



**GRAMIN KRISHI MAUSAM SEWA**  
**ICAR RESEARCH COMPLEX FOR NEH REGION**  
 Mizoram Centre, Kolasib- 796081, MIZORAM  
*(Prepared based on District wise Weather Forecast received from IMD, Guwahati)*



**District:** Lunglei

**Period:** 03 June – 07 June, 2017

**Bulletin No:** - 706/2017/ Bulletin/English

**Date of issue:** 02<sup>nd</sup> June, 2017

| Parameters               | 03.06.2017    | 04.06.2017    | 05.06.2017    | 06.06.2017    | 07.06.2017    |
|--------------------------|---------------|---------------|---------------|---------------|---------------|
| <b>Rainfall (mm)</b>     | 90            | 42            | 13            | 14            | 11            |
| <b>Max Temp (°C)</b>     | 25            | 28            | 27            | 30            | 28            |
| <b>Min Temp (°C)</b>     | 19            | 19            | 19            | 19            | 20            |
| <b>Cloud Coverage</b>    | Mainly cloudy | Mainly cloudy | Mainly cloudy | Mainly cloudy | Mainly cloudy |
| <b>Max RH (%)</b>        | 98            | 98            | 98            | 98            | 97            |
| <b>Min RH (%)</b>        | 83            | 85            | 89            | 59            | 85            |
| <b>Wind Speed (Kmph)</b> | 5             | 4             | 4             | 6             | 6             |
| <b>*Wind Direction</b>   | S-E           | S-E           | S-E           | S-E           | S-E           |

**Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.**

**STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)**

|                                        |                                         |                                      |                                        |
|----------------------------------------|-----------------------------------------|--------------------------------------|----------------------------------------|
| <b>Aizawl- 384.87mm</b><br>(430.2mm)   | <b>Champhai- 105.48mm</b><br>(359.89mm) | <b>Saiha- 307.40 mm</b><br>(507.7mm) | <b>Kolasib- 236.00mm</b><br>(428.1mm)  |
| <b>Lawngtlai-291.20mm</b><br>(453.1mm) | <b>Lunglei-326.00mm</b><br>(465.14mm)   | <b>Mamit-204.87mm</b><br>(442.80mm)  | <b>Serchhip-411.72mm</b><br>(259.62mm) |

**Weather summary of the past three days**

**Maximum Tem. (°C):25-27°C**  
**Minimum Tem. (°C):16-18°C**  
**Maximum RH (%):96-99%**  
**Minimum RH (%):85-94%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Mainly cloudy**  
**Wind speed: 4-5 km/hr**

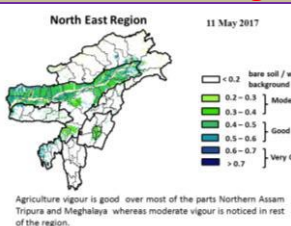
**Rainfall: 79.3 mm**

**Weather forecast valid from 03<sup>rd</sup> June, 2017 To 07<sup>th</sup> June, 2017.**

There are chances of moderate to heavy rainfall during the next 4 days. The maximum and minimum temperatures for the next 5 days may range for 28-30°C and 21-22°C. Maximum relative humidity is expected in the range of 96-99% and minimum may from 57-64%. Wind direction would be southeasterly with the wind speed of 2-6 km per hour. Mainly cloudy sky will prevail during the next five days.

**Weekly cumulative rainfall: 22.0 mm**

**NDVI for Mizoram**



Moderately wet mildly dry/mildly wet conditions

|                   |              |                 |                                             |
|-------------------|--------------|-----------------|---------------------------------------------|
| <b>Main Crop/</b> | <b>Stage</b> | <b>Cultural</b> | <b>Agricultural / Horticultural/ animal</b> |
|-------------------|--------------|-----------------|---------------------------------------------|



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| Animal / Fisheries                  |                                     | practices/ Pest/ Diseases                                                                | husbandry advisories                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRUITS CROPS</b>                 |                                     |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>KHASI MANDARIN AND ACID LIME</b> | <b>Seedling transplanting stage</b> |                                                                                          | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintain in the field.</li> </ul>                                                                                                                                                                         |
| <b>BANANA</b>                       |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Medium to young seedling should be support by bamboo stake.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>STAR FRUIT</b>                   |                                     |                                                                                          | <ul style="list-style-type: none"> <li>In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants.</li> </ul>                                                                                                                                                                                                                      |
| <b>PLUM AND PEACH</b>               |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                     |
|                                     | <b>Vegetative stage</b>             | <b>Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor</b> | <ul style="list-style-type: none"> <li><b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lt of water.</li> <li><b>Leaf minor-</b> Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.</li> <li><b>Citrus Canker-</b> Apply bacterimycin @0.6 g/lt of water.</li> </ul>                                                                                           |
| <b>Passion Fruit</b>                |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> </ul> |
|                                     |                                     | <b>Aphid</b>                                                                             | <ul style="list-style-type: none"> <li>Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>                                                                                                                                                                                                                        |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                        |                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pineapple</b>       | <b>Flowering stage</b>  |  | <ul style="list-style-type: none"> <li>Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves.</li> <li>The flowering emergence will come out after 55-60 days after chemical spraying.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Remove all unwanted leaves, branches and weed near to the plant.</li> </ul>                                                                                                                  |
| <b>PLANTATION CROP</b> |                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>COFFEE</b>          | <b>Vegetative stage</b> |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul> |
| <b>Rubber</b>          | <b>Nursery stage</b>    |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintain in the field.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|----------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                            | KOLASIB   | <ul style="list-style-type: none"> <li>Medium to young seedling should be support by bamboo stake.</li> <li>In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants.</li> <li>Make fire line to protect the young tree and seedlings.</li> <li>10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> </ul>                                                                                               |
| <b>CEREALS AND PULSE CROPS</b> |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pre Kharif Rice</b>         | <b>Transplanting stage</b> | AIZAWL    | <ul style="list-style-type: none"> <li>Water level shall be maintained for better transplant.</li> <li>Plough the field two to three times.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Transplant 2-3 seedlings in one place for avoid gap filling.</li> <li>Spacing should be 20 cm row to row and 15 cm plant to plant.</li> <li>Keep some seedlings in nursery or corner of the field for gap filling.</li> </ul> |
| <b>Jhum Rice</b>               | <b>Germination stage</b>   | LUNGLEI   | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>Maize (Jhum)</b>            | <b>Vegetative stage</b>    | LAWNGTLAI | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>VEGETABLE CROP</b>          |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                            |                         |                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|-------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cowpea</b>              | <b>Vegetative stage</b> | KOLASIB                            | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> </ul>                                                                                           |
| <b>Okra</b>                | <b>Vegetative stage</b> | MAMIT<br>AIZAWL                    | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> </ul>                                                                                           |
|                            |                         | <b>Okra leafroller</b><br>SERCHHIP | <ul style="list-style-type: none"> <li>Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>                                                                                                                                                                                                                                                                                                           |
| <b>Ginger and turmeric</b> | <b>Sowing stage</b>     | LUNGLEI                            | <ul style="list-style-type: none"> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul> |
| <b>Colocasia</b>           | <b>Sowing stage</b>     | LAWNGTLAI<br>SAIHA                 | <ul style="list-style-type: none"> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and MOP @ 220: 375: 134 kg.</li> </ul>                                                                                                                                                 |

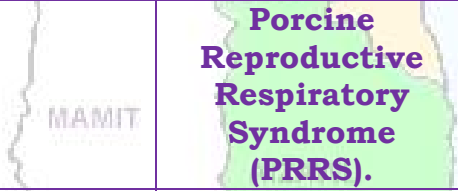
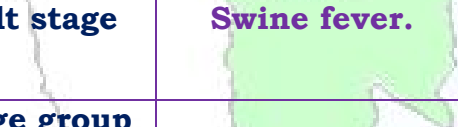
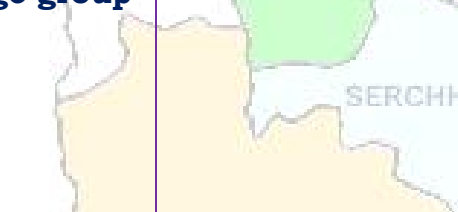
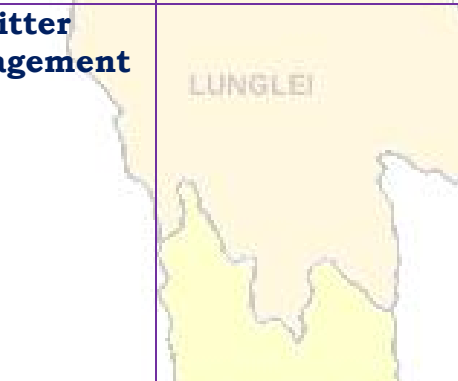
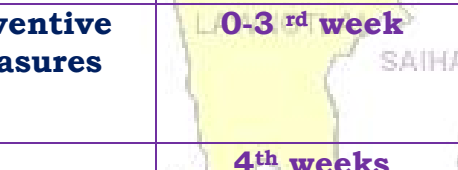


# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| ANIMAL HUSBANDRY |                            |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------|----------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pig</b>       | <b>All stages</b>          |    | <ul style="list-style-type: none"> <li>As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm.</li> <li>Regularly monitor their level of 'fitness' and increase their feed intake to maintain.</li> <li>Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.</li> </ul>                                |
|                  |                            |    | <p><b>Porcine Reproductive Respiratory Syndrome (PRRS).</b></p> <ol style="list-style-type: none"> <li>Culling of positive pigs or piglets.</li> </ol>                                                                                                                                                                                                                                                                   |
|                  | <b>Adult stage</b>         |   | <p><b>Swine fever.</b></p> <ol style="list-style-type: none"> <li>Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval</li> </ol>                                                                                                                                                                                                                                                       |
| <b>Cattle</b>    | <b>All age group</b>       |  | <ul style="list-style-type: none"> <li>During either hot or heavy rainy condition, animal are advised to keep under shade.</li> <li>Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter, Foot Mouth Disease, Duck Plague.</li> </ul>                                                                                                                            |
| <b>Poultry</b>   | <b>Litter management</b>   |  | <ul style="list-style-type: none"> <li>Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water.</li> <li>Good management and sanitation are the best ways to avoid infectious disease in poultry.</li> <li>Provide ample quantity of clean drinking water.</li> <li>Avoid feeding of mouldy feed. Don't make sudden changes in feed</li> </ul> |
|                  | <b>Preventive measures</b> |  | <p><b>0-3<sup>rd</sup> week</b></p> <ul style="list-style-type: none"> <li><b>Ranikhet Disease-</b> F1 vaccine at (1-6) days of birth and R<sub>2</sub>B vaccine for adult birds.</li> <li>B complex with antibodies</li> </ul> <p><b>4<sup>th</sup> weeks</b></p> <ul style="list-style-type: none"> <li><b>Coccidiosis-</b> Amprolium or</li> </ul>                                                                    |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                |                         |                                        |                                                                                                                                                                                                       |
|----------------|-------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                         |                                        | coccidiostat                                                                                                                                                                                          |
|                |                         | 4-5 <sup>th</sup> Weeks                | ✚ Calcium tonic fortified with B <sub>12</sub>                                                                                                                                                        |
| <b>FISHERY</b> |                         |                                        |                                                                                                                                                                                                       |
|                | <b>Pond preparation</b> | 3 <sup>rd</sup> -4 <sup>th</sup> weeks | ✚ Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.                                                                                      |
|                |                         | KOLASIB                                | ✚ Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/year. One third of the total dose should be applied initially and the rest may be applied in a spilt doses.                   |
|                |                         | MAMIT                                  | ✚ Single super phosphate should also be applied at the rate of 250 kg/ha in the pond.                                                                                                                 |
|                |                         | AIZAWL                                 | ✚ After one week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development. |
|                |                         | SERCHHIP                               | ✚ Transparency of the water needs to be maintained at 30-40 cm.                                                                                                                                       |
|                |                         | LUNGLEI                                |                                                                                                                                                                                                       |
|                |                         | LAWNGTLAI                              |                                                                                                                                                                                                       |
|                |                         | SAIHA                                  |                                                                                                                                                                                                       |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,  
Guwahati)



## Expert committee members:

|                                |   |                              |                                                                                          |
|--------------------------------|---|------------------------------|------------------------------------------------------------------------------------------|
| <b>Dr. S.B. Singh</b>          | : | Joint Director               | <a href="mailto:basantasinghsoibam@rediffmail.com">basantasinghsoibam@rediffmail.com</a> |
| <b>Dr. Saurav Saha</b>         | : | Scientist (Agril. Physics)   | <a href="mailto:sauravs.saha@gmail.com">sauravs.saha@gmail.com</a>                       |
| <b>Dr. T. Boopathi</b>         | : | Scientist (Agril Entomology) | <a href="mailto:boopathiars@gmail.com">boopathiars@gmail.com</a>                         |
| <b>Dr. A. Ratankumar Singh</b> | : | Scientist (Plant Pathology)  | <a href="mailto:ratantplantpatho@gmail.com">ratantplantpatho@gmail.com</a>               |
| <b>Dr. Lungmuana</b>           | : | Scientist (Soil Fertility)   | <a href="mailto:lmsingson@gmail.com">lmsingson@gmail.com</a>                             |
| <b>Mr. P.L. Lalrinsanga</b>    | : | Scientist (Aquaculture)      | <a href="mailto:viensky2@gmail.com">viensky2@gmail.com</a>                               |
| <b>Dr. Dr. V. Dayal</b>        | : | Scientist (Horticulture)     | <a href="mailto:Vishambhai5009@gmail.com">Vishambhai5009@gmail.com</a>                   |
| <b>Dr. Samuel Lalliansanga</b> | : | Head & Sr. Scientist         | <a href="mailto:samuelpachua10@gmail.com">samuelpachua10@gmail.com</a>                   |
| <b>Mr. Samik Chowdhury</b>     | : | Technical Officer            | <a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>               |
| <b>Mr. Diktea chenkuai</b>     | : | Project Assistant            | <a href="mailto:dikteachenkuaiboy@gmail.com">dikteachenkuaiboy@gmail.com</a>             |

## Collaborating Department:

| Name of the KVK       | Programme Coordinator Name and Designation              | KVK Email Id                                                                                                                             | Phone no/ Mobile no      |
|-----------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>KVK Lunglei</b>    | <b>Dr. Lalmuanzovi</b><br>Head & Sr. Scientist          | <a href="mailto:kvkhnahthial@gmail.com">kvkhnahthial@gmail.com</a>                                                                       | 9862803750<br>9436154614 |
| <b>KVK, Kolasib</b>   | <b>Mr. Lalrosamga Khiangte</b><br>Head & Sr. Scientist  | <a href="mailto:kvkkolasib@gmail.com">kvkkolasib@gmail.com</a>                                                                           | 9436152440               |
| <b>KVK, Serchhip</b>  | <b>Mr. K. Laltlanmawia</b><br>Head & Sr. Scientist      | <a href="mailto:kvkserchhip@gmail.com">kvkserchhip@gmail.com</a>                                                                         | 9436146115<br>9615389293 |
| <b>KVK, Champhai</b>  | <b>Mrs. Lalrinawmi Renthlei</b><br>Head & Sr. Scientist | <a href="mailto:kvkchawzawl@gmail.com">kvkchawzawl@gmail.com</a>                                                                         | 9436159788               |
| <b>KVK, Lawngtlai</b> | <b>Dr. Michel Lallawmkimi</b><br>Head & Sr. Scientist   | <a href="mailto:kvklawntlai@gmail.com">kvklawntlai@gmail.com</a>                                                                         | 9436155858               |
| <b>KVK, Saiha</b>     | <b>Dr. Vanlalhraia Hnampe</b><br>Head & Sr. Scientist   | <a href="mailto:kvksaiha@gmail.com">kvksaiha@gmail.com</a>                                                                               | 8974656509               |
| <b>KVK, Mamit</b>     | <b>Dr. Samuel Lalliansanga</b><br>Head & Sr. Scientist  | <a href="mailto:kvkmamit@gmail.com">kvkmamit@gmail.com</a>                                                                               | 9436147625               |
| <b>KVK, Aizawl</b>    | <b>Dr. K. P. Chaudhary</b><br>Head & Sr. Scientist      | <a href="mailto:Kpchy@rediffmail.com">Kpchy@rediffmail.com</a><br><a href="mailto:kvkaizawl@rediffmail.com">kvkaizawl@rediffmail.com</a> | 9436351669               |



**GRAMIN KRISHI MAUSAM SEWA**  
**ICAR RESEARCH COMPLEX FOR NEH REGION**  
 Mizoram Centre, Kolasib- 796081, MIZORAM  
*(Prepared based on District wise Weather Forecast received from IMD, Guwahati)*



**District:** Lunglei

**Period:** 03 June – 07 June, 2017

**Bulletin No:** - 706/2017/ Bulletin/Mizo

**Date of issue:** 02<sup>nd</sup> June, 2017

| Parameters               | 03.06.2017    | 04.06.2017   | 05.06.2017      | 06.06.2017   | 07.06.2017    |
|--------------------------|---------------|--------------|-----------------|--------------|---------------|
| <b>Rainfall (mm)</b>     | 7             | 0            | 3               | 8            | 6             |
| <b>Max Temp (°C)</b>     | 28            | 28           | 29              | 30           | 30            |
| <b>Min Temp (°C)</b>     | 21            | 21           | 21              | 22           | 22            |
| <b>Cloud Coverage</b>    | Mainly cloudy | Mainly clear | Partially clear | Mainly clear | Mainly cloudy |
| <b>Max RH (%)</b>        | 97            | 96           | 97              | 99           | 99            |
| <b>Min RH (%)</b>        | 64            | 58           | 62              | 60           | 57            |
| <b>Wind Speed (Kmph)</b> | 4             | 6            | 4               | 3            | 2             |
| <b>*Wind Direction</b>   | S-E           | S-E          | E               | E            | E             |

**Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E,  
 Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.**

**STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)**

|                                        |                                         |                                      |                                        |
|----------------------------------------|-----------------------------------------|--------------------------------------|----------------------------------------|
| <b>Aizawl- 384.87mm</b><br>(430.2mm)   | <b>Champhai- 105.48mm</b><br>(359.89mm) | <b>Saiha- 307.40 mm</b><br>(507.7mm) | <b>Kolasib- 236.00mm</b><br>(428.1mm)  |
| <b>Lawngtlai-291.20mm</b><br>(453.1mm) | <b>Lunglei-326.00mm</b><br>(465.14mm)   | <b>Mamit-204.87mm</b><br>(442.80mm)  | <b>Serchhip-411.72mm</b><br>(259.62mm) |

**Weather summary of the past three days**

**03<sup>rd</sup> June– 07<sup>th</sup> June, 2017 chhunga sik leh sa  
 dinhmun tur tlangpui**

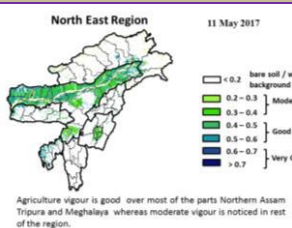
**Maximum Tem. (°C):25-27°C**  
**Minimum Tem. (°C):16-18°C**  
**Maximum RH (%):96-99%**  
**Minimum RH (%):85-94%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Mainly cloudy**  
**Wind speed: 4-5 km/hr**

Tun ni 4 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-30°C a ni ang a. A vawh lai ber in 21-22°C ni tura beisei a ni. RH san lai berin 96-99% leh a hniam lai berin 57-64% ni tur a rin niin. Thli hi darkar khatah 2-6 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

**Rainfall: 79.3 mm**

**Weekly cumulative rainfall: 22.0mm**

**NDVI for Mizoram**



Moderately wet mildly dry/mildly wet conditions



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| Main Crop / Animal / Fisheries      | Stage                          | Cultural practices/ Pest/ Diseases                          | Agricultural / Horticultural/ animal husbandry advisories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------|--------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRUITS CROPS</b>                 |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>KHASI MANDARIN AND ACID LIME</b> | <b>A kui atanga a seng hun</b> |                                                             | <ul style="list-style-type: none"> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Leia tha mamawh tawh a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.</li> </ul>                                                    |
| <b>BANANA</b>                       |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>STAR FRUIT</b>                   |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>PLUM AND PEACH</b>               |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                     |                                | <b>Gummosis, citrus canker, citrus greening and Dieback</b> | <ul style="list-style-type: none"> <li>Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                     |
|                                     |                                | <b>Fruit fly</b>                                            | <ul style="list-style-type: none"> <li>Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>PLANTATION CROP</b>              |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>COFFEE</b>                       | <b>All stages</b>              |                                                             | <b>Nursery stage</b> <ul style="list-style-type: none"> <li>Thlai chi thlak hma in <i>Azospirillum</i> leh <i>Phosphobacterium</i> a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hlih tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul> |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                |                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------|-------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                   |                                  | <b>Harvesting Stage</b> <ul style="list-style-type: none"> <li>Coffe rah hmin hi thlasik lain an seng thin a ni.</li> <li>A rah hmin tha lo ho chu nuai sawm hmain an thliar hrang leh vek thin ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                |                   | <p><b>Coffee Berry borer</b></p> | <ul style="list-style-type: none"> <li>A hun takah leh fimkhur taka seng tur ani.</li> <li>Hmaih neih nuaih loh tur ani.</li> <li>Sneg hmaih te lakkhawma paih vek tur ani.</li> <li>Seng bang zawng zawng chu uluka taka paih fai vek tur ani.</li> <li>A thlai vennan a rah tlai ho chu paih vek tur ani.</li> <li>Hmun dam lutukah dah loh tur.</li> <li>Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.</li> <li>Chuan hei hian kah tur ani. Quinalphos 25 EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit.</li> <li>In leh loa sawngbawln a a ro dan tur tawkah chuan: Arabica / robusta parchment 10 %, Arabica cherry 10.5 % leh robusta cherry 11.0 %.</li> </ul> |
|                                |                   | <p><b>Coffee Rust</b></p>        | <ul style="list-style-type: none"> <li>Natna hrik in a khawih tawh a hnah leh a dang te paihpaih vek tur ani.</li> <li>Bordeaux mixture 0.5% in February - March (Pre-bloom) a kah phawt a, Oxycarboxin 0.03% in May - June (Pre-monsoon) ah kah chhunzawm tur ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>CEREALS AND PULSE CROPS</b> |                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Rabi Maize</b>              | <b>A chin hun</b> |                                  | <ul style="list-style-type: none"> <li>Vaimim chinna tur atan lei kan let phut darh anga.</li> <li>Hei hian a rawn to chhuah na tur atan a pui dawn a ni.</li> <li>A chi chu kan lei leh saah chuan kan dah ang.</li> <li>A chi chu Thiram @4 g/kg seed hian ak sawngbawl hmasa anga.</li> <li>20-25 kg/ha vel a chi thlak hi a tawk vel viau ani.</li> <li>A chi tuh hma in lei leh FYM @5-10 t/ha leh 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> leh</li> </ul>                                                                                                                                                                                                                                                                                    |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                                                                         |                                 |                     |                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------|---------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                         |                                 |                     | K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.                                                                                                                                                                                |
| <b>Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow</b> | <b>All stage</b>                | <b>Zero tillage</b> | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>                                                                                                                            |
| <b>Potato</b>                                                                           | <b>Sowing stage</b>             |                     | <ul style="list-style-type: none"> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul> |
| <b>VEGETABLE CROP</b>                                                                   |                                 |                     |                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Tomato</b>                                                                           | <b>Bacterial Blight disease</b> |                     | <ul style="list-style-type: none"> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>                                                      |
| <b>Early Cole crop</b>                                                                  | <b>Black spot disease</b>       |                     | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>                                                                                                   |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                           |                      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|----------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                      |                            | <p>awm thin a , hei hi natna tlanglawn ber ani.</p> <ul style="list-style-type: none"> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>                                                                                                                                                                                                           |
| <b>Onion and capsicum</b> | <b>Nursery stage</b> | <b>Poly house</b>          | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>                                                                            |
|                           |                      | <b>Phytophthora blight</b> | <ul style="list-style-type: none"> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>                                                                                                                     |
| <b>French bean</b>        | <b>Sowing stage</b>  |                            | <ul style="list-style-type: none"> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>                                                                                                                                                                  |
| <b>Carrot and radish</b>  | <b>Sowing stage</b>  |                            | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul> |

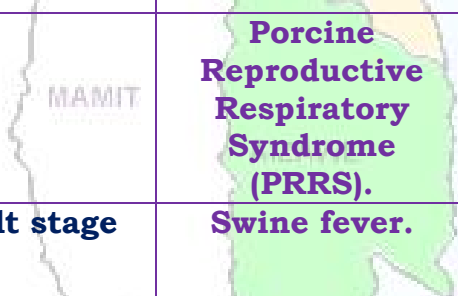
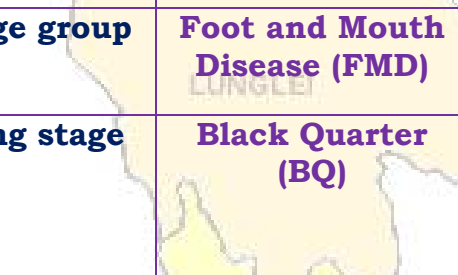
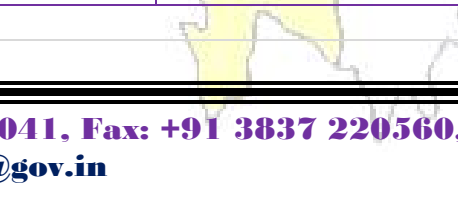


# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| ANIMAL HUSBANDRY |                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pig</b>       | <b>All stages</b>        |    | <ul style="list-style-type: none"> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani..</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul> |
|                  |                          |   | <p><b>Porcine Reproductive Respiratory Syndrome (PRRS).</b></p> <p>1. Vawknote emaw vawk lak hran.</p>                                                                                                                                                                                                                                                                              |
|                  | <b>Adult stage</b>       |  | <p><b>Swine fever.</b></p> <p>2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhonzawm tur ani.</p>                                                                                                                                                                                                                                        |
| <b>Cattle</b>    | <b>All age group</b>     |  | <ul style="list-style-type: none"> <li>Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.</li> </ul>                                                                                                                                     |
|                  | <b>All age group</b>     |  | <ul style="list-style-type: none"> <li>Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhonzawm tur ani.</li> </ul>                                                                                                                                                                                                                                                   |
|                  | <b>Young stage</b>       |  | <ul style="list-style-type: none"> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>                                                                                                                                                                        |
| <b>Poultry</b>   | <b>Litter management</b> |  | <ul style="list-style-type: none"> <li>Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.</li> <li>An hriselna atan enkawltha tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.</li> </ul>                                                                                                  |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                |                                        |                                            |                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>                                                                                                                                                   |
|                | <b>Preventive measures</b>             | <b>0-3<sup>rd</sup> week</b>               | <ul style="list-style-type: none"> <li><b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>                                                                                                                                                  |
|                |                                        | <b>4<sup>th</sup> weeks</b>                | <ul style="list-style-type: none"> <li><b>Coccidiosis-</b> Amprolium or coccidiostat</li> </ul>                                                                                                                                                                                                                                                                               |
|                |                                        | <b>4-5<sup>th</sup> Weeks</b>              | <ul style="list-style-type: none"> <li>Calcium tonic fortified with B<sub>12</sub></li> </ul>                                                                                                                                                                                                                                                                                 |
| <b>FISHERY</b> |                                        |                                            |                                                                                                                                                                                                                                                                                                                                                                               |
|                | <b>Pond preparation (Dil buatsaih)</b> | <b>3<sup>rd</sup>-4<sup>th</sup> weeks</b> | <ul style="list-style-type: none"> <li>Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.</li> </ul>                                                                                                                                                                                                                                          |
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Bawngkek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngkek kumkhat a kan mamawh zat hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani.</li> <li>Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.</li> </ul> |
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani.</li> <li>Tui nut zawng tehma transparency pawh 30-40 cm vel ani tur ani.</li> </ul>                                      |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,  
Guwahati)



## Expert committee members:

|                                |   |                              |                                                                                          |
|--------------------------------|---|------------------------------|------------------------------------------------------------------------------------------|
| <b>Dr. S.B. Singh</b>          | : | Joint Director               | <a href="mailto:basantasinghsoibam@rediffmail.com">basantasinghsoibam@rediffmail.com</a> |
| <b>Dr. Saurav Saha</b>         | : | Scientist (Agril. Physics)   | <a href="mailto:sauravs.saha@gmail.com">sauravs.saha@gmail.com</a>                       |
| <b>Dr. T. Boopathi</b>         | : | Scientist (Agril Entomology) | <a href="mailto:boopathiars@gmail.com">boopathiars@gmail.com</a>                         |
| <b>Dr. A. Ratankumar Singh</b> | : | Scientist (Plant Pathology)  | <a href="mailto:ratantplantpatho@gmail.com">ratantplantpatho@gmail.com</a>               |
| <b>Dr. Lungmuana</b>           | : | Scientist (Soil Fertility)   | <a href="mailto:lmsingson@gmail.com">lmsingson@gmail.com</a>                             |
| <b>Mr. P.L. Lalrinsanga</b>    | : | Scientist (Aquaculture)      | <a href="mailto:viensky2@gmail.com">viensky2@gmail.com</a>                               |
| <b>Dr. Dr. V. Dayal</b>        | : | Scientist (Horticulture)     | <a href="mailto:Vishambhai5009@gmail.com">Vishambhai5009@gmail.com</a>                   |
| <b>Dr. Samuel Lalliansanga</b> | : | Head & Sr. Scientist         | <a href="mailto:samuelpachua10@gmail.com">samuelpachua10@gmail.com</a>                   |
| <b>Mr. Samik Chowdhury</b>     | : | Technical Officer            | <a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>               |
| <b>Mr. Diktea chenkuai</b>     | : | Project Assistant            | <a href="mailto:dikteachenkuaiboy@gmail.com">dikteachenkuaiboy@gmail.com</a>             |

## Collaborating Department:

| Name of the KVK       | Programme Coordinator Name and Designation              | KVK Email Id                                                                                                                             | Phone no/<br>Mobile no   |
|-----------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>KVK Lunglei</b>    | <b>Dr. Lalmuanzovi</b><br>Head & Sr. Scientist          | <a href="mailto:kvknhathial@gmail.com">kvknhathial@gmail.com</a>                                                                         | 9862803750<br>9436154614 |
| <b>KVK, Kolasib</b>   | <b>Mr. Lalrosamga Khiangte</b><br>Head & Sr. Scientist  | <a href="mailto:kvkkolasib@gmail.com">kvkkolasib@gmail.com</a>                                                                           | 9436152440               |
| <b>KVK, Serchhip</b>  | <b>Mr. K. Laltlanmawia</b><br>Head & Sr. Scientist      | <a href="mailto:kvkserchhip@gmail.com">kvkserchhip@gmail.com</a>                                                                         | 9436146115<br>9615389293 |
| <b>KVK, Champhai</b>  | <b>Mrs. Lalrinawmi Renthlei</b><br>Head & Sr. Scientist | <a href="mailto:kvkchawzawl@gmail.com">kvkchawzawl@gmail.com</a>                                                                         | 9436159788               |
| <b>KVK, Lawngtlai</b> | <b>Dr. Michel Lallawmkimi</b><br>Head & Sr. Scientist   | <a href="mailto:kvklawntlai@gmail.com">kvklawntlai@gmail.com</a>                                                                         | 9436155858               |
| <b>KVK, Saiha</b>     | <b>Dr. Vanlalhraia Hnampe</b><br>Head & Sr. Scientist   | <a href="mailto:kvksaiha@gmail.com">kvksaiha@gmail.com</a>                                                                               | 8974656509               |
| <b>KVK, Mamit</b>     | <b>Dr. Samuel Lalliansanga</b><br>Head & Sr. Scientist  | <a href="mailto:kvkmamit@gmail.com">kvkmamit@gmail.com</a>                                                                               | 9436147625               |
| <b>KVK, Aizawl</b>    | <b>Dr. K. P. Chaudhary</b><br>Head & Sr. Scientist      | <a href="mailto:Kpchy@rediffmail.com">Kpchy@rediffmail.com</a><br><a href="mailto:kvkaizawl@rediffmail.com">kvkaizawl@rediffmail.com</a> | 9436351669               |



**GRAMIN KRISHI MAUSAM SEWA**  
**ICAR RESEARCH COMPLEX FOR NEH REGION**  
 Mizoram Centre, Kolasib- 796081, MIZORAM  
*(Prepared based on District wise Weather Forecast received from IMD, Guwahati)*



**District:** Mamit

**Period:** 03 June – 07 June, 2017

**Bulletin No:** - 706/2017/ Bulletin/English

**Date of issue:** 02<sup>nd</sup> June, 2017

| Parameters               | 03.06.2017      | 04.06.2017      | 05.06.2017   | 06.06.2017      | 07.06.2017      |
|--------------------------|-----------------|-----------------|--------------|-----------------|-----------------|
| <b>Rainfall (mm)</b>     | 28              | 7               | 11           | 9               | 13              |
| <b>Max Temp (°C)</b>     | 29              | 30              | 29           | 29              | 30              |
| <b>Min Temp (°C)</b>     | 21              | 20              | 20           | 21              | 21              |
| <b>Cloud Coverage</b>    | Partially clear | Partially clear | Mainly clear | Partially clear | Partially clear |
| <b>Max RH (%)</b>        | 98              | 96              | 98           | 95              | 99              |
| <b>Min RH (%)</b>        | 71              | 71              | 71           | 69              | 62              |
| <b>Wind Speed (Kmph)</b> | 6               | 6               | 6            | 4               | 2               |
| <b>*Wind Direction</b>   | S-E             | S-E             | S-E          | S-E             | E               |

**Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E,  
 Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.**

**STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)**

|                                        |                                         |                                      |                                        |
|----------------------------------------|-----------------------------------------|--------------------------------------|----------------------------------------|
| <b>Aizawl- 384.87mm</b><br>(430.2mm)   | <b>Champhai- 105.48mm</b><br>(359.89mm) | <b>Saiha- 307.40 mm</b><br>(507.7mm) | <b>Kolasib- 236.00mm</b><br>(428.1mm)  |
| <b>Lawngtlai-291.20mm</b><br>(453.1mm) | <b>Lunglei-326.00mm</b><br>(465.14mm)   | <b>Mamit-204.87mm</b><br>(442.80mm)  | <b>Serchhip-411.72mm</b><br>(259.62mm) |

**Weather summary of the past three days**

**Maximum Tem. (°C):26-28°C**  
**Minimum Tem. (°C):18-20°C**  
**Maximum RH (%):98-100%**  
**Minimum RH (%):93-95%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Mainly cloudy**  
**Wind speed: 2-4 km/hr**

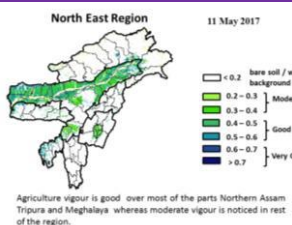
**Rainfall: 154.8 mm**

**Weather forecast valid from 03<sup>rd</sup> June, 2017 To 07<sup>th</sup> June, 2017.**

There are chances of moderate to heavy and light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 29-30°C and 20-21°C. Maximum relative humidity is expected in the range of 95-99% and minimum may from 62-71%. Wind direction would be southeasterly to easterly with the wind speed of 2-6 km per hour. Partially clear sky will prevail during the next five days.

**Weekly cumulative rainfall: 68.0 mm**

**NDVI for Mizoram**



Moderately wet mildly dry/mildly wet conditions



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| Main Crop / Animal / Fisheries      | Stage                               | Cultural practices/ Pest/ Diseases                                                       | Agricultural / Horticultural/ animal husbandry advisories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRUITS CROPS</b>                 |                                     |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>KHASI MANDARIN AND ACID LIME</b> | <b>Seedling transplanting stage</b> |                                                                                          | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintain in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants.</li> <li>Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul> |
| <b>BANANA</b>                       |                                     |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>STAR FRUIT</b>                   |                                     |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>PLUM AND PEACH</b>               |                                     |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                     | <b>Vegetative stage</b>             | <b>Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor</b> | <ul style="list-style-type: none"> <li><b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lit of water.</li> <li><b>Leaf minor-</b> Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.</li> <li><b>Citrus Canker-</b> Apply bacterimycin @0.6 g/lit of water.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Passion Fruit</b>                |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> </ul>                                                                                                                                                                                                                                                                                                       |
|                                     |                                     | <b>Aphid</b>                                                                             | <ul style="list-style-type: none"> <li>Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                        |                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pineapple</b>       | <b>Flowering stage</b>  |  | <p>g or dimethoate 2 ml/lit of water.</p> <ul style="list-style-type: none"> <li>Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves.</li> <li>The flowering emergence will come out after 55-60 days after chemical spraying.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Remove all unwanted leaves, branches and weed near to the plant.</li> </ul>                                                                        |
| <b>PLANTATION CROP</b> |                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>COFFEE</b>          | <b>Vegetative stage</b> |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul> |
| <b>Rubber</b>          | <b>Nursery stage</b>    |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintain in</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                |                            |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|----------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                            |    | <p>the field.</p> <ul style="list-style-type: none"> <li>Medium to young seedling should be support by bamboo stake.</li> <li>In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants.</li> <li>Make fire line to protect the young tree and seedlings.</li> <li>10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> </ul>                                                                             |
| <b>CEREALS AND PULSE CROPS</b> |                            |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pre Kharif Rice</b>         | <b>Transplanting stage</b> |   | <ul style="list-style-type: none"> <li>Water level shall be maintained for better transplant.</li> <li>Plough the field two to three times.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Transplant 2-3 seedlings in one place for avoid gap filling.</li> <li>Spacing should be 20 cm row to row and 15 cm plant to plant.</li> <li>Keep some seedlings in nursery or corner of the field for gap filling.</li> </ul> |
| <b>Jhum Rice</b>               | <b>Germination stage</b>   |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>Maize (Jhum)</b>            | <b>Vegetative stage</b>    |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                                                                                                                                                                                                                             |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| VEGETABLE CROP             |                         |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|-------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cowpea</b>              | <b>Vegetative stage</b> | KOLASIB                | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> </ul>                                                                                           |
| <b>Okra</b>                | <b>Vegetative stage</b> | MAMIT<br>AIZAWL        | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> </ul>                                                                                           |
|                            |                         | <b>Okra leafroller</b> | <ul style="list-style-type: none"> <li>Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>                                                                                                                                                                                                                                                                                                           |
| <b>Ginger and turmeric</b> | <b>Sowing stage</b>     | LUNGLEI                | <ul style="list-style-type: none"> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul> |
| <b>Colocasia</b>           | <b>Sowing stage</b>     | LAWNGTLAI<br>SAIHA     | <ul style="list-style-type: none"> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and</li> </ul>                                                                                                                                                                         |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                          |                            |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------|----------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          |                            |                                                                              | MOP @ 220: 375: 134 kg.                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ANIMAL HUSBENDARY</b> |                            |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Pig</b>               | <b>All stages</b>          | KOLASIB                                                                      | <ul style="list-style-type: none"> <li>As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm.</li> <li>Regularly monitor their level of 'fitness' and increase their feed intake to maintain.</li> <li>Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.</li> </ul>                                |
|                          |                            | MAMIT<br>CHAMPAI<br><b>Porcine Reproductive Respiratory Syndrome (PRRS).</b> | 1. Culling of positive pigs or piglets.                                                                                                                                                                                                                                                                                                                                                                                  |
|                          | <b>Adult stage</b>         | <b>Swine fever.</b>                                                          | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval                                                                                                                                                                                                                                                                                                                                 |
| <b>Cattle</b>            | <b>All age group</b>       | SERCHHIP                                                                     | <ul style="list-style-type: none"> <li>During either hot or heavy rainy condition, animal are advised to keep under shade.</li> <li>Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter, Foot Mouth Disease, Duck Plague.</li> </ul>                                                                                                                            |
| <b>Poultry</b>           | <b>Litter management</b>   | LUNGLEI                                                                      | <ul style="list-style-type: none"> <li>Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water.</li> <li>Good management and sanitation are the best ways to avoid infectious disease in poultry.</li> <li>Provide ample quantity of clean drinking water.</li> <li>Avoid feeding of mouldy feed. Don't make sudden changes in feed</li> </ul> |
|                          | <b>Preventive measures</b> | LAWNGTLAI<br>0-3 <sup>rd</sup> week                                          | <ul style="list-style-type: none"> <li><b>Ranikhet Disease-</b> F1 vaccine at (1-6) days of birth and R<sub>2</sub>B vaccine for adult birds.</li> <li>B complex with antibodies</li> </ul>                                                                                                                                                                                                                              |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                |                         |                                                   |                                                                                                                                                                                                       |
|----------------|-------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                         | 4 <sup>th</sup> weeks                             | ✚ Coccidiosis- Amprolium or coccidiostat                                                                                                                                                              |
|                |                         | 4-5 <sup>th</sup> Weeks                           | ✚ Calcium tonic fortified with B <sub>12</sub>                                                                                                                                                        |
| <b>FISHERY</b> |                         |                                                   |                                                                                                                                                                                                       |
|                | <b>Pond preparation</b> | 3 <sup>rd</sup> -4 <sup>th</sup> weeks<br>KOLASIB | ✚ Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.                                                                                      |
|                |                         | MAMIT                                             | ✚ Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/year. One third of the total dose should be applied initially and the rest may be applied in a spilt doses.                   |
|                |                         | AIZAWL                                            | ✚ Single super phosphate should also be applied at the rate of 250 kg/ha in the pond.                                                                                                                 |
|                |                         | SERCHHIP                                          | ✚ After one week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development. |
|                |                         | LUNGLEI                                           | ✚ Transparency of the water needs to be maintained at 30-40 cm.                                                                                                                                       |
|                |                         | LAWNGTLAI                                         |                                                                                                                                                                                                       |
|                |                         | SAIHA                                             |                                                                                                                                                                                                       |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,  
Guwahati)



## Expert committee members:

|                                |   |                              |                                                                                          |
|--------------------------------|---|------------------------------|------------------------------------------------------------------------------------------|
| <b>Dr. S.B. Singh</b>          | : | Joint Director               | <a href="mailto:basantasinghsoibam@rediffmail.com">basantasinghsoibam@rediffmail.com</a> |
| <b>Dr. Saurav Saha</b>         | : | Scientist (Agril. Physics)   | <a href="mailto:sauravs.saha@gmail.com">sauravs.saha@gmail.com</a>                       |
| <b>Dr. T. Boopathi</b>         | : | Scientist (Agril Entomology) | <a href="mailto:boopathiars@gmail.com">boopathiars@gmail.com</a>                         |
| <b>Dr. A. Ratankumar Singh</b> | : | Scientist (Plant Pathology)  | <a href="mailto:ratantplantpatho@gmail.com">ratantplantpatho@gmail.com</a>               |
| <b>Dr. Lungmuana</b>           | : | Scientist (Soil Fertility)   | <a href="mailto:lmsingson@gmail.com">lmsingson@gmail.com</a>                             |
| <b>Mr. P.L. Lalrinsanga</b>    | : | Scientist (Aquaculture)      | <a href="mailto:viensky2@gmail.com">viensky2@gmail.com</a>                               |
| <b>Dr. Dr. V. Dayal</b>        | : | Scientist (Horticulture)     | <a href="mailto:Vishambhai5009@gmail.com">Vishambhai5009@gmail.com</a>                   |
| <b>Dr. Samuel Lalliansanga</b> | : | Head & Sr. Scientist         | <a href="mailto:samuelpachua10@gmail.com">samuelpachua10@gmail.com</a>                   |
| <b>Mr. Samik Chowdhury</b>     | : | Technical Officer            | <a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>               |
| <b>Mr. Diktea chenkual</b>     | : | Project Assistant            | <a href="mailto:dikteachenkualboy@gmail.com">dikteachenkualboy@gmail.com</a>             |

## Collaborating Department:

| Name of the KVK       | Programme Coordinator Name and Designation              | KVK Email Id                                                                                                                             | Phone no/<br>Mobile no   |
|-----------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>KVK Lunglei</b>    | <b>Dr. Lalmuanzovi</b><br>Head & Sr. Scientist          | <a href="mailto:kvknhathial@gmail.com">kvknhathial@gmail.com</a>                                                                         | 9862803750<br>9436154614 |
| <b>KVK, Kolasib</b>   | <b>Mr. Lalrosamga Khiangte</b><br>Head & Sr. Scientist  | <a href="mailto:kvkkolasib@gmail.com">kvkkolasib@gmail.com</a>                                                                           | 9436152440               |
| <b>KVK, Serchhip</b>  | <b>Mr. K. Laltlanmawia</b><br>Head & Sr. Scientist      | <a href="mailto:kvkserchhip@gmail.com">kvkserchhip@gmail.com</a>                                                                         | 9436146115<br>9615389293 |
| <b>KVK, Champhai</b>  | <b>Mrs. Lalrinawmi Renthlei</b><br>Head & Sr. Scientist | <a href="mailto:kvkchawzawl@gmail.com">kvkchawzawl@gmail.com</a>                                                                         | 9436159788               |
| <b>KVK, Lawngtlai</b> | <b>Dr. Michel Lallawmkimi</b><br>Head & Sr. Scientist   | <a href="mailto:kvklawntlai@gmail.com">kvklawntlai@gmail.com</a>                                                                         | 9436155858               |
| <b>KVK, Saiha</b>     | <b>Dr. Vanlalhruaia Hnampe</b><br>Head & Sr. Scientist  | <a href="mailto:kvksaiha@gmail.com">kvksaiha@gmail.com</a>                                                                               | 8974656509               |
| <b>KVK, Mamit</b>     | <b>Dr. Samuel Lalliansanga</b><br>Head & Sr. Scientist  | <a href="mailto:kvkmamit@gmail.com">kvkmamit@gmail.com</a>                                                                               | 9436147625               |
| <b>KVK, Aizawl</b>    | <b>Dr. K. P. Chaudhary</b><br>Head & Sr. Scientist      | <a href="mailto:Kpchy@rediffmail.com">Kpchy@rediffmail.com</a><br><a href="mailto:kvkaizawl@rediffmail.com">kvkaizawl@rediffmail.com</a> | 9436351669               |



**GRAMIN KRISHI MAUSAM SEWA**  
**ICAR RESEARCH COMPLEX FOR NEH REGION**  
 Mizoram Centre, Kolasib- 796081, MIZORAM  
*(Prepared based on District wise Weather Forecast received from IMD, Guwahati)*



**District:** Mamit

**Period:** 03 June – 07 June, 2017

**Bulletin No:** - 706/2017/ Bulletin/Mizo

**Date of issue:** 02<sup>nd</sup> June, 2017

| Parameters               | 03.06.2017      | 04.06.2017      | 05.06.2017   | 06.06.2017      | 07.06.2017      |
|--------------------------|-----------------|-----------------|--------------|-----------------|-----------------|
| <b>Rainfall (mm)</b>     | 28              | 7               | 11           | 9               | 13              |
| <b>Max Temp (°C)</b>     | 29              | 30              | 29           | 29              | 30              |
| <b>Min Temp (°C)</b>     | 21              | 20              | 20           | 21              | 21              |
| <b>Cloud Coverage</b>    | Partially clear | Partially clear | Mainly clear | Partially clear | Partially clear |
| <b>Max RH (%)</b>        | 98              | 96              | 98           | 95              | 99              |
| <b>Min RH (%)</b>        | 71              | 71              | 71           | 69              | 62              |
| <b>Wind Speed (Kmph)</b> | 6               | 6               | 6            | 4               | 2               |
| <b>*Wind Direction</b>   | S-E             | S-E             | S-E          | S-E             | E               |

**Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E,  
 Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.**

**STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)**

|                                        |                                         |                                      |                                        |
|----------------------------------------|-----------------------------------------|--------------------------------------|----------------------------------------|
| <b>Aizawl- 384.87mm</b><br>(430.2mm)   | <b>Champhai- 105.48mm</b><br>(359.89mm) | <b>Saiha- 307.40 mm</b><br>(507.7mm) | <b>Kolasib- 236.00mm</b><br>(428.1mm)  |
| <b>Lawngtlai-291.20mm</b><br>(453.1mm) | <b>Lunglei-326.00mm</b><br>(465.14mm)   | <b>Mamit-204.87mm</b><br>(442.80mm)  | <b>Serchhip-411.72mm</b><br>(259.62mm) |

**Weather summary of the past three days**

**03<sup>rd</sup> June– 07<sup>th</sup> June, 2017 chhunga sik leh sa  
 dinhmun tur tlangpui**

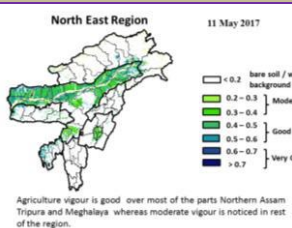
**Maximum Tem. (°C):26-28°C**  
**Minimum Tem. (°C):18-20°C**  
**Maximum RH (%):98-100%**  
**Minimum RH (%):93-95%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Mainly cloudy**  
**Wind speed: 2-4 km/hr**

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-30°C a ni ang a. A vawh lai ber in 20-21°C ni tura beisei a ni. RH san lai berin 95-99% leh a hniam lai berin 62-71% ni tur a rin niin. Thli hi darkar khatah 2-6 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

**Rainfall: 154.8 mm**

**Weekly cumulative rainfall: 68.0mm**

**NDVI for Mizoram**



Moderately wet mildly dry/mildly wet conditions



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| Main Crop / Animal / Fisheries      | Stage                          | Cultural practices/ Pest/ Diseases                          | Agricultural / Horticultural/ animal husbandry advisories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------|--------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRUITS CROPS</b>                 |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>KHASI MANDARIN AND ACID LIME</b> | <b>A kui atanga a seng hun</b> |                                                             | <ul style="list-style-type: none"> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Leia tha mamawh tawh a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.</li> </ul>                                                    |
| <b>BANANA</b>                       |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>STAR FRUIT</b>                   |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>PLUM AND PEACH</b>               |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                     |                                | <b>Gummosis, citrus canker, citrus greening and Dieback</b> | <ul style="list-style-type: none"> <li>Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                     |
|                                     |                                | <b>Fruit fly</b>                                            | <ul style="list-style-type: none"> <li>Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>PLANTATION CROP</b>              |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>COFFEE</b>                       | <b>All stages</b>              |                                                             | <b>Nursery stage</b> <ul style="list-style-type: none"> <li>Thlai chi thlak hma in <i>Azospirillum</i> leh <i>Phosphobacterium</i> a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hlih tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul> |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                |                   |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------|-------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                   |                           | <b>Harvesting Stage</b> <ul style="list-style-type: none"> <li>Coffe rah hmin hi thlasik lain an seng thin a ni.</li> <li>A rah hmin tha lo ho chu nuai sawm hmain an thliar hrang leh vek thin ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                |                   | <b>Coffee Berry borer</b> | <ul style="list-style-type: none"> <li>A hun takah leh fimkhur taka seng tur ani.</li> <li>Hmaih neih nuaih loh tur ani.</li> <li>Sneg hmaih te lakkhawma paih vek tur ani.</li> <li>Seng bang zawng zawng chu uluka taka paih fai vek tur ani.</li> <li>A thlai vennan a rah tlai ho chu paih vek tur ani.</li> <li>Hmun dam lutukah dah loh tur.</li> <li>Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.</li> <li>Chuan hei hian kah tur ani. Quinalphos 25 EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit.</li> <li>In leh loa sawngbawl a a ro dan tur tawkah chuan: Arabica / robusta parchment 10 %, Arabica cherry 10.5 % leh robusta cherry 11.0 %.</li> </ul> |
|                                |                   | <b>Coffee Rust</b>        | <ul style="list-style-type: none"> <li>Natna hrik in a khawih tawh a hnah leh a dang te paihpaih vek tur ani.</li> <li>Bordeaux mixture 0.5% in February - March (Pre-bloom) a kah phawt a, Oxycarboxin 0.03% in May - June (Pre-monsoon) ah kah chhunzawm tur ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>CEREALS AND PULSE CROPS</b> |                   |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Rabi Maize</b>              | <b>A chin hun</b> |                           | <ul style="list-style-type: none"> <li>Vaimim chinna tur atan lei kan let phut darh anga.</li> <li>Hei hian a rawn to chhuah na tur atan a pui dawn a ni.</li> <li>A chi chu kan lei leh saah chuan kan dah ang.</li> <li>A chi chu Thiram @4 g/kg seed hian ak sawngbawl hmasa anga.</li> <li>20-25 kg/ha vel a chi thlak hi a tawk vel viau ani.</li> <li>A chi tuh hma in lei leh FYM @5-10 t/ha leh 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> leh</li> </ul>                                                                                                                                                                                                                                                                                   |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                                                                         |                                 |                     |                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------|---------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                         |                                 |                     | K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.                                                                                                                                                                                |
| <b>Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow</b> | <b>All stage</b>                | <b>Zero tillage</b> | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>                                                                                                                            |
| <b>Potato</b>                                                                           | <b>Sowing stage</b>             |                     | <ul style="list-style-type: none"> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul> |
| <b>VEGETABLE CROP</b>                                                                   |                                 |                     |                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Tomato</b>                                                                           | <b>Bacterial Blight disease</b> |                     | <ul style="list-style-type: none"> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>                                                      |
| <b>Early Cole crop</b>                                                                  | <b>Black spot disease</b>       |                     | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>                                                                                                   |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                           |                      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|----------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                      |                            | <p>awm thin a , hei hi natna tlanglawn ber ani.</p> <ul style="list-style-type: none"> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>                                                                                                                                                                                                           |
| <b>Onion and capsicum</b> | <b>Nursery stage</b> | <b>Poly house</b>          | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>                                                                            |
|                           |                      | <b>Phytophthora blight</b> | <ul style="list-style-type: none"> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>                                                                                                                     |
| <b>French bean</b>        | <b>Sowing stage</b>  |                            | <ul style="list-style-type: none"> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>                                                                                                                                                                  |
| <b>Carrot and radish</b>  | <b>Sowing stage</b>  |                            | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul> |

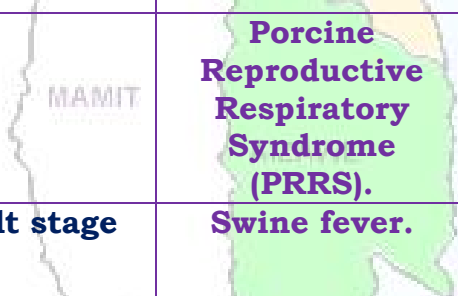
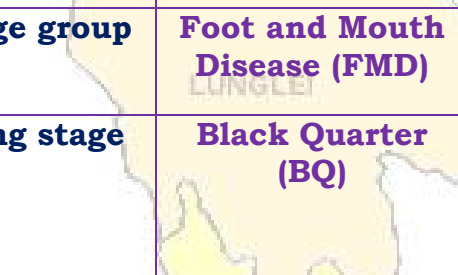
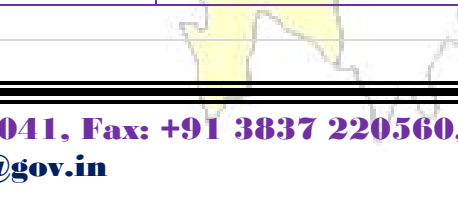


# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| ANIMAL HUSBANDRY |                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pig</b>       | <b>All stages</b>        |    | <ul style="list-style-type: none"> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani..</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul> |
|                  |                          |   | <p><b>Porcine Reproductive Respiratory Syndrome (PRRS).</b></p> <p>1. Vawknote emaw vawk lak hran.</p>                                                                                                                                                                                                                                                                              |
|                  | <b>Adult stage</b>       |  | <p><b>Swine fever.</b></p> <p>2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhonzawm tur ani.</p>                                                                                                                                                                                                                                        |
| <b>Cattle</b>    | <b>All age group</b>     |  | <ul style="list-style-type: none"> <li>Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.</li> </ul>                                                                                                                                     |
|                  | <b>All age group</b>     |  | <ul style="list-style-type: none"> <li>Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhonzawm tur ani.</li> </ul>                                                                                                                                                                                                                                                   |
|                  | <b>Young stage</b>       |  | <ul style="list-style-type: none"> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>                                                                                                                                                                        |
| <b>Poultry</b>   | <b>Litter management</b> |  | <ul style="list-style-type: none"> <li>Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.</li> <li>An hriselna atan enkawltha tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.</li> </ul>                                                                                                  |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                |                                        |                                            |                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>                                                                                                                                                   |
|                | <b>Preventive measures</b>             | <b>0-3<sup>rd</sup> week</b>               | <ul style="list-style-type: none"> <li><b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>                                                                                                                                                  |
|                |                                        | <b>4<sup>th</sup> weeks</b>                | <ul style="list-style-type: none"> <li><b>Coccidiosis-</b> Amprolium or coccidiostat</li> </ul>                                                                                                                                                                                                                                                                               |
|                |                                        | <b>4-5<sup>th</sup> Weeks</b>              | <ul style="list-style-type: none"> <li>Calcium tonic fortified with B<sub>12</sub></li> </ul>                                                                                                                                                                                                                                                                                 |
| <b>FISHERY</b> |                                        |                                            |                                                                                                                                                                                                                                                                                                                                                                               |
|                | <b>Pond preparation (Dil buatsaih)</b> | <b>3<sup>rd</sup>-4<sup>th</sup> weeks</b> | <ul style="list-style-type: none"> <li>Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.</li> </ul>                                                                                                                                                                                                                                          |
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Bawngkek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngkek kumkhat a kan mamawh zat hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani.</li> <li>Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.</li> </ul> |
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani.</li> <li>Tui nut zawng tehma transparency pawh 30-40 cm vel ani tur ani.</li> </ul>                                      |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,  
Guwahati)



## Expert committee members:

|                                |   |                              |                                                                                          |
|--------------------------------|---|------------------------------|------------------------------------------------------------------------------------------|
| <b>Dr. S.B. Singh</b>          | : | Joint Director               | <a href="mailto:basantasinghsoibam@rediffmail.com">basantasinghsoibam@rediffmail.com</a> |
| <b>Dr. Saurav Saha</b>         | : | Scientist (Agril. Physics)   | <a href="mailto:sauravs.saha@gmail.com">sauravs.saha@gmail.com</a>                       |
| <b>Dr. T. Boopathi</b>         | : | Scientist (Agril Entomology) | <a href="mailto:boopathiars@gmail.com">boopathiars@gmail.com</a>                         |
| <b>Dr. A. Ratankumar Singh</b> | : | Scientist (Plant Pathology)  | <a href="mailto:ratantplantpatho@gmail.com">ratantplantpatho@gmail.com</a>               |
| <b>Dr. Lungmuana</b>           | : | Scientist (Soil Fertility)   | <a href="mailto:lmsingson@gmail.com">lmsingson@gmail.com</a>                             |
| <b>Mr. P.L. Lalrinsanga</b>    | : | Scientist (Aquaculture)      | <a href="mailto:viensky2@gmail.com">viensky2@gmail.com</a>                               |
| <b>Dr. Dr. V. Dayal</b>        | : | Scientist (Horticulture)     | <a href="mailto:Vishambhai5009@gmail.com">Vishambhai5009@gmail.com</a>                   |
| <b>Dr. Samuel Lalliansanga</b> | : | Head & Sr. Scientist         | <a href="mailto:samuelpachua10@gmail.com">samuelpachua10@gmail.com</a>                   |
| <b>Mr. Samik Chowdhury</b>     | : | Technical Officer            | <a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>               |
| <b>Mr. Diktea chenkuai</b>     | : | Project Assistant            | <a href="mailto:dikteachenkuaiboy@gmail.com">dikteachenkuaiboy@gmail.com</a>             |

## Collaborating Department:

| Name of the KVK       | Programme Coordinator Name and Designation              | KVK Email Id                                                                                                                             | Phone no/<br>Mobile no   |
|-----------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>KVK Lunglei</b>    | <b>Dr. Lalmuanzovi</b><br>Head & Sr. Scientist          | <a href="mailto:kvknhathial@gmail.com">kvknhathial@gmail.com</a>                                                                         | 9862803750<br>9436154614 |
| <b>KVK, Kolasib</b>   | <b>Mr. Lalrosamga Khiangte</b><br>Head & Sr. Scientist  | <a href="mailto:kvkkolasib@gmail.com">kvkkolasib@gmail.com</a>                                                                           | 9436152440               |
| <b>KVK, Serchhip</b>  | <b>Mr. K. Laltlanmawia</b><br>Head & Sr. Scientist      | <a href="mailto:kvkserchhip@gmail.com">kvkserchhip@gmail.com</a>                                                                         | 9436146115<br>9615389293 |
| <b>KVK, Champhai</b>  | <b>Mrs. Lalrinawmi Renthlei</b><br>Head & Sr. Scientist | <a href="mailto:kvkchawzawl@gmail.com">kvkchawzawl@gmail.com</a>                                                                         | 9436159788               |
| <b>KVK, Lawngtlai</b> | <b>Dr. Michel Lallawmkimi</b><br>Head & Sr. Scientist   | <a href="mailto:kvklawntlai@gmail.com">kvklawntlai@gmail.com</a>                                                                         | 9436155858               |
| <b>KVK, Saiha</b>     | <b>Dr. Vanlalhraia Hnampe</b><br>Head & Sr. Scientist   | <a href="mailto:kvksaiha@gmail.com">kvksaiha@gmail.com</a>                                                                               | 8974656509               |
| <b>KVK, Mamit</b>     | <b>Dr. Samuel Lalliansanga</b><br>Head & Sr. Scientist  | <a href="mailto:kvkmamit@gmail.com">kvkmamit@gmail.com</a>                                                                               | 9436147625               |
| <b>KVK, Aizawl</b>    | <b>Dr. K. P. Chaudhary</b><br>Head & Sr. Scientist      | <a href="mailto:Kpchy@rediffmail.com">Kpchy@rediffmail.com</a><br><a href="mailto:kvkaizawl@rediffmail.com">kvkaizawl@rediffmail.com</a> | 9436351669               |



**GRAMIN KRISHI MAUSAM SEWA**  
**ICAR RESEARCH COMPLEX FOR NEH REGION**  
 Mizoram Centre, Kolasib- 796081, MIZORAM  
*(Prepared based on District wise Weather Forecast received from IMD, Guwahati)*



**District:** Saiha

**Period:** 03 June – 07 June, 2017

**Bulletin No:** - 706/2017/ Bulletin/English

**Date of issue:** 02<sup>nd</sup> June, 2017

| Parameters               | 03.06.2017      | 04.06.2017      | 05.06.2017   | 06.06.2017   | 07.06.2017      |
|--------------------------|-----------------|-----------------|--------------|--------------|-----------------|
| <b>Rainfall (mm)</b>     | 0               | 0               | 0            | 8            | 5               |
| <b>Max Temp (°C)</b>     | 28              | 28              | 29           | 29           | 29              |
| <b>Min Temp (°C)</b>     | 22              | 21              | 22           | 22           | 22              |
| <b>Cloud Coverage</b>    | Partially clear | Partially clear | Mainly clear | Mainly clear | Partially clear |
| <b>Max RH (%)</b>        | 95              | 96              | 93           | 96           | 99              |
| <b>Min RH (%)</b>        | 57              | 54              | 63           | 55           | 54              |
| <b>Wind Speed (Kmph)</b> | 4               | 4               | 4            | 2            | 2               |
| <b>*Wind Direction</b>   | E               | E               | E            | E            | E               |

**Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E,  
 Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.**

**STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)**

|                                        |                                         |                                      |                                        |
|----------------------------------------|-----------------------------------------|--------------------------------------|----------------------------------------|
| <b>Aizawl- 384.87mm</b><br>(430.2mm)   | <b>Champhai- 105.48mm</b><br>(359.89mm) | <b>Saiha- 307.40 mm</b><br>(507.7mm) | <b>Kolasib- 236.00mm</b><br>(428.1mm)  |
| <b>Lawngtlai-291.20mm</b><br>(453.1mm) | <b>Lunglei-326.00mm</b><br>(465.14mm)   | <b>Mamit-204.87mm</b><br>(442.80mm)  | <b>Serchhip-411.72mm</b><br>(259.62mm) |

**Weather summary of the past three days**

**Maximum Tem. (°C):25-26°C**  
**Minimum Tem. (°C):17-19°C**  
**Maximum RH (%):97-99%**  
**Minimum RH (%):86-92%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Mainly cloudy**  
**Wind speed: 4-6 km/hr**

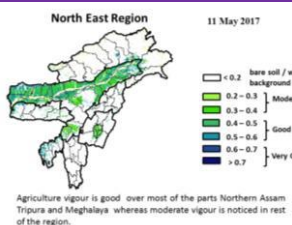
**Rainfall: 94.3 mm**

**Weather forecast valid from 03<sup>rd</sup> June, 2017 To 07<sup>th</sup> June, 2017.**

There are chances of light rainfall during the next 2 days. The maximum and minimum temperatures for the next 5 days may range for 28-29°C and 21-22°C. Maximum relative humidity is expected in the range of 93-99% and minimum may from 54-63%. Wind direction would be easterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

**Weekly cumulative rainfall: 13.0 mm**

**NDVI for Mizoram**



Moderately wet mildly dry/mildly wet conditions

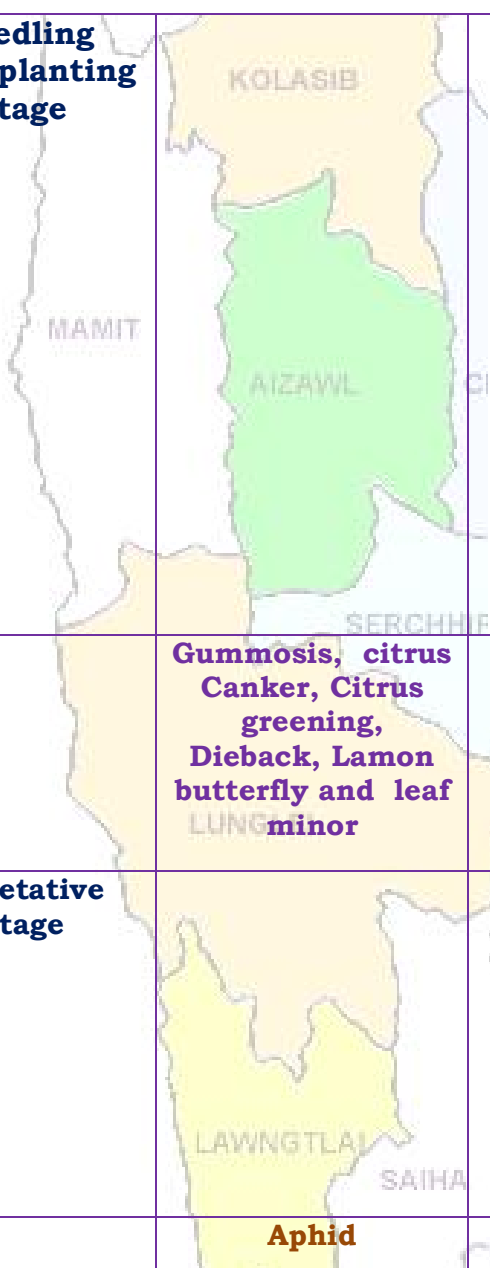
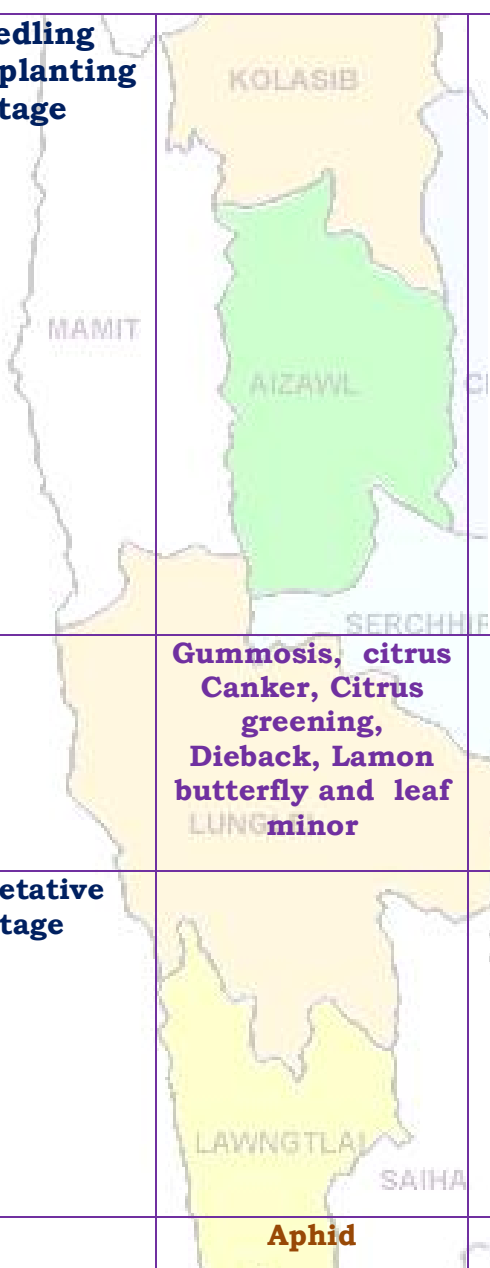


# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| Main Crop / Animal / Fisheries      | Stage                               | Cultural practices/ Pest/ Diseases                                                       | Agricultural / Horticultural/ animal husbandry advisories                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRUITS CROPS</b>                 |                                     |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>KHASI MANDARIN AND ACID LIME</b> | <b>Seedling transplanting stage</b> |        | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintain in the field.</li> </ul>                                                                                                                                                                         |
| <b>BANANA</b>                       |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Medium to young seedling should be support by bamboo stake.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>STAR FRUIT</b>                   |                                     |                                                                                          | <ul style="list-style-type: none"> <li>In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants.</li> </ul>                                                                                                                                                                                                                      |
| <b>PLUM AND PEACH</b>               |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                     |
|                                     |                                     | <b>Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor</b> | <ul style="list-style-type: none"> <li><b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lit of water.</li> <li><b>Leaf minor-</b> Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.</li> <li><b>Citrus Canker-</b> Apply bacterimycin @0.6 g/lit of water.</li> </ul>                                                                                         |
| <b>Passion Fruit</b>                | <b>Vegetative stage</b>             |        | <ul style="list-style-type: none"> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> </ul> |
|                                     |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0</li> </ul>                                                                                                                                                                                                                                                          |
|                                     |                                     | <b>Aphid</b>                                                                             |                                                                                                                                                                                                                                                                                                                                                                                           |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                        |                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pineapple</b>       | <b>Flowering stage</b>  |  | <p>g or dimethoate 2 ml/lit of water.</p> <ul style="list-style-type: none"> <li>Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves.</li> <li>The flowering emergence will come out after 55-60 days after chemical spraying.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Remove all unwanted leaves, branches and weed near to the plant.</li> </ul>                                                                        |
| <b>PLANTATION CROP</b> |                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>COFFEE</b>          | <b>Vegetative stage</b> |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul> |
| <b>Rubber</b>          | <b>Nursery stage</b>    |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintain in</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                |                            |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|----------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                            |    | <p>the field.</p> <ul style="list-style-type: none"> <li>Medium to young seedling should be support by bamboo stake.</li> <li>In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants.</li> <li>Make fire line to protect the young tree and seedlings.</li> <li>10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> </ul>                                                                             |
| <b>CEREALS AND PULSE CROPS</b> |                            |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pre Kharif Rice</b>         | <b>Transplanting stage</b> |   | <ul style="list-style-type: none"> <li>Water level shall be maintained for better transplant.</li> <li>Plough the field two to three times.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Transplant 2-3 seedlings in one place for avoid gap filling.</li> <li>Spacing should be 20 cm row to row and 15 cm plant to plant.</li> <li>Keep some seedlings in nursery or corner of the field for gap filling.</li> </ul> |
| <b>Jhum Rice</b>               | <b>Germination stage</b>   |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>Maize (Jhum)</b>            | <b>Vegetative stage</b>    |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                                                                                                                                                                                                                             |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



## VEGETABLE CROP

|                            |                         |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|-------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cowpea</b>              | <b>Vegetative stage</b> | KOLASIB                | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> </ul>                                                                                           |
| <b>Okra</b>                | <b>Vegetative stage</b> | MAMIT<br>AIZAWL        | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> </ul>                                                                                           |
|                            |                         | <b>Okra leafroller</b> | <ul style="list-style-type: none"> <li>Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>                                                                                                                                                                                                                                                                                                           |
| <b>Ginger and turmeric</b> | <b>Sowing stage</b>     | LUNGLEI                | <ul style="list-style-type: none"> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul> |
| <b>Colocasia</b>           | <b>Sowing stage</b>     | LAWNGTLAI<br>SAIHA     | <ul style="list-style-type: none"> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and</li> </ul>                                                                                                                                                                         |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                         |                            |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         |                            |                                                                              | MOP @ 220: 375: 134 kg.                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ANIMAL HUSBANDRY</b> |                            |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Pig</b>              | <b>All stages</b>          | KOLASIB                                                                      | <ul style="list-style-type: none"> <li>As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm.</li> <li>Regularly monitor their level of 'fitness' and increase their feed intake to maintain.</li> <li>Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.</li> </ul>                                |
|                         |                            | MAMIT<br>CHAMPAI<br><b>Porcine Reproductive Respiratory Syndrome (PRRS).</b> | 1. Culling of positive pigs or piglets.                                                                                                                                                                                                                                                                                                                                                                                  |
|                         | <b>Adult stage</b>         | <b>Swine fever.</b>                                                          | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval                                                                                                                                                                                                                                                                                                                                 |
| <b>Cattle</b>           | <b>All age group</b>       | SERCHHIP                                                                     | <ul style="list-style-type: none"> <li>During either hot or heavy rainy condition, animal are advised to keep under shade.</li> <li>Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter, Foot Mouth Disease, Duck Plague.</li> </ul>                                                                                                                            |
| <b>Poultry</b>          | <b>Litter management</b>   | LUNGLEI                                                                      | <ul style="list-style-type: none"> <li>Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water.</li> <li>Good management and sanitation are the best ways to avoid infectious disease in poultry.</li> <li>Provide ample quantity of clean drinking water.</li> <li>Avoid feeding of mouldy feed. Don't make sudden changes in feed</li> </ul> |
|                         | <b>Preventive measures</b> | LAWNGTLAI<br>0-3 <sup>rd</sup> week                                          | <ul style="list-style-type: none"> <li><b>Ranikhet Disease-</b> F1 vaccine at (1-6) days of birth and R<sub>2</sub>B vaccine for adult birds.</li> <li>B complex with antibodies</li> </ul>                                                                                                                                                                                                                              |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                |                         |                                                   |                                                                                                                                                                                                                                                                                       |
|----------------|-------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                         | 4 <sup>th</sup> weeks                             |  <b>Coccidiosis-</b> Amprolium or coccidiostat                                                                                                                                                       |
|                |                         | 4-5 <sup>th</sup> Weeks                           |  Calcium tonic fortified with B <sub>12</sub>                                                                                                                                                        |
| <b>FISHERY</b> |                         |                                                   |                                                                                                                                                                                                                                                                                       |
|                | <b>Pond preparation</b> | 3 <sup>rd</sup> -4 <sup>th</sup> weeks<br>KOLASIB |  Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.                                                                                      |
|                |                         | MAMIT                                             |  Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/year. One third of the total dose should be applied initially and the rest may be applied in a spilt doses.                   |
|                |                         | AIZAWL                                            |  Single super phosphate should also be applied at the rate of 250 kg/ha in the pond.                                                                                                                 |
|                |                         | SERCHHIP                                          |  After one week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development. |
|                |                         | LUNGLEI                                           |  Transparency of the water needs to be maintained at 30-40 cm.                                                                                                                                     |
|                |                         | LAWNGTLAI                                         |                                                                                                                                                                                                                                                                                       |
|                |                         | SAIHA                                             |                                                                                                                                                                                                                                                                                       |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,  
Guwahati)



## Expert committee members:

|                                |   |                              |                                                                                          |
|--------------------------------|---|------------------------------|------------------------------------------------------------------------------------------|
| <b>Dr. S.B. Singh</b>          | : | Joint Director               | <a href="mailto:basantasinghsoibam@rediffmail.com">basantasinghsoibam@rediffmail.com</a> |
| <b>Dr. Saurav Saha</b>         | : | Scientist (Agril. Physics)   | <a href="mailto:sauravs.saha@gmail.com">sauravs.saha@gmail.com</a>                       |
| <b>Dr. T. Boopathi</b>         | : | Scientist (Agril Entomology) | <a href="mailto:boopathiars@gmail.com">boopathiars@gmail.com</a>                         |
| <b>Dr. A. Ratankumar Singh</b> | : | Scientist (Plant Pathology)  | <a href="mailto:ratantplantpatho@gmail.com">ratantplantpatho@gmail.com</a>               |
| <b>Dr. Lungmuana</b>           | : | Scientist (Soil Fertility)   | <a href="mailto:lmsingson@gmail.com">lmsingson@gmail.com</a>                             |
| <b>Mr. P.L. Lalrinsanga</b>    | : | Scientist (Aquaculture)      | <a href="mailto:viensky2@gmail.com">viensky2@gmail.com</a>                               |
| <b>Dr. Dr. V. Dayal</b>        | : | Scientist (Horticulture)     | <a href="mailto:Vishambhai5009@gmail.com">Vishambhai5009@gmail.com</a>                   |
| <b>Dr. Samuel Lalliansanga</b> | : | Head & Sr. Scientist         | <a href="mailto:samuelpachua10@gmail.com">samuelpachua10@gmail.com</a>                   |
| <b>Mr. Samik Chowdhury</b>     | : | Technical Officer            | <a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>               |
| <b>Mr. Diktea chenkuai</b>     | : | Project Assistant            | <a href="mailto:dikteachenkuai10@gmail.com">dikteachenkuai10@gmail.com</a>               |

## Collaborating Department:

| Name of the KVK       | Programme Coordinator Name and Designation              | KVK Email Id                                                                                                                             | Phone no/<br>Mobile no   |
|-----------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>KVK Lunglei</b>    | <b>Dr. Lalmuanzovi</b><br>Head & Sr. Scientist          | <a href="mailto:kvknhathial@gmail.com">kvknhathial@gmail.com</a>                                                                         | 9862803750<br>9436154614 |
| <b>KVK, Kolasib</b>   | <b>Mr. Lalrosamga Khiangte</b><br>Head & Sr. Scientist  | <a href="mailto:kvkkolasib@gmail.com">kvkkolasib@gmail.com</a>                                                                           | 9436152440               |
| <b>KVK, Serchhip</b>  | <b>Mr. K. Laltlanmawia</b><br>Head & Sr. Scientist      | <a href="mailto:kvkserchhip@gmail.com">kvkserchhip@gmail.com</a>                                                                         | 9436146115<br>9615389293 |
| <b>KVK, Champhai</b>  | <b>Mrs. Lalrinawmi Renthlei</b><br>Head & Sr. Scientist | <a href="mailto:kvkchawzawl@gmail.com">kvkchawzawl@gmail.com</a>                                                                         | 9436159788               |
| <b>KVK, Lawngtlai</b> | <b>Dr. Michel Lallawmkimi</b><br>Head & Sr. Scientist   | <a href="mailto:kvklawntlai@gmail.com">kvklawntlai@gmail.com</a>                                                                         | 9436155858               |
| <b>KVK, Saiha</b>     | <b>Dr. Vanlalhraia Hnampe</b><br>Head & Sr. Scientist   | <a href="mailto:kvksaiha@gmail.com">kvksaiha@gmail.com</a>                                                                               | 8974656509               |
| <b>KVK, Mamit</b>     | <b>Dr. Samuel Lalliansanga</b><br>Head & Sr. Scientist  | <a href="mailto:kvkmamit@gmail.com">kvkmamit@gmail.com</a>                                                                               | 9436147625               |
| <b>KVK, Aizawl</b>    | <b>Dr. K. P. Chaudhary</b><br>Head & Sr. Scientist      | <a href="mailto:Kpchy@rediffmail.com">Kpchy@rediffmail.com</a><br><a href="mailto:kvkaizawl@rediffmail.com">kvkaizawl@rediffmail.com</a> | 9436351669               |



**GRAMIN KRISHI MAUSAM SEWA**  
**ICAR RESEARCH COMPLEX FOR NEH REGION**  
 Mizoram Centre, Kolasib- 796081, MIZORAM  
*(Prepared based on District wise Weather Forecast received from IMD, Guwahati)*



**District:** Saiha

**Period:** 03 June – 07 June, 2017

**Bulletin No:** - 706/2017/ Bulletin/Mizo

**Date of issue:** 02<sup>nd</sup> June, 2017

| Parameters               | 03.06.2017      | 04.06.2017      | 05.06.2017   | 06.06.2017   | 07.06.2017      |
|--------------------------|-----------------|-----------------|--------------|--------------|-----------------|
| <b>Rainfall (mm)</b>     | 0               | 0               | 0            | 8            | 5               |
| <b>Max Temp (°C)</b>     | 28              | 28              | 29           | 29           | 29              |
| <b>Min Temp (°C)</b>     | 22              | 21              | 22           | 22           | 22              |
| <b>Cloud Coverage</b>    | Partially clear | Partially clear | Mainly clear | Mainly clear | Partially clear |
| <b>Max RH (%)</b>        | 95              | 96              | 93           | 96           | 99              |
| <b>Min RH (%)</b>        | 57              | 54              | 63           | 55           | 54              |
| <b>Wind Speed (Kmph)</b> | 4               | 4               | 4            | 2            | 2               |
| <b>*Wind Direction</b>   | E               | E               | E            | E            | E               |

**Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E,  
 Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.**

**STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)**

|                                        |                                         |                                      |                                        |
|----------------------------------------|-----------------------------------------|--------------------------------------|----------------------------------------|
| <b>Aizawl- 384.87mm</b><br>(430.2mm)   | <b>Champhai- 105.48mm</b><br>(359.89mm) | <b>Saiha- 307.40 mm</b><br>(507.7mm) | <b>Kolasib- 236.00mm</b><br>(428.1mm)  |
| <b>Lawngtlai-291.20mm</b><br>(453.1mm) | <b>Lunglei-326.00mm</b><br>(465.14mm)   | <b>Mamit-204.87mm</b><br>(442.80mm)  | <b>Serchhip-411.72mm</b><br>(259.62mm) |

**Weather summary of the past three days**

**03<sup>rd</sup> June– 07<sup>th</sup> June, 2017 chhunga sik leh sa  
 dinhmun tur tlangpui**

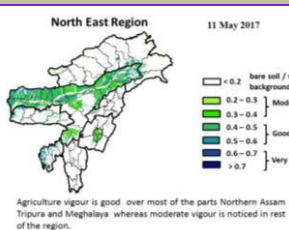
**Maximum Tem. (°C):25-26°C**  
**Minimum Tem. (°C):17-19°C**  
**Maximum RH (%):97-99%**  
**Minimum RH (%):86-92%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Mainly cloudy**  
**Wind speed: 4-6 km/hr**

Tun ni 2 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-29°C a ni ang a. A vawh lai ber in 21-22°C ni tura beisei a ni. RH san lai berin of 93-99% leh a hniam lai berin 54-63% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

**Rainfall: 94.3 mm**

**Weekly cumulative rainfall: 13.0mm**

**NDVI for Mizoram**



Moderately wet mildly dry/mildly wet conditions



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| Main Crop / Animal / Fisheries      | Stage                          | Cultural practices/ Pest/ Diseases                          | Agricultural / Horticultural/ animal husbandry advisories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------|--------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRUITS CROPS</b>                 |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>KHASI MANDARIN AND ACID LIME</b> | <b>A kui atanga a seng hun</b> |                                                             | <ul style="list-style-type: none"> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Leia tha mamawh tawh a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.</li> </ul>                                                    |
| <b>BANANA</b>                       |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>STAR FRUIT</b>                   |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>PLUM AND PEACH</b>               |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                     |                                | <b>Gummosis, citrus canker, citrus greening and Dieback</b> | <ul style="list-style-type: none"> <li>Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                     |
|                                     |                                | <b>Fruit fly</b>                                            | <ul style="list-style-type: none"> <li>Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>PLANTATION CROP</b>              |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>COFFEE</b>                       | <b>All stages</b>              |                                                             | <b>Nursery stage</b> <ul style="list-style-type: none"> <li>Thlai chi thlak hma in <i>Azospirillum</i> leh <i>Phosphobacterium</i> a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hlih tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul> |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                |                   |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------|-------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                   |                           | <b>Harvesting Stage</b> <ul style="list-style-type: none"> <li>Coffe rah hmin hi thlasik lain an seng thin a ni.</li> <li>A rah hmin tha lo ho chu nuai sawm hmain an thliar hrang leh vek thin ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                |                   | <b>Coffee Berry borer</b> | <ul style="list-style-type: none"> <li>A hun takah leh fimkhur taka seng tur ani.</li> <li>Hmaih neih nuaih loh tur ani.</li> <li>Sneg hmaih te lakkhawma paih vek tur ani.</li> <li>Seng bang zawng zawng chu uluka taka paih fai vek tur ani.</li> <li>A thlai vennis a rah tlai ho chu paih vek tur ani.</li> <li>Hmun dam lutukah dah loh tur.</li> <li>Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.</li> <li>Chuan hei hian kah tur ani. Quinalphos 25 EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit.</li> <li>In leh loa sawngbawl a a ro dan tur tawkah chuan: Arabica / robusta parchment 10 %, Arabica cherry 10.5 % leh robusta cherry 11.0 %.</li> </ul> |
|                                |                   | <b>Coffee Rust</b>        | <ul style="list-style-type: none"> <li>Natna hrik in a khawih tawh a hnah leh a dang te paihpaih vek tur ani.</li> <li>Bordeaux mixture 0.5% in February - March (Pre-bloom) a kah phawt a, Oxycarboxin 0.03% in May - June (Pre-monsoon) ah kah chhunzawm tur ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>CEREALS AND PULSE CROPS</b> |                   |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Rabi Maize</b>              | <b>A chin hun</b> |                           | <ul style="list-style-type: none"> <li>Vaimim chinna tur atan lei kan let phut darh anga.</li> <li>Hei hian a rawn to chhuah na tur atan a pui dawn a ni.</li> <li>A chi chu kan lei leh saah chuan kan dah ang.</li> <li>A chi chu Thiram @4 g/kg seed hian ak sawngbawl hmasa anga.</li> <li>20-25 kg/ha vel a chi thlak hi a tawk vel viau ani.</li> <li>A chi tuh hma in lei leh FYM @5-10 t/ha leh 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> leh</li> </ul>                                                                                                                                                                                                                                                                                   |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                                                                         |                                 |                     |                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------|---------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                         |                                 |                     | K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.                                                                                                                                                                               |
| <b>Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow</b> | <b>All stage</b>                | <b>Zero tillage</b> | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>                                                                                                                           |
| <b>Potato</b>                                                                           | <b>Sowing stage</b>             |                     | <ul style="list-style-type: none"> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun lain natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul> |
| <b>VEGETABLE CROP</b>                                                                   |                                 |                     |                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Tomato</b>                                                                           | <b>Bacterial Blight disease</b> |                     | <ul style="list-style-type: none"> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>                                                     |
| <b>Early Cole crop</b>                                                                  | <b>Black spot disease</b>       |                     | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>                                                                                                  |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                           |                      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|----------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                      |                            | <p>awm thin a , hei hi natna tlanglawn ber ani.</p> <ul style="list-style-type: none"> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>                                                                                                                                                                                                           |
| <b>Onion and capsicum</b> | <b>Nursery stage</b> | <b>Poly house</b>          | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>                                                                            |
|                           |                      | <b>Phytophthora blight</b> | <ul style="list-style-type: none"> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>                                                                                                                     |
| <b>French bean</b>        | <b>Sowing stage</b>  |                            | <ul style="list-style-type: none"> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>                                                                                                                                                                  |
| <b>Carrot and radish</b>  | <b>Sowing stage</b>  |                            | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul> |

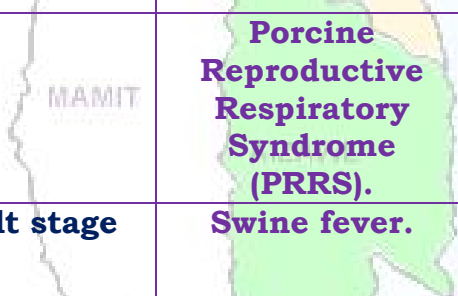
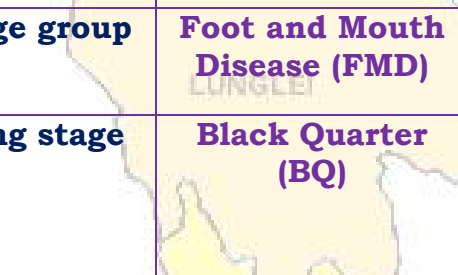
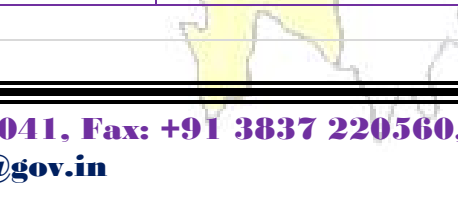


# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| ANIMAL HUSBANDRY |                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pig</b>       | <b>All stages</b>        |    | <ul style="list-style-type: none"> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani..</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul> |
|                  |                          |   | <p><b>Porcine Reproductive Respiratory Syndrome (PRRS).</b></p> <p>1. Vawknote emaw vawk lak hran.</p>                                                                                                                                                                                                                                                                              |
|                  | <b>Adult stage</b>       |  | <p><b>Swine fever.</b></p> <p>2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhonzawm tur ani.</p>                                                                                                                                                                                                                                        |
| <b>Cattle</b>    | <b>All age group</b>     |  | <ul style="list-style-type: none"> <li>Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.</li> </ul>                                                                                                                                     |
|                  | <b>All age group</b>     |  | <ul style="list-style-type: none"> <li>Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhonzawm tur ani.</li> </ul>                                                                                                                                                                                                                                                   |
|                  | <b>Young stage</b>       |  | <ul style="list-style-type: none"> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>                                                                                                                                                                        |
| <b>Poultry</b>   | <b>Litter management</b> |  | <ul style="list-style-type: none"> <li>Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.</li> <li>An hriselna atan enkawltha tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.</li> </ul>                                                                                                  |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                |                                        |                                            |                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>                                                                                                                                                   |
|                | <b>Preventive measures</b>             | <b>0-3<sup>rd</sup> week</b>               | <ul style="list-style-type: none"> <li><b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>                                                                                                                                                  |
|                |                                        | <b>4<sup>th</sup> weeks</b>                | <ul style="list-style-type: none"> <li><b>Coccidiosis-</b> Amprolium or coccidiostat</li> </ul>                                                                                                                                                                                                                                                                               |
|                |                                        | <b>4-5<sup>th</sup> Weeks</b>              | <ul style="list-style-type: none"> <li>Calcium tonic fortified with B<sub>12</sub></li> </ul>                                                                                                                                                                                                                                                                                 |
| <b>FISHERY</b> |                                        |                                            |                                                                                                                                                                                                                                                                                                                                                                               |
|                | <b>Pond preparation (Dil buatsaih)</b> | <b>3<sup>rd</sup>-4<sup>th</sup> weeks</b> | <ul style="list-style-type: none"> <li>Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.</li> </ul>                                                                                                                                                                                                                                          |
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Bawngkek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngkek kumkhat a kan mamawh zat hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani.</li> <li>Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.</li> </ul> |
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani.</li> <li>Tui nut zawng tehma transparency pawh 30-40 cm vel ani tur ani.</li> </ul>                                      |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,  
Guwahati)



## Expert committee members:

|                                |   |                              |                                                                                          |
|--------------------------------|---|------------------------------|------------------------------------------------------------------------------------------|
| <b>Dr. S.B. Singh</b>          | : | Joint Director               | <a href="mailto:basantasinghsoibam@rediffmail.com">basantasinghsoibam@rediffmail.com</a> |
| <b>Dr. Saurav Saha</b>         | : | Scientist (Agril. Physics)   | <a href="mailto:sauravs.saha@gmail.com">sauravs.saha@gmail.com</a>                       |
| <b>Dr. T. Boopathi</b>         | : | Scientist (Agril Entomology) | <a href="mailto:boopathiars@gmail.com">boopathiars@gmail.com</a>                         |
| <b>Dr. A. Ratankumar Singh</b> | : | Scientist (Plant Pathology)  | <a href="mailto:ratantplantpatho@gmail.com">ratantplantpatho@gmail.com</a>               |
| <b>Dr. Lungmuana</b>           | : | Scientist (Soil Fertility)   | <a href="mailto:lmsingson@gmail.com">lmsingson@gmail.com</a>                             |
| <b>Mr. P.L. Lalrinsanga</b>    | : | Scientist (Aquaculture)      | <a href="mailto:viensky2@gmail.com">viensky2@gmail.com</a>                               |
| <b>Dr. Dr. V. Dayal</b>        | : | Scientist (Horticulture)     | <a href="mailto:Vishambhai5009@gmail.com">Vishambhai5009@gmail.com</a>                   |
| <b>Dr. Samuel Lalliansanga</b> | : | Head & Sr. Scientist         | <a href="mailto:samuelpachua10@gmail.com">samuelpachua10@gmail.com</a>                   |
| <b>Mr. Samik Chowdhury</b>     | : | Technical Officer            | <a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>               |
| <b>Mr. Diktea chenkuai</b>     | : | Project Assistant            | <a href="mailto:dikteachenkuai10@gmail.com">dikteachenkuai10@gmail.com</a>               |

## Collaborating Department:

| Name of the KVK       | Programme Coordinator Name and Designation              | KVK Email Id                                                                                                                             | Phone no/<br>Mobile no   |
|-----------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>KVK Lunglei</b>    | <b>Dr. Lalmuanzovi</b><br>Head & Sr. Scientist          | <a href="mailto:kvknhathial@gmail.com">kvknhathial@gmail.com</a>                                                                         | 9862803750<br>9436154614 |
| <b>KVK, Kolasib</b>   | <b>Mr. Lalrosamga Khiangte</b><br>Head & Sr. Scientist  | <a href="mailto:kvkkolasib@gmail.com">kvkkolasib@gmail.com</a>                                                                           | 9436152440               |
| <b>KVK, Serchhip</b>  | <b>Mr. K. Laltlanmawia</b><br>Head & Sr. Scientist      | <a href="mailto:kvkserchhip@gmail.com">kvkserchhip@gmail.com</a>                                                                         | 9436146115<br>9615389293 |
| <b>KVK, Champhai</b>  | <b>Mrs. Lalrinawmi Renthlei</b><br>Head & Sr. Scientist | <a href="mailto:kvkchawzawl@gmail.com">kvkchawzawl@gmail.com</a>                                                                         | 9436159788               |
| <b>KVK, Lawngtlai</b> | <b>Dr. Michel Lallawmkimi</b><br>Head & Sr. Scientist   | <a href="mailto:kvklawntlai@gmail.com">kvklawntlai@gmail.com</a>                                                                         | 9436155858               |
| <b>KVK, Saiha</b>     | <b>Dr. Vanlalhraia Hnampe</b><br>Head & Sr. Scientist   | <a href="mailto:kvksaiha@gmail.com">kvksaiha@gmail.com</a>                                                                               | 8974656509               |
| <b>KVK, Mamit</b>     | <b>Dr. Samuel Lalliansanga</b><br>Head & Sr. Scientist  | <a href="mailto:kvkmamit@gmail.com">kvkmamit@gmail.com</a>                                                                               | 9436147625               |
| <b>KVK, Aizawl</b>    | <b>Dr. K. P. Chaudhary</b><br>Head & Sr. Scientist      | <a href="mailto:Kpchy@rediffmail.com">Kpchy@rediffmail.com</a><br><a href="mailto:kvkaizawl@rediffmail.com">kvkaizawl@rediffmail.com</a> | 9436351669               |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



**District:** Serchhip

**Period:** 03 June – 07 June, 2017

**Bulletin No:** - 706/2017/ Bulletin/English

**Date of issue:** 02<sup>nd</sup> June, 2017

| Parameters               | 03.06.2017      | 04.06.2017   | 05.06.2017      | 06.06.2017   | 07.06.2017      |
|--------------------------|-----------------|--------------|-----------------|--------------|-----------------|
| <b>Rainfall (mm)</b>     | 6               | 3            | 5               | 10           | 8               |
| <b>Max Temp (°C)</b>     | 28              | 29           | 29              | 30           | 30              |
| <b>Min Temp (°C)</b>     | 21              | 21           | 22              | 22           | 22              |
| <b>Cloud Coverage</b>    | Partially clear | Mainly clear | Partially clear | Mainly clear | Partially clear |
| <b>Max RH (%)</b>        | 99              | 98           | 99              | 100          | 100             |
| <b>Min RH (%)</b>        | 64              | 56           | 59              | 60           | 51              |
| <b>Wind Speed (Kmph)</b> | 2               | 4            | 2               | 2            | 2               |
| <b>*Wind Direction</b>   | S-E             | S-E          | E               | E            | E               |

**Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.**

**STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)**

|                                        |                                         |                                      |                                        |
|----------------------------------------|-----------------------------------------|--------------------------------------|----------------------------------------|
| <b>Aizawl- 384.87mm</b><br>(430.2mm)   | <b>Champhai- 105.48mm</b><br>(359.89mm) | <b>Saiha- 307.40 mm</b><br>(507.7mm) | <b>Kolasib- 236.00mm</b><br>(428.1mm)  |
| <b>Lawngtlai-291.20mm</b><br>(453.1mm) | <b>Lunglei-326.00mm</b><br>(465.14mm)   | <b>Mamit-204.87mm</b><br>(442.80mm)  | <b>Serchhip-411.72mm</b><br>(259.62mm) |

**Weather summary of the past three days**

**Maximum Tem. (°C):25-27°C**  
**Minimum Tem. (°C):18-19°C**  
**Maximum RH (%):98-99%**  
**Minimum RH (%):92-96%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Mainly cloudy**  
**Wind speed: 4-6 km/hr**

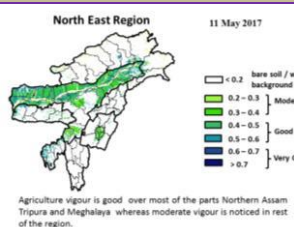
**Rainfall: 149.2 mm**

**Weather forecast valid from 03<sup>rd</sup> June, 2017 To 07<sup>th</sup> June, 2017.**

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 28-30°C and 21-22°C. Maximum relative humidity is expected in the range of 99-100% and minimum may from 51-64%. Wind direction would be southeasterly to easterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

**Weekly cumulative rainfall: 32.0 mm**

**NDVI for Mizoram**



Moderately wet mildly dry/mildly wet conditions



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| Main Crop / Animal / Fisheries      | Stage                               | Cultural practices/ Pest/ Diseases                                                       | Agricultural / Horticultural/ animal husbandry advisories                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRUITS CROPS</b>                 |                                     |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>KHASI MANDARIN AND ACID LIME</b> | <b>Seedling transplanting stage</b> |                                                                                          | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintain in the field.</li> </ul>                                                                                                                                                                         |
| <b>BANANA</b>                       |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Medium to young seedling should be support by bamboo stake.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>STAR FRUIT</b>                   |                                     |                                                                                          | <ul style="list-style-type: none"> <li>In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants.</li> </ul>                                                                                                                                                                                                                      |
| <b>PLUM AND PEACH</b>               |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                     |
|                                     |                                     | <b>Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor</b> | <ul style="list-style-type: none"> <li><b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lit of water.</li> <li><b>Leaf minor-</b> Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.</li> <li><b>Citrus Canker-</b> Apply bacterimycin @0.6 g/lit of water.</li> </ul>                                                                                         |
| <b>Passion Fruit</b>                | <b>Vegetative stage</b>             |                                                                                          | <ul style="list-style-type: none"> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> </ul> |
|                                     |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0</li> </ul>                                                                                                                                                                                                                                                          |
|                                     |                                     | <b>Aphid</b>                                                                             |                                                                                                                                                                                                                                                                                                                                                                                           |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                        |                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pineapple</b>       | <b>Flowering stage</b>  |  | <p>g or dimethoate 2 ml/lit of water.</p> <ul style="list-style-type: none"> <li>Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves.</li> <li>The flowering emergence will come out after 55-60 days after chemical spraying.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Remove all unwanted leaves, branches and weed near to the plant.</li> </ul>                                                                        |
| <b>PLANTATION CROP</b> |                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>COFFEE</b>          | <b>Vegetative stage</b> |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul> |
| <b>Rubber</b>          | <b>Nursery stage</b>    |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintain in</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|----------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                            | KOLASIB   | <p>the field.</p> <ul style="list-style-type: none"> <li>Medium to young seedling should be support by bamboo stake.</li> <li>In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants.</li> <li>Make fire line to protect the young tree and seedlings.</li> <li>10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> </ul>                                                                             |
| <b>CEREALS AND PULSE CROPS</b> |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pre Kharif Rice</b>         | <b>Transplanting stage</b> | AIZAWL    | <ul style="list-style-type: none"> <li>Water level shall be maintained for better transplant.</li> <li>Plough the field two to three times.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Transplant 2-3 seedlings in one place for avoid gap filling.</li> <li>Spacing should be 20 cm row to row and 15 cm plant to plant.</li> <li>Keep some seedlings in nursery or corner of the field for gap filling.</li> </ul> |
| <b>Jhum Rice</b>               | <b>Germination stage</b>   | LUNGLEI   | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>Maize (Jhum)</b>            | <b>Vegetative stage</b>    | LAWNGTLAI | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                                                                                                                                                                                                                             |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| VEGETABLE CROP             |                         |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|-------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cowpea</b>              | <b>Vegetative stage</b> | KOLASIB                | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> </ul>                                                                                           |
| <b>Okra</b>                | <b>Vegetative stage</b> | MAMIT<br>AIZAWL        | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> </ul>                                                                                           |
|                            |                         | <b>Okra leafroller</b> | <ul style="list-style-type: none"> <li>Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lit of water.</li> </ul>                                                                                                                                                                                                                                                                                                          |
| <b>Ginger and turmeric</b> | <b>Sowing stage</b>     | LUNGLEI                | <ul style="list-style-type: none"> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul> |
| <b>Colocasia</b>           | <b>Sowing stage</b>     | LAWNGTLAI<br>SAIHA     | <ul style="list-style-type: none"> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and</li> </ul>                                                                                                                                                                         |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                         |                            |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         |                            |                                                                              | MOP @ 220: 375: 134 kg.                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ANIMAL HUSBANDRY</b> |                            |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Pig</b>              | <b>All stages</b>          | KOLASIB                                                                      | <ul style="list-style-type: none"> <li>As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm.</li> <li>Regularly monitor their level of 'fitness' and increase their feed intake to maintain.</li> <li>Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.</li> </ul>                                |
|                         |                            | MAMIT<br>CHAMPAI<br><b>Porcine Reproductive Respiratory Syndrome (PRRS).</b> | 1. Culling of positive pigs or piglets.                                                                                                                                                                                                                                                                                                                                                                                  |
|                         | <b>Adult stage</b>         | <b>Swine fever.</b>                                                          | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval                                                                                                                                                                                                                                                                                                                                 |
| <b>Cattle</b>           | <b>All age group</b>       | SERCHHIP                                                                     | <ul style="list-style-type: none"> <li>During either hot or heavy rainy condition, animal are advised to keep under shade.</li> <li>Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter, Foot Mouth Disease, Duck Plague.</li> </ul>                                                                                                                            |
| <b>Poultry</b>          | <b>Litter management</b>   | LUNGLEI                                                                      | <ul style="list-style-type: none"> <li>Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water.</li> <li>Good management and sanitation are the best ways to avoid infectious disease in poultry.</li> <li>Provide ample quantity of clean drinking water.</li> <li>Avoid feeding of mouldy feed. Don't make sudden changes in feed</li> </ul> |
|                         | <b>Preventive measures</b> | LAWNGTLAI<br>0-3 <sup>rd</sup> week                                          | <ul style="list-style-type: none"> <li><b>Ranikhet Disease-</b> F1 vaccine at (1-6) days of birth and R<sub>2</sub>B vaccine for adult birds.</li> <li>B complex with antibodies</li> </ul>                                                                                                                                                                                                                              |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                |                         |                                                   |                                                                                                                                                                                                                                                                                       |
|----------------|-------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                         | 4 <sup>th</sup> weeks                             |  <b>Coccidiosis-</b> Amprolium or coccidiostat                                                                                                                                                       |
|                |                         | 4-5 <sup>th</sup> Weeks                           |  Calcium tonic fortified with B <sub>12</sub>                                                                                                                                                        |
| <b>FISHERY</b> |                         |                                                   |                                                                                                                                                                                                                                                                                       |
|                | <b>Pond preparation</b> | 3 <sup>rd</sup> -4 <sup>th</sup> weeks<br>KOLASIB |  Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.                                                                                      |
|                |                         | MAMIT                                             |  Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/year. One third of the total dose should be applied initially and the rest may be applied in a spilt doses.                   |
|                |                         | AIZAWL                                            |  Single super phosphate should also be applied at the rate of 250 kg/ha in the pond.                                                                                                                 |
|                |                         | SERCHHIP                                          |  After one week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development. |
|                |                         | LUNGLEI                                           |  Transparency of the water needs to be maintained at 30-40 cm.                                                                                                                                     |
|                |                         | LAWNGTLAI                                         |                                                                                                                                                                                                                                                                                       |
|                |                         | SAIHA                                             |                                                                                                                                                                                                                                                                                       |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,  
Guwahati)



## Expert committee members:

|                                |   |                              |                                                                                          |
|--------------------------------|---|------------------------------|------------------------------------------------------------------------------------------|
| <b>Dr. S.B. Singh</b>          | : | Joint Director               | <a href="mailto:basantasinghsoibam@rediffmail.com">basantasinghsoibam@rediffmail.com</a> |
| <b>Dr. Saurav Saha</b>         | : | Scientist (Agril. Physics)   | <a href="mailto:sauravs.saha@gmail.com">sauravs.saha@gmail.com</a>                       |
| <b>Dr. T. Boopathi</b>         | : | Scientist (Agril Entomology) | <a href="mailto:boopathiars@gmail.com">boopathiars@gmail.com</a>                         |
| <b>Dr. A. Ratankumar Singh</b> | : | Scientist (Plant Pathology)  | <a href="mailto:ratantplantpatho@gmail.com">ratantplantpatho@gmail.com</a>               |
| <b>Dr. Lungmuana</b>           | : | Scientist (Soil Fertility)   | <a href="mailto:lmsingson@gmail.com">lmsingson@gmail.com</a>                             |
| <b>Mr. P.L. Lalrinsanga</b>    | : | Scientist (Aquaculture)      | <a href="mailto:viensky2@gmail.com">viensky2@gmail.com</a>                               |
| <b>Dr. Dr. V. Dayal</b>        | : | Scientist (Horticulture)     | <a href="mailto:Vishambhai5009@gmail.com">Vishambhai5009@gmail.com</a>                   |
| <b>Dr. Samuel Lalliansanga</b> | : | Head & Sr. Scientist         | <a href="mailto:samuelpachua10@gmail.com">samuelpachua10@gmail.com</a>                   |
| <b>Mr. Samik Chowdhury</b>     | : | Technical Officer            | <a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>               |
| <b>Mr. Diktea chenkuai</b>     | : | Project Assistant            | <a href="mailto:dikteachenkuaiboy@gmail.com">dikteachenkuaiboy@gmail.com</a>             |

## Collaborating Department:

| Name of the KVK       | Programme Coordinator Name and Designation              | KVK Email Id                                                                                                                             | Phone no/<br>Mobile no   |
|-----------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>KVK Lunglei</b>    | <b>Dr. Lalmuanzovi</b><br>Head & Sr. Scientist          | <a href="mailto:kvkhnahthial@gmail.com">kvkhnahthial@gmail.com</a>                                                                       | 9862803750<br>9436154614 |
| <b>KVK, Kolasib</b>   | <b>Mr. Lalrosamga Khiangte</b><br>Head & Sr. Scientist  | <a href="mailto:kvkkolasib@gmail.com">kvkkolasib@gmail.com</a>                                                                           | 9436152440               |
| <b>KVK, Serchhip</b>  | <b>Mr. K. Laltlanmawia</b><br>Head & Sr. Scientist      | <a href="mailto:kvkserchhip@gmail.com">kvkserchhip@gmail.com</a>                                                                         | 9436146115<br>9615389293 |
| <b>KVK, Champhai</b>  | <b>Mrs. Lalrinawmi Renthlei</b><br>Head & Sr. Scientist | <a href="mailto:kvkchawzawl@gmail.com">kvkchawzawl@gmail.com</a>                                                                         | 9436159788               |
| <b>KVK, Lawngtlai</b> | <b>Dr. Michel Lallawmkimi</b><br>Head & Sr. Scientist   | <a href="mailto:kvklawntlai@gmail.com">kvklawntlai@gmail.com</a>                                                                         | 9436155858               |
| <b>KVK, Saiha</b>     | <b>Dr. Vanlalhruaia Hnampe</b><br>Head & Sr. Scientist  | <a href="mailto:kvksaiha@gmail.com">kvksaiha@gmail.com</a>                                                                               | 8974656509               |
| <b>KVK, Mamit</b>     | <b>Dr. Samuel Lalliansanga</b><br>Head & Sr. Scientist  | <a href="mailto:kvkmamit@gmail.com">kvkmamit@gmail.com</a>                                                                               | 9436147625               |
| <b>KVK, Aizawl</b>    | <b>Dr. K. P. Chaudhary</b><br>Head & Sr. Scientist      | <a href="mailto:Kpchy@rediffmail.com">Kpchy@rediffmail.com</a><br><a href="mailto:kvkaizawl@rediffmail.com">kvkaizawl@rediffmail.com</a> | 9436351669               |



**GRAMIN KRISHI MAUSAM SEWA**  
**ICAR RESEARCH COMPLEX FOR NEH REGION**  
 Mizoram Centre, Kolasib- 796081, MIZORAM  
*(Prepared based on District wise Weather Forecast received from IMD, Guwahati)*



**District:** Serchhip

**Period:** 03 June – 07 June, 2017

**Bulletin No:** - 706/2017/ Bulletin/Mizo

**Date of issue:** 02<sup>nd</sup> June, 2017

| Parameters               | 03.06.2017      | 04.06.2017   | 05.06.2017      | 06.06.2017   | 07.06.2017      |
|--------------------------|-----------------|--------------|-----------------|--------------|-----------------|
| <b>Rainfall (mm)</b>     | 6               | 3            | 5               | 10           | 8               |
| <b>Max Temp (°C)</b>     | 28              | 29           | 29              | 30           | 30              |
| <b>Min Temp (°C)</b>     | 21              | 21           | 22              | 22           | 22              |
| <b>Cloud Coverage</b>    | Partially clear | Mainly clear | Partially clear | Mainly clear | Partially clear |
| <b>Max RH (%)</b>        | 99              | 98           | 99              | 100          | 100             |
| <b>Min RH (%)</b>        | 64              | 56           | 59              | 60           | 51              |
| <b>Wind Speed (Kmph)</b> | 2               | 4            | 2               | 2            | 2               |
| <b>*Wind Direction</b>   | S-E             | S-E          | E               | E            | E               |

**Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E,  
 Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.**

**STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)**

|                                        |                                         |                                      |                                        |
|----------------------------------------|-----------------------------------------|--------------------------------------|----------------------------------------|
| <b>Aizawl- 384.87mm</b><br>(430.2mm)   | <b>Champhai- 105.48mm</b><br>(359.89mm) | <b>Saiha- 307.40 mm</b><br>(507.7mm) | <b>Kolasib- 236.00mm</b><br>(428.1mm)  |
| <b>Lawngtlai-291.20mm</b><br>(453.1mm) | <b>Lunglei-326.00mm</b><br>(465.14mm)   | <b>Mamit-204.87mm</b><br>(442.80mm)  | <b>Serchhip-411.72mm</b><br>(259.62mm) |

**Weather summary of the past three days**

**03<sup>rd</sup> June– 07<sup>th</sup> June, 2017 chhunga sik leh sa  
 dinhmun tur tlangpui**

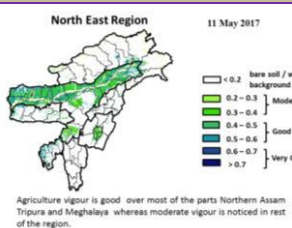
**Maximum Tem. (°C):25-27°C**  
**Minimum Tem. (°C):18-19°C**  
**Maximum RH (%):98-99%**  
**Minimum RH (%):92-96%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Mainly cloudy**  
**Wind speed: 4-6 km/hr**

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-30°C a ni ang a. A vawh lai ber in 21-22°C ni tura beisei a ni. RH san lai berin 99-100% leh a hniam lai berin 51-64% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

**Rainfall: 149.2 mm**

**Weekly cumulative rainfall: 32.0mm**

**NDVI for Mizoram**



Moderately wet mildly dry/mildly wet conditions



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| Main Crop / Animal / Fisheries      | Stage                          | Cultural practices/ Pest/ Diseases                          | Agricultural / Horticultural/ animal husbandry advisories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------|--------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRUITS CROPS</b>                 |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>KHASI MANDARIN AND ACID LIME</b> | <b>A kui atanga a seng hun</b> |                                                             | <ul style="list-style-type: none"> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Leia tha mamawh tawh a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.</li> </ul>                                                    |
| <b>BANANA</b>                       |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>STAR FRUIT</b>                   |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>PLUM AND PEACH</b>               |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                     |                                | <b>Gummosis, citrus canker, citrus greening and Dieback</b> | <ul style="list-style-type: none"> <li>Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                     |
|                                     |                                | <b>Fruit fly</b>                                            | <ul style="list-style-type: none"> <li>Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>PLANTATION CROP</b>              |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>COFFEE</b>                       | <b>All stages</b>              |                                                             | <b>Nursery stage</b> <ul style="list-style-type: none"> <li>Thlai chi thlak hma in <i>Azospirillum</i> leh <i>Phosphobacterium</i> a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hlih tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul> |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                |                   |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------|-------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                   |                           | <b>Harvesting Stage</b> <ul style="list-style-type: none"> <li>Coffe rah hmin hi thlasik lain an seng thin a ni.</li> <li>A rah hmin tha lo ho chu nuai sawm hmain an thliar hrang leh vek thin ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                |                   | <b>Coffee Berry borer</b> | <ul style="list-style-type: none"> <li>A hun takah leh fimkhur taka seng tur ani.</li> <li>Hmaih neih nuaih loh tur ani.</li> <li>Sneg hmaih te lakkhawma paih vek tur ani.</li> <li>Seng bang zawng zawng chu uluka taka paih fai vek tur ani.</li> <li>A thlai vennis a rah tlai ho chu paih vek tur ani.</li> <li>Hmun dam lutukah dah loh tur.</li> <li>Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.</li> <li>Chuan hei hian kah tur ani. Quinalphos 25 EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit.</li> <li>In leh loa sawngbawl a a ro dan tur tawkah chuan: Arabica / robusta parchment 10 %, Arabica cherry 10.5 % leh robusta cherry 11.0 %.</li> </ul> |
|                                |                   | <b>Coffee Rust</b>        | <ul style="list-style-type: none"> <li>Natna hrik in a khawih tawh a hnah leh a dang te paihpaih vek tur ani.</li> <li>Bordeaux mixture 0.5% in February - March (Pre-bloom) a kah phawt a, Oxycarboxin 0.03% in May - June (Pre-monsoon) ah kah chhunzawm tur ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>CEREALS AND PULSE CROPS</b> |                   |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Rabi Maize</b>              | <b>A chin hun</b> |                           | <ul style="list-style-type: none"> <li>Vaimim chinna tur atan lei kan let phut darh anga.</li> <li>Hei hian a rawn to chhuah na tur atan a pui dawn a ni.</li> <li>A chi chu kan lei leh saah chuan kan dah ang.</li> <li>A chi chu Thiram @4 g/kg seed hian ak sawngbawl hmasa anga.</li> <li>20-25 kg/ha vel a chi thlak hi a tawk vel viau ani.</li> <li>A chi tuh hma in lei leh FYM @5-10 t/ha leh 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> leh</li> </ul>                                                                                                                                                                                                                                                                                   |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                                                                         |                                 |                     |                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------|---------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                         |                                 |                     | K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.                                                                                                                                                                                |
| <b>Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow</b> | <b>All stage</b>                | <b>Zero tillage</b> | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>                                                                                                                            |
| <b>Potato</b>                                                                           | <b>Sowing stage</b>             |                     | <ul style="list-style-type: none"> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul> |
| <b>VEGETABLE CROP</b>                                                                   |                                 |                     |                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Tomato</b>                                                                           | <b>Bacterial Blight disease</b> |                     | <ul style="list-style-type: none"> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>                                                      |
| <b>Early Cole crop</b>                                                                  | <b>Black spot disease</b>       |                     | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>                                                                                                   |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                           |                      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|----------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                      |                            | <p>awm thin a , hei hi natna tlanglawn ber ani.</p> <ul style="list-style-type: none"> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>                                                                                                                                                                                                           |
| <b>Onion and capsicum</b> | <b>Nursery stage</b> | <b>Poly house</b>          | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>                                                                            |
|                           |                      | <b>Phytophthora blight</b> | <ul style="list-style-type: none"> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>                                                                                                                     |
| <b>French bean</b>        | <b>Sowing stage</b>  |                            | <ul style="list-style-type: none"> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>                                                                                                                                                                  |
| <b>Carrot and radish</b>  | <b>Sowing stage</b>  |                            | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul> |

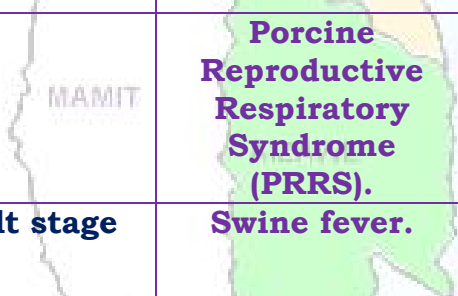
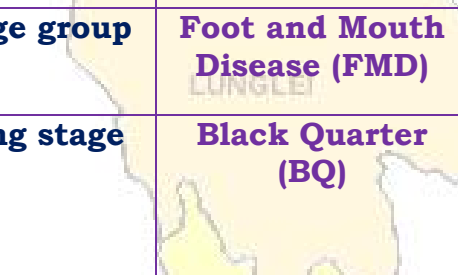
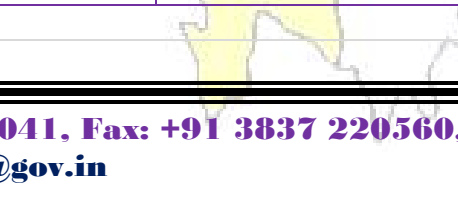


# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| ANIMAL HUSBANDRY |                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pig</b>       | <b>All stages</b>        |    | <ul style="list-style-type: none"> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani..</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul> |
|                  |                          |   | <p><b>Porcine Reproductive Respiratory Syndrome (PRRS).</b></p> <p>1. Vawknote emaw vawk lak hran.</p>                                                                                                                                                                                                                                                                              |
|                  | <b>Adult stage</b>       |  | <p><b>Swine fever.</b></p> <p>2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhonzawm tur ani.</p>                                                                                                                                                                                                                                        |
| <b>Cattle</b>    | <b>All age group</b>     |  | <ul style="list-style-type: none"> <li>Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.</li> </ul>                                                                                                                                     |
|                  | <b>All age group</b>     |  | <ul style="list-style-type: none"> <li>Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhonzawm tur ani.</li> </ul>                                                                                                                                                                                                                                                   |
|                  | <b>Young stage</b>       |  | <ul style="list-style-type: none"> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>                                                                                                                                                                        |
| <b>Poultry</b>   | <b>Litter management</b> |                                                                                     | <ul style="list-style-type: none"> <li>Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.</li> <li>An hriselna atan enkawltha tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.</li> </ul>                                                                                                  |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                |                                        |                                            |                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>                                                                                                                                                   |
|                | <b>Preventive measures</b>             | <b>0-3<sup>rd</sup> week</b>               | <ul style="list-style-type: none"> <li><b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>                                                                                                                                                  |
|                |                                        | <b>4<sup>th</sup> weeks</b>                | <ul style="list-style-type: none"> <li><b>Coccidiosis-</b> Amprolium or coccidiostat</li> </ul>                                                                                                                                                                                                                                                                               |
|                |                                        | <b>4-5<sup>th</sup> Weeks</b>              | <ul style="list-style-type: none"> <li>Calcium tonic fortified with B<sub>12</sub></li> </ul>                                                                                                                                                                                                                                                                                 |
| <b>FISHERY</b> |                                        |                                            |                                                                                                                                                                                                                                                                                                                                                                               |
|                | <b>Pond preparation (Dil buatsaih)</b> | <b>3<sup>rd</sup>-4<sup>th</sup> weeks</b> | <ul style="list-style-type: none"> <li>Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.</li> </ul>                                                                                                                                                                                                                                          |
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Bawngkek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngkek kumkhat a kan mamawh zat hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani.</li> <li>Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.</li> </ul> |
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani.</li> <li>Tui nut zawng tehma transparency pawh 30-40 cm vel ani tur ani.</li> </ul>                                      |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,  
Guwahati)



## Expert committee members:

|                                |   |                              |                                                                                          |
|--------------------------------|---|------------------------------|------------------------------------------------------------------------------------------|
| <b>Dr. S.B. Singh</b>          | : | Joint Director               | <a href="mailto:basantasinghsoibam@rediffmail.com">basantasinghsoibam@rediffmail.com</a> |
| <b>Dr. Saurav Saha</b>         | : | Scientist (Agril. Physics)   | <a href="mailto:sauravs.saha@gmail.com">sauravs.saha@gmail.com</a>                       |
| <b>Dr. T. Boopathi</b>         | : | Scientist (Agril Entomology) | <a href="mailto:boopathiars@gmail.com">boopathiars@gmail.com</a>                         |
| <b>Dr. A. Ratankumar Singh</b> | : | Scientist (Plant Pathology)  | <a href="mailto:ratantplantpatho@gmail.com">ratantplantpatho@gmail.com</a>               |
| <b>Dr. Lungmuana</b>           | : | Scientist (Soil Fertility)   | <a href="mailto:lmsingson@gmail.com">lmsingson@gmail.com</a>                             |
| <b>Mr. P.L. Lalrinsanga</b>    | : | Scientist (Aquaculture)      | <a href="mailto:viensky2@gmail.com">viensky2@gmail.com</a>                               |
| <b>Dr. Dr. V. Dayal</b>        | : | Scientist (Horticulture)     | <a href="mailto:Vishambhai5009@gmail.com">Vishambhai5009@gmail.com</a>                   |
| <b>Dr. Samuel Lalliansanga</b> | : | Head & Sr. Scientist         | <a href="mailto:samuelpachua10@gmail.com">samuelpachua10@gmail.com</a>                   |
| <b>Mr. Samik Chowdhury</b>     | : | Technical Officer            | <a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>               |
| <b>Mr. Diktea chenkual</b>     | : | Project Assistant            | <a href="mailto:dikteachenkualboy@gmail.com">dikteachenkualboy@gmail.com</a>             |
| <b>Dr. S.B. Singh</b>          | : | Joint Director               | <a href="mailto:basantasinghsoibam@rediffmail.com">basantasinghsoibam@rediffmail.com</a> |

## Collaborating Department:

| Name of the KVK       |   | Programme Coordinator<br>Name and Designation           | KVK Email Id                                                                                                                             | Phone no/<br>Mobile no   |
|-----------------------|---|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>KVK Lunglei</b>    | : | <b>Dr. Lalmuanzovi</b><br>Head & Sr. Scientist          | <a href="mailto:kvkhnahthial@gmail.com">kvkhnahthial@gmail.com</a>                                                                       | 9862803750<br>9436154614 |
| <b>KVK, Kolasib</b>   | : | <b>Mr. Lalrosamga Khiangte</b><br>Head & Sr. Scientist  | <a href="mailto:kvkkolasib@gmail.com">kvkkolasib@gmail.com</a>                                                                           | 9436152440               |
| <b>KVK, Serchhip</b>  | : | <b>Mr. K. Laltlanmawia</b><br>Head & Sr. Scientist      | <a href="mailto:kvkserchhip@gmail.com">kvkserchhip@gmail.com</a>                                                                         | 9436146115<br>9615389293 |
| <b>KVK, Champhai</b>  | : | <b>Mrs. Lalrinawmi Renthlei</b><br>Head & Sr. Scientist | <a href="mailto:kvkchawzawl@gmail.com">kvkchawzawl@gmail.com</a>                                                                         | 9436159788               |
| <b>KVK, Lawngtlai</b> | : | <b>Dr. Michel Lallawmkimi</b><br>Head & Sr. Scientist   | <a href="mailto:kvklawntlai@gmail.com">kvklawntlai@gmail.com</a>                                                                         | 9436155858               |
| <b>KVK, Saiha</b>     | : | <b>Dr. Vanlalhruaia Hnampe</b><br>Head & Sr. Scientist  | <a href="mailto:kvksaiha@gmail.com">kvksaiha@gmail.com</a>                                                                               | 8974656509               |
| <b>KVK, Mamit</b>     | : | <b>Dr. Samuel Lalliansanga</b><br>Head & Sr. Scientist  | <a href="mailto:kvkmamit@gmail.com">kvkmamit@gmail.com</a>                                                                               | 9436147625               |
| <b>KVK, Aizawl</b>    | : | <b>Dr. K. P. Chaudhary</b><br>Head & Sr. Scientist      | <a href="mailto:Kpchy@rediffmail.com">Kpchy@rediffmail.com</a><br><a href="mailto:kvkaizawl@rediffmail.com">kvkaizawl@rediffmail.com</a> | 9436351669               |



**GRAMIN KRISHI MAUSAM SEWA**  
**ICAR RESEARCH COMPLEX FOR NEH REGION**  
 Mizoram Centre, Kolasib- 796081, MIZORAM  
*(Prepared based on District wise Weather Forecast received from IMD, Guwahati)*



**District:** Aizawl

**Period:** 03 June – 07 June, 2017

**Bulletin No:** - 706/2017/ Bulletin/English

**Date of issue:** 02<sup>nd</sup> June, 2017

| Parameters               | 03.06.2017      | 04.06.2017   | 05.06.2017      | 06.06.2017   | 07.06.2017      |
|--------------------------|-----------------|--------------|-----------------|--------------|-----------------|
| <b>Rainfall (mm)</b>     | 28              | 7            | 11              | 12           | 13              |
| <b>Max Temp (°C)</b>     | 25              | 26           | 25              | 25           | 26              |
| <b>Min Temp (°C)</b>     | 11              | 11           | 12              | 12           | 12              |
| <b>Cloud Coverage</b>    | Partially clear | Mainly clear | Partially clear | Mainly clear | Partially clear |
| <b>Max RH (%)</b>        | 99              | 98           | 98              | 97           | 99              |
| <b>Min RH (%)</b>        | 72              | 70           | 66              | 68           | 62              |
| <b>Wind Speed (Kmph)</b> | 5               | 4            | 4               | 2            | 2               |
| <b>*Wind Direction</b>   | S-E             | S-E          | S-E             | S-E          | E               |

**Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E,  
 Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.**

**STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)**

|                                        |                                         |                                      |                                        |
|----------------------------------------|-----------------------------------------|--------------------------------------|----------------------------------------|
| <b>Aizawl- 384.87mm</b><br>(430.2mm)   | <b>Champhai- 105.48mm</b><br>(359.89mm) | <b>Saiha- 307.40 mm</b><br>(507.7mm) | <b>Kolasib- 236.00mm</b><br>(428.1mm)  |
| <b>Lawngtlai-291.20mm</b><br>(453.1mm) | <b>Lunglei-326.00mm</b><br>(465.14mm)   | <b>Mamit-204.87mm</b><br>(442.80mm)  | <b>Serchhip-411.72mm</b><br>(259.62mm) |

**Weather summary of the past three days**

**Maximum Tem. (°C):24-26°C**  
**Minimum Tem. (°C):16-17°C**  
**Maximum RH (%):98-99%**  
**Minimum RH (%):79-94%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Mainly cloudy**  
**Wind speed: 4-6 km/hr**

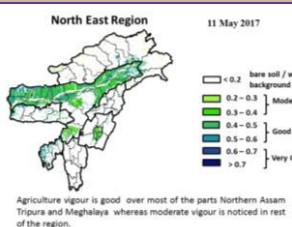
**Rainfall: 153.2 mm**

**Weather forecast valid from 03<sup>rd</sup> June, 2017 To 07<sup>th</sup> June, 2017.**

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 25-26°C and 11-13°C. Maximum relative humidity is expected in the range of 97-99% and minimum may from 62-72%. Wind direction would be southeasterly to easterly with the wind speed of 2-5 km per hour. Partially clear sky will prevail during the next five days.

**Weekly cumulative rainfall: 73.0 mm**

**NDVI for Mizoram**



Moderately wet mildly dry/mildly wet conditions



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| Main Crop / Animal / Fisheries      | Stage                               | Cultural practices/ Pest/ Diseases                                                       | Agricultural / Horticultural/ animal husbandry advisories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRUITS CROPS</b>                 |                                     |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>KHASI MANDARIN AND ACID LIME</b> | <b>Seedling transplanting stage</b> |                                                                                          | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintain in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants.</li> <li>Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul> |
| <b>BANANA</b>                       |                                     |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>STAR FRUIT</b>                   |                                     |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>PLUM AND PEACH</b>               |                                     |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                     | <b>Vegetative stage</b>             | <b>Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor</b> | <ul style="list-style-type: none"> <li><b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lit of water.</li> <li><b>Leaf minor-</b> Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.</li> <li><b>Citrus Canker-</b> Apply bacterimycin @0.6 g/lit of water.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Passion Fruit</b>                |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> </ul>                                                                                                                                                                                                                                                                                                       |
|                                     |                                     | <b>Aphid</b>                                                                             | <ul style="list-style-type: none"> <li>Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                        |                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pineapple</b>       | <b>Flowering stage</b>  |  | <p>g or dimethoate 2 ml/lit of water.</p> <ul style="list-style-type: none"> <li>Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves.</li> <li>The flowering emergence will come out after 55-60 days after chemical spraying.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Remove all unwanted leaves, branches and weed near to the plant.</li> </ul>                                                                        |
| <b>PLANTATION CROP</b> |                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>COFFEE</b>          | <b>Vegetative stage</b> |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul> |
| <b>Rubber</b>          | <b>Nursery stage</b>    |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintain in</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|----------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                            | KOLASIB   | <p>the field.</p> <ul style="list-style-type: none"> <li>Medium to young seedling should be support by bamboo stake.</li> <li>In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants.</li> <li>Make fire line to protect the young tree and seedlings.</li> <li>10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> </ul>                                                                             |
| <b>CEREALS AND PULSE CROPS</b> |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pre Kharif Rice</b>         | <b>Transplanting stage</b> | AIZAWL    | <ul style="list-style-type: none"> <li>Water level shall be maintained for better transplant.</li> <li>Plough the field two to three times.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Transplant 2-3 seedlings in one place for avoid gap filling.</li> <li>Spacing should be 20 cm row to row and 15 cm plant to plant.</li> <li>Keep some seedlings in nursery or corner of the field for gap filling.</li> </ul> |
| <b>Jhum Rice</b>               | <b>Germination stage</b>   | LUNGLEI   | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>Maize (Jhum)</b>            | <b>Vegetative stage</b>    | LAWNGTLAI | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                                                                                                                                                                                                                             |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| VEGETABLE CROP             |                         |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|-------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cowpea</b>              | <b>Vegetative stage</b> | KOLASIB                | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> </ul>                                                                                           |
| <b>Okra</b>                | <b>Vegetative stage</b> | MAMIT<br>AIZAWL        | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> </ul>                                                                                           |
|                            |                         | <b>Okra leafroller</b> | <ul style="list-style-type: none"> <li>Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>                                                                                                                                                                                                                                                                                                           |
| <b>Ginger and turmeric</b> | <b>Sowing stage</b>     | LUNGLEI                | <ul style="list-style-type: none"> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul> |
| <b>Colocasia</b>           | <b>Sowing stage</b>     | LAWNGTLAI<br>SAIHA     | <ul style="list-style-type: none"> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and</li> </ul>                                                                                                                                                                         |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                          |                            |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------|----------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          |                            |                                                                              | MOP @ 220: 375: 134 kg.                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ANIMAL HUSBENDARY</b> |                            |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Pig</b>               | <b>All stages</b>          | KOLASIB                                                                      | <ul style="list-style-type: none"> <li>As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm.</li> <li>Regularly monitor their level of 'fitness' and increase their feed intake to maintain.</li> <li>Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.</li> </ul>                                |
|                          |                            | MAMIT<br>CHAMPAI<br><b>Porcine Reproductive Respiratory Syndrome (PRRS).</b> | 1. Culling of positive pigs or piglets.                                                                                                                                                                                                                                                                                                                                                                                  |
|                          | <b>Adult stage</b>         | <b>Swine fever.</b>                                                          | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval                                                                                                                                                                                                                                                                                                                                 |
| <b>Cattle</b>            | <b>All age group</b>       | SERCHHIP                                                                     | <ul style="list-style-type: none"> <li>During either hot or heavy rainy condition, animal are advised to keep under shade.</li> <li>Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter, Foot Mouth Disease, Duck Plague.</li> </ul>                                                                                                                            |
| <b>Poultry</b>           | <b>Litter management</b>   | LUNGLEI                                                                      | <ul style="list-style-type: none"> <li>Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water.</li> <li>Good management and sanitation are the best ways to avoid infectious disease in poultry.</li> <li>Provide ample quantity of clean drinking water.</li> <li>Avoid feeding of mouldy feed. Don't make sudden changes in feed</li> </ul> |
|                          | <b>Preventive measures</b> | LAWNGTLAI<br>0-3 <sup>rd</sup> week                                          | <ul style="list-style-type: none"> <li><b>Ranikhet Disease-</b> F1 vaccine at (1-6) days of birth and R<sub>2</sub>B vaccine for adult birds.</li> <li>B complex with antibodies</li> </ul>                                                                                                                                                                                                                              |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                |                         |                                                   |                                                                                                                                                                                                       |
|----------------|-------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                         | 4 <sup>th</sup> weeks                             | ✚ Coccidiosis- Amprolium or coccidiostat                                                                                                                                                              |
|                |                         | 4-5 <sup>th</sup> Weeks                           | ✚ Calcium tonic fortified with B <sub>12</sub>                                                                                                                                                        |
| <b>FISHERY</b> |                         |                                                   |                                                                                                                                                                                                       |
|                | <b>Pond preparation</b> | 3 <sup>rd</sup> -4 <sup>th</sup> weeks<br>KOLASIB | ✚ Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.                                                                                      |
|                |                         | MAMIT                                             | ✚ Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/year. One third of the total dose should be applied initially and the rest may be applied in a spilt doses.                   |
|                |                         | AIZAWL                                            | ✚ Single super phosphate should also be applied at the rate of 250 kg/ha in the pond.                                                                                                                 |
|                |                         | SERCHHIP                                          | ✚ After one week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development. |
|                |                         | LUNGLEI                                           | ✚ Transparency of the water needs to be maintained at 30-40 cm.                                                                                                                                       |
|                |                         | LAWNGTLAI                                         |                                                                                                                                                                                                       |
|                |                         | SAIHA                                             |                                                                                                                                                                                                       |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,  
Guwahati)



## Expert committee members:

|                                |   |                              |                                                                                          |
|--------------------------------|---|------------------------------|------------------------------------------------------------------------------------------|
| <b>Dr. S.B. Singh</b>          | : | Joint Director               | <a href="mailto:basantasinghsoibam@rediffmail.com">basantasinghsoibam@rediffmail.com</a> |
| <b>Dr. Saurav Saha</b>         | : | Scientist (Agril. Physics)   | <a href="mailto:sauravs.saha@gmail.com">sauravs.saha@gmail.com</a>                       |
| <b>Dr. T. Boopathi</b>         | : | Scientist (Agril Entomology) | <a href="mailto:boopathiars@gmail.com">boopathiars@gmail.com</a>                         |
| <b>Dr. A. Ratankumar Singh</b> | : | Scientist (Plant Pathology)  | <a href="mailto:ratantplantpatho@gmail.com">ratantplantpatho@gmail.com</a>               |
| <b>Dr. Lungmuana</b>           | : | Scientist (Soil Fertility)   | <a href="mailto:lmsingson@gmail.com">lmsingson@gmail.com</a>                             |
| <b>Mr. P.L. Lalrinsanga</b>    | : | Scientist (Aquaculture)      | <a href="mailto:viensky2@gmail.com">viensky2@gmail.com</a>                               |
| <b>Dr. Dr. V. Dayal</b>        | : | Scientist (Horticulture)     | <a href="mailto:Vishambhai5009@gmail.com">Vishambhai5009@gmail.com</a>                   |
| <b>Dr. Samuel Lalliansanga</b> | : | Head & Sr. Scientist         | <a href="mailto:samuelpachua10@gmail.com">samuelpachua10@gmail.com</a>                   |
| <b>Mr. Samik Chowdhury</b>     | : | Technical Officer            | <a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>               |
| <b>Mr. Diktea chenkuai</b>     | : | Project Assistant            | <a href="mailto:dikteachenkuai10@gmail.com">dikteachenkuai10@gmail.com</a>               |

## Collaborating Department:

| Name of the KVK       | Programme Coordinator Name and Designation              | KVK Email Id                                                                                                                             | Phone no/<br>Mobile no   |
|-----------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>KVK Lunglei</b>    | <b>Dr. Lalmuanzovi</b><br>Head & Sr. Scientist          | <a href="mailto:kvknhathial@gmail.com">kvknhathial@gmail.com</a>                                                                         | 9862803750<br>9436154614 |
| <b>KVK, Kolasib</b>   | <b>Mr. Lalrosamga Khiangte</b><br>Head & Sr. Scientist  | <a href="mailto:kvkkolasib@gmail.com">kvkkolasib@gmail.com</a>                                                                           | 9436152440               |
| <b>KVK, Serchhip</b>  | <b>Mr. K. Laltlanmawia</b><br>Head & Sr. Scientist      | <a href="mailto:kvkserchhip@gmail.com">kvkserchhip@gmail.com</a>                                                                         | 9436146115<br>9615389293 |
| <b>KVK, Champhai</b>  | <b>Mrs. Lalrinawmi Renthlei</b><br>Head & Sr. Scientist | <a href="mailto:kvkchawzawl@gmail.com">kvkchawzawl@gmail.com</a>                                                                         | 9436159788               |
| <b>KVK, Lawngtlai</b> | <b>Dr. Michel Lallawmkimi</b><br>Head & Sr. Scientist   | <a href="mailto:kvklawntlai@gmail.com">kvklawntlai@gmail.com</a>                                                                         | 9436155858               |
| <b>KVK, Saiha</b>     | <b>Dr. Vanlalhraia Hnampe</b><br>Head & Sr. Scientist   | <a href="mailto:kvksaiha@gmail.com">kvksaiha@gmail.com</a>                                                                               | 8974656509               |
| <b>KVK, Mamit</b>     | <b>Dr. Samuel Lalliansanga</b><br>Head & Sr. Scientist  | <a href="mailto:kvkmamit@gmail.com">kvkmamit@gmail.com</a>                                                                               | 9436147625               |
| <b>KVK, Aizawl</b>    | <b>Dr. K. P. Chaudhary</b><br>Head & Sr. Scientist      | <a href="mailto:Kpchy@rediffmail.com">Kpchy@rediffmail.com</a><br><a href="mailto:kvkaizawl@rediffmail.com">kvkaizawl@rediffmail.com</a> | 9436351669               |



# GRAMIN KRISHI MAUSAM SEWA

## ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM  
(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



**District:** Aizawl

**Period:** 03 June – 07 June, 2017

**Bulletin No:** - 706/2017/ Bulletin/Mizo

**Date of issue:** 02<sup>nd</sup> June, 2017

| Parameters               | 03.06.2017      | 04.06.2017   | 05.06.2017      | 06.06.2017   | 07.06.2017      |
|--------------------------|-----------------|--------------|-----------------|--------------|-----------------|
| <b>Rainfall (mm)</b>     | 28              | 7            | 11              | 12           | 13              |
| <b>Max Temp (°C)</b>     | 25              | 26           | 25              | 25           | 26              |
| <b>Min Temp (°C)</b>     | 11              | 11           | 12              | 12           | 12              |
| <b>Cloud Coverage</b>    | Partially clear | Mainly clear | Partially clear | Mainly clear | Partially clear |
| <b>Max RH (%)</b>        | 99              | 98           | 98              | 97           | 99              |
| <b>Min RH (%)</b>        | 72              | 70           | 66              | 68           | 62              |
| <b>Wind Speed (Kmph)</b> | 5               | 4            | 4               | 2            | 2               |
| <b>*Wind Direction</b>   | S-E             | S-E          | S-E             | S-E          | E               |

**Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.**

**STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)**

|                                        |                                         |                                      |                                        |
|----------------------------------------|-----------------------------------------|--------------------------------------|----------------------------------------|
| <b>Aizawl- 384.87mm</b><br>(430.2mm)   | <b>Champhai- 105.48mm</b><br>(359.89mm) | <b>Saiha- 307.40 mm</b><br>(507.7mm) | <b>Kolasib- 236.00mm</b><br>(428.1mm)  |
| <b>Lawngtlai-291.20mm</b><br>(453.1mm) | <b>Lunglei-326.00mm</b><br>(465.14mm)   | <b>Mamit-204.87mm</b><br>(442.80mm)  | <b>Serchhip-411.72mm</b><br>(259.62mm) |

**Weather summary of the past three days**

**03<sup>rd</sup> June– 07<sup>th</sup> June, 2017 chhunga sik leh sa dinhmun tur tlangpui**

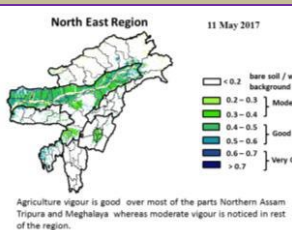
**Maximum Tem. (°C):24-26°C**  
**Minimum Tem. (°C):16-17°C**  
**Maximum RH (%):98-99%**  
**Minimum RH (%):79-94%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Mainly cloudy**  
**Wind speed: 4-6 km/hr**

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 25-26°C a ni ang a. A vawh lai ber in 11-13°C ni tura beisei a ni. RH san lai berin 97-99% leh a hniam lai berin 62-72% ni tur a rin niin. Thli hi darkar khatah 2-5 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

**Rainfall: 153.2 mm**

**Weekly cumulative rainfall: 73.0mm**

**NDVI for Mizoram**



Moderately wet mildly dry/mildly wet conditions



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| Main Crop / Animal / Fisheries      | Stage                          | Cultural practices/ Pest/ Diseases                          | Agricultural / Horticultural/ animal husbandry advisories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------|--------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRUITS CROPS</b>                 |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>KHASI MANDARIN AND ACID LIME</b> | <b>A kui atanga a seng hun</b> |                                                             | <ul style="list-style-type: none"> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Leia tha mamawh tawh a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.</li> </ul>                                                    |
| <b>BANANA</b>                       |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>STAR FRUIT</b>                   |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>PLUM AND PEACH</b>               |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                     |                                | <b>Gummosis, citrus canker, citrus greening and Dieback</b> | <ul style="list-style-type: none"> <li>Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                     |
|                                     |                                | <b>Fruit fly</b>                                            | <ul style="list-style-type: none"> <li>Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>PLANTATION CROP</b>              |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>COFFEE</b>                       | <b>All stages</b>              |                                                             | <b>Nursery stage</b> <ul style="list-style-type: none"> <li>Thlai chi thlak hma in <i>Azospirillum</i> leh <i>Phosphobacterium</i> a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hlih tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul> |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                |                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------|-------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                   |                                  | <b>Harvesting Stage</b> <ul style="list-style-type: none"> <li>Coffe rah hmin hi thlasik lain an seng thin a ni.</li> <li>A rah hmin tha lo ho chu nuai sawm hmain an thliar hrang leh vek thin ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                |                   | <p><b>Coffee Berry borer</b></p> | <ul style="list-style-type: none"> <li>A hun takah leh fimkhur taka seng tur ani.</li> <li>Hmaih neih nuaih loh tur ani.</li> <li>Sneg hmaih te lakkhawma paih vek tur ani.</li> <li>Seng bang zawng zawng chu uluka taka paih fai vek tur ani.</li> <li>A thlai vennis a rah tlai ho chu paih vek tur ani.</li> <li>Hmun dam lutukah dah loh tur.</li> <li>Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.</li> <li>Chuan hei hian kah tur ani. Quinalphos 25 EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit.</li> <li>In leh loa sawngbawl a a ro dan tur tawkah chuan: Arabica / robusta parchment 10 %, Arabica cherry 10.5 % leh robusta cherry 11.0 %.</li> </ul> |
|                                |                   | <p><b>Coffee Rust</b></p>        | <ul style="list-style-type: none"> <li>Natna hrik in a khawih tawh a hnah leh a dang te paihpaih vek tur ani.</li> <li>Bordeaux mixture 0.5% in February - March (Pre-bloom) a kah phawt a, Oxycarboxin 0.03% in May - June (Pre-monsoon) ah kah chhunzawm tur ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>CEREALS AND PULSE CROPS</b> |                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Rabi Maize</b>              | <b>A chin hun</b> |                                  | <ul style="list-style-type: none"> <li>Vaimim chinna tur atan lei kan let phut darh anga.</li> <li>Hei hian a rawn to chhuah na tur atan a pui dawn a ni.</li> <li>A chi chu kan lei leh saah chuan kan dah ang.</li> <li>A chi chu Thiram @4 g/kg seed hian ak sawngbawl hmasa anga.</li> <li>20-25 kg/ha vel a chi thlak hi a tawk vel viau ani.</li> <li>A chi tuh hma in lei leh FYM @5-10 t/ha leh 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> leh</li> </ul>                                                                                                                                                                                                                                                                                   |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                                                                         |                                 |                     |                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------|---------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                         |                                 |                     | K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.                                                                                                                                                                                |
| <b>Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow</b> | <b>All stage</b>                | <b>Zero tillage</b> | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>                                                                                                                            |
| <b>Potato</b>                                                                           | <b>Sowing stage</b>             |                     | <ul style="list-style-type: none"> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul> |
| <b>VEGETABLE CROP</b>                                                                   |                                 |                     |                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Tomato</b>                                                                           | <b>Bacterial Blight disease</b> |                     | <ul style="list-style-type: none"> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>                                                      |
| <b>Early Cole crop</b>                                                                  | <b>Black spot disease</b>       |                     | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>                                                                                                   |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                           |                      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|----------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                      |                            | <p>awm thin a , hei hi natna tlanglawn ber ani.</p> <ul style="list-style-type: none"> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>                                                                                                                                                                                                           |
| <b>Onion and capsicum</b> | <b>Nursery stage</b> | <b>Poly house</b>          | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>                                                                            |
|                           |                      | <b>Phytophthora blight</b> | <ul style="list-style-type: none"> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>                                                                                                                     |
| <b>French bean</b>        | <b>Sowing stage</b>  |                            | <ul style="list-style-type: none"> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>                                                                                                                                                                  |
| <b>Carrot and radish</b>  | <b>Sowing stage</b>  |                            | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul> |

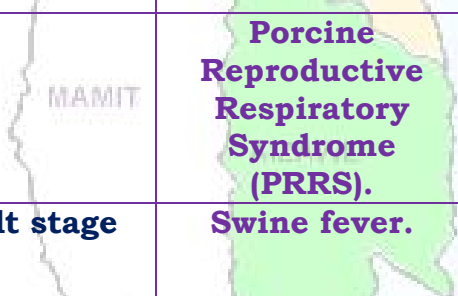
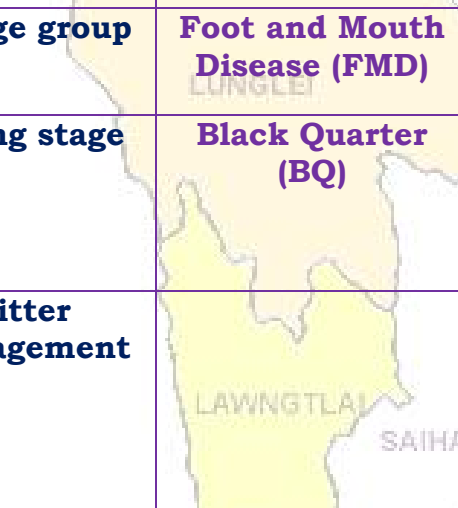


# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| ANIMAL HUSBANDRY |                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pig</b>       | <b>All stages</b>        |    | <ul style="list-style-type: none"> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani..</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul> |
|                  |                          |   | 1. Vawknote emaw vawk lak hran.                                                                                                                                                                                                                                                                                                                                                     |
|                  | <b>Adult stage</b>       | <b>Swine fever.</b>                                                                 | 2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhonzawm tur ani.                                                                                                                                                                                                                                                                          |
| <b>Cattle</b>    | <b>All age group</b>     |  | <ul style="list-style-type: none"> <li>Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.</li> </ul>                                                                                                                                     |
|                  | <b>All age group</b>     | <b>Foot and Mouth Disease (FMD)</b>                                                 | <ul style="list-style-type: none"> <li>Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhonzawm tur ani.</li> </ul>                                                                                                                                                                                                                                                   |
|                  | <b>Young stage</b>       | <b>Black Quarter (BQ)</b>                                                           | <ul style="list-style-type: none"> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>                                                                                                                                                                        |
| <b>Poultry</b>   | <b>Litter management</b> |  | <ul style="list-style-type: none"> <li>Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.</li> <li>An hriselna atan enkawltha tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.</li> </ul>                                                                                                  |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                |                                        |                                            |                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>                                                                                                                                                   |
|                | <b>Preventive measures</b>             | <b>0-3<sup>rd</sup> week</b>               | <ul style="list-style-type: none"> <li><b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>                                                                                                                                                  |
|                |                                        | <b>4<sup>th</sup> weeks</b>                | <ul style="list-style-type: none"> <li><b>Coccidiosis-</b> Amprolium or coccidiostat</li> </ul>                                                                                                                                                                                                                                                                               |
|                |                                        | <b>4-5<sup>th</sup> Weeks</b>              | <ul style="list-style-type: none"> <li>Calcium tonic fortified with B<sub>12</sub></li> </ul>                                                                                                                                                                                                                                                                                 |
| <b>FISHERY</b> |                                        |                                            |                                                                                                                                                                                                                                                                                                                                                                               |
|                | <b>Pond preparation (Dil buatsaih)</b> | <b>3<sup>rd</sup>-4<sup>th</sup> weeks</b> | <ul style="list-style-type: none"> <li>Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.</li> </ul>                                                                                                                                                                                                                                          |
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Bawngkek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngkek kumkhat a kan mamawh zat hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani.</li> <li>Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.</li> </ul> |
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani.</li> <li>Tui nut zawng tehma transparency pawh 30-40 cm vel ani tur ani.</li> </ul>                                      |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,  
Guwahati)



## Expert committee members:

|                                |   |                              |                                                                                          |
|--------------------------------|---|------------------------------|------------------------------------------------------------------------------------------|
| <b>Dr. S.B. Singh</b>          | : | Joint Director               | <a href="mailto:basantasinghsoibam@rediffmail.com">basantasinghsoibam@rediffmail.com</a> |
| <b>Dr. Saurav Saha</b>         | : | Scientist (Agril. Physics)   | <a href="mailto:sauravs.saha@gmail.com">sauravs.saha@gmail.com</a>                       |
| <b>Dr. T. Boopathi</b>         | : | Scientist (Agril Entomology) | <a href="mailto:boopathiars@gmail.com">boopathiars@gmail.com</a>                         |
| <b>Dr. A. Ratankumar Singh</b> | : | Scientist (Plant Pathology)  | <a href="mailto:ratantplantpatho@gmail.com">ratantplantpatho@gmail.com</a>               |
| <b>Dr. Lungmuana</b>           | : | Scientist (Soil Fertility)   | <a href="mailto:lmsingson@gmail.com">lmsingson@gmail.com</a>                             |
| <b>Mr. P.L. Lalrinsanga</b>    | : | Scientist (Aquaculture)      | <a href="mailto:viensky2@gmail.com">viensky2@gmail.com</a>                               |
| <b>Dr. Dr. V. Dayal</b>        | : | Scientist (Horticulture)     | <a href="mailto:Vishambhai5009@gmail.com">Vishambhai5009@gmail.com</a>                   |
| <b>Dr. Samuel Lalliansanga</b> | : | Head & Sr. Scientist         | <a href="mailto:samuelpachua10@gmail.com">samuelpachua10@gmail.com</a>                   |
| <b>Mr. Samik Chowdhury</b>     | : | Technical Officer            | <a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>               |
| <b>Mr. Diktea chenkual</b>     | : | Project Assistant            | <a href="mailto:dikteachenkualboy@gmail.com">dikteachenkualboy@gmail.com</a>             |

## Collaborating Department:

| Name of the KVK       | Programme Coordinator<br>Name and Designation           | KVK Email Id                                                                                                                             | Phone no/<br>Mobile no   |
|-----------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>KVK Lunglei</b>    | <b>Dr. Lalmuanzovi</b><br>Head & Sr. Scientist          | <a href="mailto:kvkhnahthial@gmail.com">kvkhnahthial@gmail.com</a>                                                                       | 9862803750<br>9436154614 |
| <b>KVK, Kolasib</b>   | <b>Mr. Lalrosamga Khiangte</b><br>Head & Sr. Scientist  | <a href="mailto:kvkkolasib@gmail.com">kvkkolasib@gmail.com</a>                                                                           | 9436152440               |
| <b>KVK, Serchhip</b>  | <b>Mr. K. Laltlanmawia</b><br>Head & Sr. Scientist      | <a href="mailto:kvkserchhip@gmail.com">kvkserchhip@gmail.com</a>                                                                         | 9436146115<br>9615389293 |
| <b>KVK, Champhai</b>  | <b>Mrs. Lalrinawmi Renthlei</b><br>Head & Sr. Scientist | <a href="mailto:kvkchawzawl@gmail.com">kvkchawzawl@gmail.com</a>                                                                         | 9436159788               |
| <b>KVK, Lawngtlai</b> | <b>Dr. Michel Lallawmkimi</b><br>Head & Sr. Scientist   | <a href="mailto:kvklawntlai@gmail.com">kvklawntlai@gmail.com</a>                                                                         | 9436155858               |
| <b>KVK, Saiha</b>     | <b>Dr. Vanlalhruaia Hnampe</b><br>Head & Sr. Scientist  | <a href="mailto:kvksaiha@gmail.com">kvksaiha@gmail.com</a>                                                                               | 8974656509               |
| <b>KVK, Mamit</b>     | <b>Dr. Samuel Lalliansanga</b><br>Head & Sr. Scientist  | <a href="mailto:kvkmamit@gmail.com">kvkmamit@gmail.com</a>                                                                               | 9436147625               |
| <b>KVK, Aizawl</b>    | <b>Dr. K. P. Chaudhary</b><br>Head & Sr. Scientist      | <a href="mailto:Kpchy@rediffmail.com">Kpchy@rediffmail.com</a><br><a href="mailto:kvkaizawl@rediffmail.com">kvkaizawl@rediffmail.com</a> | 9436351669               |



**GRAMIN KRISHI MAUSAM SEWA**  
**ICAR RESEARCH COMPLEX FOR NEH REGION**  
 Mizoram Centre, Kolasib- 796081, MIZORAM  
*(Prepared based on District wise Weather Forecast received from IMD, Guwahati)*



**District:** Champhai

**Period:** 03 June – 07 June, 2017

**Bulletin No:** - 706/2017/ Bulletin/English

**Date of issue:** 02<sup>nd</sup> June, 2017

| Parameters               | 03.06.2017      | 04.06.2017   | 05.06.2017      | 06.06.2017   | 07.06.2017      |
|--------------------------|-----------------|--------------|-----------------|--------------|-----------------|
| <b>Rainfall (mm)</b>     | 19              | 9            | 10              | 11           | 9               |
| <b>Max Temp (°C)</b>     | 28              | 28           | 29              | 29           | 30              |
| <b>Min Temp (°C)</b>     | 20              | 20           | 21              | 21           | 21              |
| <b>Cloud Coverage</b>    | Partially clear | Mainly clear | Partially clear | Mainly clear | Partially clear |
| <b>Max RH (%)</b>        | 96              | 95           | 96              | 96           | 96              |
| <b>Min RH (%)</b>        | 66              | 60           | 59              | 62           | 58              |
| <b>Wind Speed (Kmph)</b> | 4               | 4            | 4               | 2            | 2               |
| <b>*Wind Direction</b>   | S               | S            | S               | S            | S-E             |

**Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E,  
 Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.**

**STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)**

|                                        |                                         |                                      |                                        |
|----------------------------------------|-----------------------------------------|--------------------------------------|----------------------------------------|
| <b>Aizawl- 384.87mm</b><br>(430.2mm)   | <b>Champhai- 105.48mm</b><br>(359.89mm) | <b>Saiha- 307.40 mm</b><br>(507.7mm) | <b>Kolasib- 236.00mm</b><br>(428.1mm)  |
| <b>Lawngtlai-291.20mm</b><br>(453.1mm) | <b>Lunglei-326.00mm</b><br>(465.14mm)   | <b>Mamit-204.87mm</b><br>(442.80mm)  | <b>Serchhip-411.72mm</b><br>(259.62mm) |

**Weather summary of the past three days**

**Maximum Tem. (°C):25-26°C**  
**Minimum Tem. (°C):15-17°C**  
**Maximum RH (%):98-99%**  
**Minimum RH (%):81-97%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Mainly cloudy**  
**Wind Speed: 2-4 km/hr**

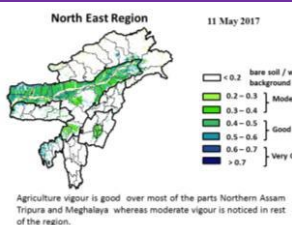
**Rainfall: 167.0 mm**

**Weather forecast valid from 03<sup>rd</sup> June, 2017 To 07<sup>th</sup> June, 2017.**

There are chances of moderate to heavy rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 28-30°C and 20-21°C. Maximum relative humidity is expected in the range of 95-96% and minimum may from 58-66%. Wind direction would be southerly to southeasterly with the wind speed of 2-4 km per hour. Partially clear sky will prevail during the next five days.

**Weekly cumulative rainfall: 58.0 mm**

**NDVI for Mizoram**



Moderately wet mildly dry/mildly wet conditions



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| Main Crop / Animal / Fisheries      | Stage                               | Cultural practices/ Pest/ Diseases                                                       | Agricultural / Horticultural/ animal husbandry advisories                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRUITS CROPS</b>                 |                                     |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>KHASI MANDARIN AND ACID LIME</b> | <b>Seedling transplanting stage</b> |                                                                                          | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintain in the field.</li> </ul>                                                                                                                                                                         |
| <b>BANANA</b>                       |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Medium to young seedling should be support by bamboo stake.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>STAR FRUIT</b>                   |                                     |                                                                                          | <ul style="list-style-type: none"> <li>In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants.</li> </ul>                                                                                                                                                                                                                      |
| <b>PLUM AND PEACH</b>               |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                     |
|                                     |                                     | <b>Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor</b> | <ul style="list-style-type: none"> <li><b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lit of water.</li> <li><b>Leaf minor-</b> Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.</li> <li><b>Citrus Canker-</b> Apply bacterimycin @0.6 g/lit of water.</li> </ul>                                                                                         |
| <b>Passion Fruit</b>                | <b>Vegetative stage</b>             |                                                                                          | <ul style="list-style-type: none"> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> </ul> |
|                                     |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0</li> </ul>                                                                                                                                                                                                                                                          |
|                                     |                                     | <b>Aphid</b>                                                                             |                                                                                                                                                                                                                                                                                                                                                                                           |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                        |                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pineapple</b>       | <b>Flowering stage</b>  |  | <p>g or dimethoate 2 ml/lit of water.</p> <ul style="list-style-type: none"> <li>Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves.</li> <li>The flowering emergence will come out after 55-60 days after chemical spraying.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Remove all unwanted leaves, branches and weed near to the plant.</li> </ul>                                                                        |
| <b>PLANTATION CROP</b> |                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>COFFEE</b>          | <b>Vegetative stage</b> |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul> |
| <b>Rubber</b>          | <b>Nursery stage</b>    |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintain in</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                |                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|----------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                            |  | <p>the field.</p> <ul style="list-style-type: none"> <li>Medium to young seedling should be support by bamboo stake.</li> <li>In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants.</li> <li>Make fire line to protect the young tree and seedlings.</li> <li>10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> </ul>                                                                             |
| <b>CEREALS AND PULSE CROPS</b> |                            |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pre Kharif Rice</b>         | <b>Transplanting stage</b> |  | <ul style="list-style-type: none"> <li>Water level shall be maintained for better transplant.</li> <li>Plough the field two to three times.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Transplant 2-3 seedlings in one place for avoid gap filling.</li> <li>Spacing should be 20 cm row to row and 15 cm plant to plant.</li> <li>Keep some seedlings in nursery or corner of the field for gap filling.</li> </ul> |
| <b>Jhum Rice</b>               | <b>Germination stage</b>   |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>Maize (Jhum)</b>            | <b>Vegetative stage</b>    |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                                                                                                                                                                                                                             |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| VEGETABLE CROP             |                         |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|-------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cowpea</b>              | <b>Vegetative stage</b> | KOLASIB                | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> </ul>                                                                                           |
| <b>Okra</b>                | <b>Vegetative stage</b> | MAMIT<br>AIZAWL        | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> </ul>                                                                                           |
|                            |                         | <b>Okra leafroller</b> | <ul style="list-style-type: none"> <li>Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lit of water.</li> </ul>                                                                                                                                                                                                                                                                                                          |
| <b>Ginger and turmeric</b> | <b>Sowing stage</b>     | LUNGLEI                | <ul style="list-style-type: none"> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul> |
| <b>Colocasia</b>           | <b>Sowing stage</b>     | LAWNGTLAI<br>SAIHA     | <ul style="list-style-type: none"> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and</li> </ul>                                                                                                                                                                         |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                         |                            |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         |                            |                                                                              | MOP @ 220: 375: 134 kg.                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ANIMAL HUSBANDRY</b> |                            |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Pig</b>              | <b>All stages</b>          | KOLASIB                                                                      | <ul style="list-style-type: none"> <li>As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm.</li> <li>Regularly monitor their level of 'fitness' and increase their feed intake to maintain.</li> <li>Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.</li> </ul>                                |
|                         |                            | MAMIT<br>CHAMPAI<br><b>Porcine Reproductive Respiratory Syndrome (PRRS).</b> | 1. Culling of positive pigs or piglets.                                                                                                                                                                                                                                                                                                                                                                                  |
|                         | <b>Adult stage</b>         | <b>Swine fever.</b>                                                          | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval                                                                                                                                                                                                                                                                                                                                 |
| <b>Cattle</b>           | <b>All age group</b>       | SERCHHIP                                                                     | <ul style="list-style-type: none"> <li>During either hot or heavy rainy condition, animal are advised to keep under shade.</li> <li>Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter, Foot Mouth Disease, Duck Plague.</li> </ul>                                                                                                                            |
| <b>Poultry</b>          | <b>Litter management</b>   | LUNGLEI                                                                      | <ul style="list-style-type: none"> <li>Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water.</li> <li>Good management and sanitation are the best ways to avoid infectious disease in poultry.</li> <li>Provide ample quantity of clean drinking water.</li> <li>Avoid feeding of mouldy feed. Don't make sudden changes in feed</li> </ul> |
|                         | <b>Preventive measures</b> | LAWNGTLAI<br>0-3 <sup>rd</sup> week                                          | <ul style="list-style-type: none"> <li><b>Ranikhet Disease-</b> F1 vaccine at (1-6) days of birth and R<sub>2</sub>B vaccine for adult birds.</li> <li>B complex with antibodies</li> </ul>                                                                                                                                                                                                                              |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                |                         |                                                   |                                                                                                                                                                                                                                                                                       |
|----------------|-------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                         | 4 <sup>th</sup> weeks                             |  <b>Coccidiosis-</b> Amprolium or coccidiostat                                                                                                                                                       |
|                |                         | 4-5 <sup>th</sup> Weeks                           |  Calcium tonic fortified with B <sub>12</sub>                                                                                                                                                        |
| <b>FISHERY</b> |                         |                                                   |                                                                                                                                                                                                                                                                                       |
|                | <b>Pond preparation</b> | 3 <sup>rd</sup> -4 <sup>th</sup> weeks<br>KOLASIB |  Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.                                                                                      |
|                |                         | MAMIT                                             |  Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/year. One third of the total dose should be applied initially and the rest may be applied in a spilt doses.                   |
|                |                         | AIZAWL                                            |  Single super phosphate should also be applied at the rate of 250 kg/ha in the pond.                                                                                                                 |
|                |                         | SERCHHIP                                          |  After one week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development. |
|                |                         | LUNGLEI                                           |  Transparency of the water needs to be maintained at 30-40 cm.                                                                                                                                     |
|                |                         | LAWNGTLAI                                         |                                                                                                                                                                                                                                                                                       |
|                |                         | SAIHA                                             |                                                                                                                                                                                                                                                                                       |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,  
Guwahati)



## Expert committee members:

|                                |   |                              |                                                                                          |
|--------------------------------|---|------------------------------|------------------------------------------------------------------------------------------|
| <b>Dr. S.B. Singh</b>          | : | Joint Director               | <a href="mailto:basantasinghsoibam@rediffmail.com">basantasinghsoibam@rediffmail.com</a> |
| <b>Dr. Saurav Saha</b>         | : | Scientist (Agril. Physics)   | <a href="mailto:sauravs.saha@gmail.com">sauravs.saha@gmail.com</a>                       |
| <b>Dr. T. Boopathi</b>         | : | Scientist (Agril Entomology) | <a href="mailto:boopathiars@gmail.com">boopathiars@gmail.com</a>                         |
| <b>Dr. A. Ratankumar Singh</b> | : | Scientist (Plant Pathology)  | <a href="mailto:ratantplantpatho@gmail.com">ratantplantpatho@gmail.com</a>               |
| <b>Dr. Lungmuana</b>           | : | Scientist (Soil Fertility)   | <a href="mailto:lmsingson@gmail.com">lmsingson@gmail.com</a>                             |
| <b>Mr. P.L. Lalrinsanga</b>    | : | Scientist (Aquaculture)      | <a href="mailto:viensky2@gmail.com">viensky2@gmail.com</a>                               |
| <b>Dr. Dr. V. Dayal</b>        | : | Scientist (Horticulture)     | <a href="mailto:Vishambhai5009@gmail.com">Vishambhai5009@gmail.com</a>                   |
| <b>Dr. Samuel Lalliansanga</b> | : | Head & Sr. Scientist         | <a href="mailto:samuelpachua10@gmail.com">samuelpachua10@gmail.com</a>                   |
| <b>Mr. Samik Chowdhury</b>     | : | Technical Officer            | <a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>               |
| <b>Mr. Diktea chenkuai</b>     | : | Project Assistant            | <a href="mailto:dikteachenkuaiboy@gmail.com">dikteachenkuaiboy@gmail.com</a>             |

## Collaborating Department:

| Name of the KVK       | Programme Coordinator Name and Designation              | KVK Email Id                                                                                                                             | Phone no/<br>Mobile no   |
|-----------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>KVK Lunglei</b>    | <b>Dr. Lalmuanzovi</b><br>Head & Sr. Scientist          | <a href="mailto:kvkhnahthial@gmail.com">kvkhnahthial@gmail.com</a>                                                                       | 9862803750<br>9436154614 |
| <b>KVK, Kolasib</b>   | <b>Mr. Lalrosamga Khiangte</b><br>Head & Sr. Scientist  | <a href="mailto:kvkkolasib@gmail.com">kvkkolasib@gmail.com</a>                                                                           | 9436152440               |
| <b>KVK, Serchhip</b>  | <b>Mr. K. Laltlanmawia</b><br>Head & Sr. Scientist      | <a href="mailto:kvkserchhip@gmail.com">kvkserchhip@gmail.com</a>                                                                         | 9436146115<br>9615389293 |
| <b>KVK, Champhai</b>  | <b>Mrs. Lalrinawmi Renthlei</b><br>Head & Sr. Scientist | <a href="mailto:kvkchawzawl@gmail.com">kvkchawzawl@gmail.com</a>                                                                         | 9436159788               |
| <b>KVK, Lawngtlai</b> | <b>Dr. Michel Lallawmkimi</b><br>Head & Sr. Scientist   | <a href="mailto:kvklawntlai@gmail.com">kvklawntlai@gmail.com</a>                                                                         | 9436155858               |
| <b>KVK, Saiha</b>     | <b>Dr. Vanlalhraia Hnampe</b><br>Head & Sr. Scientist   | <a href="mailto:kvksaiha@gmail.com">kvksaiha@gmail.com</a>                                                                               | 8974656509               |
| <b>KVK, Mamit</b>     | <b>Dr. Samuel Lalliansanga</b><br>Head & Sr. Scientist  | <a href="mailto:kvkmamit@gmail.com">kvkmamit@gmail.com</a>                                                                               | 9436147625               |
| <b>KVK, Aizawl</b>    | <b>Dr. K. P. Chaudhary</b><br>Head & Sr. Scientist      | <a href="mailto:Kpchy@rediffmail.com">Kpchy@rediffmail.com</a><br><a href="mailto:kvkaizawl@rediffmail.com">kvkaizawl@rediffmail.com</a> | 9436351669               |



**GRAMIN KRISHI MAUSAM SEWA**  
**ICAR RESEARCH COMPLEX FOR NEH REGION**  
 Mizoram Centre, Kolasib- 796081, MIZORAM  
*(Prepared based on District wise Weather Forecast received from IMD, Guwahati)*



**District:** Champhai

**Period:** 03 June – 07 June, 2017

**Bulletin No:** - 706/2017/ Bulletin/Mizo

**Date of issue:** 02<sup>nd</sup> June, 2017

| Parameters               | 03.06.2017      | 04.06.2017   | 05.06.2017      | 06.06.2017   | 07.06.2017      |
|--------------------------|-----------------|--------------|-----------------|--------------|-----------------|
| <b>Rainfall (mm)</b>     | 19              | 9            | 10              | 11           | 9               |
| <b>Max Temp (°C)</b>     | 28              | 28           | 29              | 29           | 30              |
| <b>Min Temp (°C)</b>     | 20              | 20           | 21              | 21           | 21              |
| <b>Cloud Coverage</b>    | Partially clear | Mainly clear | Partially clear | Mainly clear | Partially clear |
| <b>Max RH (%)</b>        | 96              | 95           | 96              | 96           | 96              |
| <b>Min RH (%)</b>        | 66              | 60           | 59              | 62           | 58              |
| <b>Wind Speed (Kmph)</b> | 4               | 4            | 4               | 2            | 2               |
| <b>*Wind Direction</b>   | S               | S            | S               | S            | S-E             |

**Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E,  
 Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.**

**STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)**

|                                        |                                         |                                      |                                        |
|----------------------------------------|-----------------------------------------|--------------------------------------|----------------------------------------|
| <b>Aizawl- 384.87mm</b><br>(430.2mm)   | <b>Champhai- 105.48mm</b><br>(359.89mm) | <b>Saiha- 307.40 mm</b><br>(507.7mm) | <b>Kolasib- 236.00mm</b><br>(428.1mm)  |
| <b>Lawngtlai-291.20mm</b><br>(453.1mm) | <b>Lunglei-326.00mm</b><br>(465.14mm)   | <b>Mamit-204.87mm</b><br>(442.80mm)  | <b>Serchhip-411.72mm</b><br>(259.62mm) |

**Weather summary of the past three days**

**03<sup>rd</sup> June– 07<sup>th</sup> June, 2017 chhunga sik leh sa  
 dinhmun tur tlangpui**

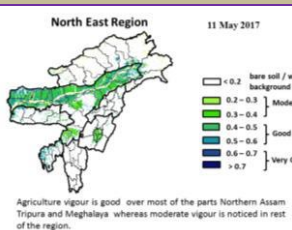
**Maximum Tem. (°C):25-26°C**  
**Minimum Tem. (°C):15-17°C**  
**Maximum RH (%):98-99%**  
**Minimum RH (%):81-97%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Mainly cloudy**  
**Wind Speed: 2-4 km/hr**

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 28-30°C a ni ang a. A vawh lai ber in 20-21°C ni tura beisei a ni. RH san lai berin 95-96% leh a hniam lai berin 58-66% ni tur a rin niin. Thli hi darkar khatah 2-4 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chung hian khawthiang tak hmuh beisei a ni.

**Rainfall: 167.0 mm**

**Weekly cumulative rainfall: 58.0mm**

**NDVI for Mizoram**



Moderately wet mildly dry/mildly wet conditions



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| Main Crop / Animal / Fisheries      | Stage                          | Cultural practices/ Pest/ Diseases                          | Agricultural / Horticultural/ animal husbandry advisories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------|--------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRUITS CROPS</b>                 |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>KHASI MANDARIN AND ACID LIME</b> | <b>A kui atanga a seng hun</b> |                                                             | <ul style="list-style-type: none"> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Leia tha mamawh tawh a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.</li> </ul>                                                    |
| <b>BANANA</b>                       |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>STAR FRUIT</b>                   |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>PLUM AND PEACH</b>               |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                     |                                | <b>Gummosis, citrus canker, citrus greening and Dieback</b> | <ul style="list-style-type: none"> <li>Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                     |
|                                     |                                | <b>Fruit fly</b>                                            | <ul style="list-style-type: none"> <li>Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>PLANTATION CROP</b>              |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>COFFEE</b>                       | <b>All stages</b>              |                                                             | <b>Nursery stage</b> <ul style="list-style-type: none"> <li>Thlai chi thlak hma in <i>Azospirillum</i> leh <i>Phosphobacterium</i> a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hlih tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul> |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                |                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------|-------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                   |                                  | <b>Harvesting Stage</b> <ul style="list-style-type: none"> <li>Coffe rah hmin hi thlasik lain an seng thin a ni.</li> <li>A rah hmin tha lo ho chu nuai sawm hmain an thliar hrang leh vek thin ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                |                   | <p><b>Coffee Berry borer</b></p> | <ul style="list-style-type: none"> <li>A hun takah leh fimkhur taka seng tur ani.</li> <li>Hmaih neih nuaih loh tur ani.</li> <li>Sneg hmaih te lakkhawma paih vek tur ani.</li> <li>Seng bang zawng zawng chu uluka taka paih fai vek tur ani.</li> <li>A thlai vennan a rah tlai ho chu paih vek tur ani.</li> <li>Hmun dam lutukah dah loh tur.</li> <li>Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.</li> <li>Chuan hei hian kah tur ani. Quinalphos 25 EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit.</li> <li>In leh loa sawngbawln a a ro dan tur tawkah chuan: Arabica / robusta parchment 10 %, Arabica cherry 10.5 % leh robusta cherry 11.0 %.</li> </ul> |
|                                |                   | <p><b>Coffee Rust</b></p>        | <ul style="list-style-type: none"> <li>Natna hrik in a khawih tawh a hnah leh a dang te paihpaih vek tur ani.</li> <li>Bordeaux mixture 0.5% in February - March (Pre-bloom) a kah phawt a, Oxycarboxin 0.03% in May - June (Pre-monsoon) ah kah chhunzawm tur ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>CEREALS AND PULSE CROPS</b> |                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Rabi Maize</b>              | <b>A chin hun</b> |                                  | <ul style="list-style-type: none"> <li>Vaimim chinna tur atan lei kan let phut darh anga.</li> <li>Hei hian a rawn to chhuah na tur atan a pui dawn a ni.</li> <li>A chi chu kan lei leh saah chuan kan dah ang.</li> <li>A chi chu Thiram @4 g/kg seed hian ak sawngbawl hmasa anga.</li> <li>20-25 kg/ha vel a chi thlak hi a tawk vel viau ani.</li> <li>A chi tuh hma in lei leh FYM @5-10 t/ha leh 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> leh</li> </ul>                                                                                                                                                                                                                                                                                    |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                                                                         |                                 |                     |                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------------------------------------------------------|---------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                         |                                 |                     | K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.                                                                                                                                                                               |
| <b>Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow</b> | <b>All stage</b>                | <b>Zero tillage</b> | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>                                                                                                                           |
| <b>Potato</b>                                                                           | <b>Sowing stage</b>             |                     | <ul style="list-style-type: none"> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun lain natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul> |
| <b>VEGETABLE CROP</b>                                                                   |                                 |                     |                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Tomato</b>                                                                           | <b>Bacterial Blight disease</b> |                     | <ul style="list-style-type: none"> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>                                                     |
| <b>Early Cole crop</b>                                                                  | <b>Black spot disease</b>       |                     | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>                                                                                                  |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                           |                      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|----------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                      |                            | <p>awm thin a , hei hi natna tlanglawn ber ani.</p> <ul style="list-style-type: none"> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>                                                                                                                                                                                                           |
| <b>Onion and capsicum</b> | <b>Nursery stage</b> | <b>Poly house</b>          | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>                                                                            |
|                           |                      | <b>Phytophthora blight</b> | <ul style="list-style-type: none"> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>                                                                                                                     |
| <b>French bean</b>        | <b>Sowing stage</b>  |                            | <ul style="list-style-type: none"> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>                                                                                                                                                                  |
| <b>Carrot and radish</b>  | <b>Sowing stage</b>  |                            | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul> |

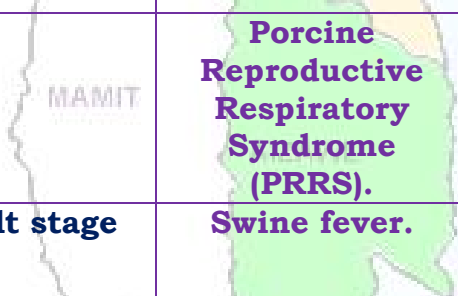
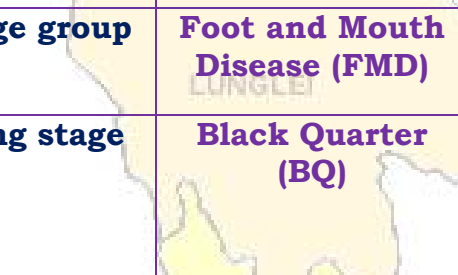
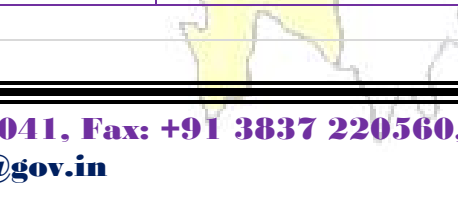


# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| ANIMAL HUSBANDRY |                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pig</b>       | <b>All stages</b>        |    | <ul style="list-style-type: none"> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani..</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul> |
|                  |                          |   | <p><b>Porcine Reproductive Respiratory Syndrome (PRRS).</b></p> <p>1. Vawknote emaw vawk lak hran.</p>                                                                                                                                                                                                                                                                              |
|                  | <b>Adult stage</b>       |  | <p><b>Swine fever.</b></p> <p>2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhonzawm tur ani.</p>                                                                                                                                                                                                                                        |
| <b>Cattle</b>    | <b>All age group</b>     |  | <ul style="list-style-type: none"> <li>Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.</li> </ul>                                                                                                                                     |
|                  | <b>All age group</b>     |  | <ul style="list-style-type: none"> <li>Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhonzawm tur ani.</li> </ul>                                                                                                                                                                                                                                                   |
|                  | <b>Young stage</b>       |  | <ul style="list-style-type: none"> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>                                                                                                                                                                        |
| <b>Poultry</b>   | <b>Litter management</b> |  | <ul style="list-style-type: none"> <li>Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.</li> <li>An hriselna atan enkawltha tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.</li> </ul>                                                                                                  |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                |                                        |                                            |                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>                                                                                                                                                   |
|                | <b>Preventive measures</b>             | <b>0-3<sup>rd</sup> week</b>               | <ul style="list-style-type: none"> <li><b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>                                                                                                                                                  |
|                |                                        | <b>4<sup>th</sup> weeks</b>                | <ul style="list-style-type: none"> <li><b>Coccidiosis-</b> Amprolium or coccidiostat</li> </ul>                                                                                                                                                                                                                                                                               |
|                |                                        | <b>4-5<sup>th</sup> Weeks</b>              | <ul style="list-style-type: none"> <li>Calcium tonic fortified with B<sub>12</sub></li> </ul>                                                                                                                                                                                                                                                                                 |
| <b>FISHERY</b> |                                        |                                            |                                                                                                                                                                                                                                                                                                                                                                               |
|                | <b>Pond preparation (Dil buatsaih)</b> | <b>3<sup>rd</sup>-4<sup>th</sup> weeks</b> | <ul style="list-style-type: none"> <li>Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.</li> </ul>                                                                                                                                                                                                                                          |
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Bawngkek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngkek kumkhat a kan mamawh zat hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani.</li> <li>Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.</li> </ul> |
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani.</li> <li>Tui nut zawng tehma transparency pawh 30-40 cm vel ani tur ani.</li> </ul>                                      |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,  
Guwahati)



## Expert committee members:

|                                |   |                              |                                                                                          |
|--------------------------------|---|------------------------------|------------------------------------------------------------------------------------------|
| <b>Dr. S.B. Singh</b>          | : | Joint Director               | <a href="mailto:basantasinghsoibam@rediffmail.com">basantasinghsoibam@rediffmail.com</a> |
| <b>Dr. Saurav Saha</b>         | : | Scientist (Agril. Physics)   | <a href="mailto:sauravs.saha@gmail.com">sauravs.saha@gmail.com</a>                       |
| <b>Dr. T. Boopathi</b>         | : | Scientist (Agril Entomology) | <a href="mailto:boopathiars@gmail.com">boopathiars@gmail.com</a>                         |
| <b>Dr. A. Ratankumar Singh</b> | : | Scientist (Plant Pathology)  | <a href="mailto:ratantplantpatho@gmail.com">ratantplantpatho@gmail.com</a>               |
| <b>Dr. Lungmuana</b>           | : | Scientist (Soil Fertility)   | <a href="mailto:lmsingson@gmail.com">lmsingson@gmail.com</a>                             |
| <b>Mr. P.L. Lalrinsanga</b>    | : | Scientist (Aquaculture)      | <a href="mailto:viensky2@gmail.com">viensky2@gmail.com</a>                               |
| <b>Dr. Dr. V. Dayal</b>        | : | Scientist (Horticulture)     | <a href="mailto:Vishambhai5009@gmail.com">Vishambhai5009@gmail.com</a>                   |
| <b>Dr. Samuel Lalliansanga</b> | : | Head & Sr. Scientist         | <a href="mailto:samuelpachua10@gmail.com">samuelpachua10@gmail.com</a>                   |
| <b>Mr. Samik Chowdhury</b>     | : | Technical Officer            | <a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>               |
| <b>Mr. Diktea chenkuai</b>     | : | Project Assistant            | <a href="mailto:dikteachenkuaiboy@gmail.com">dikteachenkuaiboy@gmail.com</a>             |

## Collaborating Department:

| Name of the KVK       | Programme Coordinator Name and Designation              | KVK Email Id                                                                                                                             | Phone no/<br>Mobile no   |
|-----------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>KVK Lunglei</b>    | <b>Dr. Lalmuanzovi</b><br>Head & Sr. Scientist          | <a href="mailto:kvknhathial@gmail.com">kvknhathial@gmail.com</a>                                                                         | 9862803750<br>9436154614 |
| <b>KVK, Kolasib</b>   | <b>Mr. Lalrosamga Khiangte</b><br>Head & Sr. Scientist  | <a href="mailto:kvkkolasib@gmail.com">kvkkolasib@gmail.com</a>                                                                           | 9436152440               |
| <b>KVK, Serchhip</b>  | <b>Mr. K. Laltlanmawia</b><br>Head & Sr. Scientist      | <a href="mailto:kvkserchhip@gmail.com">kvkserchhip@gmail.com</a>                                                                         | 9436146115<br>9615389293 |
| <b>KVK, Champhai</b>  | <b>Mrs. Lalrinawmi Renthlei</b><br>Head & Sr. Scientist | <a href="mailto:kvkchawzawl@gmail.com">kvkchawzawl@gmail.com</a>                                                                         | 9436159788               |
| <b>KVK, Lawngtlai</b> | <b>Dr. Michel Lallawmkimi</b><br>Head & Sr. Scientist   | <a href="mailto:kvklawntlai@gmail.com">kvklawntlai@gmail.com</a>                                                                         | 9436155858               |
| <b>KVK, Saiha</b>     | <b>Dr. Vanlalhraia Hnampe</b><br>Head & Sr. Scientist   | <a href="mailto:kvksaiha@gmail.com">kvksaiha@gmail.com</a>                                                                               | 8974656509               |
| <b>KVK, Mamit</b>     | <b>Dr. Samuel Lalliansanga</b><br>Head & Sr. Scientist  | <a href="mailto:kvkmamit@gmail.com">kvkmamit@gmail.com</a>                                                                               | 9436147625               |
| <b>KVK, Aizawl</b>    | <b>Dr. K. P. Chaudhary</b><br>Head & Sr. Scientist      | <a href="mailto:Kpchy@rediffmail.com">Kpchy@rediffmail.com</a><br><a href="mailto:kvkaizawl@rediffmail.com">kvkaizawl@rediffmail.com</a> | 9436351669               |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



**District:** Kolasib

**Period:** 03 June – 07 June, 2017

**Bulletin No:** - 706/2017/ Bulletin/English

**Date of issue:** 02<sup>nd</sup> June, 2017

| Parameters               | 03.06.2017      | 04.06.2017   | 05.06.2017    | 06.06.2017   | 07.06.2017      |
|--------------------------|-----------------|--------------|---------------|--------------|-----------------|
| <b>Rainfall (mm)</b>     | 22              | 8            | 11            | 11           | 8               |
| <b>Max Temp (°C)</b>     | 27              | 28           | 28            | 30           | 30              |
| <b>Min Temp (°C)</b>     | 21              | 21           | 21            | 22           | 22              |
| <b>Cloud Coverage</b>    | Partially clear | Mainly clear | Mainly cloudy | Mainly clear | Partially clear |
| <b>Max RH (%)</b>        | 98              | 99           | 99            | 99           | 99              |
| <b>Min RH (%)</b>        | 61              | 83           | 82            | 57           | 94              |
| <b>Wind Speed (Kmph)</b> | 7               | 3            | 4             | 4            | 6               |
| <b>*Wind Direction</b>   | S-E             | S-E          | S-E           | S-E          | E               |

**Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E, Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.**

**STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)**

|                                        |                                         |                                      |                                        |
|----------------------------------------|-----------------------------------------|--------------------------------------|----------------------------------------|
| <b>Aizawl- 384.87mm</b><br>(430.2mm)   | <b>Champhai- 105.48mm</b><br>(359.89mm) | <b>Saiha- 307.40 mm</b><br>(507.7mm) | <b>Kolasib- 236.00mm</b><br>(428.1mm)  |
| <b>Lawngtlai-291.20mm</b><br>(453.1mm) | <b>Lunglei-326.00mm</b><br>(465.14mm)   | <b>Mamit-204.87mm</b><br>(442.80mm)  | <b>Serchhip-411.72mm</b><br>(259.62mm) |

**Weather summary of the past three days**

**Maximum Tem. (°C):27-29°C**  
**Minimum Tem. (°C):18-21°C**  
**Maximum RH (%):95-99%**  
**Minimum RH (%):81-95%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Mainly cloudy**  
**Wind speed: 2-4 km/hr**

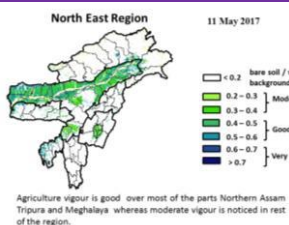
**Rainfall: 178.4 mm**

**Weather forecast valid from 03<sup>rd</sup> June, 2017 To 07<sup>th</sup> June, 2017.**

There are chances of moderate to light rainfall during the next 5 days. The maximum and minimum temperatures for the next 5 days may range for 27-30°C and 21-22°C. Maximum relative humidity is expected in the range of 98-99% and minimum may from 57-94%. Wind direction would be southeasterly with the wind speed of 3-7 km per hour. Mainly cloudy sky will prevail during the next five days.

**Weekly cumulative rainfall: 60.0 mm**

**NDVI for Mizoram**



Moderately wet mildly dry/mildly wet conditions

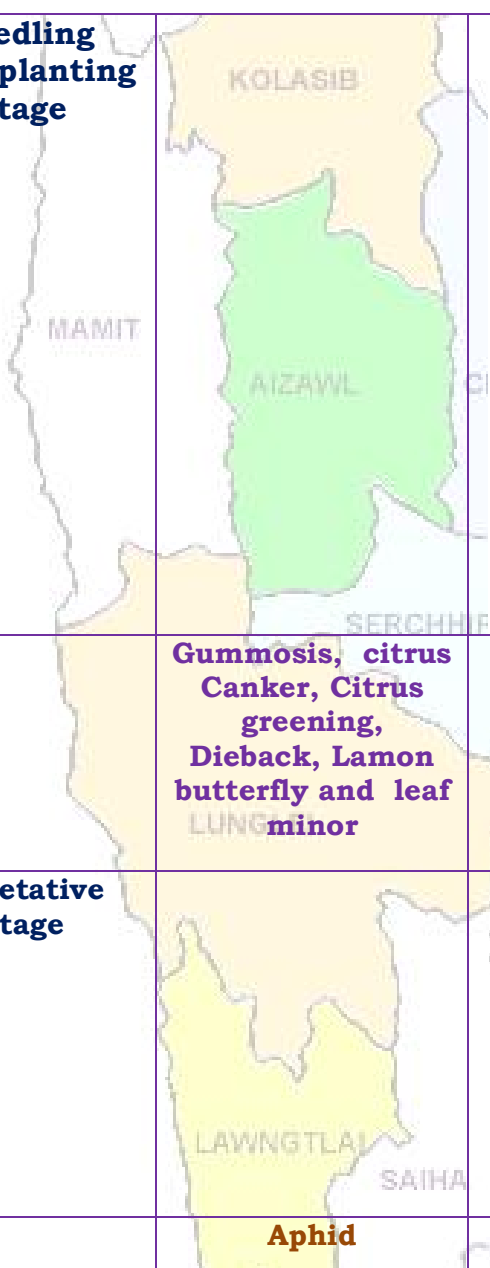
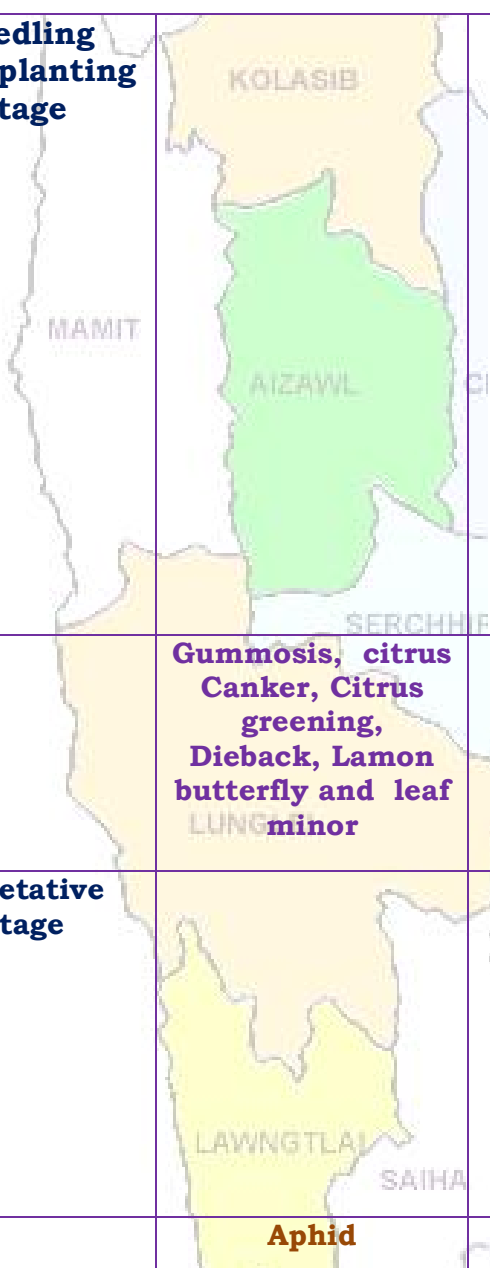


# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| Main Crop / Animal / Fisheries      | Stage                               | Cultural practices/ Pest/ Diseases                                                       | Agricultural / Horticultural/ animal husbandry advisories                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRUITS CROPS</b>                 |                                     |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>KHASI MANDARIN AND ACID LIME</b> | <b>Seedling transplanting stage</b> |        | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintain in the field.</li> </ul>                                                                                                                                                                         |
| <b>BANANA</b>                       |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Medium to young seedling should be support by bamboo stake.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>STAR FRUIT</b>                   |                                     |                                                                                          | <ul style="list-style-type: none"> <li>In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants.</li> </ul>                                                                                                                                                                                                                      |
| <b>PLUM AND PEACH</b>               |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                     |
|                                     |                                     | <b>Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor</b> | <ul style="list-style-type: none"> <li><b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lit of water.</li> <li><b>Leaf minor-</b> Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.</li> <li><b>Citrus Canker-</b> Apply bacterimycin @0.6 g/lit of water.</li> </ul>                                                                                         |
| <b>Passion Fruit</b>                | <b>Vegetative stage</b>             |        | <ul style="list-style-type: none"> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> </ul> |
|                                     |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0</li> </ul>                                                                                                                                                                                                                                                          |
|                                     |                                     | <b>Aphid</b>                                                                             |                                                                                                                                                                                                                                                                                                                                                                                           |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                        |                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pineapple</b>       | <b>Flowering stage</b>  |  | <p>g or dimethoate 2 ml/lit of water.</p> <ul style="list-style-type: none"> <li>Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves.</li> <li>The flowering emergence will come out after 55-60 days after chemical spraying.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Remove all unwanted leaves, branches and weed near to the plant.</li> </ul>                                                                        |
| <b>PLANTATION CROP</b> |                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>COFFEE</b>          | <b>Vegetative stage</b> |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul> |
| <b>Rubber</b>          | <b>Nursery stage</b>    |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintain in</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                |                            |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|----------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                            |    | <p>the field.</p> <ul style="list-style-type: none"> <li>Medium to young seedling should be support by bamboo stake.</li> <li>In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants.</li> <li>Make fire line to protect the young tree and seedlings.</li> <li>10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> </ul>                                                                             |
| <b>CEREALS AND PULSE CROPS</b> |                            |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pre Kharif Rice</b>         | <b>Transplanting stage</b> |   | <ul style="list-style-type: none"> <li>Water level shall be maintained for better transplant.</li> <li>Plough the field two to three times.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Transplant 2-3 seedlings in one place for avoid gap filling.</li> <li>Spacing should be 20 cm row to row and 15 cm plant to plant.</li> <li>Keep some seedlings in nursery or corner of the field for gap filling.</li> </ul> |
| <b>Jhum Rice</b>               | <b>Germination stage</b>   |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>Maize (Jhum)</b>            | <b>Vegetative stage</b>    |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                                                                                                                                                                                                                             |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| VEGETABLE CROP             |                         |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|-------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cowpea</b>              | <b>Vegetative stage</b> | KOLASIB                | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> </ul>                                                                                           |
| <b>Okra</b>                | <b>Vegetative stage</b> | MAMIT<br>AIZAWL        | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> </ul>                                                                                           |
|                            |                         | <b>Okra leafroller</b> | <ul style="list-style-type: none"> <li>Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>                                                                                                                                                                                                                                                                                                           |
| <b>Ginger and turmeric</b> | <b>Sowing stage</b>     | LUNGLEI                | <ul style="list-style-type: none"> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul> |
| <b>Colocasia</b>           | <b>Sowing stage</b>     | LAWNGTLAI<br>SAIHA     | <ul style="list-style-type: none"> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and</li> </ul>                                                                                                                                                                         |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                          |                            |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------|----------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          |                            |                                                                              | MOP @ 220: 375: 134 kg.                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ANIMAL HUSBENDARY</b> |                            |                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Pig</b>               | <b>All stages</b>          | KOLASIB                                                                      | <ul style="list-style-type: none"> <li>As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm.</li> <li>Regularly monitor their level of 'fitness' and increase their feed intake to maintain.</li> <li>Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.</li> </ul>                                |
|                          |                            | MAMIT<br>CHAMPAI<br><b>Porcine Reproductive Respiratory Syndrome (PRRS).</b> | 1. Culling of positive pigs or piglets.                                                                                                                                                                                                                                                                                                                                                                                  |
|                          | <b>Adult stage</b>         | <b>Swine fever.</b>                                                          | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval                                                                                                                                                                                                                                                                                                                                 |
| <b>Cattle</b>            | <b>All age group</b>       | SERCHHIP                                                                     | <ul style="list-style-type: none"> <li>During either hot or heavy rainy condition, animal are advised to keep under shade.</li> <li>Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter, Foot Mouth Disease, Duck Plague.</li> </ul>                                                                                                                            |
| <b>Poultry</b>           | <b>Litter management</b>   | LUNGLEI                                                                      | <ul style="list-style-type: none"> <li>Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water.</li> <li>Good management and sanitation are the best ways to avoid infectious disease in poultry.</li> <li>Provide ample quantity of clean drinking water.</li> <li>Avoid feeding of mouldy feed. Don't make sudden changes in feed</li> </ul> |
|                          | <b>Preventive measures</b> | LAWNGTLAI<br>0-3 <sup>rd</sup> week                                          | <ul style="list-style-type: none"> <li><b>Ranikhet Disease-</b> F1 vaccine at (1-6) days of birth and R<sub>2</sub>B vaccine for adult birds.</li> <li>B complex with antibodies</li> </ul>                                                                                                                                                                                                                              |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                |                         |                                                   |                                                                                                                                                                                                                                                                                       |
|----------------|-------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                         | 4 <sup>th</sup> weeks                             |  <b>Coccidiosis-</b> Amprolium or coccidiostat                                                                                                                                                       |
|                |                         | 4-5 <sup>th</sup> Weeks                           |  Calcium tonic fortified with B <sub>12</sub>                                                                                                                                                        |
| <b>FISHERY</b> |                         |                                                   |                                                                                                                                                                                                                                                                                       |
|                | <b>Pond preparation</b> | 3 <sup>rd</sup> -4 <sup>th</sup> weeks<br>KOLASIB |  Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.                                                                                      |
|                |                         | MAMIT                                             |  Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/year. One third of the total dose should be applied initially and the rest may be applied in a spilt doses.                   |
|                |                         | AIZAWL                                            |  Single super phosphate should also be applied at the rate of 250 kg/ha in the pond.                                                                                                                 |
|                |                         | SERCHHIP                                          |  After one week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development. |
|                |                         | LUNGLEI                                           |  Transparency of the water needs to be maintained at 30-40 cm.                                                                                                                                     |
|                |                         | LAWNGTLAI                                         |                                                                                                                                                                                                                                                                                       |
|                |                         | SAIHA                                             |                                                                                                                                                                                                                                                                                       |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,  
Guwahati)



## Expert committee members:

|                                |   |                              |                                                                                          |
|--------------------------------|---|------------------------------|------------------------------------------------------------------------------------------|
| <b>Dr. S.B. Singh</b>          | : | Joint Director               | <a href="mailto:basantasinghsoibam@rediffmail.com">basantasinghsoibam@rediffmail.com</a> |
| <b>Dr. Saurav Saha</b>         | : | Scientist (Agril. Physics)   | <a href="mailto:sauravs.saha@gmail.com">sauravs.saha@gmail.com</a>                       |
| <b>Dr. T. Boopathi</b>         | : | Scientist (Agril Entomology) | <a href="mailto:boopathiars@gmail.com">boopathiars@gmail.com</a>                         |
| <b>Dr. A. Ratankumar Singh</b> | : | Scientist (Plant Pathology)  | <a href="mailto:ratantplantpatho@gmail.com">ratantplantpatho@gmail.com</a>               |
| <b>Dr. Lungmuana</b>           | : | Scientist (Soil Fertility)   | <a href="mailto:lmsingson@gmail.com">lmsingson@gmail.com</a>                             |
| <b>Mr. P.L. Lalrinsanga</b>    | : | Scientist (Aquaculture)      | <a href="mailto:viensky2@gmail.com">viensky2@gmail.com</a>                               |
| <b>Dr. Dr. V. Dayal</b>        | : | Scientist (Horticulture)     | <a href="mailto:Vishambhai5009@gmail.com">Vishambhai5009@gmail.com</a>                   |
| <b>Dr. Samuel Lalliansanga</b> | : | Head & Sr. Scientist         | <a href="mailto:samuelpachua10@gmail.com">samuelpachua10@gmail.com</a>                   |
| <b>Mr. Samik Chowdhury</b>     | : | Technical Officer            | <a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>               |
| <b>Mr. Diktea chenkuai</b>     | : | Project Assistant            | <a href="mailto:dikteachenkuaiboy@gmail.com">dikteachenkuaiboy@gmail.com</a>             |

## Collaborating Department:

| Name of the KVK       | Programme Coordinator Name and Designation              | KVK Email Id                                                                                                                             | Phone no/ Mobile no      |
|-----------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>KVK Lunglei</b>    | <b>Dr. Lalmuanzovi</b><br>Head & Sr. Scientist          | <a href="mailto:kvkhnahthial@gmail.com">kvkhnahthial@gmail.com</a>                                                                       | 9862803750<br>9436154614 |
| <b>KVK, Kolasib</b>   | <b>Mr. Lalrosamga Khiangte</b><br>Head & Sr. Scientist  | <a href="mailto:kvkkolasib@gmail.com">kvkkolasib@gmail.com</a>                                                                           | 9436152440               |
| <b>KVK, Serchhip</b>  | <b>Mr. K. Laltlanmawia</b><br>Head & Sr. Scientist      | <a href="mailto:kvkserchhip@gmail.com">kvkserchhip@gmail.com</a>                                                                         | 9436146115<br>9615389293 |
| <b>KVK, Champhai</b>  | <b>Mrs. Lalrinawmi Renthlei</b><br>Head & Sr. Scientist | <a href="mailto:kvkchawzawl@gmail.com">kvkchawzawl@gmail.com</a>                                                                         | 9436159788               |
| <b>KVK, Lawngtlai</b> | <b>Dr. Michel Lallawmkimi</b><br>Head & Sr. Scientist   | <a href="mailto:kvklawntlai@gmail.com">kvklawntlai@gmail.com</a>                                                                         | 9436155858               |
| <b>KVK, Saiha</b>     | <b>Dr. Vanlalhraia Hnampe</b><br>Head & Sr. Scientist   | <a href="mailto:kvksaiha@gmail.com">kvksaiha@gmail.com</a>                                                                               | 8974656509               |
| <b>KVK, Mamit</b>     | <b>Dr. Samuel Lalliansanga</b><br>Head & Sr. Scientist  | <a href="mailto:kvkmamit@gmail.com">kvkmamit@gmail.com</a>                                                                               | 9436147625               |
| <b>KVK, Aizawl</b>    | <b>Dr. K. P. Chaudhary</b><br>Head & Sr. Scientist      | <a href="mailto:Kpchy@rediffmail.com">Kpchy@rediffmail.com</a><br><a href="mailto:kvkaizawl@rediffmail.com">kvkaizawl@rediffmail.com</a> | 9436351669               |



**GRAMIN KRISHI MAUSAM SEWA**  
**ICAR RESEARCH COMPLEX FOR NEH REGION**  
 Mizoram Centre, Kolasib- 796081, MIZORAM  
*(Prepared based on District wise Weather Forecast received from IMD, Guwahati)*



**District:** Kolasib

**Period:** 03 June – 07 June, 2017

**Bulletin No:** - 706/2017/ Bulletin/Mizo

**Date of issue:** 02<sup>nd</sup> June, 2017

| Parameters               | 03.06.2017      | 04.06.2017   | 05.06.2017    | 06.06.2017   | 07.06.2017      |
|--------------------------|-----------------|--------------|---------------|--------------|-----------------|
| <b>Rainfall (mm)</b>     | 22              | 8            | 11            | 11           | 8               |
| <b>Max Temp (°C)</b>     | 27              | 28           | 28            | 30           | 30              |
| <b>Min Temp (°C)</b>     | 21              | 21           | 21            | 22           | 22              |
| <b>Cloud Coverage</b>    | Partially clear | Mainly clear | Mainly cloudy | Mainly clear | Partially clear |
| <b>Max RH (%)</b>        | 98              | 99           | 99            | 99           | 99              |
| <b>Min RH (%)</b>        | 61              | 83           | 82            | 57           | 94              |
| <b>Wind Speed (Kmph)</b> | 7               | 3            | 4             | 4            | 6               |
| <b>*Wind Direction</b>   | S-E             | S-E          | S-E           | S-E          | E               |

**Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E,  
 Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.**

**STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)**

|                                        |                                         |                                      |                                        |
|----------------------------------------|-----------------------------------------|--------------------------------------|----------------------------------------|
| <b>Aizawl- 384.87mm</b><br>(430.2mm)   | <b>Champhai- 105.48mm</b><br>(359.89mm) | <b>Saiha- 307.40 mm</b><br>(507.7mm) | <b>Kolasib- 236.00mm</b><br>(428.1mm)  |
| <b>Lawngtlai-291.20mm</b><br>(453.1mm) | <b>Lunglei-326.00mm</b><br>(465.14mm)   | <b>Mamit-204.87mm</b><br>(442.80mm)  | <b>Serchhip-411.72mm</b><br>(259.62mm) |

**Weather summary of the past three days**

**03<sup>rd</sup> June– 07<sup>th</sup> June, 2017 chhunga sik leh sa  
 dinhmun tur tlangpui**

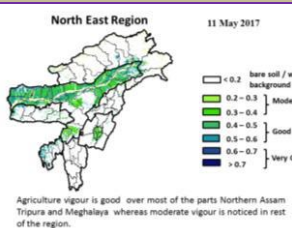
**Maximum Tem. (°C):27-29°C**  
**Minimum Tem. (°C):18-21°C**  
**Maximum RH (%):95-99%**  
**Minimum RH (%):81-95%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Mainly cloudy**  
**Wind speed: 2-4 km/hr**

Tun ni 5 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 27-30°C a ni ang a. A vawh lai ber in 21-22°C ni tura beisei a ni. RH san lai berin 98-99% leh a hniam lai berin 57-94% ni tur a rin niin. Thli hi darkar khatah 3-7 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

**Rainfall: 178.4 mm**

**Weekly cumulative rainfall: 60.0mm**

**NDVI for Mizoram**



Moderately wet mildly dry/mildly wet conditions



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| Main Crop / Animal / Fisheries      | Stage                          | Cultural practices/ Pest/ Diseases                          | Agricultural / Horticultural/ animal husbandry advisories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------|--------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRUITS CROPS</b>                 |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>KHASI MANDARIN AND ACID LIME</b> | <b>A kui atanga a seng hun</b> |                                                             | <ul style="list-style-type: none"> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Leia tha mamawh tawh a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.</li> </ul>                                                    |
| <b>BANANA</b>                       |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>STAR FRUIT</b>                   |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>PLUM AND PEACH</b>               |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                     |                                | <b>Gummosis, citrus canker, citrus greening and Dieback</b> | <ul style="list-style-type: none"> <li>Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                     |
|                                     |                                | <b>Fruit fly</b>                                            | <ul style="list-style-type: none"> <li>Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>PLANTATION CROP</b>              |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>COFFEE</b>                       | <b>All stages</b>              |                                                             | <b>Nursery stage</b> <ul style="list-style-type: none"> <li>Thlai chi thlak hma in <i>Azospirillum</i> leh <i>Phosphobacterium</i> a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hlih tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul> |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                |                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------|-------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                   |                                  | <b>Harvesting Stage</b> <ul style="list-style-type: none"> <li>Coffe rah hmin hi thlasik lain an seng thin a ni.</li> <li>A rah hmin tha lo ho chu nuai sawm hmain an thliar hrang leh vek thin ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                |                   | <p><b>Coffee Berry borer</b></p> | <ul style="list-style-type: none"> <li>A hun takah leh fimkhur taka seng tur ani.</li> <li>Hmaih neih nuaih loh tur ani.</li> <li>Sneg hmaih te lakkhawma paih vek tur ani.</li> <li>Seng bang zawng zawng chu uluka taka paih fai vek tur ani.</li> <li>A thlai vennan a rah tlai ho chu paih vek tur ani.</li> <li>Hmun dam lutukah dah loh tur.</li> <li>Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.</li> <li>Chuan hei hian kah tur ani. Quinalphos 25 EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit.</li> <li>In leh loa sawngbawl a a ro dan tur tawkah chuan: Arabica / robusta parchment 10 %, Arabica cherry 10.5 % leh robusta cherry 11.0 %.</li> </ul> |
|                                |                   | <p><b>Coffee Rust</b></p>        | <ul style="list-style-type: none"> <li>Natna hrik in a khawih tawh a hnah leh a dang te paihpaih vek tur ani.</li> <li>Bordeaux mixture 0.5% in February - March (Pre-bloom) a kah phawt a, Oxycarboxin 0.03% in May - June (Pre-monsoon) ah kah chhunzawm tur ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>CEREALS AND PULSE CROPS</b> |                   |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Rabi Maize</b>              | <b>A chin hun</b> |                                  | <ul style="list-style-type: none"> <li>Vaimim chinna tur atan lei kan let phut darh anga.</li> <li>Hei hian a rawn to chhuah na tur atan a pui dawn a ni.</li> <li>A chi chu kan lei leh saah chuan kan dah ang.</li> <li>A chi chu Thiram @4 g/kg seed hian ak sawngbawl hmasa anga.</li> <li>20-25 kg/ha vel a chi thlak hi a tawk vel viau ani.</li> <li>A chi tuh hma in lei leh FYM @5-10 t/ha leh 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> leh</li> </ul>                                                                                                                                                                                                                                                                                   |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                                                                         |                                 |                     |                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------|---------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                         |                                 |                     | K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.                                                                                                                                                                                |
| <b>Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow</b> | <b>All stage</b>                | <b>Zero tillage</b> | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>                                                                                                                            |
| <b>Potato</b>                                                                           | <b>Sowing stage</b>             |                     | <ul style="list-style-type: none"> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul> |
| <b>VEGETABLE CROP</b>                                                                   |                                 |                     |                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Tomato</b>                                                                           | <b>Bacterial Blight disease</b> |                     | <ul style="list-style-type: none"> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>                                                      |
| <b>Early Cole crop</b>                                                                  | <b>Black spot disease</b>       |                     | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>                                                                                                   |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                           |                      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|----------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                      |                            | <p>awm thin a , hei hi natna tlanglawn ber ani.</p> <ul style="list-style-type: none"> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>                                                                                                                                                                                                           |
| <b>Onion and capsicum</b> | <b>Nursery stage</b> | <b>Poly house</b>          | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>                                                                            |
|                           |                      | <b>Phytophthora blight</b> | <ul style="list-style-type: none"> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>                                                                                                                     |
| <b>French bean</b>        | <b>Sowing stage</b>  |                            | <ul style="list-style-type: none"> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>                                                                                                                                                                  |
| <b>Carrot and radish</b>  | <b>Sowing stage</b>  |                            | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul> |

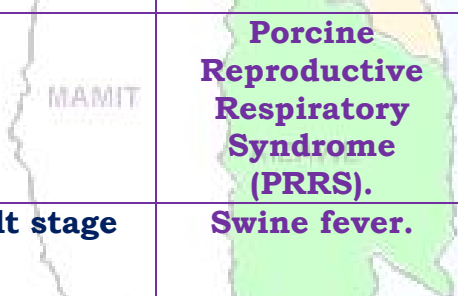
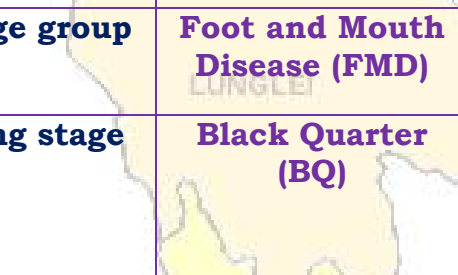
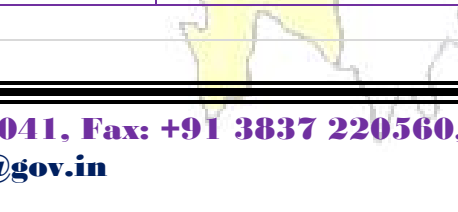


# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| ANIMAL HUSBANDRY |                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------|--------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pig</b>       | <b>All stages</b>        |    | <ul style="list-style-type: none"> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani..</li> <li>Sangha tel ah hian omega-3 hi atam em a vanging an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul> |
|                  |                          |   | <p><b>Porcine Reproductive Respiratory Syndrome (PRRS).</b></p> <p>1. Vawknote emaw vawk lak hran.</p>                                                                                                                                                                                                                                                                               |
|                  | <b>Adult stage</b>       |  | <p><b>Swine fever.</b></p> <p>2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhonzawm tur ani.</p>                                                                                                                                                                                                                                         |
| <b>Cattle</b>    | <b>All age group</b>     |  | <ul style="list-style-type: none"> <li>Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.</li> </ul>                                                                                                                                      |
|                  | <b>All age group</b>     |  | <ul style="list-style-type: none"> <li>Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhonzawm tur ani.</li> </ul>                                                                                                                                                                                                                                                    |
|                  | <b>Young stage</b>       |  | <ul style="list-style-type: none"> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>                                                                                                                                                                         |
| <b>Poultry</b>   | <b>Litter management</b> |  | <ul style="list-style-type: none"> <li>Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.</li> <li>An hriselna atan enkawltha tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.</li> </ul>                                                                                                   |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                |                                        |                                            |                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>                                                                                                                                                   |
|                | <b>Preventive measures</b>             | <b>0-3<sup>rd</sup> week</b>               | <ul style="list-style-type: none"> <li><b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>                                                                                                                                                  |
|                |                                        | <b>4<sup>th</sup> weeks</b>                | <ul style="list-style-type: none"> <li><b>Coccidiosis-</b> Amprolium or coccidiostat</li> </ul>                                                                                                                                                                                                                                                                               |
|                |                                        | <b>4-5<sup>th</sup> Weeks</b>              | <ul style="list-style-type: none"> <li>Calcium tonic fortified with B<sub>12</sub></li> </ul>                                                                                                                                                                                                                                                                                 |
| <b>FISHERY</b> |                                        |                                            |                                                                                                                                                                                                                                                                                                                                                                               |
|                | <b>Pond preparation (Dil buatsaih)</b> | <b>3<sup>rd</sup>-4<sup>th</sup> weeks</b> | <ul style="list-style-type: none"> <li>Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.</li> </ul>                                                                                                                                                                                                                                          |
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Bawngkek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngkek kumkhat a kan mamawh zat hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani.</li> <li>Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.</li> </ul> |
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani.</li> <li>Tui nut zawng tehma transparency pawh 30-40 cm vel ani tur ani.</li> </ul>                                      |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,  
Guwahati)



## Expert committee members:

|                                |   |                              |                                                                                          |
|--------------------------------|---|------------------------------|------------------------------------------------------------------------------------------|
| <b>Dr. S.B. Singh</b>          | : | Joint Director               | <a href="mailto:basantasinghsoibam@rediffmail.com">basantasinghsoibam@rediffmail.com</a> |
| <b>Dr. Saurav Saha</b>         | : | Scientist (Agril. Physics)   | <a href="mailto:sauravs.saha@gmail.com">sauravs.saha@gmail.com</a>                       |
| <b>Dr. T. Boopathi</b>         | : | Scientist (Agril Entomology) | <a href="mailto:boopathiars@gmail.com">boopathiars@gmail.com</a>                         |
| <b>Dr. A. Ratankumar Singh</b> | : | Scientist (Plant Pathology)  | <a href="mailto:ratantplantpatho@gmail.com">ratantplantpatho@gmail.com</a>               |
| <b>Dr. Lungmuana</b>           | : | Scientist (Soil Fertility)   | <a href="mailto:lmsingson@gmail.com">lmsingson@gmail.com</a>                             |
| <b>Mr. P.L. Lalrinsanga</b>    | : | Scientist (Aquaculture)      | <a href="mailto:viensky2@gmail.com">viensky2@gmail.com</a>                               |
| <b>Dr. Dr. V. Dayal</b>        | : | Scientist (Horticulture)     | <a href="mailto:Vishambhai5009@gmail.com">Vishambhai5009@gmail.com</a>                   |
| <b>Dr. Samuel Lalliansanga</b> | : | Head & Sr. Scientist         | <a href="mailto:samuelpachua10@gmail.com">samuelpachua10@gmail.com</a>                   |
| <b>Mr. Samik Chowdhury</b>     | : | Technical Officer            | <a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>               |
| <b>Mr. Diktea chenkuai</b>     | : | Project Assistant            | <a href="mailto:dikteachenkuaiboy@gmail.com">dikteachenkuaiboy@gmail.com</a>             |

## Collaborating Department:

| Name of the KVK       | Programme Coordinator Name and Designation              | KVK Email Id                                                                                                                             | Phone no/<br>Mobile no   |
|-----------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>KVK Lunglei</b>    | <b>Dr. Lalmuanzovi</b><br>Head & Sr. Scientist          | <a href="mailto:kvknhathial@gmail.com">kvknhathial@gmail.com</a>                                                                         | 9862803750<br>9436154614 |
| <b>KVK, Kolasib</b>   | <b>Mr. Lalrosamga Khiangte</b><br>Head & Sr. Scientist  | <a href="mailto:kvkkolasib@gmail.com">kvkkolasib@gmail.com</a>                                                                           | 9436152440               |
| <b>KVK, Serchhip</b>  | <b>Mr. K. Laltlanmawia</b><br>Head & Sr. Scientist      | <a href="mailto:kvkserchhip@gmail.com">kvkserchhip@gmail.com</a>                                                                         | 9436146115<br>9615389293 |
| <b>KVK, Champhai</b>  | <b>Mrs. Lalrinawmi Renthlei</b><br>Head & Sr. Scientist | <a href="mailto:kvkchawzawl@gmail.com">kvkchawzawl@gmail.com</a>                                                                         | 9436159788               |
| <b>KVK, Lawngtlai</b> | <b>Dr. Michel Lallawmkimi</b><br>Head & Sr. Scientist   | <a href="mailto:kvklawntlai@gmail.com">kvklawntlai@gmail.com</a>                                                                         | 9436155858               |
| <b>KVK, Saiha</b>     | <b>Dr. Vanlalhraia Hnampe</b><br>Head & Sr. Scientist   | <a href="mailto:kvksaiha@gmail.com">kvksaiha@gmail.com</a>                                                                               | 8974656509               |
| <b>KVK, Mamit</b>     | <b>Dr. Samuel Lalliansanga</b><br>Head & Sr. Scientist  | <a href="mailto:kvkmamit@gmail.com">kvkmamit@gmail.com</a>                                                                               | 9436147625               |
| <b>KVK, Aizawl</b>    | <b>Dr. K. P. Chaudhary</b><br>Head & Sr. Scientist      | <a href="mailto:Kpchy@rediffmail.com">Kpchy@rediffmail.com</a><br><a href="mailto:kvkaizawl@rediffmail.com">kvkaizawl@rediffmail.com</a> | 9436351669               |



**GRAMIN KRISHI MAUSAM SEWA**  
**ICAR RESEARCH COMPLEX FOR NEH REGION**  
 Mizoram Centre, Kolasib- 796081, MIZORAM  
*(Prepared based on District wise Weather Forecast received from IMD, Guwahati)*



**District:** Lawngtlai

**Period:** 03 June – 07 June, 2017

**Bulletin No:** - 706/2017/ Bulletin/English

**Date of issue:** 02<sup>nd</sup> June, 2017

| Parameters               | 03.06.2017      | 04.06.2017      | 05.06.2017   | 06.06.2017      | 07.06.2017      |
|--------------------------|-----------------|-----------------|--------------|-----------------|-----------------|
| <b>Rainfall (mm)</b>     | 4               | 0               | 0            | 7               | 4               |
| <b>Max Temp (°C)</b>     | 29              | 29              | 30           | 30              | 30              |
| <b>Min Temp (°C)</b>     | 22              | 21              | 21           | 22              | 22              |
| <b>Cloud Coverage</b>    | Partially clear | Partially clear | Mainly clear | Partially clear | Partially clear |
| <b>Max RH (%)</b>        | 94              | 95              | 92           | 95              | 97              |
| <b>Min RH (%)</b>        | 59              | 57              | 63           | 58              | 56              |
| <b>Wind Speed (Kmph)</b> | 6               | 7               | 6            | 5               | 3               |
| <b>*Wind Direction</b>   | S-E             | S-E             | E            | E               | E               |

**Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E,  
 Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.**

**STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)**

|                                        |                                         |                                      |                                        |
|----------------------------------------|-----------------------------------------|--------------------------------------|----------------------------------------|
| <b>Aizawl- 384.87mm</b><br>(430.2mm)   | <b>Champhai- 105.48mm</b><br>(359.89mm) | <b>Saiha- 307.40 mm</b><br>(507.7mm) | <b>Kolasib- 236.00mm</b><br>(428.1mm)  |
| <b>Lawngtlai-291.20mm</b><br>(453.1mm) | <b>Lunglei-326.00mm</b><br>(465.14mm)   | <b>Mamit-204.87mm</b><br>(442.80mm)  | <b>Serchhip-411.72mm</b><br>(259.62mm) |

**Weather summary of the past three days**

**Maximum Tem. (°C):26-27°C**  
**Minimum Tem. (°C):17-18°C**  
**Maximum RH (%):98-99%**  
**Minimum RH (%):74-95%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Mainly cloudy**  
**Wind speed: 4-5 km/hr**

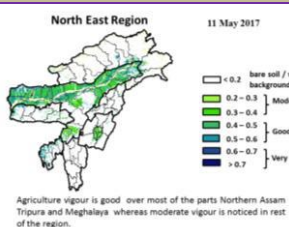
**Rainfall: 59.8 mm**

**Weather forecast valid from 03<sup>rd</sup> June, 2017 To 07<sup>th</sup> June, 2017.**

There are chances of light rainfall during the next 3 days. The maximum and minimum temperatures for the next 5 days may range for 29-30°C and 21-22°C. Maximum relative humidity is expected in the range of 92-97% and minimum may from 59-68%. Wind direction would be southeasterly to easterly with the wind speed of 3-7 km per hour. Partially clear sky will prevail during the next five days.

**Weekly cumulative rainfall: 15.0 mm**

**NDVI for Mizoram**



Moderately wet mildly dry/mildly wet conditions



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| Main Crop / Animal / Fisheries      | Stage                               | Cultural practices/ Pest/ Diseases                                                       | Agricultural / Horticultural/ animal husbandry advisories                                                                                                                                                                                                                                                                                                                                 |
|-------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRUITS CROPS</b>                 |                                     |                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>KHASI MANDARIN AND ACID LIME</b> | <b>Seedling transplanting stage</b> |                                                                                          | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintain in the field.</li> </ul>                                                                                                                                                                         |
| <b>BANANA</b>                       |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Medium to young seedling should be support by bamboo stake.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>STAR FRUIT</b>                   |                                     |                                                                                          | <ul style="list-style-type: none"> <li>In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants.</li> </ul>                                                                                                                                                                                                                      |
| <b>PLUM AND PEACH</b>               |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Standard-size trees should be spaced 12 to 25 feet apart and dwarf trees should be set 6 to 10 feet apart. The exact distance depends on the variety. The bigger the fruit, the farther the distance.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                     |
|                                     |                                     | <b>Gummosis, citrus Canker, Citrus greening, Dieback, Lamon butterfly and leaf minor</b> | <ul style="list-style-type: none"> <li><b>Lamon butterfly-</b> Spray monocrotophos @0.04% @1.2 ml/lit of water.</li> <li><b>Leaf minor-</b> Spray confidor 0.05% (0.5 ml/lit of water) at each flush emergence.</li> <li><b>Citrus Canker-</b> Apply bacterimycin @0.6 g/lit of water.</li> </ul>                                                                                         |
| <b>Passion Fruit</b>                | <b>Vegetative stage</b>             |                                                                                          | <ul style="list-style-type: none"> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> </ul> |
|                                     |                                     |                                                                                          | <ul style="list-style-type: none"> <li>Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0</li> </ul>                                                                                                                                                                                                                                                          |
|                                     |                                     | <b>Aphid</b>                                                                             |                                                                                                                                                                                                                                                                                                                                                                                           |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                        |                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pineapple</b>       | <b>Flowering stage</b>  |  | <p>g or dimethoate 2 ml/lit of water.</p> <ul style="list-style-type: none"> <li>Apply flowering inducing chemical (Ethrel 10 PPM+2% urea+0.04% Sodium Carbonate) should be applied in the heart of the plant. In evening and only when plants have at least 32 leaves.</li> <li>The flowering emergence will come out after 55-60 days after chemical spraying.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Remove all unwanted leaves, branches and weed near to the plant.</li> </ul>                                                                        |
| <b>PLANTATION CROP</b> |                         |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>COFFEE</b>          | <b>Vegetative stage</b> |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Medium to young seedling should be support by bamboo stake.</li> <li>Foliar application of Mepiquat chloride @ 1000 PPM concentration or 0.75% SSP @ 1.5 g per 200 lt of water 15 days interval.</li> <li>Mulching should be done with dry grasses near the tree base to conserve soil moisture during winter.</li> <li>The young fruit plant must be irrigated at weekly interval for better establishment.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul> |
| <b>Rubber</b>          | <b>Nursery stage</b>    |  | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintain in</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------|----------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                            | KOLASIB   | <p>the field.</p> <ul style="list-style-type: none"> <li>Medium to young seedling should be support by bamboo stake.</li> <li>In the citrus belt, trees can be planted at any time; however, spring is the best time for container grown plants.</li> <li>Make fire line to protect the young tree and seedlings.</li> <li>10-12 kg of well rotten organic manure and 225 gm rock phosphate should be apply at time of planting to each pit as basal dose application.</li> </ul>                                                                             |
| <b>CEREALS AND PULSE CROPS</b> |                            |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Pre Kharif Rice</b>         | <b>Transplanting stage</b> | AIZAWL    | <ul style="list-style-type: none"> <li>Water level shall be maintained for better transplant.</li> <li>Plough the field two to three times.</li> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Transplant 2-3 seedlings in one place for avoid gap filling.</li> <li>Spacing should be 20 cm row to row and 15 cm plant to plant.</li> <li>Keep some seedlings in nursery or corner of the field for gap filling.</li> </ul> |
| <b>Jhum Rice</b>               | <b>Germination stage</b>   | LUNGLEI   | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>Maize (Jhum)</b>            | <b>Vegetative stage</b>    | LAWNGTLAI | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> </ul>                                                                                                                                                                                                                                                                             |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



## VEGETABLE CROP

|                            |                         |                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|-------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Cowpea</b>              | <b>Vegetative stage</b> | KOLASIB                | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> </ul>                                                                                           |
| <b>Okra</b>                | <b>Vegetative stage</b> | MAMIT<br>AIZAWL        | <ul style="list-style-type: none"> <li>According to forecast probability of rain will be moderate to high and temperature will be less so run off and proper drainage should be maintained in the field.</li> <li>Don't use split dose of fertilizer for top dressing.</li> <li>Trail semi hard wood stem to bower structure</li> <li>Clean near the base of the plant.</li> </ul>                                                                                           |
|                            |                         | <b>Okra leafroller</b> | <ul style="list-style-type: none"> <li>Apply insecticide like imidacloprid 0.5 ml or phosolone 1.5 ml or acephate 1.0 g or dimethoate 2 ml/lt of water.</li> </ul>                                                                                                                                                                                                                                                                                                           |
| <b>Ginger and turmeric</b> | <b>Sowing stage</b>     | LUNGLEI                | <ul style="list-style-type: none"> <li>Rhizome should be treated with Thiram @4 g/kg seed.</li> <li>Use optimum seed rate (50-60 kg/ha) for desire plant population.</li> <li>Apply well decomposed FYM/ pig manure @ 10-20 t/ha along with 120:80:60 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O/ha incorporate with soil before sowing. Half nitrogen dose will use at the time of sowing and remaining 25% after one month and 25% at flowering stage.</li> </ul> |
| <b>Colocasia</b>           | <b>Sowing stage</b>     | LAWNGTLAI<br>SAIHA     | <ul style="list-style-type: none"> <li>Planting is done well prepared land or pits filled up with FYM (12-15) t/ha</li> <li>Sprouted corms or cormels are planted 5-7 deep at a spacing of 40-50 cm between and within rows in the pits.</li> <li>Inorganic fertilizer like Urea, SSP and</li> </ul>                                                                                                                                                                         |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                         |                            |                        |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         |                            |                        | MOP @ 220: 375: 134 kg.                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ANIMAL HUSBANDRY</b> |                            |                        |                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Pig</b>              | <b>All stages</b>          | KOLASIB                | <ul style="list-style-type: none"> <li>As the weather gets colder, your pigs' energy requirement will increase, as they need more energy to keep warm.</li> <li>Regularly monitor their level of 'fitness' and increase their feed intake to maintain.</li> <li>Fish oils are excellent for providing slow-release energy with the added advantage of a high level of omega-3.</li> </ul>                                |
|                         |                            | MAMIT                  | 1. Culling of positive pigs or piglets.                                                                                                                                                                                                                                                                                                                                                                                  |
|                         | <b>Adult stage</b>         | CHAMPAI                | 2. Vaccination of pigs with SF vaccines at 2 months and yearly interval/6 month interval                                                                                                                                                                                                                                                                                                                                 |
| <b>Cattle</b>           | <b>All age group</b>       | SERCHHIP               | <ul style="list-style-type: none"> <li>During either hot or heavy rainy condition, animal are advised to keep under shade.</li> <li>Vaccination is mandatory for the cattle prior to monsoon to protect from disease like Anthrax, Black Quarter, Foot Mouth Disease, Duck Plague.</li> </ul>                                                                                                                            |
| <b>Poultry</b>          | <b>Litter management</b>   | LUNGLEI                | <ul style="list-style-type: none"> <li>Birds require adequate space, sufficient feed to meet their nutritional requirements and an adequate supply of good-quality water.</li> <li>Good management and sanitation are the best ways to avoid infectious disease in poultry.</li> <li>Provide ample quantity of clean drinking water.</li> <li>Avoid feeding of mouldy feed. Don't make sudden changes in feed</li> </ul> |
|                         | <b>Preventive measures</b> | LAWNGTLAI              | <ul style="list-style-type: none"> <li><b>Ranikhet Disease-</b> F1 vaccine at (1-6) days of birth and R<sub>2</sub>B vaccine for adult birds.</li> <li>B complex with antibodies</li> </ul>                                                                                                                                                                                                                              |
|                         |                            | 0-3 <sup>rd</sup> week |                                                                                                                                                                                                                                                                                                                                                                                                                          |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                |                         |                                                   |                                                                                                                                                                                                       |
|----------------|-------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                         | 4 <sup>th</sup> weeks                             | ✚ Coccidiosis- Amprolium or coccidiostat                                                                                                                                                              |
|                |                         | 4-5 <sup>th</sup> Weeks                           | ✚ Calcium tonic fortified with B <sub>12</sub>                                                                                                                                                        |
| <b>FISHERY</b> |                         |                                                   |                                                                                                                                                                                                       |
|                | <b>Pond preparation</b> | 3 <sup>rd</sup> -4 <sup>th</sup> weeks<br>KOLASIB | ✚ Application of fertilizers/manure helps in development of plankton which serve as natural feed for the fishes.                                                                                      |
|                |                         | MAMIT                                             | ✚ Raw cowdung should be applied in the pond at the rate of 10 tonnes/ha/year. One third of the total dose should be applied initially and the rest may be applied in a spilt doses.                   |
|                |                         | AIZAWL                                            | ✚ Single super phosphate should also be applied at the rate of 250 kg/ha in the pond.                                                                                                                 |
|                |                         | SERCHHIP                                          | ✚ After one week of application development of planktons could be observed in the pond depending on the colour of the water. Yellowish green colour is an indicator of the good plankton development. |
|                |                         | LUNGLEI                                           | ✚ Transparency of the water needs to be maintained at 30-40 cm.                                                                                                                                       |
|                |                         | LAWNGTLAI                                         |                                                                                                                                                                                                       |
|                |                         | SAIHA                                             |                                                                                                                                                                                                       |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,  
Guwahati)



## Expert committee members:

|                                |   |                              |                                                                                          |
|--------------------------------|---|------------------------------|------------------------------------------------------------------------------------------|
| <b>Dr. S.B. Singh</b>          | : | Joint Director               | <a href="mailto:basantasinghsoibam@rediffmail.com">basantasinghsoibam@rediffmail.com</a> |
| <b>Dr. Saurav Saha</b>         | : | Scientist (Agril. Physics)   | <a href="mailto:sauravs.saha@gmail.com">sauravs.saha@gmail.com</a>                       |
| <b>Dr. T. Boopathi</b>         | : | Scientist (Agril Entomology) | <a href="mailto:boopathiars@gmail.com">boopathiars@gmail.com</a>                         |
| <b>Dr. A. Ratankumar Singh</b> | : | Scientist (Plant Pathology)  | <a href="mailto:ratantplantpatho@gmail.com">ratantplantpatho@gmail.com</a>               |
| <b>Dr. Lungmuana</b>           | : | Scientist (Soil Fertility)   | <a href="mailto:lmsingson@gmail.com">lmsingson@gmail.com</a>                             |
| <b>Mr. P.L. Lalrinsanga</b>    | : | Scientist (Aquaculture)      | <a href="mailto:viensky2@gmail.com">viensky2@gmail.com</a>                               |
| <b>Dr. Dr. V. Dayal</b>        | : | Scientist (Horticulture)     | <a href="mailto:Vishambhai5009@gmail.com">Vishambhai5009@gmail.com</a>                   |
| <b>Dr. Samuel Lalliansanga</b> | : | Head & Sr. Scientist         | <a href="mailto:samuelpachua10@gmail.com">samuelpachua10@gmail.com</a>                   |
| <b>Mr. Samik Chowdhury</b>     | : | Technical Officer            | <a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>               |
| <b>Mr. Diktea chenkuai</b>     | : | Project Assistant            | <a href="mailto:dikteachenkuaiboy@gmail.com">dikteachenkuaiboy@gmail.com</a>             |

## Collaborating Department:

| Name of the KVK       | Programme Coordinator Name and Designation              | KVK Email Id                                                                                                                             | Phone no/<br>Mobile no   |
|-----------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>KVK Lunglei</b>    | <b>Dr. Lalmuanzovi</b><br>Head & Sr. Scientist          | <a href="mailto:kvkhnahthial@gmail.com">kvkhnahthial@gmail.com</a>                                                                       | 9862803750<br>9436154614 |
| <b>KVK, Kolasib</b>   | <b>Mr. Lalrosamga Khiangte</b><br>Head & Sr. Scientist  | <a href="mailto:kvkkolasib@gmail.com">kvkkolasib@gmail.com</a>                                                                           | 9436152440               |
| <b>KVK, Serchhip</b>  | <b>Mr. K. Laltlanmawia</b><br>Head & Sr. Scientist      | <a href="mailto:kvkserchhip@gmail.com">kvkserchhip@gmail.com</a>                                                                         | 9436146115<br>9615389293 |
| <b>KVK, Champhai</b>  | <b>Mrs. Lalrinawmi Renthlei</b><br>Head & Sr. Scientist | <a href="mailto:kvkchawzawl@gmail.com">kvkchawzawl@gmail.com</a>                                                                         | 9436159788               |
| <b>KVK, Lawngtlai</b> | <b>Dr. Michel Lallawmkimi</b><br>Head & Sr. Scientist   | <a href="mailto:kvklawntlai@gmail.com">kvklawntlai@gmail.com</a>                                                                         | 9436155858               |
| <b>KVK, Saiha</b>     | <b>Dr. Vanlalhraia Hnampe</b><br>Head & Sr. Scientist   | <a href="mailto:kvksaiha@gmail.com">kvksaiha@gmail.com</a>                                                                               | 8974656509               |
| <b>KVK, Mamit</b>     | <b>Dr. Samuel Lalliansanga</b><br>Head & Sr. Scientist  | <a href="mailto:kvkmamit@gmail.com">kvkmamit@gmail.com</a>                                                                               | 9436147625               |
| <b>KVK, Aizawl</b>    | <b>Dr. K. P. Chaudhary</b><br>Head & Sr. Scientist      | <a href="mailto:Kpchy@rediffmail.com">Kpchy@rediffmail.com</a><br><a href="mailto:kvkaizawl@rediffmail.com">kvkaizawl@rediffmail.com</a> | 9436351669               |



**GRAMIN KRISHI MAUSAM SEWA**  
**ICAR RESEARCH COMPLEX FOR NEH REGION**  
 Mizoram Centre, Kolasib- 796081, MIZORAM  
*(Prepared based on District wise Weather Forecast received from IMD, Guwahati)*



**District:** Lawngtlai

**Period:** 03 June – 07 June, 2017

**Bulletin No:** - 706/2017/ Bulletin/Mizo

**Date of issue:** 02<sup>nd</sup> June, 2017

| Parameters               | 03.06.2017      | 04.06.2017      | 05.06.2017   | 06.06.2017      | 07.06.2017      |
|--------------------------|-----------------|-----------------|--------------|-----------------|-----------------|
| <b>Rainfall (mm)</b>     | 4               | 0               | 0            | 7               | 4               |
| <b>Max Temp (°C)</b>     | 29              | 29              | 30           | 30              | 30              |
| <b>Min Temp (°C)</b>     | 22              | 21              | 21           | 22              | 22              |
| <b>Cloud Coverage</b>    | Partially clear | Partially clear | Mainly clear | Partially clear | Partially clear |
| <b>Max RH (%)</b>        | 94              | 95              | 92           | 95              | 97              |
| <b>Min RH (%)</b>        | 59              | 57              | 63           | 58              | 56              |
| <b>Wind Speed (Kmph)</b> | 6               | 7               | 6            | 5               | 3               |
| <b>*Wind Direction</b>   | S-E             | S-E             | E            | E               | E               |

**Northerly- N, North-Easterly- N-E, Easterly- E, South-Easterly- S-E,  
 Southerly- S, South-Westerly- S-W, Westerly- W, North-westerly- N-W.**

**STATUS OF MONSOON- April 1-30, 2017 (Percent of deviation from normal in parenthesis)**

|                                        |                                         |                                      |                                        |
|----------------------------------------|-----------------------------------------|--------------------------------------|----------------------------------------|
| <b>Aizawl- 384.87mm</b><br>(430.2mm)   | <b>Champhai- 105.48mm</b><br>(359.89mm) | <b>Saiha- 307.40 mm</b><br>(507.7mm) | <b>Kolasib- 236.00mm</b><br>(428.1mm)  |
| <b>Lawngtlai-291.20mm</b><br>(453.1mm) | <b>Lunglei-326.00mm</b><br>(465.14mm)   | <b>Mamit-204.87mm</b><br>(442.80mm)  | <b>Serchhip-411.72mm</b><br>(259.62mm) |

**Weather summary of the past three days**

**03<sup>rd</sup> June– 07<sup>th</sup> June, 2017 chhunga sik leh sa  
 dinhmun tur tlangpui**

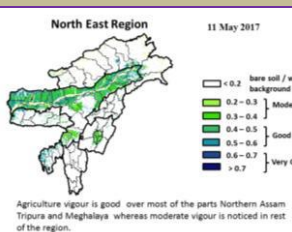
**Maximum Tem. (°C):26-27°C**  
**Minimum Tem. (°C):17-18°C**  
**Maximum RH (%):98-99%**  
**Minimum RH (%):74-95%**  
**Wind Direction: Southeasterly**  
**Cloud cover: Mainly cloudy**  
**Wind speed: 4-5 km/hr**

Tun ni 3 chhung lo awm turah hian ruahtui tla miahlo tura beisei a ni. Khua a lum lai berin 29-30°C a ni ang a. A vawh lai ber in 21-22°C ni tura beisei a ni. RH san lai berin 92-97% leh a hniam lai berin 59-68% ni tur a rin niin. Thli hi darkar khatah 3-7 km vela chakin chhaklam awi zawngin a tleh rin a ni. A tlangpuiin tun ni nga chhung hian khawthiang tak hmuh beisei a ni.

**Rainfall: 59.8 mm**

**Weekly cumulative rainfall: 15.0mm**

**NDVI for Mizoram**



Moderately wet mildly dry/mildly wet conditions



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



| Main Crop / Animal / Fisheries      | Stage                          | Cultural practices/ Pest/ Diseases                          | Agricultural / Horticultural/ animal husbandry advisories                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------------------|--------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRUITS CROPS</b>                 |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>KHASI MANDARIN AND ACID LIME</b> | <b>A kui atanga a seng hun</b> |                                                             | <ul style="list-style-type: none"> <li>Thlasik laia thlai bul khoro lutuk tur vennan chuan hnim hnah hring tlai bul velah dahkhawm tur ani.</li> <li>Thlai naupang deuah chuan chawlh kar tin a tui pek thin tur ani.</li> <li>Leia tha mamawh tawh a hmuh theihna turin a hmunhma a hnim awm te thlawhfai thin tur ani.</li> <li>A seng hma kar 6 chhung chu tui tha taka pek hian a rah tla tur chelh nan leh a rah than that nan te leh a rah keh tur lakah t a veng thei ani.</li> </ul>                                                    |
| <b>BANANA</b>                       |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>STAR FRUIT</b>                   |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>PLUM AND PEACH</b>               |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                     |                                | <b>Gummosis, citrus canker, citrus greening and Dieback</b> | <ul style="list-style-type: none"> <li>Temperture hniam lutuk leh hnawng vang hian natna a a tam duh a . Soil bome natna laka vennan Bordeaux past hi thing zar leh a trangah te hnawih tur ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                     |
|                                     |                                | <b>Fruit fly</b>                                            | <ul style="list-style-type: none"> <li>Huan zau takah chuan a par tan tirh leh a rah tan tirin chawlhkar hnih chhung chu heng te hian enkawl tur ani: carbaryl 0.2 percent emaw malathion 0.15 percent suspension containing sugar or jeggery at 10 g/l.</li> </ul>                                                                                                                                                                                                                                                                             |
| <b>PLANTATION CROP</b>              |                                |                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>COFFEE</b>                       | <b>All stages</b>              |                                                             | <b>Nursery stage</b> <ul style="list-style-type: none"> <li>Thlai chi thlak hma in <i>Azospirillum</i> leh <i>Phosphobacterium</i> a enkawl tur ani.</li> <li>A chi hi December – January ah hmun zawl/rualrem 1.5 - 2.5 cm a in hlatin tlar mumal tak siam in chin tur ani.</li> <li>Chuan a chi chu lei tlem te a chhilh a buhpawla khuh tur ani.</li> <li>Nitin tui pek tur ani a, a sat lutuka loh nan niin a chhun loh nan zar hlih tur ani.</li> <li>Ni 45 hnu velah a tiak thin a,chu chu bag ah an sawn chhuak leh thin ani.</li> </ul> |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                |                   |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------|-------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                   |                           | <b>Harvesting Stage</b> <ul style="list-style-type: none"> <li>Coffe rah hmin hi thlasik lain an seng thin a ni.</li> <li>A rah hmin tha lo ho chu nuai sawm hmain an thliar hrang leh vek thin ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                |                   | <b>Coffee Berry borer</b> | <ul style="list-style-type: none"> <li>A hun takah leh fimkhur taka seng tur ani.</li> <li>Hmaih neih nuaih loh tur ani.</li> <li>Sneg hmaih te lakkhawma paih vek tur ani.</li> <li>Seng bang zawng zawng chu uluka taka paih fai vek tur ani.</li> <li>A thlai vennan a rah tlai ho chu paih vek tur ani.</li> <li>Hmun dam lutukah dah loh tur.</li> <li>Boruak tha taka a hmuh theih nan leh a rawn chawr no theih nan thlai chu uluk tak a hlawi tur ani.</li> <li>Chuan hei hian kah tur ani. Quinalphos 25 EC @ 340 ml/200 lit emaw lamda cyhalothrin 5 EC 120 – 160 ml / 200 lit.</li> <li>In leh loa sawngbawl a a ro dan tur tawkah chuan: Arabica / robusta parchment 10 %, Arabica cherry 10.5 % leh robusta cherry 11.0 %.</li> </ul> |
|                                |                   | <b>Coffee Rust</b>        | <ul style="list-style-type: none"> <li>Natna hrik in a khawih tawh a hnah leh a dang te paihpaih vek tur ani.</li> <li>Bordeaux mixture 0.5% in February - March (Pre-bloom) a kah phawt a, Oxycarboxin 0.03% in May - June (Pre-monsoon) ah kah chhunzawm tur ani.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>CEREALS AND PULSE CROPS</b> |                   |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Rabi Maize</b>              | <b>A chin hun</b> |                           | <ul style="list-style-type: none"> <li>Vaimim chinna tur atan lei kan let phut darh anga.</li> <li>Hei hian a rawn to chhuah na tur atan a pui dawn a ni.</li> <li>A chi chu kan lei leh saah chuan kan dah ang.</li> <li>A chi chu Thiram @4 g/kg seed hian ak sawngbawl hmasa anga.</li> <li>20-25 kg/ha vel a chi thlak hi a tawk vel viau ani.</li> <li>A chi tuh hma in lei leh FYM @5-10 t/ha leh 80:60:40 kg N, P<sub>2</sub>O<sub>5</sub> leh</li> </ul>                                                                                                                                                                                                                                                                                   |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                                                                                         |                                 |                     |                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------|---------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                         |                                 |                     | K <sub>2</sub> O/ha pawlh chu hman phawt tur a ni. Nitrogen dose chanve chu a chi tuh hunlaia hman tur a ni a, tichuan a bang 25% chu thla khat hnu ah ani ang a adang leh 25% chu a par hunah hman tur a ni.                                                                                                                                                                                |
| <b>Soybean, pea, lentil toria, breen gram and black gram cultivation in rice fellow</b> | <b>All stage</b>                | <b>Zero tillage</b> | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Lei rih vur hian thlai kung te a veng ve ani.</li> <li>Thlasik lai a lei khoro lutuk tur ven nan a chungah hnim leh thildanga khuh tur ani.</li> </ul>                                                                                                                            |
| <b>Potato</b>                                                                           | <b>Sowing stage</b>             |                     | <ul style="list-style-type: none"> <li>Muangchang loving alu chin na tur chu buatsaih vat tur ani.</li> <li>Hei hian a than hun laiin natna hrikin lakah a veng dawn ani.</li> <li>Lei leh hmain a hmun hma chu fai taka thlawh hmasak tur ani.</li> <li>A chi thlak hma in a chi chu en fiah hmasak tur ani.</li> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> </ul> |
| <b>VEGETABLE CROP</b>                                                                   |                                 |                     |                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Tomato</b>                                                                           | <b>Bacterial Blight disease</b> |                     | <ul style="list-style-type: none"> <li>Tomato bikah chuan sik leh sa hi natna an kaina tlang lawn ber ani .</li> <li>Hmun hnawng leh ni hmu lo lutuk hmunah chuan natna an kai hma bik ani.</li> <li>Tomato hi a uai a, a thih mai loh nan Ridomil emaw Indofil emaw Mancozeb @ 2 gm hi tui liter 1 ah pawlh a kah tur ani .</li> </ul>                                                      |
| <b>Early Cole crop</b>                                                                  | <b>Black spot disease</b>       |                     | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum rawn</li> </ul>                                                                                                   |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                           |                      |                            |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|----------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                           |                      |                            | <p>awm thin a , hei hi natna tlanglawn ber ani.</p> <ul style="list-style-type: none"> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul>                                                                                                                                                                                                           |
| <b>Onion and capsicum</b> | <b>Nursery stage</b> | <b>Poly house</b>          | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Thlai bul vawn hnawn nana thlai bula hnim ring vawm khawm hi tui pek zawhah dah tur ani.</li> <li>Thlai chhina hmun (nursery) hi hnim a to loh nan Pendimethalin @ 3.5ml hi tui liter 1 zelah pawlh a kah hi a tha hle ani.</li> </ul>                                                                            |
|                           |                      | <b>Phytophthora blight</b> | <ul style="list-style-type: none"> <li>A chi ven that nan thiram 3g/kg seed emaw Trichoderma viride 4g+ metalaxyl 4g (Apron)/ kg seed hi a tha hle ani</li> <li>Hneh taka 1% Bordeaux chawhpawlh emaw 2 g captan emaw 3 copper oxychloride a tui liter 1 hi 10-15 DAS a pek hi a tha hle ani.</li> </ul>                                                                                                                     |
| <b>French bean</b>        | <b>Sowing stage</b>  |                            | <ul style="list-style-type: none"> <li>Tui pek a hnihnah hringa khuh tur ani a. than a that theih nan tui pek hma in lei rin pan hmasak tur ani.</li> <li>A than duna theih nan leh hnim to loh na turin a kung bulah lei vur chhoh zel tur ani.</li> </ul>                                                                                                                                                                  |
| <b>Carrot and radish</b>  | <b>Sowing stage</b>  |                            | <ul style="list-style-type: none"> <li>A than a that theih nan nikhat danah tui pek thin tur ani.</li> <li>Tui pek hnuah thlai bul vawn hnawn na tur siam tur ani.</li> <li>Zikhlum lam chi ah chuan sik leh sa vangin a hnah ah thil dum a rawn awm thina, hei hi natna tlanglawn ber ani.</li> <li>Thlai hna lam chi leh zikhlum lam chi reng reng enkawl nan Mancozeb @ 2gm ah tui leter 1 pawlha kah tur ani.</li> </ul> |



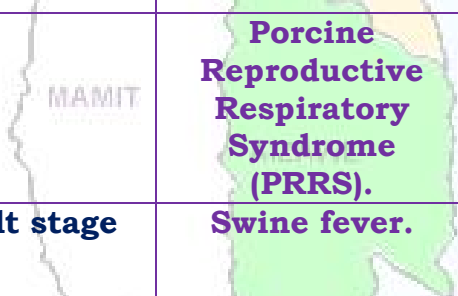
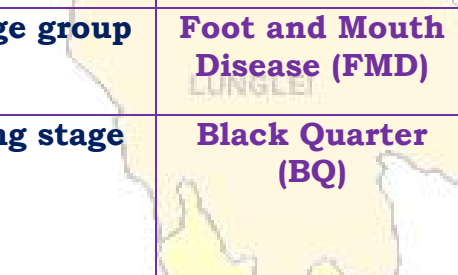
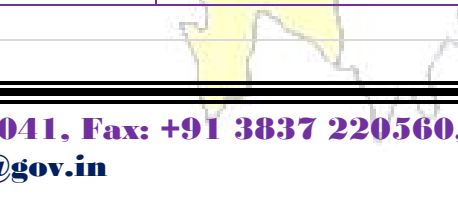
# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



## ANIMAL HUSBANDRY

|                |                          |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------|--------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pig</b>     | <b>All stages</b>        |    | <ul style="list-style-type: none"> <li>Khua a vawh hian vawk hian an mahni in tih lumna tur atan chakna an mamawhna a sang bik ani.</li> <li>An hriselna that leh that loh enfiah renga, a chaw ei tur tlem tlema tih tam hret hret tur ani..</li> <li>Sangha tel ah hian omega-3 hi atam em a vangin an chakna muangchanga a in siam chhoh zel theih nan a tha hle ani.</li> </ul> |
|                |                          |   | <p><b>Porcine Reproductive Respiratory Syndrome (PRRS).</b></p> <p>1. Vawknote emaw vawk lak hran.</p>                                                                                                                                                                                                                                                                              |
|                | <b>Adult stage</b>       |  | <p><b>Swine fever.</b></p> <p>2. SF vaccines hi thla 2 hnua pek tur ani a, chumi hnuah chuan kumtin thlaruk danah pek chhonzawm tur ani.</p>                                                                                                                                                                                                                                        |
| <b>Cattle</b>  | <b>All age group</b>     |  | <ul style="list-style-type: none"> <li>Hun rei tak khua a ro avanga hnim hnah hring peh tur a awm loh laia bawngin an chaw ei in buk tawk tur leh an taksa tana mamawh tur atan buh kung urea molasses hmanga sawngbawl pek tur ani.</li> </ul>                                                                                                                                     |
|                | <b>All age group</b>     |  | <ul style="list-style-type: none"> <li>Kar 16 hnuah FMD vaccine pek a, chuan thla tin thla 6 chhung chhonzawm tur ani.</li> </ul>                                                                                                                                                                                                                                                   |
|                | <b>Young stage</b>       |  | <ul style="list-style-type: none"> <li>Black Quarter Vaccine (BQV).</li> <li>Vaccinne hmasa ber hi thla 6 ah emaw a hnu lamah pek tur.</li> <li>Chumi hnuah chuan Vaccine hi kum tin pek tur ani.</li> </ul>                                                                                                                                                                        |
| <b>Poultry</b> | <b>Litter management</b> |  | <ul style="list-style-type: none"> <li>Ar te hian hmun thawl nuam tawk, chaw tha an mamawh tawk leh tui thianghlim an mamawh tawk an hmu tur ani a.</li> <li>An hriselna atan enkawltha tha tawk tak pek hian natna an kai mai theih tur lak atang a venna tha ber ani.</li> </ul>                                                                                                  |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD, Guwahati)



|                |                                        |                                            |                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Tui an in tur chhawpna tur tha /lian tha tak leh tui thianghlim tak pek tur ani.</li> <li>Chaw a hmuar/thing pek loh tur ani a, an chaw eitur thlak sak thut loh tur ani.</li> </ul>                                                                                                                                                   |
|                | <b>Preventive measures</b>             | <b>0-3<sup>rd</sup> week</b>               | <ul style="list-style-type: none"> <li><b>Ranikhet</b> Disease- an pian atanga ni 1-6 ah F1 vaccine pek tur ani a, chuan a puitlingh chuan R<sub>2</sub>B vaccine pek tur ani.</li> <li>B complex with antibodies</li> </ul>                                                                                                                                                  |
|                |                                        | <b>4<sup>th</sup> weeks</b>                | <ul style="list-style-type: none"> <li><b>Coccidiosis-</b> Amprolium or coccidiostat</li> </ul>                                                                                                                                                                                                                                                                               |
|                |                                        | <b>4-5<sup>th</sup> Weeks</b>              | <ul style="list-style-type: none"> <li>Calcium tonic fortified with B<sub>12</sub></li> </ul>                                                                                                                                                                                                                                                                                 |
| <b>FISHERY</b> |                                        |                                            |                                                                                                                                                                                                                                                                                                                                                                               |
|                | <b>Pond preparation (Dil buatsaih)</b> | <b>3<sup>rd</sup>-4<sup>th</sup> weeks</b> | <ul style="list-style-type: none"> <li>Dil a leitha hman hian sangha chaw kan tih mai planktons insiam nan a tanpui thin.</li> </ul>                                                                                                                                                                                                                                          |
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Bawngkek hring 10 tonnes/ha/year vel dil ah hman thin a ni a; bawngkek kumkhat a kan mamawh zat hmunthum a then a hmunkhat hi dil buatsaih nan hman tur ani. A bak zawng hi tui boruak a zirin semdarh a hman thin tur ani.</li> <li>Single super phosphate hi dil hectare khat zel a zauah kg 250 ang a hman thin tur ani.</li> </ul> |
|                |                                        |                                            | <ul style="list-style-type: none"> <li>Leitha kan hman atang a karkhat hnuah tui rawng a tangin sangha chaw inseam that leh thatloh a hriat theih a. Tui rawng eng hring deuh nghalh ah hian sangha chaw planktons te an inseam tha ang a ngaih ani.</li> <li>Tui nut zawng tehma transparency pawh 30-40 cm vel ani tur ani.</li> </ul>                                      |



# GRAMIN KRISHI MAUSAM SEWA ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

(Prepared based on District wise Weather Forecast received from IMD,  
Guwahati)



## Expert committee members:

|                                |   |                              |                                                                                          |
|--------------------------------|---|------------------------------|------------------------------------------------------------------------------------------|
| <b>Dr. S.B. Singh</b>          | : | Joint Director               | <a href="mailto:basantasinghsoibam@rediffmail.com">basantasinghsoibam@rediffmail.com</a> |
| <b>Dr. Saurav Saha</b>         | : | Scientist (Agril. Physics)   | <a href="mailto:sauravs.saha@gmail.com">sauravs.saha@gmail.com</a>                       |
| <b>Dr. T. Boopathi</b>         | : | Scientist (Agril Entomology) | <a href="mailto:boopathiars@gmail.com">boopathiars@gmail.com</a>                         |
| <b>Dr. A. Ratankumar Singh</b> | : | Scientist (Plant Pathology)  | <a href="mailto:ratantplantpatho@gmail.com">ratantplantpatho@gmail.com</a>               |
| <b>Dr. Lungmuana</b>           | : | Scientist (Soil Fertility)   | <a href="mailto:lmsingson@gmail.com">lmsingson@gmail.com</a>                             |
| <b>Mr. P.L. Lalrinsanga</b>    | : | Scientist (Aquaculture)      | <a href="mailto:viensky2@gmail.com">viensky2@gmail.com</a>                               |
| <b>Dr. Dr. V. Dayal</b>        | : | Scientist (Horticulture)     | <a href="mailto:Vishambhai5009@gmail.com">Vishambhai5009@gmail.com</a>                   |
| <b>Dr. Samuel Lalliansanga</b> | : | Head & Sr. Scientist         | <a href="mailto:samuelpachua10@gmail.com">samuelpachua10@gmail.com</a>                   |
| <b>Mr. Samik Chowdhury</b>     | : | Technical Officer            | <a href="mailto:samikchowdhury33@gmail.com">samikchowdhury33@gmail.com</a>               |
| <b>Mr. Diktea chenkuai</b>     | : | Project Assistant            | <a href="mailto:dikteachenkuaiboy@gmail.com">dikteachenkuaiboy@gmail.com</a>             |

## Collaborating Department:

| Name of the KVK       | Programme Coordinator Name and Designation              | KVK Email Id                                                                                                                             | Phone no/<br>Mobile no   |
|-----------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>KVK Lunglei</b>    | <b>Dr. Lalmuanzovi</b><br>Head & Sr. Scientist          | <a href="mailto:kvkhnahthial@gmail.com">kvkhnahthial@gmail.com</a>                                                                       | 9862803750<br>9436154614 |
| <b>KVK, Kolasib</b>   | <b>Mr. Lalrosamga Khiangte</b><br>Head & Sr. Scientist  | <a href="mailto:kvkkolasib@gmail.com">kvkkolasib@gmail.com</a>                                                                           | 9436152440               |
| <b>KVK, Serchhip</b>  | <b>Mr. K. Laltlanmawia</b><br>Head & Sr. Scientist      | <a href="mailto:kvkserchhip@gmail.com">kvkserchhip@gmail.com</a>                                                                         | 9436146115<br>9615389293 |
| <b>KVK, Champhai</b>  | <b>Mrs. Lalrinawmi Renthlei</b><br>Head & Sr. Scientist | <a href="mailto:kvkchawzawl@gmail.com">kvkchawzawl@gmail.com</a>                                                                         | 9436159788               |
| <b>KVK, Lawngtlai</b> | <b>Dr. Michel Lallawmkimi</b><br>Head & Sr. Scientist   | <a href="mailto:kvklawntlai@gmail.com">kvklawntlai@gmail.com</a>                                                                         | 9436155858               |
| <b>KVK, Saiha</b>     | <b>Dr. Vanlalhraia Hnampe</b><br>Head & Sr. Scientist   | <a href="mailto:kvksaiha@gmail.com">kvksaiha@gmail.com</a>                                                                               | 8974656509               |
| <b>KVK, Mamit</b>     | <b>Dr. Samuel Lalliansanga</b><br>Head & Sr. Scientist  | <a href="mailto:kvkmamit@gmail.com">kvkmamit@gmail.com</a>                                                                               | 9436147625               |
| <b>KVK, Aizawl</b>    | <b>Dr. K. P. Chaudhary</b><br>Head & Sr. Scientist      | <a href="mailto:Kpchy@rediffmail.com">Kpchy@rediffmail.com</a><br><a href="mailto:kvkaizawl@rediffmail.com">kvkaizawl@rediffmail.com</a> | 9436351669               |