management**Technology:** Ridge & Furrow (15cm H & 40cm F)Sowing time: April-JulySeed rate: 12 - 15 qt/ha.Spacing: 45-60 cm X 25 cm (15 – 20 gm rhizome per pit)(Organic management Technologies)Treatment of Rhizome with Trichoderma harzianum @ 25 gm/kgOrganic Nutrient Management-FYM/Compost as basal dose @ 20 t/ha at land preparation-FYM+Trichoderma+neem cake mixture @ 100 gm/planting pit to apply at the time of planting-Mulching with green leaves if necessary. | AAU Jorhat, 2019 | 10 | 2.0 ha | Lengte, Reiek, Dialdawk, Ailawng, Hmunpui | 2024 | 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** | **Total** |
| **On and Off campus training programmes** | Farmer and Farm women | 1. Intercropping of Tree bean with Soyabean and Sesamum (2)
2. Cultivation of Ginger under Tree bean (2)
3. Cultivation practices of Moringa (2)
4. Cultivation practices of Betel Vine and Black pepper (2)
5. Reforestation of waste land with Broom grass (2)
6. Cultivation practices of Bamboo (2)
7. Importance of Agroforestry in hilly areas (2)
8. Organic farming (1)
 | 22222221 | April, 2024May, 2024June, 2024June, 2024July, 2024August, 2024September, 2024October, 2024 | 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. Importance of Trees for protection of environment (2)
 | 222 | May, 2024May, 2024June, 2024 | 222 | OnOn & OffOn & Off | 353530 | 252030 | 605560 | --- | --- | --- | 605560 |
| Extension Personnel | Vermicomposting (2) | 2 | August, 2024 | 2 | On | 15 | 15 | 30 | - | - | - | 30 |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO (including school drop outs) | Cultivation of Mushroom (2) | 1 | December, 2024 & January, 2025 | 1 | On | 10 | 10 | 20 | - | - | - | 20 |
| Others  | Skill training on Flower arrangement (1) | 1 | October, 2024 | 1 | On | 3 | 22 | 25 | - | - | - | 25 |
|  |  |  |  |
| **Sponsored training programmes** | Farmer and Farm women | 1. Forest Nursery Management (1)
 | 1 | September, 2024 | 5 | On | 10 | 10 | 20 | - | - | - | 20 |  |
| Rural Youth | Organic farming (1) | 1 | December, 2024 | 5 | On | 15 | 10 | 25 | - | - | - | 25 |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| 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** | ITK, Agricultural sustainability | A Study on Indigenous Technical knowledge(ITK) use in Agriculture and allied sector  |  | A |  | 3 | HmunpuiLengteLengpui  | 2yrs | 20 | 15 | 35 |  |  |  | 35 |
| Impact assessment  | Impact study on effect of Pig diseases in Reiek RD Block, Mamit District  |  | A |  | 3 | Nghalchawm, Lengte, Lengpui  | 2yrs | 18 | 12 | 30 |  |  |  | 30 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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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** |
| Germplasm, Seed Bank | Popularization of Village seed bank |  | 10 |  | Lengte, Lengpui, Hmunpui  | 2 yrs | 2 | 8 | 10 |  |  |  | 10 |
| Post harvest technology | Safe storage of grains using hermatic storage system | Indian Institute of Crop Processing Technology (IICPT) Thanjavar, TN 2015  | 10 |  | Lengpui, Hmunpui  | 2 yrs | 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** | **Total** |
| **On and Off campus training programmes** | Farmer and Farm women | Millets – the Nutricereals for food and nutrition security(1)Role of ICT in Agriculture(1)Pooling of resources for increased benefits (1)Seed Production(1) | 4 | 1 | 4 | 140 | 94 | 46 | 140 |  |  |  | 140 |  |
| Rural Youth | Role of ICT in Agriculture (1)Small scale income generating enterprises(1)Mobilization of social capital(1)Pooling of resources for increased benefits (1)Seed Production(1) | 5 | 1 | 5 | 135 | 70 | 65 | 135 |  |  |  | 135 |
| Extension Personnel | Methodology for Impact Evaluation of Extension Programmes (2) | 1 | 1 | 1 | 20 | 14 | 6 | 20 |  |  |  | 20 |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO (including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Sponsored training programmes** | Farmer and Farm women | Seed Production (1)Small scale income generating enterprises(1) | 2 | 1 | 2 | 140 | 98 | 42 |  |  |  |  | 140 |  |
| 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:**  **Dr. Om Prakash**

**Mobile No: 9436960302** **E-mail address:** om2@rediffmail.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** | Varietal evaluation | Varietal Evaluation of Sunflower var: DRSH-1 & DRSF-113 for better yield & income of farmersTechnology Option-1: DRSH-1.(Hybrid)Technology Option-2: DRSF-113 (High yielding variety) | IIOR, 2005 & 2007 | A | 0.2 | 3 | DialdawkRawpuichhipLengte | 2024 | 2 | 1 | 3 | - | - | - | 3 |
| Varietal evaluation | Varietal evaluation of Field Pea: IPFD 12-2TO1: Introduction of IPFD 12-2TO2: Farmers practice: Local variety | IIPR, 2017  | A | 0.2 | 3 | Lengpui,DialdawkLengte | 2024 | 2 | 1 | 3 | - | - | - | 3 |
| Varietal evaluation | Varietal evaluation of Maize: Pusa VivekTO1: Introduction of Pusa Vivek (QPM-9)TO2: Farmers practice: Local variety | IARI, New Delhi 2017  | A | 0.2 | 3 | Lengpui,DialdawkLengte | 2024 | 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** |
| **Front Line Demonstration** | Mustard | Popularization of MustardVariety: Pusa Mustard 26 | IARI, New Delhi 2011 | 10 | 2.0 | Dialdawk | 2024 | 7 | 3 | 10 | - | - | - | 10 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Field Pea | Popularization of Aman with Rhizobium inoculation | IIPR,Kanpur, 2017 | 10 | 2.0 | DialdawkRawpuichhip | 2024 | 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** | **Total** |
| **On and Off campus training programmes** | Farmer and Farm women | 1. Importance of Green manuring for improving soil health
2. Scientific cultivation of Sweet corn
3. Package of practices for cultivation of Mustard
4. Cultivation of Field pea & benefits of Rhizobium inoculation
 | 10 | 2024 | 1 day each | On & Off | 142 | 108 | 250 |  |  |  | 250 |  |
| Rural Youth | 1. Importance of Life saving irrigation for Rabi crops
 | 21 | 2024 |  | Off | 15 | 15 | 30 | - | - | - | 30 |
| Extension Personnel | 1. Advantage and Method of seed inoculation of Pulses
 | 1 | 2024 |  | On | 10 | 10 | 20 | - | - | - | 20 |
| 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  |  |  |  |  |  |  |  |  |  |  |  |  |
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**Discipline: Animal Science**

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

**Mobile No: 9436140777 E-mail address: drcramz@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** | Fodder ProductionSoyabeanMAU- 0168 | Pods per plantDried fodder weight and weight of powdered soyabeanBC ratio | KVK Talsande – Maharashtra 2016 | Assess | 2 Ha | 2 | Lengpui and Saithah | April to July and August to November 2024 | 2 | 2 | 4 |  |  |  | 4 |
| Egg ProductionDual Purpose poultryVariety: Kaveri | 1. Vaccination against NCD, IBD, Mareks and Fowl Pox
2. Deworming at 55 days of age
3. Balanced feeding
4. BC Ratio
 | ICAR, CIFA 2017 | Assess |  | 2 | Lengpui, Rawpuichhip and West Phaileng | July 2024 to April 2025 | 3 | 7 | 10 |  |  |  | 10 |
|  |
| **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** | Pig farm managementPopularization of Chemical castration in piglets | Injecting 2 ml of prepared chemical (0.25 g potassium permanganate + 17 ml glacial acetic acid + 83 ml sterile distilled water) to each testis.  | ICAR 2007 | 2 |  | Lengpui and West Phaileng and Saithah | August to December 2024  | 5 | 20 | 25 |  |  |  | 25 |
| Egg ProductionPopularization of Layer poultry BV-380 | 1. Vaccination against NCD, IBD, Mareks and Fowl Pox
2. Deworming at 55 days of age
3. Balanced feeding
4. Egg production
5. Eggs hatched
6. BC Ratio
 | ICAR 2007 | 2 |  | Lengpui and West Phaileng and Saithah | July 2024 to April 2025 | 5 | 20 | 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 | Chemical Castration of piglets (3) | 6 | 2024 |  | On and off | 20 | 50 | 70 |  |  |  | 70 |  |
| Rural Youth | Management of a layer poultry farm | 4 | 2024 |  | On and off | 200 | 200 | 400 |  |  |  | 400 |
| Extension Personnel | Chemical castration of piglets | 2 | 2024 |  | On and off | 50 | 20 | 70 |  |  |  | 70 |
| Civil Society | Fodder production maize/soyabean | 6 | 2024 |  | On and off | 100 | 200 | 300 |  |  |  | 300 |
| NGO (including school drop outs) | Management of Layer poultry farm and Piggery farm | 6 | 2024 |  | On and off | 100 | 200 | 300 |  |  |  | 300 |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |
| **Sponsored training programmes** | Farmer and Farm women | Value addition from meat industry |  |  |  | On and off | 50 | 100 | 150 |  |  |  | 150 |  |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society | Healthy meat cuts |  |  |  | On and off | 50 | 50 | 100 |  |  |  | 100 |
| NGO(including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others  |  |  |  |  |  |  |  |  |  |  |  |  |
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**EXTENSION ACTIVITIES PROPOSED FOR THE YEAR 2024**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 | 2024 | 50 (1 day each) | 125 | 100 | 225 | - | - | - | 125 | 100 |
| Advisory services/ telephone talk | 90 | 2024 | Whole year | 1200 | 1300 | 2500 | - | - | - | 1200 | 1300 |
| Training Manual | 4 | 2024 | 5 | 80 | 120 | 200 | - |  | - | 80 | 120 |
| Celebration of Important days | 6 | 2024 | 6 | 90 | 110 | 200 | - | - | - | 90 | 110 |
| Exhibition | 1 | 2024 | 2 | 190 | 150 | 340 | - | - | - | 190 | 150 |
| Exposure visit | 2 | 2024 | 2 | 25 | 15 | 40 | - | - | - | 25 | 15 |
| Extension literature (Leaflet/ folders/ Pamphlets) | 12 | 2024 | Whole year | 2200 | 2200 | 4400 | - | - | - | 2200 | 2200 |
| Extension / technical bulletin | 2 | 2024 | Whole year | 140 | 60 | 200 | - | - | - | 140 | 60 |
| News letter | 1 | 2024 | Whole year | 350 | 450 | 800 | - | - | - | 350 | 450 |
| News paper coverage | 10 | 2024 | Whole year | - | - | - | - | - | - | - | - |
| Research publications | 1 | 2024 | - | - | - | - | - | - | - | - | - |
| Success stories/ Case studies | 4 | 2024 | - | - |  | - | - | - | - | - | - |
| Farm Science Clubs’ Convenors meet | 1 | 2024 | 1 | 25 | 30 | 55 | - |  | - | 25 | 30 |
| Farmers’ Seminar | 2 | 2024 | 2 | 80 | 40 | 120 | - | - | - | 80 | 40 |
| Farmers’ visit to KVKs | 350 | 2024 | 30 | 370 | 210 | 580 | - | - | - | 370 | 210 |
| Ex-trainees’ meet | 1 | 2024 | 1 | 40 | 50 | 90 | - | - | - | 40 | 50 |
| Field day | 3 | 2024 | 3 | 45 | 55 | 100 | - | - | - | 45 | 55 |
| Film show | 15 | 2024 | 5 | 120 | 260 |  380 | - |  | - | 120 | 260 |
| Radio Talk | 4 | 2024 | - | - | - | - | - | - | - | - | - |
| TV talk | 2 | 2024 | - | - | - | - | - | - | - | - | - |
| Kisan Gosthi | 2 | 2024 | 2 | 35 | 35 | 70 | - | - | - | 35 | 35 |
| Group Meeting | 10 | 2024 | 10 | 125 | 145 | 270 | - | - | - | 125 | 145 |
| Kisan Mela | 1 | 2024 | 2 | 135 | 205 | 340 | - | - | - | 135 | 205 |
| Soil Health Camps | 1 | 2024 | 1 | 55 | 45 | 100 | - | - | - | 55 | 45 |
| Animal Health Camps | 2 | 2024 | 2 | 105 | 95 | 200 | - | - | - | 105 | 95 |
| Awareness campMobile Agro-Advisory (Messages/ Beneficiaries) | 150 | 2024 | Whole year | 780 | 720 | 1500 | - | - | - | 780 | 720 |
| Method demonstration | 20 | 2024 |  15 | 85 | 65 | 150 | - | - | - | 85 | 65 |
| Scientists’ visit to farmers’ field | 90 | 2024 | 15 | 120 | 80 | 200 | - | - | - | 120 | 80 |
| Workshop/ Seminar | 2 | 2024 | 2 | 70 | 50 | 120 | - | - | - | 70 | 50 |
| Soil Testing | 250 | 2024 | - | 130 | 120 | 250 | - | - | - | 130 | 120 |
| Water Testing | 60 | 2024 | - | 25 | 35 | 60 | - | - | - | 25 | 35 |
| Plant Testing | - | - | - | - | - | - | - | - | - | - | - |
| Manure Testing | 24 | 2024 | - | 14 | 10 | 24 | - | - | - | 14 | 10 |
| Any other (Pl. Specify) |  |  |  |  |  |  |  |  |  |  |  |

**ACTIVITY CALENDAR OF THE KVK (MONTH-WISE TARGET TO BE COMPLETED) FOR THE YEAR 2024**

**KVK: Mamit district, Lengpui**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Activity/ Month** | **Apr** | **May** | **June** | **July** | **Aug** | **Sep** | **Oct** | **Nov** | **Dec** | **Jan** | **Feb** | **Mar** | **Total** |
| **OFT (No.s.)** |
| 1. Number of Technologies
 | - | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | - | - | - | **14** |
| 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 | 3 | 1 | 1 | 2 | 2 | 1 | - | - | - | - | **13 (130 demo.)** |
| 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 | 2 | 1 | 1 | 1 | 1 | **12** |
| 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- 5Plant-Manures- | 25510 | 255 | 255 | 25510 | 25510 | 25510 | 255 | 25510 | 255 | 255 | 255 | Soil-300Water-60Plant-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 |