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AGROMET ADVISORY BULLETIN GRAMIN KRISHI MAUSAM SEWA

ICAR RESEARCH COMPLEX FOR NEH REGION

Mizoram Centre, Kolasib- 796081, MIZORAM

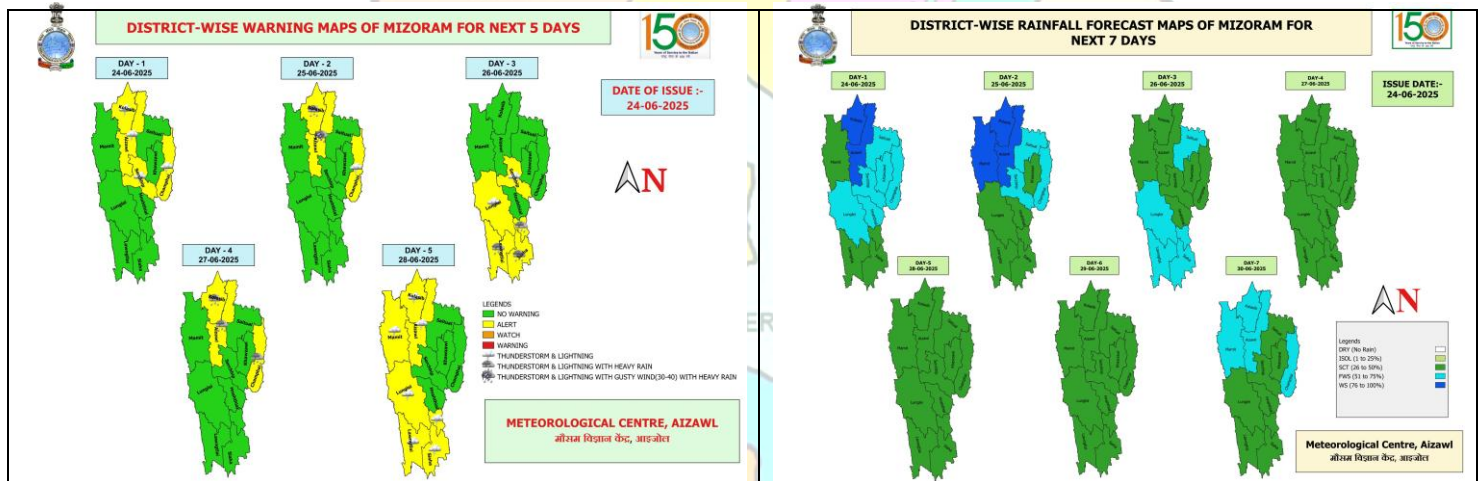
(Prepared based on District wise Weather Forecast received from
IMD, Guwahati)



State Composite Bulletin Bulletin No: Kolasib- 24/ 2025-26 (English) Issue Date: 24th June, 2025

COMPOSITE STATE WEATHER FORECAST UPTO 08:30 AM OF 29.06.2025

Light to moderate rainfall is predicted during the upcoming 5 days. The maximum and minimum temperature will be in the range of 27-36°C and 20-23°C respectively. Maximum and minimum relative humidity is expected to be 97-99% and 75-83% respectively. Wind speed will be in the range of 1-4 Km/hr from South-East direction. Partially cloudy sky will prevail during upcoming 5 days.



Warning: Heavy rainfall with thunderstorm and lightning is forecasted on 27th and 28th June, 2025.

Agromet advisories

1. Farmers should not allow any kind of runoff water into the water storage structure/*jalkund* as it may contain rocks and muds. Plastic pipe/bamboo stem should be used to collect water from stream or use splitted bamboo structure to filter the water before entering to the water storage structure/*jalkund*.
2. Considering the moderate to heavy rainfall in upcoming 5 days, farmers are advised to stop planting arecanut, rubber, papaya, pineapple and hadkora seedling for next 2-3 days.

**Weekly Extended Rain
Forecast
(ERFS)**

Services

As per the Extended Rain Forecast System (ERFS), rainfall, maximum and minimum temperature for the period 29th June to 05th July, 2025 in Mizoram state will be above normal (31.27%), normal (-0.08%) and normal (0.25%) respectively.

****The warning for any day is valid from 0830 hours IST of the day till 0830 hrs IST of the next day.**

| WARNING | Probabilistic forecast | |
|------------------------|------------------------|-------------------------------|
| | Terms | Probability of occurrence (%) |
| Warning (Take action) | Unlikely | <25 % |
| Alert (be prepared) | Likely | 25-50 % |
| Watch (be updated) | Very likely | 50-75 % |
| No warning (no action) | Most likely | >75 % |

Station reporting rainfall (%)

| % station | Category | % station | Category |
|-----------|------------------------------|-----------|---------------------------------------|
| 76-100 | Widespread (WS/ most places) | 26-50 | Scattered (SCT/ At few places) |
| 51-75 | FWS (At many places) | 1-25 | Isolated (ISOL/ At one or two places) |
| No Rain | Dry | | |



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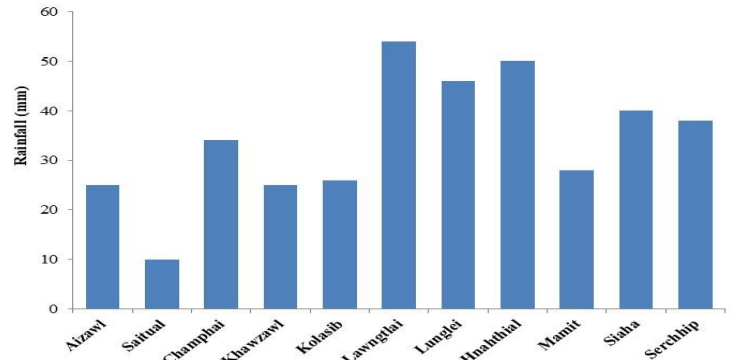
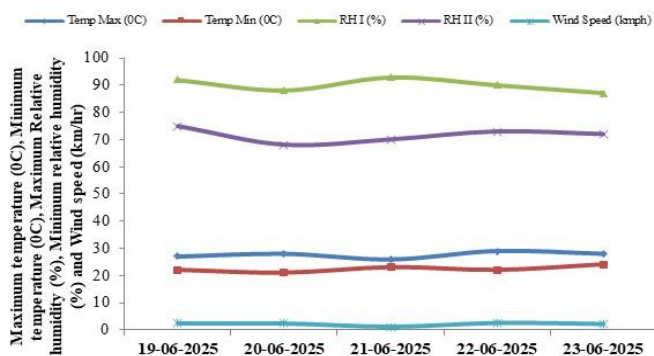
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Summary of five days weather over the State (19th to 23rd June, 2025):

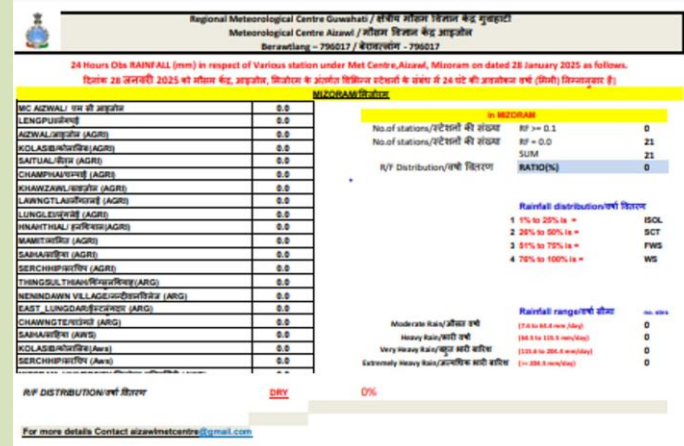


Normalized Difference Vegetative Index (NDVI)

Weather summary for last five days (19th to 23rd June, 2025):

Light to moderate rainfall occurred during last three days. The maximum and minimum temperatures for the last 3 days ranged from 26-30°C and 20-23°C. Maximum relative humidity was recorded in the range of 85-97% and minimum from 70-75%. Wind direction was southwesterly with the wind speed of 0.7-1.9 km per hour. Mainly to partially cloudy sky prevailed last three days.

According to NDVI, Agriculture vigour is good in the state during 05th to 11th June, 2025.



Status of district wise rainfall Surplus/deficiency (%) in monsoon (-Deficiency, + surplus)

| Aizawl | Champhai | Kolasib | Lawngtlai |
|---------|----------|---------|-----------|
| 38 | 34 | 50 | 1 |
| Lunglei | Mamit | Siaha | Serchhip |
| | | 35 | 5 |

Crop stages collected from State Department of Agriculture, Govt. of Mizoram, AMFU, Kolasib and DAMU, Lengpui

| Major <i>kharif</i> crops | Humid Mild Tropical Hill Zone situated in the western side | Humid Subtropical Hill Zone in the central part | Humid Temperate Subalpine Zone in the eastern side |
|---|--|---|--|
| Pre-Kharif rice | - | Vegetative stage | |
| Jhum maize | Vegetative stage | Vegetative stage | Vegetative stage |
| Lowland rice | Nursery stage | Nursery stage | Nursery stage |
| Jhum pulse (Cowpea, redgram and rice bean) | Vegetative stage | Vegetative stage | Vegetative stage |
| Jhum vegetable (Pumpkin, brinjal, chilli and snake gourd) | Vegetative stage | Vegetative stage | Vegetative stage |
| Sugarcane | Vegetative stage | Vegetative stage | Vegetative stage |
| Pre-kharif Tomato | Vegetative stage | Vegetative stage | |
| Bhindi | Flowering to fruiting stage | Flowering to fruiting stage | Flowering to fruiting stage |
| Cucurbits | Flowering to fruiting stage | Flowering to fruiting stage | Flowering to fruiting stage |
| Brinjal | Vegetative stage | Vegetative stage | Vegetative stage |
| Chilli | Vegetative stage | Vegetative stage | Vegetative stage |
| Mango and litchi | Fruit mature stage | Fruit mature stage | Fruit mature stage |
| Mandarin | Flushing stage | Flushing stage | Flushing stage |
| Coffee | Berry formation stage | Berry formation stage | |
| Kiwi | | | Flushing stage |



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Agromet Advisories issued by Agromet Field Unit, Kolasib (AMFU) and District Agro-Met Unit, Lengpui (DAMU, Lengpui)

GENERAL ADVISORY

1. With increasing temperatures and light rainfall, farmers are advised to harvest physiologically mature fruits, vegetables, and grains, as reduced leaf wetness during this period helps enhance storage quality and prolong shelf life.
2. Farmers are advised to adopt possible precautions against Fall Army Worm (FAW) in long-duration maize as scattered rainfall is forecasted over all the districts of Mizoram.
3. Farmers are advised to continue gap filling/re-sowing is recommended for newly sown crops like soybean, and sesamum based on the germination percentage observed by farmers as favourable weather is predicted for the next few days.
4. Fertilizer and pesticide application, intercultural operation should be carried out based on the local weather condition.
5. Farmers are advised to separate the newly procured pig for some days to check for any disease symptoms as African swine flu is prevailing.
6. Farmers should not allow any kind of runoff water into the water storage structure/*jalkund* as it may contain rocks and muds. Plastic pipe/bamboo stem should be used to collect water from stream or use splitted bamboo structure to filter the water before entering to the water storage structure/*jalkund*.

SMS BULLETIN

Farmers are advised to continue sowing, pesticide spraying, and manure application during this period. Ensure proper drainage channels are maintained in the crop fields to prevent waterlogging.

Maize

(Vegetative to flowering stage)

1. Farmers are advised to do intercultural operation based on the local weather condition to reduce the alternate host and also advised to apply nitrogenous fertilizer like urea @ 30 kg/ha for normal growth and development to long duration maize crop during sunny days.
2. Farmers are advised to maintain appropriate drainage facilities in the field to minimize water stagnation as moderate to heavy rainfall was observed last few days.

Ginger/Turmeric

(Germination stage)

1. During the germination stage, high humidity, warm temperatures, and waterlogged or poorly drained soil—often due to moderate rainfall—can promote the development of rhizome rot and yellows disease. To avoid water stagnation, farmers are advised to construct peripheral V-shaped drains (15 cm deep) at 2-meter intervals to ensure efficient drainage around the crop beds.
2. To manage rhizome rot and yellows disease in ginger and turmeric, especially following rainfall, farmers should apply soil drenching with a fungicide mixture of Metalaxyl (8%) + Mancozeb (64%) at a dosage of 2.5 g per liter of water.

Lowland rice

(Nursery to field preparation stage):

1. If the nursery bed is not well drained, waterlogged conditions due to rainfall lead to poor seedling growth. Excess moisture creates favorable conditions for seedling lodging. Farmers are advised to create channels and reduce the water stagnation problem.
2. Nursery bed should be cover with perennial grass to conserve soil moisture for good germination and reduce seed displacement.
3. Besides the nursery preparation, farmers are also suggested to start main field preparation for paddy transplantation through repairing old bunds by maintaining 20-30 cm height in lowland situation.



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Kiwi

(Flowering stage)

1. To reduce fruit drop and improve fruit quality, farmers are advised to apply foliar sprays of micronutrients such as Multiplex Kranti or SAAF Micronutrient Mix at a dose of 20-25 g per 10 liters of water. Spray during early morning or late evening to prevent leaf scorching. The first spray should be done at early fruit set, followed by a second spray after 15-20 days.
2. Additionally, apply organic amendments around the root zone (1-1.5 feet from the trunk) as follows: well-decomposed FYM @ 10-15 kg, vermicompost @ 3-5 kg, and neem cake @ 250-300 g per plant/vine.

Mushroom

(All stages)

1. Farmers are advised to maintain proper humidity (85-90%) and temperature (22-25°C) in the growing rooms during cultivating Oyster mushroom.
2. Spray chlorothalonil (0.05%) in the growing rooms of oyster mushroom and Dichlorvos (0.01%) for the control of competitor molds and flies, respectively.
3. Farmers are advised spray 2% formaldehyde and keep the rooms closed for 1-2 days after harvesting oyster mushroom and before cultivation new mushroom during this month as temperature and humidity is high which may increase different fungal diseases.
4. Spray water judiciously on floor, walls and on beds to maintain 85-90% RH, otherwise pinhead of milky mushroom will die.

Pig

(All stages)

1. Farmers are advised to hang wet gunny bags on all corners of the pig shed and regularly sprinkle water on them during the daytime. This helps reduce the ambient temperature. Ensure proper ventilation, especially during peak afternoon hours, to avoid heat buildup.
2. Offer feed during the cooler parts of the day—preferably early morning and late evening—to sustain appetite and minimize heat-related stress in pigs.
3. Ensure pigs have constant access to clean and cool drinking water. Increased temperatures significantly raise their water requirements and the risk of dehydration.
4. Regularly observe pigs for symptoms like panting, drooling, reduced feed intake, or weakness. Promptly shift any affected animals to a shaded or cooler area to prevent further distress.

Compiled by

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