**ANNUAL ACTION PLAN**

 **(2019 APRIL TO 2020 MARCH)**

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 **KVK, MAMIT DISTRICT,**

 **LENGPUI, MIZORAM**

**Indian Council of Agricultural Research**

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

**Umiam, Meghalaya**

***Format for Annual Action Plan Formulation of KVKs, Zone-III for 2018-19***

**Name of the KVK/District: Mamit State: Mizoram Host Organization: Department of Agriculture(R&E), Mizoram.**

**Present Staff Position in KVK**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name** | **Gender (M/F)** | **Category (General/OBC/SC/ST)** | **Designation** | **Discipline** | **Date of joining in the present post** | **Mobile No.**  |
| 1. | Dr. Vanlalhruaia Hnamte | M | ST | Senior Scientist & Head |  |  |  |
| 2. | Dr. C. Rinawma | M | ST | Scientist | Animal Science | 22.4.2008 | +919436140777 |
| 3. | Dr. Rohit Shukla | M | Gen | Scientist | Horticulture | 22.4.2008 | +919436158902 |
| 4. | Vanlalhruaia\* | M | ST | Scientist | Plant Protection | 22.4.2008 | +919436365247 |
| 5. | Dr. Rebecca Lalmuanpuii | F | ST | Scientist | Agro-forestry | 05.6.2009 | +919612319368 |
| 6. | Rualthantluanga Pachuau | M | ST | Scientist | Fisheries | 23.2.2018 | +919612311668 |
| 7. | K. Zohmingliani | F | ST | Farm Manager | Agro-forestry | 22.4.2008 | +919862538057 |
| 8. | Biakhlupuii Chenkual | M | ST | Prog. Assistant  | Home Science | 09.11.2009 | +918731994511 |
| 9. | C. Ramdinsanga | M | ST | Computer Programmer | Computer Science | 22.4.2008 | +919863088264 |
| 10. | Lalrinchhana Sailo | M | ST | Assistant | Commerce | 22.4.2008 | +919862340535 |
| 11. | B.Laldinpuii | F | ST | Stenographer | N.A. | 29.2.2008 | +919862315903 |
| 12. | Lalchuailova | M | ST | Driver | N.A. | 29.2.2008 | +919436360108 |
| 13. | Lalmuankima | M | ST | Driver | N.A. |  |  |
| 14. | Lallawmkima  | M | ST | Supporting staff | N.A. | 10.7.2008 | +918794829522 |
| 15. | P.C.Lalthanpuii | F | ST | Supporting staff | N.A. | 10.7.2008 | +918974844397 |
|  | **Total** | **15** |  |  |  |  |  |

\*On study leave

**Please furnish discipline-wise information in the given format pertaining to the mandated activities of your KVK targeted to be accomplished during 2019-20**

**Discipline: Horticulture**

**Name of the concerned Subject Matter Specialist:** DR. ROHIT SHUKLA **Mobile No:** +919436158902/+918794148738

**E-mail** **address:** roshuhort@gmail.com/roshu\_hort@rediffmail.com

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| **Mandated activities** | **Thematic Area** | **Name of Technology**  | **Source and Year of release** | **Assess/Refine** | **Area (in ha.)** | **Location** | **Period and Duration** | **Number of beneficiaries/ trials** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **On farm testing** | Varietal evaluation | Varietal evaluation of Papaya varieties Arka Prabhath & Surya for higher income\***Papaya:** **Arka Prabhath*** Gynodioecious
* Pulp: Firm (5.9 kg/sq.cm)
* Colour: Deep pink
* Fruit weight: 900-1200g
* TSS: 13-14° Brix
* Keeping quality: Good
* **Surya**
* Gynodioecious.
* Fruits resemble Sunrise Solo in shape.
* Fruits size medium
* Fruit weight: 600 to 800 g with a small fruit cavity.

**Recommended package of practices of cultivation will be adopted** | IIHR, Bangalore IIHR(http://www.iihr.res.in) Retrieved on 20th Dec.2017 | 2**\*** **Continuation of last year**  | 0.2ha | Lengpui & Rulpuihlim | 2019-20 | 2 | - | 2 | - | - | - | 2 |
| Integrated Nutrient Management | **Cultivation of cabbage by using organic source of nutrient****Spacing** :50cm X45 cm**Seed rate**: 800g /ha(10g /m2) **Seed treatment** with bio-fertilizer slurry for at least 1 hour before sowing of seeds **Manure application:** Vermin compost 5t/ha with Rock phosphate375kg/ha**Land preparation**: Minimum tillage operation.**Pest management:**As per package of practise recommended with technology | AAU, Jorhat2012 | 3 | 0.3 ha | Dialdawk  | Rabi 2019-20 | 3 | 0 | 3 |  |  |  | 3 |
| Integrated Weed Management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Orchard Rejuvenation |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Processing/ Value Addition |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canopy mgmt. |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Landscaping |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mechanization |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Integrated crop Management** | **Cultivation of high value crop Dragon fruit to increase farmer income** Types Pink flesh & white fleshPlanting distance 3m.X 3m. Training Structure: The concrete pillars or wooden log and using tyres as base structureGrowing media: Soil enriched with organic inputs like farmyard manure, coir compost and vermi-compost along with bio fertilizers. Planting of 4 rooted cuttings around each concrete pillar. | Central Island Agricultural Research Institute, Port Blair 2017 www.icar.org.inretrieved on 20th December 2017  | 2**\* Continuation of last year**  | 0. 2ha | Lengpui | 2019-20 | 2 |  | 2 |  |  |  | 2 |
|  |
| **Mandated activities** | **Thematic Area** | **Name of technology** | **Source and Year of release** | **Crop/ cropping system** | **Area (in ha.)** | **Location** | **Period and Duration** | **Number of beneficiaries/ demon.** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **Front Line Demonstration** | Varietal evaluation |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management | **Cultivation of Okra by using organic source of nutrient**Spacing 50cm X45 cmSeed rate 10 kg /ha Seed treatment with biofertilizer AZB and PSB@ 7.5g each per 100g of seeds Manure application FYM 5t/ha & vermin compost 1t/ha with Rock phosphate313kg/ha | AAU, Jorhat2015 | rainfed | 2.0 | Dialdawk & Rulpuihlim | Kharif 2019 | 4 | 1 | 5 |  |  |  | 5 |
| Integrated Weed Management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Orchard Rejuvenation |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Processing/ Value Addition |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canopy mgmt. |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Landscaping |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mechanization |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Protected Cultivation** | FLD on protected cultivation of round the year vegetable cultivation. **Crops:** Tomato, French bean cucumber etc.  | Centre for Protected Cultivation Technology (CPCT)IARI,New Delhi, 2013 | Tomato French bean Cucumber etc. | 0.2 ha | Lengpui, Dialdawk, Rulpuihlim,  | 2019-20 | 7 | 3 | 10 |  |  |  | 10 |
| **Irrigation managements**  | **FLD on Furrow irrigated raised bed (FIRB) planting for water use efficiency**Crop : Tomato* Raised Bed of 90 cm wide, 20 cm high with convenient length will be prepared.
* An irrigation furrow of 30 cm of 30 cm with will made between two beds
* Crop will be transplanted on both sides of the bed.
* Irrigation is given through furrow only (3/4th height)
* Mulching with paddy Straw@7.5 t/ha
 | **http://old.iivr.org.in/division-crop-production 2016** | Tomato  | 2 ha | Dialdawk & lengpui | Rabi2019-20 | 4 | 1 | 5 | - | - | - | 5 |
|  |
| **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)
 | 1 | April  | 3 | On  | 15 | 10 | 25 | - | - | - | 25 | **The titles of the training are tentative and subject to alteration on the convenient of the targeted group.** |
| 1. Plant propagation techniques (3)
 | 1 | June | 1 | Off | 15 | 10 | 25 | - | - | - | 25 |
| 1. Rejuvenation of old orchards(3)
 | 1 | December | 3 | On  | 15 | 10 | 25 | - | - | - | 25 |
| 1. Cultivation of plantation crops(4)
 | 1 | March  | 3 | Off   | 15 | 10 | 25 | - | - | - | 25 |
| 1. Nursery raising of vegetable crops (2)
 | 2 | July &September | 2 | Off &On  | 30 | 20 | 50 | - | - | - | 50 |
| 1. Protective cultivation of vegetable crops(3)
 | 2 |  August & January | 2 | Off &On  | 30 | 20 | 50 | - | - | - | 50 |
| 1. Good Agricultural practices for cultivation of vegetable crops
 | 2 | October & November | 3 | Off &On  | 30 | 20 | 50 | - | - | - | 50 |
| Rural Youth | 1. Planting material production(3)
 | 1 | May | 3 | On | 15 | 10 | 25 | - | - | - | 25 |
| 1. Commercial fruit production(4)
 | 1 | August | 3 | Off | 15 | 10 | 25 | - | - | - | 25 |
| 1. Nursery Management of Horticulture crops(3)
 | 1 | December | 3 | On | 15 | 10 | 25 | - | - | - | 25 |
| Extension Personnel | 1. Protected cultivation technology
 | 1 | April | 3 | On | 12 | 8 | 20 | - | - | - | 20 |
| 1. Rejuvenation of old orchards
 | 1 | January | 3  | On | 12 | 8 | 20 | - | - | - |  20 |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop-outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Vocational training programmes** | Farmer and Farm women |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop-outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |  |  |
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| **Sponsored training programmes****Sponsored training programmes** |  |  | **Sponsoring agency** |
| Farmer and Farm women |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop-outs) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**Discipline: Animal Science**

**Name of the concerned Subject Matter Specialist:** Dr. C. RINAWMA **Mobile No:** +919436140777

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| **Mandated activities** | **Thematic Area** | **Name of Technology**  | **Source and Year of release** | **Assess/Refine** | **Area (in ha.)** | **Location** | **Period and Duration** | **Number of beneficiaries/ trials** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **On farm testing** | Introduction of Turkey (continuation of 2018-19)  | Turkey farming a. Body weight gainb. Egg production | Division of Livestock Production, ICAR RC for NEH Region, Umiam2011 | Assessment | - | Lengpui and Saithah | April 2019 – October 2019 | 8 | 2 | 10 |  |  |  | 10 |
| Introduction of crossbred (Hampshire X Ghungru) pigs in continuation to 2018-19) | Assessment of growth and performance of crossbred (Hampshire X Ghungru) pigs under local condition.**a**. Growth rate**b**. Litter size**c**. Marketable Weight**d**. B:C ratio**e.** Farmer’s reaction | NRC, Pig, Rani, ICAR 2009 | Assessment | - | Lengpui | April 2019 – May 2020 | 2 | 1 | 3 |  |  |  | 3 |
| Pig Nutrition (Hampshire X Ghungru) | The growth performance and nutrient digestibility on rice polish based feeding regime1. In phase-I (Grower stage), four iso-nitrogenous (CP18%) diets incorporating rice polish at 25and 50% supplemented with phytase @ 20 and 40g/100 kg feed, respectively.
2. In phase II, animals fed on four iso-nitrogenous (CP16%) diets prepared by incorporation of rice polish at 50 and 70% supplemented with phytase @ 20 and 40g/100kg feed, respectively.

**a**. Growth rate**b.** Marketable Weight**c.** B:C ratio**d.** Farmer’s reaction | http://krishi.icar.gov.in/jspui/handle/123456789/15450YOR: 2014 | Assessment | - | Lengpui, Saithah | April 2019 – May 2020 | 2 | 1 | 3 |  |  |  | 3 |
|  |
| **Mandated activities** | **Thematic Area** | **Name of Technology demonstrated** | **Source and Year of release** | **Crop/Cropping system** | **Area (in ha.)** | **Location** | **Period and Duration** | **Number of beneficiaries/ demon.**  |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **Front Line Demonstration** | Animal Nutrition: Evaluation of animal feed | Effect of Replacing Maize with Bakery Waste on the Performance of Growing Crossbred Pigs (Hampshire X Ghungru).Three different experimental diets by replacing maize with bakery waste at 0, 25 and 50% in T1, T2 and T3 groups. | http://krishi.icar.gov.in/jspui/handle/123456789/15225YOR: 2016 |  |  | Lengpui | April 2019 toNovember 2020 | 2 | 1 | 3 |  |  |  | 3 |
| Improvement in Egg Production in layer birds: Supplementation of Fermented Yeast Culture during and Post Summer Season to layer birds viz: local and RIR layer birds | 1. The two groups were Control and Treatment groups. The treatment group received 1.25g of fermented yeast culture (Saccharomyces cerevisiae) commercial product per kg feed.
2. Feed conversion ratio (FCR)
3. Egg production
4. Farmers reaction
 | http://krishi.icar.gov.in/jspui/handle/123456789/9805YOR: 2017 | - | - | Saithah, Lengpui | March 2019- June 2019 |  | 10 | 10 |  |  |  | 10 |
|  |
| **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 2019- Jan 2020 | 1 | On & off campus | 140 | 70 | 210 | - | - | - | 210 |  |
| Rural Youth | Poultry production | 1 | April 2019- March 2020 | 1 | On-campus | 15 | 10 | 25 | - | - | - | 25 |
| Extension Personnel | Integrated Pig and Fish farming | 7 | April 2019- March 2020 | 1 | On-campus | 10 | 5 | 15 | - | - | - | 15 |
| Civil Society | Climate change affecting our day to day lives | 10 | May 2019 – Feb 2020 | 1 | On – Off Campus | 30 | 30 | 60 | - | - | - | 60 |
| NGO(including school drop outs) | Climate change: its adaptation and mitigations. | 5 | May 2019- Feb 2020 | 1 | On-campus | 15 | 10 | 25 | - | - | - | 25 |
| Others (Pl. Specify) |  |  |  |  |  |  |  |  |  |  |  |  |
|  |
| **Vocational training programmes** | Farmer and Farm women | Layer Poultry Management | 10 | May 2019 – March 2020 | 3 | Off campus | 50 | 50 | 100 |  |  |  | 100 |  |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop-outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. Specify) |  |  |  |  |  |  |  |  |  |  |  |  |
|  |
| **Sponsored training programmes**Sponsored training programmes |  | Sponsoring agency |
| Farmer and Farm women |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Youth | Beekeeping | 10 | March 2019 – April 2020 | 1 | On and Off campus | 60 | 20 | 80 |  |  |  | 80 | NABARD |
| Extension Personnel | IGNOU (DWM and CPF) | 10 | May 2019 – March 2020 | 20 | On and Off campus | 8 | 2 | 10 |  |  |  | 10 | IGNOU |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop-outs) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. Specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | TOTAL |  | 60 |  |  |  | 328 | 197 | 525 |  |  |  | 525 |  |

**Discipline: Agro-forestry**

**Name of the concerned Subject Matter Specialist: Dr. Rebecca Lalmuanpuii**  **Mobile No:** 09612319368

**E-mail** **address:** beckylmpuii127@gmail.com

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| **Mandated activities** | **Thematic Area** | **Name of Technology**  | **Source and Year of release** | **Assess/Refine** | **Area (in ha.)** | **Location** | **Period and Duration** | **Number of beneficiaries/ trials** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **On farm testing** | Introduction of MPTs in existing Systems |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Introduction of MPTs in newly Developed Systems |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Introduction of high value crops/ livestock in different systems | Promotion on Cultivation of cash crop (upland Cotton plant) for enhancing sustainable production on sloping land with agriculture crops.**Technology:** **Spacing:** 50 – 120 cm between rows and 15 – 60 cm within rows (Average 80 – 30 cm) as hedge row planting on hill slope | Central Institute for Cotton Research, 2010  | 03 | 1.5 | Upper Dialdawk, Lengpui & Lower Dialdawk | April, 2019 – March, 2020 | 02 | 01 | 03 | - | - | - | 03 |
| Reclamation of degraded area with MPTs etc. | Promotion of Multistory Promotion of Multistory cropping system and Land use Model for Sustainable Production Technology: Local natural tree (Tree bean) at a spacing of 5m X 5m advocated at hill top.Broom grass as hedge row planting in contour for soil conservation and generation of income.Cover cropping of Maize in rainy season and Rapeseed in dry season | National Research Centre for Agro-forestry (NRCAF), Jhansi, U.P, 2013  | 03 | 1.5 | Lower & Upper Dialdawk, and Lengte | April, 2019 – March, 2020 | 03 | - | 03 | - |  | - | 03 |
| Introduction of bio-fuel species/ tress |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canopy Management (Pruning/ Topping) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Secondary forestry diversification (Bamboo/ Broomgrass etc.) |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Any other (Intercropping) |  Intercropping of Birds’ Eye Chilli with Areca nut on hill slope for export oriented production**Technology:** **Arecanut at a spacing of 2.50m X 2.50m pl to pl & 2.00m X 2.00m r to r (triangular system)**Birds’ eye chilli at a spacing of Between rows 75cm, Between plants 60cm. | Assam Agricultural University, Jorhat, Assam,2015  | 03 | 1.5 | Lower Dialdawk, Lengpui & Nghalchawm | April, 2019 – March, 2020 | 03 | - | 03 | - | - | - | 03 |
|  |
| **Mandated activities** | **Thematic Area** | **Name of Technology** | **Source and Year of release** | **Crop/Cropping system** | **Area (in ha.)** | **Location** | **Period and Duration** | **Number of beneficiaries/ demon.**  |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **Front Line Demonstration** | Introduction of MPTs in existing Systems |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Introduction of MPTs in newly Developed Systems |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Introduction of high value crops/ livestock in different systems |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Reclamation of degraded area with MPTs etc. |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Introduction of bio-fuel species/ tress |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canopy Management (Pruning/ Topping) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Secondary forestry diversification (Bamboo/ Broomgrass etc.) | Cultivation of Broom grass for conservation of top soil loss and moisture retention on degraded jhum land. **Technology: 6 X 6 ft, Half moon** **terrace.**  | State Forest Research Institute, Jabalpur, MP & Arunachal Pradesh, 2013. | Broom grass | 2.0 | Upper & Lower Dialdawk, Lengte | April, 2019 – March, 2020 | 10 | - | 10 | - | - | - | 10 |
| Any other (Intercropping) | Raised and sunken bed technology for crop diversification and productivity enhancement**Technology:** **Spacing of 90 cm X 90 cm** **Arhar variety - Local****Paddy (Var. Gomati)** | Division of Crop Production (Agronomy), ICAR Research Complex for NEH Region Umiam, Meghalaya, 2015 | Arhar and Paddy | 2.0 | Upper Dialdawk & Lengpui | April, 2019 – March, 2020 | 09 | 01 | 10 | - | - |  | 10 |
|  |
| **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 Cultivation and management of Broom grass (03)
2. Training on Canopy management with special reference to Tree Bean (03)
3. Training on the importance and Scope of multi-storey cropping system (02)
4. Training on The importance and Role of Trees on Hilly slope (03)
5. Training on Safety usage and handling on Agriculture chemicals (03)
6. Training on Intercropping system with special reference to Arecanut, Tree Bean and Bird’s eye chilly (03)
 | 020202020202 | May, 2018February, 2019April, 2018June, 2018August, 2018September, 2018 | 030202030302 | On & Off CampusOn & Off CampusOn & Off CampusOn & Off CampusOn & Off CampusOn & Off Campus | 201525253020 | 10155151515 | 303030404535 | ------ | ------ | ------ | 303030404535 | **The titles of the training are tentative and subject to alteration on the convenient of the targeted group.** |
| Rural Youth | 1. Training on preparation of Raised and Sunken bed Nursery and its management for raising seedlings and cultivation of crops and vegetables (02)
2. Training on Livelihood improvement through Integrated Farming System (02)
 | 0102 | July, 2018October, 2018 | 0102 | On CampusOn & Off Campus | 1525 | 105 | 2530 | -- | -- | -- | 2530 |
| Extension Personnel | 1. Agro-forestry: An alternative to Shifting cultivation and Role of Trees on hill slope (02)
 | 02 | December, 2018 | 03 | On Campus | 15 | 10 | 25 | - | - | - | 25 |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop-outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |  |  |
|  |
| **Vocational training programmes** | Farmer and Farm women | 1. Different Agro-forestry systems for sustainable income generation (02)
 | 02 | June & August, 2018 | 05 | On Campus | 15 | 10 | 25 | - | - | - | 25 |  |
| Rural Youth | 1. Safety parameters in handling Agro chemicals (01)
 | 01 | November, 2018 | 03 | On Campus | 10 | 5 | 15 | - | - | - | 15 |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop-outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |  |  |
|  |
| **Sponsored training programmes** |  | **Sponsoring agency** |
| Farmer and Farm women |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |

**Discipline: FISHERIES**

**Name of the concerned Subject Matter Specialist:** RUALTHANTLUANGA PACHUAU  **Mobile No:** +919612311668

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|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Mandated activities** | **Thematic Area** | **Name of Technology**  | **Source and Year of release** | **Assess/Refine** | **Area (in ha.)** | **Location** | **Period and Duration** | **Number of beneficiaries/ trials** |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **On farm testing** | Incorporation of Silver barb Puntius gonionotus(bleeker) (continuation of 2018-19)  | Incorporation of Silver barb *Puntius gonionotus* (bleeker) in feed-based carp polyculture system to increase farm production.1. Procurement of species
2. Introduction of species in indigenous polyculture ponds

Sampling for effectiveness of technology | College of Fisheries, CAU, Lembucherra, 2014 | Assessment | - | Lengpui  | 2019-2020 | 8 | 2 | 10 |  |  |  | 10 |
| Breeding of Ornamental Fishes | Breeding of Ornamental fishes.1. Procurement of Ornamental Fishes
2. Practicing different breeding and rearing techniques
 | CIFE , Mumbai. | Assessment |  | lengpui | 2019-2020 | 5 | 5 | 10 |  |  |  | 10 |
|  |
| **Mandated activities** | **Thematic Area** | **Name of Technology demonstrated** | **Source and Year of release** | **Crop/Cropping system** | **Area (in ha.)** | **Location** | **Period and Duration** | **Number of beneficiaries/ demon.**  |
| **SC/ST** | **General** | **Grand Total** |
| **M** | **F** | **Total** | **M** | **F** | **Total** |
| **Front Line Demonstration** | Feeding Management | Food and feeding management of Major carps (IMC & EMC) to increase fish production. 1. Survey and procurement of locally available feed materials
2. Formulation of feeds

Demonstrating different types of feeding practice | Food and Agriculture organisation of the United Nation, 2013 |  |  | Lengpui | 2019-2020 | 10 | 10 | 20 |  |  |  | 20 |
| Integrated Farming System | Integrated Farming systemof Fisheries, Animal Husbandry and Horticulture | The International Organisation of Biological Control ,2007 | - | - | Lengpui | 2019-2020 | 1 | 1 | 2 |  |  |  | 2 |
|  |
| **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 | April 2019- Jan 2020 | 1 | On & off campus | 140 | 70 | 210 | - | - | - | 210 |  |
| Rural Youth | Pre & post stocking management of fish culture ponds, integrated fish farming, common fish diseases and their control, ornamental fisheries | 3 | April 2019- March 2020 | 1 | On-campus | 15 | 10 | 25 | - | - | - | 25 |
| Extension Personnel | Water quality management | 1 | April 2019- March 2020 | 1 | On-campus | 7 | 3 | 10 | - | - | - | 10 |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. Specify) |  |  |  |  |  |  |  |  |  |  |  |  |
|  |
| **Vocational training programmes** | Farmer and Farm women |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop-outs) |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. Specify) |  |  |  |  |  |  |  |  |  |  |  |  |
|  |
| **Sponsored training programmes**Sponsored training programmes |  | Sponsoring agency |
| Farmer and Farm women |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Youth |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Extension Personnel |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civil Society |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NGO(including school drop-outs) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. Specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | TOTAL |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Extension Activities of the KVK proposed for the year 2019-20**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 | 400 | Apr-mar | 100 | 250 | 150 | 400 | - | - | - | 250 | 150 |
| Advisory services/ telephone talk | 600 | Apr-mar |  | 400 | 200 | 600 |  |  |  | 400 | 200 |
| Training Manual | 2 | Apr-mar |  |  |  |  |  |  |  |  |  |
| Celebration of Important days | 6 | Apr-mar | 6 | 90 | 90 | 180 | - | - | - | 90 | 90 |
| Exhibition | 2 | Apr-Mar | - | - | - | - | - | - | - | - | - |
| Exposure visit | 2 | Dec & Mar | 14 | 20 | 20 | 40 | - | - | - | 20 | 20 |
| Extension literature (Leaflet/ folders/ Pamphlets) | 12 | Apr-mar | 42 | 1200 | 1200 | 2400 | - | - | - | 1200 | 1200 |
| Extension / technical bulletin |  |  |  |  |  |  |  |  |  |  |  |
| News letter | 2 | Apr-mar | 2 | 50 | 50 | 100 | - |  |  |  |  |
| News paper coverage | 5 | Apr-mar |  |  |  |  |  |  |  |  | 500 |
| Research publications | 2 |  |  |  |  |  |  |  |  |  |  |
| Success stories/ Case studies | 4 | Apr-mar | - | 2 | 1 | 3 |  |  |  | 2 | 1 |
| Farm Science Clubs’ Convenors meet |  |  |  |  |  |  |  |  |  |  |  |
| Farmers’ Seminar |  |  |  |  |  |  |  |  |  |  |  |
| Farmers’ visit to KVKs | 500 | Apr-mar | 20 | 300 | 200 | 500 | - | - | - | 300 | 200 |
| Ex-trainees’ meet |  |  |  |  |  |  |  |  |  |  |  |
| Field day | 4 | Nov, Mar | 4 | 80 | 80 | 160 | - | - | - | 80 | 80 |
| Film show | 4 | Apr-Mar | 2 | 200 | 150 | 350 | - | - | - | 200 | 150 |
| Radio Talk | 6 | Apr-mar | 6 | 1000 | 1000 | 2000 | - | - | - | 1000 | 1000 |
| TV talk |  |  |  |  |  |  |  |  |  |  |  |
| Kishan Goshthi |  |  |  |  |  |  |  |  |  |  |  |
| Group Meeting |  |  |  |  |  |  |  |  |  |  |  |
| Kishan Mela | **1** | Apr-Mar |  |  |  |  |  |  |  |  |  |
|  Soil Health Camps | 1 | December | 2 | 100 | 100 | 200 |  |  |  | 100 | 100 |
| Animal Health Camps | 2 | Apr-Mar | 2 | 100 | 100 | 200 |  |  |  | 100 | 100 |
| Awareness camp Mobile Agro-Advisory (Messages/ Beneficiaries) | 1500 | Apr-Mar | 3 | 1100 | 400 | 1500 |  |  |  | 1100 | 400 |
| Method demonstration | 10 | Apr-Mar | 1 | 150 | 100 | 250 | - | - | - | 150 | 100 |
| Scientists’ visit to farmers’ field | 200 | Apr-mar | 200 | 120 | 80 | 200 | - | - | - | 120 | 80 |
| Workshop/ Seminar |  |  |  |  |  |  |  |  |  |  |  |
| Soil Testing | 12 | April- March | 36 | 120 | - | 120 |  |  |  | 120 | - |
| Water Testing | 12 | April- March | 12 | 24 | - | 24 |  |  |  | 24 | - |
| Plant Testing | 12 | April- March | 12 | 24 | - | 24 |  |  |  | 24 | - |
| Manure Testing | 12 | April- March | 12 | 24 | - | 24 |  |  |  | 24 | - |
| Any other (Pl. Specify) |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **3313** |  |  |  |  | **9275** |  |  |  |  |  |

**Summary Activity Calendar of the KVK (Month-wise target to be completed) for the year 2019-20**

**KVK: Mamit**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Activity/ Month** | **Apr** | **May**  | **June**  | **July**  | **Aug** | **Sep** | **Oct** | **Nov** | **Dec** | **Jan** | **Feb** | **Mar** | **Total** |
| **OFT (Nos.)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Number of Technologies
 | 11 | 11 | 11 | 11 | 11 | 11 | 12 | 12 | 11 | 11 | 11 | 11 | **12** |
| 1. Number of Trials
 | 51 | 51 | 51 | 51 | 51 | 51 | 54 | 44 | 51 | 51 | 51 | 51 | **54** |
| 1. Area (ha)/ items (no.)
 | 5.9/36 | 5.9/36 | 5.9/36 | 5.9/36 | 5.9/36 | 5.9/36 | 6.2/36 | 6.6/26 | 6.6/26 | 6.6/26 | 6.6/26 | 6.6/26 | **6.6/36** |
| **FLD (Nos.)** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Number
 | 73 | 73 | 73 | 71 | 71 | 71 | 76 | 76 | 65 | 65 | 65 | 65 | **86** |
| 1. Area(ha)/ items (no.)
 | 16.2/35 | 16.2/35 | 16.2/35 | 24.2/25 | 24.2/25 | 24.2/25 | 26.2/25 | 26.2/25 | 22.2/22 | 22.2/22 | 22.2/22 | 22.2/22 | **26.5/35** |
| **Training programme** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. **Farmer**
 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. No. of course
 | 4 | 5 | 5 | 5 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | **53** |
| 1. No. of participants
 | 100 | 108 | 110 | 112 | 90 | 90 | 92 | 112 | 90 | 96 | 120 | 85 | **1205** |
| 1. **Rural Youth**
 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. No. of course
 | - | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | **25** |
| 1. No. of participants
 | - | 55 | 45 | 60 | 55 | 45 | 45 | 45 | 30 | 40 | 30 | 25 | **475** |
| 1. **Ext. Personnel**
 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. No. of course
 | - | 1 | 1 | 1 | 1 | 17 | 1 | 2 | - | - | - | - | **24** |
| 1. No. of participants
 | - | 20 | 30 | 30 | 20 | 25 | 20 | 45 | - | - | - | - | **190** |
| 1. **NGO & Civil Society**
 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. No. of course
 | - | - | - | - | 11 | - | 8 | - | - | - | - | - | **19** |
| 1. No. of participants
 | - | - | - | - | 220 | - | 205 | - | - | - | - | - | **425** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Extension Activities/ programmes** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. No. of activities
 | 276 | 276 | 276 | 276 | 276 | 276 | 276 | 277 | 276 | 276 | 276 | 276 | **3313** |
| 1. No. of beneficiaries
 | 772 | 772 | 772 | 772 | 772 | 772 | 772 | 780 | 775 | 772 | 772 | 772 | **9275** |
| **Publications** |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 2 | 1 | 1 |  |  |  | 2 |  |  | **6** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Seeds production (tonnes)** |  | 0.55 |  |  |  | 0.05 | 0.15 | 2.5 |  |  |  |  | **3.25** |
| **Planting materials (Nos. in lakh)** |  |  | 0.005 | 0.01 | 0.042 |  | 0.25 |  |  |  |  |  | **0.307** |
| **Livestock strains (No. in lakh)** |  |  |  |  | 0.01 |  |  |  |  |  |  |  | **0.01** |
| **Fingerlings (No. in lakh))** |  |  |  |  | 0.05 |  |  |  |  |  |  |  | **0.05** |
| **Bio-agents/ products (tonnes)** |   |  |  |  |  | 0.1 |  |  |  |  |  |  | **0.1** |
| **Bio-fertilizers/ Vermicompost etc. (in Tonnes)** | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | **0.6** |
| **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- | 201010 | 1010 | 510 | 51010 | 51010 | 51010 | 510 | 751010 | 10010 | 7510 | 2510 | Soil-330Water-120Plant-40Manures-10 |
| **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)** | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 1200 |
| **Mobile Agro-Advisory (No. of Farmers)** | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 1200 |

Signature

Sr. Scientist & Head