

**Impact based forecast (IBF) for Agriculture, horticulture, livestock and fisheries for all the districts of Mizoram (based on the forecast issued on 17-04-2025)**

**District Level Forecast and warning issued by RMC, Guwahati on 17-04-2025**

17.04.2025 to 21.04.2025	<ul style="list-style-type: none"> <li>Severe thunderstorm with gusty wind (40-50 KMPH) and moderate to heavy rainfall very likely to occur at isolated places of all the districts of Mizoram from 17<sup>th</sup> to 21<sup>st</sup> April.</li> </ul>
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District	Crop	Stage	Likely Impact on crop/ animal/ Fishery	Advisory
All the districts of Mizoram	Rabi Maize	Maturity stage	<ul style="list-style-type: none"> <li>Lodging due to gusty wind.</li> <li>Mature and immature cob damage.</li> </ul>	<ul style="list-style-type: none"> <li>Farmers are advised to harvest the mature cobs as early as possible.</li> <li>Earthing up by soil and bamboo support should be provided to long duration maize plant/ flowering stage maize plant.</li> <li>There is a possibility to increase blight infection on standing maize. Farmers should adopt control measures based on the severity of the disease.</li> </ul>
	Cucurbitaceous crop	Germination to vegetative stage	<ul style="list-style-type: none"> <li>Seed displacement in newly sowing field.</li> <li>Poor germination due to water logging.</li> <li>Lodging due to gusty wind.</li> </ul>	<ul style="list-style-type: none"> <li>Maintain the drainage facility to reduce water stagnation problem as moderate to heavy rainfall is predicted next two days.</li> <li>Farmers are advised to adopt ladder like bamboo structure for Cucurbit crops as moderate to light rainfall with gusty wind is predicted.</li> <li>Fertilizer and pesticide application and intercultural operation should be suspended during rainy period.</li> </ul>
	Jhum (Maize, cowpea, ricebean, pumpkin and cucumber)	Sowing stage	<ul style="list-style-type: none"> <li>Seed displacement due to moderate to light rainfall with gusty wind.</li> </ul>	<ul style="list-style-type: none"> <li>Farmers are advised to provide mulch to newly sow field of maize, cowpea, ricebean, pumpkin and cucumber due to possibility of moderate to heavy rainfall with gusty wind.</li> </ul>
	Tomato/ capsicum	Vegetative stage	<ul style="list-style-type: none"> <li>Lodging of plant due to water logging and gusty wind.</li> <li>Lodging of flower and fruits due to gusty wind.</li> <li>Fruits rot problem</li> </ul>	<ul style="list-style-type: none"> <li>Farmers are advised to harvest ripe fruits promptly due to the forecast of gusty winds and moderate to heavy rainfall.</li> <li>Farmers should ensure that stakes for agricultural and horticultural crops are properly maintained as these crops reach flowering to fruit formation.</li> </ul>
	Okra	Germination to vegetative stage	<ul style="list-style-type: none"> <li>Seed displacement</li> <li>Poor germination due to water logging</li> <li>Lodging due to gusty wind.</li> </ul>	<ul style="list-style-type: none"> <li>There is a possibility of water stagnation resulting from the current and predicted moderate to heavy rainfall; farmers are advised to maintain their drainage channels.</li> <li>Support should be provided to fruit bearing plant as gusty wind is forecasted.</li> <li>Temperature fluctuation may increase the infestation of leafhopper infestation. Farmers are advised to spray Imidachloride 17.8 SL @ 0.5 ml per liter or Abamectin @ 0.5 ml per liter one or two days after rainfall.</li> </ul>
	Papaya/ banana	Physiological mature stage	<ul style="list-style-type: none"> <li>Plant lodging due to water logging.</li> <li>Fruit lodging due to moderate to heavy rainfall and gusty</li> </ul>	<ul style="list-style-type: none"> <li>Provide support to the fruit bearing plants due to moderate to heavy rainfall with gusty rainfall is predicted.</li> <li>Farmers should harvest the mature fruits as</li> </ul>

			wind.	<p>early as possible due to the possibility of moderate to heavy rainfall.</p> <ul style="list-style-type: none"> <li>• Farmers may wrap the bigger, healthy fruits as there is a possibility of heavy rainfall to hailstorms.</li> </ul>
	Pig and cow	All stage	<ul style="list-style-type: none"> <li>• Pneumonia and fever due moderate to light rainfall.</li> </ul>	<ul style="list-style-type: none"> <li>• Farmers are advised to keep their livestock inside animal shade as moderate to heavy rainfall along with thunderstorm may occur.</li> <li>• Farmers are advised to repair the damage roof of animal shade as moderate to heavy rainfall may occur next two days.</li> <li>• Possibility of animal fall down may occur due to rainfall, floor should be dry/clean, windows/ door must be close during rainy time.</li> </ul>
	Fish	All stage	<ul style="list-style-type: none"> <li>• Escaping fish from pond.</li> <li>• Aeration problems.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure proper drainage around the pond to avoid flow of muddy water from surrounding into the pond. Check the walls of the pond for any damage caused by continuous heavy rain and immediately repair damaged parts. Proper embankment needs to be constructed along side the pond area.</li> <li>• Farmers are also advised to construct a outlet with proper netting in their pond to drain out excess water in case of heavy rainfall, thereby maintaining the water level in the pond.</li> <li>• Farmers are also advised to stop feeding the fish for 1-2 days and take measures for proper aeration of the pond by letting ducks to paddle in the pond or the water surface should be disturbed by beating water with bamboo poles, which will do the required aeration.</li> </ul>
	Gusty wind		<ul style="list-style-type: none"> <li>• Plant lodging and destruction of plant parts.</li> </ul>	<ul style="list-style-type: none"> <li>• Gusty winds and hail can physically damage or destroy crops. This can include breaking plants, bruising fruit, and shredding leaves.</li> </ul>
	Thunderstorm		<ul style="list-style-type: none"> <li>• Livestock stress and injury.</li> <li>• Water Quality Changes</li> </ul>	<ul style="list-style-type: none"> <li>• Thunderstorms can cause significant stress to animals, leading to reduced productivity (e.g., lower milk yields). Physical injuries can also occur due to debris or structures damaged by the storm.</li> <li>• Thunderstorms can lead to sudden changes in water quality in both freshwater and marine environments. Increased runoff can introduce pollutants, sediment, and nutrients into water bodies, leading to lower oxygen levels (hypoxia) or harmful algal blooms.</li> </ul>

**DISTRICTWISE WEATHER WARNING FOR MIZORAM**

State/ MIZORAM	MIZORAM	Date:/दिनांक	17-Apr-2025/17-अप्रैल, 2025		Time of Issue: MID DAY समय:दोपहर
District	Day 1/दिन 1	Day 2/दिन 2	Day 3/दिन 3	Day 4/दिन 4	Day 5/दिन 5
	17-apr-2025 17-अप्रैल 2025	18-apr-2025 18-अप्रैल 2025	19-apr-2025 19-अप्रैल 2025	20-apr-2025 20-अप्रैल 2025	21-apr-2025 21-अप्रैल 2025
MIZORAM					
MAMIT/ मामित	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning and heavy rain very likely at isolated places.	No Warning	Thunderstorm with lightning and heavy rain very likely at isolated places.	Thunderstorm with lightning and heavy rain very likely at isolated places.
KOLASIB/ कोलासिब	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning and heavy rain very likely at isolated places.	No Warning.	Thunderstorm with lightning and heavy rain very likely at isolated places.	Thunderstorm with lightning and heavy rain very likely at isolated places.
AIZAWL/ आइजोल	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning and gusty wind with wind speed 30 to 40 kmph very likely at isolated places.	Thunderstorm with lightning and gusty wind with wind speed 30 to 40 kmph very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.
CHAMPAI/ चम्पाई	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning and gusty wind with wind speed 30 to 40 kmph very likely at isolated places.	Thunderstorm with lightning and gusty wind with wind speed 30 to 40 kmph very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.
SERCHHIP/ सरचिप	No Warning	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning and gusty wind with wind speed 30 to 40 kmph very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.
LUNGLEI/ लुंगलेई	No Warning.	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.

LAWNGTLAI/ लौंगतलई	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.
SAIHA/ साहिया	No Warning	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.
SAITUAL/ सैतुल	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning and gusty wind with wind speed 30 to 40 kmph very likely at isolated places.	Thunderstorm with lightning and gusty wind with wind speed 30 to 40 kmph very likely at isolated places.	No Warning.	Thunderstorm with lightning very likely at isolated places.
KHAWZAWL/ खाज़ोल	No Warning	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.	No Warning	Thunderstorm with lightning very likely at isolated places.
HNAHTHIAL/ हन्थियाल	No Warning.	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.	Thunderstorm with lightning very likely at isolated places.

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

**\*\*किसी भी दिन के लिए चेतावनी उस दिन के 0830 बजे IST से अगले दिन के 0830 बजे IST तक वैध है।**

Warning/चेतावनी	Probabilistic Forecast/संभाव्य पूर्वानुमान	
	Terms /शर्तें	Probability of Occurrence(%)
Warning(Take Action)	Unlikely/संभावना नहीं	Warning(Take Action)
Alert(Be Prepared to take action)	Likely/संभावित	Alert(Be Prepared to take action)
Watch(Be Updated)	Very Likely/बहुत संभावना है	Watch(Be Updated)
No Warning(No Action)	Most Likely/सबसे अधिक संभावना	No Warning(No Action)

Kindly download and use “MAUSAM App” for location specific forecast and warning, “Meghdoot App” for Agromet advisory and “Damini App” for Lightning Warning.

For updated detailed weather forecast, kindly visit our website(<https://mausam.imd.gov.in/aizawl/>)

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For weather enquiry of any station in country: 1800220161(Toll free)