

**Indian Council of Agricultural Research
Agricultural Technology Research Institute, Zone-III
Umiam, Meghalaya**

Format for Annual Action Plan Formulation of KVKs, Zone-III for 2016-17

Name of the KVK/District: Khawzawl, Champhai District

State: Mizoram

Host Organization: Directorate of Agriculture (Research & Extension)

Present Staff Position in KVK

| Sl. No. | Name | Gender (M/F) | Category (General/OBC/SC/ST) | Designation | Discipline | Mobile No. |
|---------|--------------------------|--------------|------------------------------|---------------------|------------------|------------|
| 1. | LALRINAWMI RENTHLEI | F | ST | Sr.Scientist & Head | Horticulture | 8730976955 |
| 2. | MALSAWMKIMI | F | ST | Scientist | Horticulture | 9612624738 |
| 3. | SYED KHALIDUDDIN AHMED | M | General | Scientist | Animal Science | 9862310702 |
| 4. | F. ZORAMTHARI | F | ST | Scientist | Plant Protection | 9862842195 |
| 5. | Dr.OM PRAKASH | M | General | Scientist | Agronomy | 9436960302 |
| 6. | R. VANLALDUATI | F | ST | Scientist | Soil Science | 9615591207 |
| 7. | ISRAEL LALREMRUATA | M | ST | Scientist | Agro-forestry | 9436153750 |
| 8. | LALHRUAITLUANGI | F | ST | Programme Assistant | Home Science | 8794070569 |
| 9. | SAMSON SAIRENGPUIA SAILO | M | ST | Programme Assistant | Computer | 9862387255 |
| 10. | PRAKASH THAPA | M | OBC | Farm Manager | Agriculture | 8974965644 |
| 11. | K.VANLALHMANGAIHI | F | ST | Programme Assistant | - | 9862371570 |
| 12. | CRUSADE THANGPUII | F | ST | Stenographer | - | 9862303611 |
| 13. | LALNUNTLUANGA | M | ST | Driver | - | 9612520841 |
| 14. | R.DENGLIANA | M | ST | Driver | - | 9862335050 |
| 15. | LALTANPUIA | M | ST | Supporting staff | | 8575709622 |
| 16. | VANLALVENHIMA | M | ST | Supporting staff | | 9615327226 |

Discipline: Agronomy

Name of the concerned Subject Matter Specialist : Dr. Om Prakash Mobile No: 9436960302. E-mail address: om2@rediffmail.com

| Mandated activities | Thematic Area | Name of Technology Assessed/ Refined (in Specific) | Source and Year of release | Assess/R efine | 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 Rice var. Samba Mahsuri(BPT-5204), Jeera Phool etc. Time of transplanting: June Seed rate :40 kg/ha Observation : 1)No. of hills / sq m 2)No. of tillers / sq m 3)No. of effective tillers/ sq m 4)No. of grains / panicle 5)Yield/ha 6) Economics | DRR, Hyderabad, 2010 | A | 0.4 | KVK Farm, Tuisenpha, New champhai | June -Oct.15 150 days | 02 | 01 | 03 | | | | 03 |
| | Integrated Weed Management | Economic viability of herbicide on weed management in Rice. Technology: Nominee gold (Bispyribac sodium) @25g ai /ha at 15 -25 DAT Date of transplanting: June Seed rate : 40 kg/ha Observation : 1)No. of weeds / sq m 2)No. of hills / sq m 3)No. of tillers / hill 4)No. of grains /panicle 5)Yield /ha 6)Economics | DWR, Jabalpur,2012 | A | 0.4 | New champhai, KVK Farm, Phaisen | May-Aug. 15 110 days | 02 | 01 | 03 | | | | 03 |

| | | | | | | | | | | | | | | |
|--|---------------------|--|------------------|---|-----|--------------------------------|--|----|----|----|--|--|--|----|
| | Varietal evaluation | Performance of Sesamum Variety: ST-1683 Time of sowing: May Seed rate :8-10 kg Observation: 1. Date of sowing 2.Plant stand/sq mt 3. Plant Height(cm) 4. No of pods/plant 5. Yield/ha | AAU, Jorhat 2010 | A | 0.4 | Khawzawl, KVK Farm, Chawngtlai | | 02 | 01 | 03 | | | | 03 |
|--|---------------------|--|------------------|---|-----|--------------------------------|--|----|----|----|--|--|--|----|

| 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 | Varietal evaluation | Performance of Paddy Variety: Gomati D.O.T. :June Seed rate : 40kg/ha Observation : 1. Date of sowing 2.Grain yield (qtls/ha) | ICAR, Tripura 2012 | Paddy | 2.5 | KVK Farm, Tuimuk, Tuisenphai, Phaisen, New champhai | June-October 130 days | 06 | 04 | 10 | | | | 10 |
| | Integrated Nutrient Management | Performance of Arkel with <i>Rhizobium</i> inoculation Sowing: November Seed rate : 80 kg/ha Technology: <i>Rhizobium</i> coating @200gm/10Kg seed Observation : 1. Date of sowing 2. Seed yield (qtls/ha) | AAU, Jorhat, 2010 | Field Pea | 2.5 | Tuisenphai, KVK Farm, Tuimuk, Zotlang | Nov 15-Jan.16 90 days | 06 | 04 | 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 | | |
| 5 | Farmer and Farm | 1. Economics of chemical weed mnngt. in Rice (2) | 1 | 4 | 1 | On & Off | 35 | 15 | 50 | - | | | 50 | |

| | | | | | | | | | | | | | | |
|-------|---|---|---|--|-----|-----|----|----|----|---|--|----|----|--|
| women | 2.Scientific cultivation of Field pea (1) | 1 | | | Off | 25 | 05 | 30 | - | | | 30 | | |
| | 2. Advantage of chemical weed mngt. In Maize (1) | 1 | | | Off | 25 | - | 25 | - | | | 25 | | |
| | 3. System of rice intensification (SRI) (1) | 1 | | | Off | 25 | 05 | 30 | - | | | 30 | | |
| | 4. Benefits of <i>Rhizobium</i> inoculation in pulses (1) | 1 | | | On | 15 | 10 | 25 | - | | | 25 | | |
| | 5. Package of practices for raising paddy seedlings (1) | 1 | | | Off | 30 | - | 30 | - | | | 30 | | |
| | 6. Advantage of fodder maize - African Tall (1) | 1 | | | On | 15 | 05 | 20 | - | | | 20 | | |
| | 7. Package of practices for cultivation of groundnut(1) | 1 | | | On | 15 | 05 | 20 | - | | | 20 | | |
| | 8. Advantage of water conservation during rabi season (1) | 1 | | | Off | 20 | 5 | 25 | - | | | 25 | | |
| | Rural Youth | Chemical weed mngt. in non cropped areas (1) | 1 | | | Off | 30 | 5 | 35 | - | | | 35 | |
| | Extension Personnel | Economics of chemical weed mngt. in maize (1) | 1 | | | On | 15 | 05 | 20 | - | | | 20 | |

Discipline: Horticulture

Name of the concerned Subject Matter Specialist :. Malsawmкими. Mobile No: 9612624738. E-mail address: sawmi77@rediffmail.com

| 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 | 1. Performance of Garlic var. Agri Found Parvati under Champhai District Seed rate: 700-800 kg clove /Ha Time of Planting: August – september Spacing: 10 X 7.5 cm N:PK: 100:50:50 (maturity 220 days) | NHRDF 1992 | A | 0.75 | Lungvar, Chawngtlai and Muallungthu | Aug-Dec, 2016 | 2 | 1 | 3 | | | | 3 |
| | | 2. Evaluation of Kharif Onion varieties in Champhai District Transplanting: June (6-7 weeks) old Seed rate:7-8 kg/ha Spacing:15 X10cm 100:50:50:50 kg NPKS/ha apply 50% N and 100% P & K and S as basal dose and remaining 50% of N to be applied in two splits at30 and 40 DAT. Top dressing must complete before bulb development. | NHRDF 2013 | A | 0.75 | Phaisen hnar , Lungsum mual and Lungvar | May-Sep, 2016 | 2 | 1 | 3 | | | | 3 |
| | | 3. Introduction of Tomato var. Arka Rakshak IIHR, 2013 Variety: Arka Rakshak Seed Rate- 125-175g/Ha Spacing : 60 X 45 cm Time of sowing: March – april NPK kg/ha 120:50:50 kg/ha | IIHR, 2013 | A | 0.75 | Tuipui, Muallungthu and Lungsum mual | April-September, 2016 | 2 | 1 | 3 | | | | 3 |

| 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 | Performance of King chilli Seed rate:1kg/ha Spacing:60x60cm FYM:10t/ha NPK@:100:50:50kg/ha | ICAR for NEH, 2009 | King chilli | 1 | Tuipui, Chawngtlai and khawzawl | May – September | 7 | 3 | 10 | - | | 10 | 10 |
| | Varietal evaluation | Performance of Onion variety Agrifound Light Red | NHRDF, Nashik 1993 | Onion | 1 | Halsualmual, Phaisen, Tuis enphai | September-February | 7 | 3 | 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 campuses | 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.Scientific cultivation of Ginger | 1 | April 2016- March 2017 | 1 Day each | On | 15 | 15 | 30 | - | 30 | | 30 | |
| | | 2.Layout and management of orchard | 1 | | | Off | 15 | 10 | 25 | - | 30 | | 30 | |
| | | 3.Scientific management of M. Orange | 1 | | | Off | 25 | 5 | 30 | - | 30 | | 30 | |
| | | 4.Training and Pruning in major fruit crop | 1 | | | Off | 25 | 05 | 30 | - | 30 | | 30 | |
| | | 5.Citrus decline and its management | 1 | | | on | 20 | 10 | 30 | - | 30 | | 30 | |

| | | | | | | | | | | | | | | |
|--|---------------------|--|---|--|--|-----|----|----|----|---|----|--|----|--|
| | | 6. Curing and Storage of Onion | 1 | | | Off | 20 | 10 | 30 | - | 30 | | 30 | |
| | | 7. Winter vegetable production | 1 | | | on | 20 | 10 | 30 | - | 30 | | 30 | |
| | | 8. Better nursery raising | 1 | | | off | 20 | 10 | 30 | - | 30 | | 30 | |
| | | 9. Scientific cultivation of kiwi | 1 | | | On | 20 | 10 | 30 | - | 30 | | 30 | |
| | | 10. Weed management in Horticultural crops | 1 | | | Off | 20 | 10 | 30 | - | 30 | | 30 | |
| | Rural Youth | Winter vegetable cultivation | 1 | | | On | 15 | 5 | 20 | | 20 | | 20 | |
| | | Training and Pruning in major fruit crop | 1 | | | On | 15 | 5 | 20 | | 20 | | 20 | |
| | Extension Personnel | Citrus rejuvenation | 1 | | | On | 5 | 5 | 10 | - | 10 | | 10 | |
| | | | | | | | | | | | | | | |

Discipline: Soil Science

Name of the concerned Subject Matter Specialist : R.Vanlalduati. Mobile No: 9615591207. E-mail address: maduatiralte@gmail.com.

| 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 | Soil health | Effect of <i>Azolla</i> on the yield of Rice crop. | IARI, New Delhi, 2014 | A | 0.4 | Khawzawl, Zotlang | June 2016-December 2016 | 3 | - | 3 | | | | 3 |
| | Soil management | Effects of micronutrients on growth, yield and quality of Chilli | UAS, Dharwad 2010 | A | 0.4 | Lungpuizawl(Ruantlang),Khawzawl | April 2016-December 2016 | 3 | - | 3 | | | | 3 |
| | | Effect of mulching method on the yield of Tomato | BAU, | A | 0.4 | Tiauphai, Saisih(Ruantl | April 2016-March | 3 | - | 3 | | | | 3 |

| | | var.Arka rakshak | 2009 | | | ang),Khawzawl | 2017 | | | | | | | |
|---------------------------------------|-----------------------|---|----------------------------|-----------------------|--------------------|---------------------|-------------------------|---------------------------------|-------|---------|---------|-------|-------------------|-------------|
| 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 | Soil health | Effect of Chemical fertilizers on the yield of Brinjal | BAU, 2010 | Brinjal | 1 | Khawzawl, Ruantlang | April 2016-March 2017 | 7 | 3 | 10 | | | 10 | 10 |
| | Soil management | Growth and yield of Tomato as influenced by organic fertilizers | BAU, 2011 | Tomato | 1 | Khawzawl | April 2016-March 2017 | 5 | 5 | 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 | 1.Production of organic inputs | 1 | April 2016-March 2017 | 1 Day each | On | 10 | 10 | 20 | | | | 20 | |
| | | 2. Integrated Nutrient Management in grapes | 1 | | | Off | 30 | 10 | 40 | | | | 40 | |
| | | 3. Importance of major and micronutrients in fruit crops | 1 | | | Off | 20 | 20 | 40 | | | | 40 | |
| | | 4. Soil amendment by lime application | 1 | | | Off | 30 | 10 | 40 | | | | 40 | |
| | | 5.Balance Fertilization | 1 | | | On | 10 | 10 | 20 | | | | 20 | |
| | | 6.Methods of fertilizer application | 1 | | | Off | 30 | 10 | 40 | | | | 40 | |
| | | 7.Soil conservation by construction of terraces | 1 | | | Off | 25 | 10 | 35 | | | | 35 | |
| | | 8.Deficiency symptoms of major and micro nutrients and management | 1 | | | On | 10 | 10 | 20 | | | | 20 | |
| | Rural Youth | 1.Role of major and micro nutrients | 1 | | | On | 15 | 5 | 20 | | | | 20 | |
| | Extension Personnel | Soil sampling technique and importance of soil analysis | 1 | | | On | 10 | 5 | 20 | | | | 20 | |
| Sponsored training programmes | | | | | | | | | | | | | Sponsoring agency | |
| | Farmer and Farm women | 1.Fertilizer Use Efficiency | 1 | | | Off | 20 | 10 | 30 | | | | 30 | RKVY |
| | | 2.Benefits use of different mulching materials | 1 | | | Off | 10 | 5 | 15 | | | | 15 | |

| | | | | | | | | | | | | | | |
|--|-------------|--------------------------------|---|--|--|-----|----|---|----|--|--|--|----|------|
| | Rural Youth | 2. Benefits of soil testing(2) | 1 | | | Off | 25 | 5 | 30 | | | | 30 | RKVY |
|--|-------------|--------------------------------|---|--|--|-----|----|---|----|--|--|--|----|------|

Discipline: Plant Protection (Entomology/ Plant Pathology/ Nematology)

Name of the concerned Subject Matter Specialist: F.ZORAMTHARI Mobile No: 9862842195 E-mail address : fzori@yahoo.com

| 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 | Integrated Pest Management | <p>Integrated Pest Management of white fly in tomato Technology:</p> <p>1)Uprooting and destroying of diseased leaf curl plants</p> <p>2)Judicious use of nitrogen fertilizer and irrigation .</p> <p>3)Installation of yellow sticky traps @ 12 no/ha to attract and kill insects.</p> <p>4) Application of carbofuran 3% G @ 40 kg/ha and ETL based spraying with Dimethoate 1ml/lit of water</p> <p>Parameters to be studied:</p> <p>1) No of infested plants at ten days interval</p> <p>2)Leaf curl Disease incidence (%)</p> <p>3) Pest incidence (%)</p> <p>4) Yield Kg/Ha</p> | TNAU,2014 | A | 1.2 | Tuipui, Tuisenphai (Khawzawl) Phaizau,Champhai | Oct 2016 – February 2017 | 3 | | 3 | | | | 3 |

| | | | | | | | | | | | | | | | |
|--|--|--|------------|------------|-----|---|-------------------|---|--|--|--|--|--|--|---|
| | | <p>Integrated pest Management of Aphids (Lipaphis erysimi) in Mustard. (Brassica juncea var rugosa)</p> <p>Technology:</p> <p>1)Early sowing of seeds (i.e before 20th of october)</p> <p>2)Setting up of yellow sticky traps @ 12 No/ha</p> <p>3)Destruction of aphid infesting twigs at the initial stage of appearance.</p> <p>4)Spraying with neem oil 3% from 2nd -3rd week of Dec</p> <p>5)ETL based spraying with dimethoate @ 625-1000ml/ha /imidacloprid @ 1 ml/lit of water</p> <p>i) Use of pheromone trap @12/ha for yellow stemborer</p> <p>ii) Application of NeemseedKernelextract@25kg/ha</p> <p>iii)ETL based application ofFlubendiamide @75ml/ha/ Imidacloprid @500ml/ha/ Hexaconozole@1ml/lit</p> <p>Parameters to be studied:</p> <p>1) No of infested plants at ten days interval</p> <p>2) Pest incidence (%)</p> <p>3) Yield Kg/Ha</p> | TNAU, 2010 | Assessment | 1.2 | Phaizau,Champhai and tuisenphaiK hawzawl and Tuimuk ,khawzawl | Oct 2016-Feb 2017 | 3 | | | | | | | 3 |
|--|--|--|------------|------------|-----|---|-------------------|---|--|--|--|--|--|--|---|

| Mandated activities | Thematic Area | Name of Technology demonstrated | Source and Year of release | Crop/Crop ping 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 | Integrated Pest Management | <p>Management of shoot and rhizome borer in ginger</p> <p>Details of Technology:</p> <p>Spraying ofDimethoate@2ml/lit.</p> <p>Parameters to be studied:</p> <p>1. Dead heart (%)</p> <p>2. Reduction of dead heart symptom (%)</p> <p>3. Yield</p> | TNAU,2005 | Ginger | 5 ha | Chalrang ,Tualte,Tuisenphai and Lungdingram (Chawngtla i) | April 2016-March 2017 | 10 | | 10 | | | | | 10 |
| | | <p>II Integrated pests and diseases management in paddy</p> <p>Details of Technology:</p> <p>Use of <i>Pseudomonas</i> as seed treatment,soil application, foliar spray</p> <p>i)Release of egg parasitoids</p> | TNAU,2011 | Paddy | 2 ha | Tuisenphai: Tuimuk: Phaitha: Phaisen: Phaizau | June 2016- Nov 2016 | 10 | | 10 | | | | | |

| | | (<i>T.chilonis</i> @5cc/ha for leaf folder on 37, 44 &51 DAT; <i>T.japanicum</i> @5cc/ha for stem borer on 30 & 37 DAT) ii)Use of pheromone trap @ 12/ha for yellow stemborer iii)Application of NeemseedKernelextract@25kg/ha iv)ETL based application of Flubendiamide @75ml/ha/ Imidacloprid @500ml/ha/ Hexaconozole@ 1ml/lit Parameters to be studied: 1. Dead heart(%) 2. White ears (%) 3. Disease intensity (%) 4. Yield (kg/ha) | | | | | | | | | | | | | | | | | 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. Disease and pest management in passion fruit. | 1 | April 2016-March 2017 | 1 Day each | off | 20 | 10 | 30 | | | | 30 | | | | | | |
| | | 2.IP M in ginger | 1 | | | On | 20 | 10 | 30 | | | | 30 | | | | | | |
| | | 3. IPM in tomato | 1 | | | On | 20 | 10 | 30 | | | | 30 | | | | | | |
| | | 4. IPM in Cabbage | 1 | | | Off | 20 | 10 | 30 | | | | 30 | | | | | | |
| | | 5. Pests and diseases management in Citrus | 1 | | | Off | 20 | 10 | 30 | | | | 30 | | | | | | |
| | | 6. Safety use of pesticides | 1 | | | On | 20 | 10 | 30 | | | | 30 | | | | | | |
| | | 7. Preparation of neem extracts. | 1 | | | On | 20 | 10 | 30 | | | | 30 | | | | | | |
| | | 8. Preparation of Bordeaux paste | 1 | | | Off | 20 | 10 | 30 | | | | 30 | | | | | | |
| | Rural Youth | 1.Mushroom cultivation (Chinese method) | 1 | | | On | 10 | 10 | 20 | | | | 20 | | | | | | |
| | | 2. Preparation of neem extracts | 1 | | | On | 10 | 10 | 20 | | | | 20 | | | | | | |
| | | 3. Preparation of Bordeaux paste | 1 | | | Off | 10 | 10 | 20 | | | | 20 | | | | | | |
| | | 4. IPM in Ginger | 1 | | | Off | 10 | 10 | 20 | | | | 20 | | | | | | |
| r a i n i n g | | | | | | | | | | | | | Sponsoring | | | | | | |

| | | | | | | | | | | | | | | agency |
|-----------------------|---|---|----------------|------------|-----|----|----|----|--|--|--|--|----|----------------------|
| Farmer and Farm women | 1)Pest and Disease management of winter vegetable | 1 | November,2016 | 1 Day each | Off | 20 | 10 | 30 | | | | | 30 | RKVY/ATMA /Line Dept |
| | 2. Management of storage pests | 1 | February, 2017 | 1 Day each | Off | 20 | 10 | 30 | | | | | 30 | |
| Extension Personnel | IPM in ginger | 1 | March,2017 | 1 Day each | On | 10 | 10 | 20 | | | | | 20 | RKVY/ATMA /Line Dept |

Discipline: Animal Science

Name of the concerned Subject Matter Specialist: Syed Khaliduddin Ahmed **MobileNo:** 9862310702

E-mail address: skhalidahmeds@gmail.com

| Mandated activities | Thematic Area | Name of Technology | Source and Year of release | Asse ss/R efine | 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 | Breed introduction | Evaluation and Comparison of Burmese local Sows with Improved Crossbreed (Hampshire cross) Sows with respect to Oestrus cycle, inter Furrowing Intervals & litter size Parameters: a) Age at first furrowing b) Litters size at furrowing c) Wt. of litter (weekly interval till weaning) d) Mortality till weaning | ICAR, Barapani | A | | Khawzawl | 24 months | 02 | 02 | 04 | - | - | - | 04 |
| | Fodder production and quality enhancement | Introduction of Kent and Oat (JHO-822) as Fodder crops: Observations: a) Duration of Cutting b)Yield t/ha c) Economic Analysis | IGFRI, Jhansi | A | | Khawzawl | 12 months | 02 | 01 | 03 | | | | 03 |

| Mandated activities | Thematic Area | Name of Technology demonstrated | Source and Year of release | Livestock enterprise | 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 | Breed introduction | Introduction of fast growing Fish like Major carps viz. catla, common carp, Rohu & Mrigal in paddy cultivation. | TNAU | Piggery | 16 | Khawzawl & Champai | 2 Years | 40 | - | 40 | | | | 40 |

| 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/Of f 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. Fodder Production | 1 | April 16 - March 17 | 1 Day each | On | 45 | 05 | 50 | - | | 50 | 50 | |
| | | 2. Dairy Management | 1 | | | Off | 45 | 05 | 30 | - | | 50 | 50 | |
| | | 3. Piggery Management | 1 | | | Off | 45 | - | 45 | - | | 45 | 45 | |
| | Rural Youth | Poultry Management | 1 | | | Off | 45 | 5 | 50 | - | | 50 | 50 | |
| | | Piggery Management | 1 | | | On | 35 | 4 | 39 | - | | 39 | 39 | |
| Vocational training programmes | Farmer and Farm women | Fodder Production | 1 | | 2 day | On | 15 | 05 | 20 | - | | 20 | 20 | |
| | Rural Youth | Deworming and Vaccination Schedule in Piggery production. | 1 | | 2 | On | 30 | 5 | 35 | - | | 35 | 35 | |
| Sponsored training programmes | | | | | | | | | | | | | Sponsoring agency | |
| | Farmer and Farm women | | | | | | | | | | | | | |
| | Rural Youth | Importance of vaccination in farm animals | 1 | | 1 | | 10 | 2 | 12 | | | | 12 | 12 |

Extension Activities of the KVK proposed for the year 2016-17

| 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 | 86 | April' 16-march 2017 | 1 day each | 170 | 150 | 320 | | - | | 170 | 150 |
| Advisory services/ telephone talk | 200 | April' 16-march 2017 | 1 day each | 300 | 70 | 370 | - | - | - | 300 | 70 |
| Training Manual | 12 | April' 16-march 2017 | 1 day each | 30 | 50 | 30 | - | - | - | 30 | 50 |
| Celebration of Important days | 05 | April' 16-march 2017 | 1 day each | Mass | | | | | | - | - |
| Exhibition | 2 | April' 16-march 2017 | 1 day each | 700 | 500 | 1200 | | | | 700 | 500 |
| Exposure visit | - | | | | | | | | | - | - |
| Extension literature (Leaflet/ folders/ Pamphlets) | 14 | April' 16-march 2017 | 1 day each | 500 | 300 | 800 | | | | 500 | 300 |
| News letter | 2 | April' 16-march 2017 | 1 day each | 400 | 200 | 600 | | | | 400 | 200 |
| News paper coverage | 50 | April' 16-march 2017 | 1 day each | 1500 | 500 | 2000 | | | | 1500 | 500 |
| Research publications | 2 | April' 16-march 2017 | 1 day each | Mass | | | | | | | |
| Success stories/ Case studies | 3 | April' 16-march 2017 | 1 day each | 3 | | 3 | | | | 3 | |
| Farm Science Clubs' Convenors meet | 1 | April' 16-march 2017 | 1 day each | 40 | 20 | 50 | | | | 40 | 20 |
| Farmers' Seminar | 1 | April' 16-march 2017 | 1 day each | 70 | 30 | 100 | | | | 70 | 30 |
| Farmers' visit to KVKs | 100 | April' 16-march 2017 | 1 day each | 200 | 100 | 300 | | | | 200 | 100 |
| Ex-trainees' meet | 1 | April' 16-march 2017 | 1 day each | 30 | 20 | 50 | | | | 30 | 20 |

| | | | | | | | | | | | |
|--|----|----------------------|------------|-----|-----|-----|--|--|--|-----|-----|
| Field day | 15 | April' 16-march 2017 | 1 day each | 300 | 150 | 450 | | | | 300 | 150 |
| Film show | 4 | April' 16-march 2017 | 1 day each | 100 | 30 | 130 | | | | 100 | 30 |
| Radio Talk | 1 | April' 16-march 2017 | 1 day each | 100 | 50 | 150 | | | | 100 | 50 |
| TV talk | 2 | April' 16-march 2017 | 1 day each | 600 | 300 | 900 | | | | 600 | 300 |
| Kishan Goshthi | 2 | April' 16-march 2017 | 1 day each | 60 | | 60 | | | | 60 | |
| Group Meeting | 2 | April' 16-march 2017 | 1 day each | 70 | 50 | 120 | | | | 70 | 50 |
| Kishan Mela | 2 | April' 16-march 2017 | 1 day each | 700 | 200 | 900 | | | | 700 | 200 |
| Soil Health Camps | 4 | April' 16-march 2017 | 1 day each | 300 | 100 | 400 | | | | 300 | 100 |
| Animal Health Camps | 1 | April' 16-march 2017 | 1 day each | 50 | 10 | 60 | | | | 50 | 10 |
| Awareness camp Mobile Agro-Advisory (Messages/ Beneficiaries) | 1 | April' 16-march 2017 | 1 day each | 100 | 50 | 150 | | | | 100 | 50 |
| Method demonstration | 14 | April' 16-march 2017 | 1 day each | 140 | 50 | 190 | | | | 140 | 50 |
| Scientists' visit to farmers' field | 50 | April' 16-march 2017 | 1 day each | 100 | 5 | 105 | | | | 100 | 5 |
| Workshop/ Seminar | 1 | April' 16-march 2017 | 1 day each | 100 | 30 | 130 | | | | 100 | 30 |
| Soil Testing | 20 | April' 16-march 2017 | 1 day each | 250 | 50 | 300 | | | | 250 | 50 |
| Water Testing | - | | | | | | | | | | |
| Plant Testing | - | | | | | | | | | | |
| Manure Testing | 10 | April' 16-march 2017 | 1 day each | 10 | 10 | 20 | | | | 10 | 10 |

Activity Calendar of the KVK (Month-wise target to be completed) for the year 2016-17

KVK: Khawzawl, Champhai District

| Activity/ Month | Apr | May | June | July | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Total |
|----------------------------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-------|
| OFT (Nos.) | | | | | | | | | | | | | |
| i. Number of Technologies | 2 | 4 | 1 | | 2 | 4 | 1 | | | | | | 14 |
| i. Number of Trials | 6 | 12 | 3 | | 6 | 13 | 3 | | | | | | 43 |
| ii. Area (ha)/ items (no.) | 1.15 | 1.95 | 0.4 | | 1.15 | 1.6 | 1.2 | | | | | | 7.45 |

| | | | | | | | | | | | | | |
|--|----|-----|-----|-----|------------|-----|-----|-----|----|----|----|----|---------|
| FLD (Nos.) | | | | | | | | | | | | | |
| i. Number | 3 | 1 | 1 | | 1 | 1 | | 1 | | | | | 8 |
| ii. Area(ha)/ items (no.) | 22 | 1 | 2 | | 1 | 1 | | 1 | | | | | 28 |
| Training programme | | | | | | | | | | | | | |
| A. Farmer | | | | | | | | | | | | | |
| i. No. of course | 2 | 5 | 4 | 3 | 3 | 7 | 6 | 6 | 1 | 3 | 2 | 2 | 44 |
| ii. No. Of participants | 45 | 130 | 140 | 120 | 105 | 205 | 185 | 160 | 30 | 80 | 60 | 60 | 1320 |
| B. Rural Youth | | | | | | | | | | | | | |
| i. No. of course | | 1 | 2 | 2 | 2 | 1 | 2 | 2 | | | 1 | 1 | 14 |
| ii. No. Of participants | | 20 | 56 | 55 | 50 | 30 | 50 | 40 | | | 20 | 20 | 341 |
| C. Ext. Personnel | | | | | | | | | | | | | |
| i. No. of course | | 1 | | | | | 2 | | | | | 1 | 4 |
| ii. No. Of participants | | 20 | | | | | 30 | | | | | 20 | 70 |
| Extension Activities/ programmes | | | | | | | | | | | | | |
| i. No. of activities | | | | | | | | | | | | | 722 |
| ii. No. of beneficiaries | | | | | | | | | | | | | 7398 |
| Seeds production (tonnes) | | | | | | | | | | | | | 1.15015 |
| Planting materials (Nos. in lakh) | | | | | | | | | | | | | 0.138 |
| Livestock strains (No. in lakh) | | | | | | | | | | | | | |
| Fingerlings (No. in lakh) | | | | | | | | | | | | | 0.2 |
| Bio-agents/ products (tonnes) | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------------------|
| Bio-fertilizers/ Vermicompost etc. (in Tonnes) | | | | | | | | | | | | | | 0.5 |
| Soil , Water, Plant, Manures Testing (No. of samples to be tested) | | | | | | | | | | | | | | Soil-300 nos Manures-10 nos |
| Soil , Water, Plant, Manures Testing (No. of farmers benefitted) | | | | | | | | | | | | | | Soil-300 Manures-10 |
| Soil , Water, Plant, Manures Testing (No. of villages covered) | | | | | | | | | | | | | | 7 Villages |
| Mobile Agro-Advisory (No. of Messages) | | | | | | | | | | | | | | 107 |
| Mobile Agro-Advisory (No. of Farmers) | | | | | | | | | | | | | | 3360 |
| Mobile Agro advisory Services (Voice) | | | | | | | | | | | | | | 410 |

Signature

Senior Scientist and Head