AGROMET ADVISORY BULLETIN
GRAMIN KRISHI MAUSAM SEWA
ICAR RESEARCH COMPLEX FOR NEH REGION

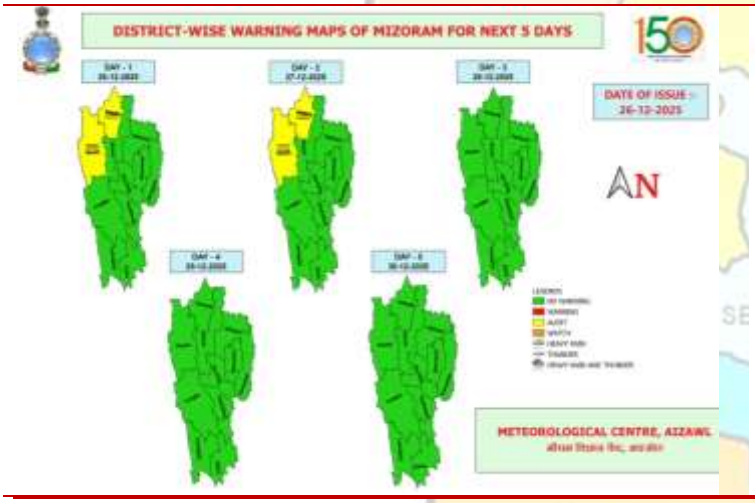
Mizoram Centre, Kolasib- 796081, MIZORAM

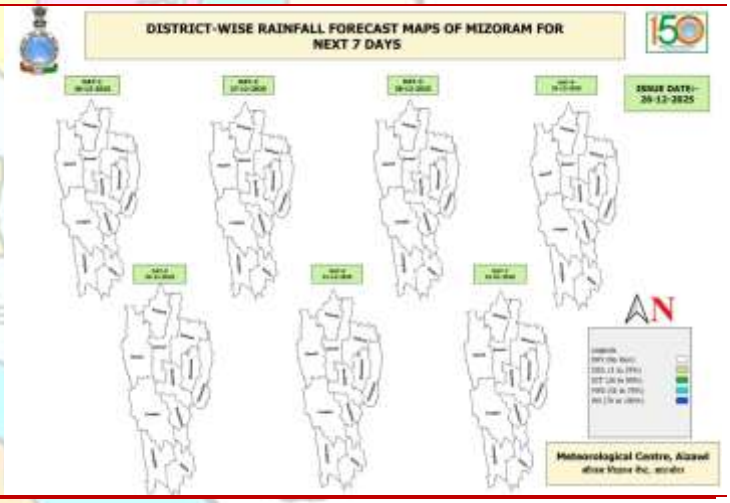
(Prepared based on District wise Weather Forecast received from IMD, Guwahati)

State Composite Bulletin **Bulletin No: Kolasib- 76/ 2025-26 (English)** **Issue Date: 26th December, 2025**

COMPOSITE STATE WEATHER FORECAST UPTO 08:30 AM OF 31.12.2025

No rainfall is predicted during the upcoming 5 days. The maximum and minimum temperature will be in the range of 22-25^{0}C and 6-12^{0}C respectively. Maximum and minimum relative humidity is expected to be 78-86% and 71-76% respectively. Wind speed will be in the range of 3.6-6.3 Km/hr from South-East direction. Clear sky will prevail during upcoming 5 days.





Warning: **Possibility of foggy weather Kolasib and Mamit from 26.12.2025 to 27.12.2025**

Agromet advisories

1. **Falling night temperatures may induce cold stress in standing crops, particularly vegetables and newly emerged seedlings. Farmers are advised to maintain optimum soil moisture through light irrigation, which helps moderate soil temperature.**
2. **Poultry birds are highly sensitive to low night temperatures. Proper insulation of poultry sheds is essential to maintain warmth during night hours.**

Weekly Extended Rain Forecast Services (ERFS)

****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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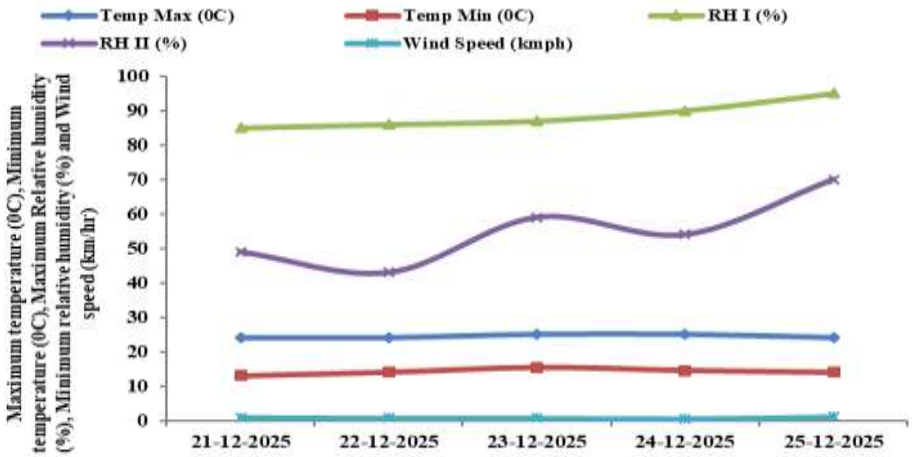
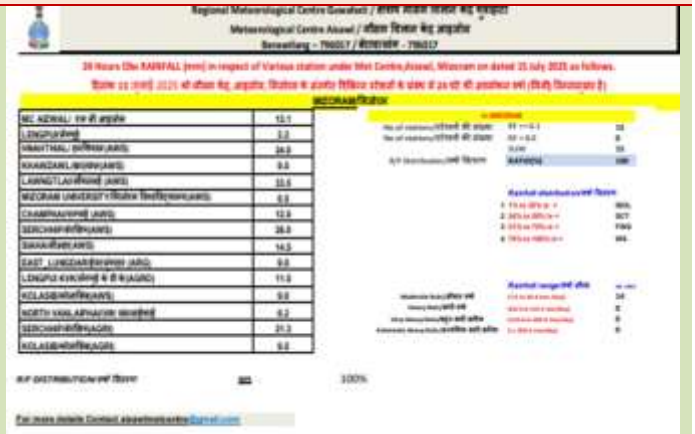
Summary of five days weather over the State (21st to 25th December, 2025):



Normalized Difference Vegetative Index (NDVI)	According to NDVI, Agriculture vigour is good in the state during 03rd to 10th December, 2025

Weather summary for last five days (21st to 25th December, 2025):

No rainfall occurred during last three days. The maximum and minimum temperatures for the last 3 days ranged from 21-23^{0}C and 09-12^{0}C. Maximum relative humidity was recorded in the range of 82-91% and minimum from 49-63%. Wind direction was southwesterly with the wind speed of 0.8-1.5 km per hour. Mainly to partially cloudy sky prevailed last three days.



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

Aizawl	Champhai	Kolasib	Lawngtlai
-23	-87	19	-15
Lunglei	**Mamit**	**Siaha**	**Serchhip**
		19	-25

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

Major *Rabi 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
***Rabi* Maize**	Vegetative to flowering stage	Vegetative to flowering stage	Vegetative stage
Vegetable pea, mustard and blackgram (Rice fallow)	Vegetative stage	Vegetative stage	Vegetative stage
Rajma	Vegetative stage	Vegetative stage	Vegetative stage
Gourd (Pumpkin and cucumber)	Vegetative stage	Vegetative stage	Vegetative stage
Sesame/ perilla	Harvesting stage	Harvesting stage	Harvesting stage
Sugarcane	Vegetative to flowering stage	Vegetative to flowering stage	Vegetative stage
Early crucifer	Card formation stage	Card formation stage	Card formation stage
Radish	Harvesting stage	Harvesting stage	Harvesting stage
Leafy mustard	Harvesting stage	Harvesting stage	Harvesting stage
Vegetable frenchbean	Pod formation to harvesting stage	Pod formation to harvesting stage	Pod formation to harvesting stage
***Rabi* tomato**	Vegetative stage	Vegetative stage	Vegetative stage
Carrot	Germination to vegetative stage	Germination to vegetative stage	Germination to vegetative stage
Crucifer	Transplanting to vegetative stage	Transplanting to vegetative stage	Transplanting to vegetative stage
Mandarin	Harvesting stage	Harvesting stage	Harvesting stage
Coffee	Harvesting stage	Harvesting stage	Harvesting stage
Kiwi			Harvesting 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. Irrigation should be applied every three to four days if soil moisture decreases and water sources are available, or farmers can adopt soil water conservation practices to keep agricultural fields at an ideal moisture level.
2. Protect cattle and goats from night time cold waves by housing them in shelters with dry bedding. Increase protein and mineral content in their meals to improve health and cold weather resistance. Winter energy demands may be met by eating a mineral combination, salt, wheat grains, jaggery, and other substances at 10%–20% of their daily ration.
3. Farmers should provide sprinkle irrigation during evening or early morning or smoke treatment to nursery of horticultural crops to avoid freezing stress.
4. Farmers are advised to aerate their ponds either by adding fresh water or by using aerators, especially during early hours of the day to reduce oxygen deficiency.
5. Farmers are advised to survey the changes in the behavior of fishes in colder days as it might be an indication of incidence of any disease.

SMS BULLETIN

Farmers should apply Propiconazole 25% EC @ 1.0 ml/lit of water to prevent leaf rust in frenchbean fields due to favourable weather.

Maize

(Flowering stage)

1. Farmers are advised to adopt soil and water conservation practices and provide irrigation at 2–3 day intervals to maintain adequate soil moisture in the field. As the crop is at the flowering stage, application of the recommended fertilizer dose (Urea + DAP) @ 30 kg per ha should be done when sufficient soil moisture is available.
2. With rising temperatures, the incidence of maize aphids is likely to increase. Farmers should install yellow sticky traps @ 4–5 per 100 square meters and apply *Verticillium lecanii* @ 4–5 ml per litre of water for early and effective control, especially where vegetables are grown in the inter-rows.

Mustard

(Vegetative stage)

1. As per weather condition, temperature drop continues day by day recorded, to prevent crop from freezing injury, apply sprinkler irrigation. If the soil is getting dry, give irrigation to keep soil moist during flowering stage. Apply urea as foliar application of {8 pumps per acre @ 15 g/15lit of water}.
2. There is possibility of aphid & saw fly attack in mustard crop due to decreasing minimum temperature and no sign of rainfall. farmers are advised to apply Imidacloprid 17.8 SL @ 2ml/l for effective control.
3. Honey bee colonies (6 nos/ha) may be planted in rapeseed fields after flowering in order to increase output through increased pollination.

Kidney bean

(Vegetative stage)

1. Root rot disease has been reported in the rajma/pea field due to dropping of temperature. As a preventive measure, farmers are advised to apply Mancozeb 75 percent WP @ 1.5 g/lit water against root rot.

General advice

(Foggy weather)

1. Reduce irrigation frequency to avoid excessive soil moisture, which can lead to root rot and other waterborne diseases during foggy periods.
2. Foggy conditions increase humidity, making crops susceptible to fungal diseases like powdery mildew and rust. Regularly inspect fields and apply appropriate fungicides (Hexaconazole 5% SC @ 1.5 ml/lit. of water) as a preventive measure.
3. For crops like vegetables and horticultural plants, ensure proper spacing and timely pruning to improve air circulation, reducing humidity around plants
4. Use foliar sprays containing micronutrients (especially zinc sulphate @ 5 g/lit. and potassium @5 g/lit.) to strengthen crop resilience against the stress caused by prolonged foggy conditions.

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General advice

(Ground frost)

1. Light irrigation before the onset of frost can increase soil moisture, which helps retain heat and reduce temperature fluctuations, protecting crops from frost damage.
2. Apply mulch (straw, dry leaves, or crop residues) around plants to insulate the soil and prevent heat loss, minimizing the risk of frost damage.
3. Light controlled fires in the fields to produce smoke during frosty nights. The smoke reduces heat loss by forming a protective layer, helping mitigate frost damage.

Fish

(All stages)

1. Timely weed removal should be carried out. Poorly managed ponds are infested with emergent, floating, submerged and marginal weeds. It reduces phytoplankton production (nutrient competition, prevent light penetration), causes oxygen issue (super saturation in day and depletion in the early morning), provides shelter to predator fish and insect, reduces the living space, increases siltation, and obstruct netting and harvesting. Manual method is advocated for weed removal because it is easier, less time consuming and cost effective.
2. In case of Branchiomycosis (gill rot) disease, addition of quick lime @ 50-100 kg/ha to affected pond should be considered.
3. In case of Fin and Tail rot disease, dip treatment of the infected fish with copper sulphate ($CuSO_4$) for 1-2 minutes at a concentration of 2 mg/ lit may be considered. This may be followed by feeding tetracycline to the infected fish along with feed at a concentration of 10-15 mg/ kg body weight of fish.

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