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## ***VOLUME N° 33: THIRD DEKA OF NOVEMBER 2025***



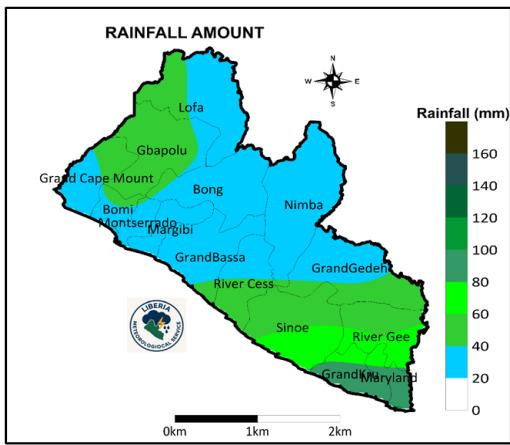
### ***Summaries***

- ◆ Rainfall Analysis
- ◆ Temperature Analysis
- ◆ Livelihood Comfortability Index
- ◆ Vegetative Condition
- ◆ Monthly Forecast
- ◆ Farmer Advisory

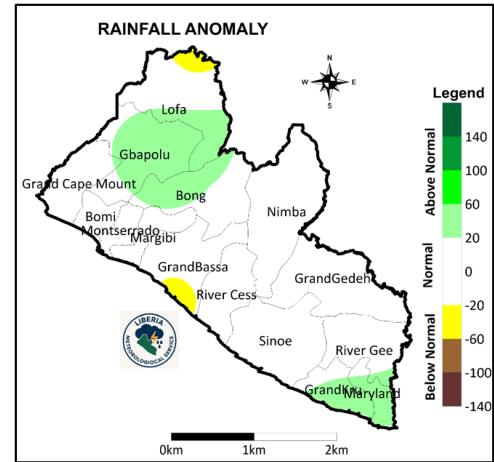
## AGROMETEOROLOGICAL CONDITION

**Rainfall during the third Dakad of November 2025:** The third DEKAD of November 2025 were characterized by heavy to moderate rainfall in the west and southeast parts of the country, represented in deep green and light green. In contrast, the north, southwest and central region received low rainfall during the same period, as shown in blue color. Nationwide, rainfall amounts ranged from **24.0mm** to **101.1mm** (Figure 1).

**Normal rainfall (1990-2020):** As compare to the normal rainfall, part of counties such as Gbapolu, Lofa, Bong, Grand Kru and Maryland received above normal rainfall marked in green color. Northern part of Lofa and Southern part of Grand Bassa received below normal rainfall marked in yellow color. The counties marked in white received normal rainfall (figure 2)



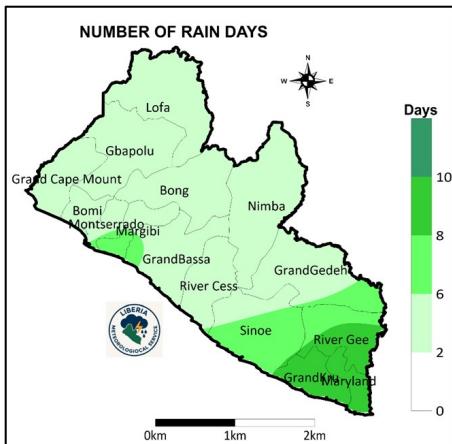
**Figure 1: Rainfall amount during the third DEKAD of November 2025**



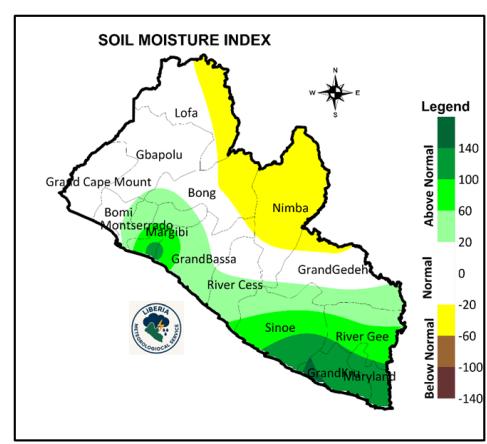
**Figure 2: Rainfall Normal considering 1990-2020**

**Number of rainfall days during the third Dekad of November 2025:** During the third DEKAD of November 2025, River Gee, Maryland, Grand Kru and part of Sinoe, Grand Gedeh and Margibi counties recorded the highest number of rainfall days while the rest of the counties recorded less rainfall days (figure 3).

**Soil Moisture Index (SMI) during the third DEKAD of November 2025:** The third DEKAD of November 2025 shows that costal counties such as Maryland, Grand Kru, River Gee, Sinoe, River Cess, Grand Bassa, Margibi and Montserrado has above normal moisture content in the soil. Parts of Lofa, Bong, Nimba and Grand Gedeh has below normal moisture content in the soil. The rest of the counties experienced normal soil moisture content (figure 4).



**Figure 3: Number of rainfall days**



**Figure 4: Soil Moisture Index**

## EVOLUTION OF TEMPERATURES

**Maximum Temperature:** The third DEKAD of September 2025 was marked by an increase in maximum temperatures across the country. Areas shaded in deep red indicate locations that recorded the highest maximum temperatures, while Lofa and Grand Kru recorded the lowest. Maximum temperatures ranged between **28.2°C** and **29.7°C** (Figure 6).

Compared to the long-term mean (1990–2020), Lofa, Gbapolu, and part of Nimba and Grand Gedeh experienced a decrease in maximum temperature while part of Margibi and Grand Bassa experienced increase. The rest of the countries remain normal (Figure 7).

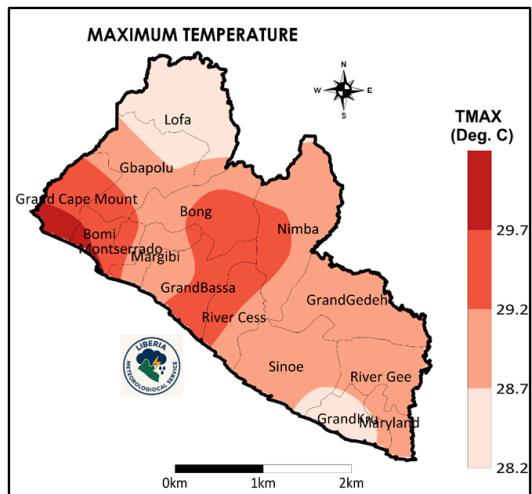


Figure 7: Maximum temperatures at 2m during the third DEKAD of November 2025

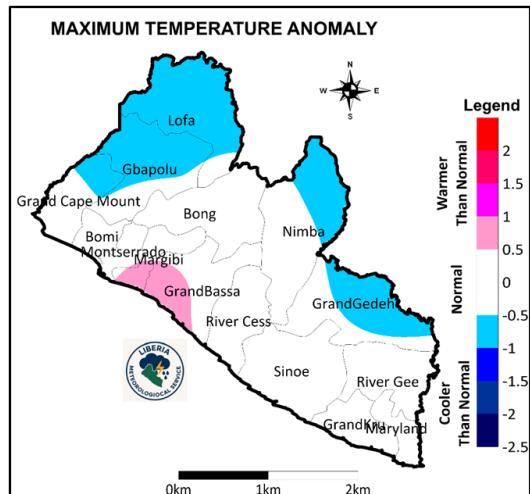


Figure 8: Maximum Temperature Normal considering (1991-2020)

**Minimum Temperature:** The third DEKAD of November 2025 were marked by variations in minimum temperatures. The southern (costal) region experienced highest values, while the northern and northwestern region experienced the lowest. Minimum temperature during this period ranged from **19.0°C** to **25.0°C** (figure 7).

Compared to the long-term mean (1990–2020), Gbapolu and part of Lofa, Grand Cape Mount, Montserrado Margibi and Bong experienced an increase in minimum temperature while the other parts of Country experienced a decrease from normal condition (figure 8).

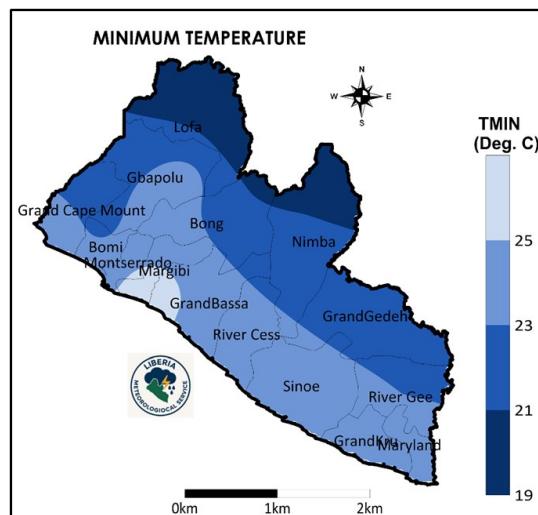


Figure 7: Minimum temperatures at 2m during the third DEKAD of November 2025

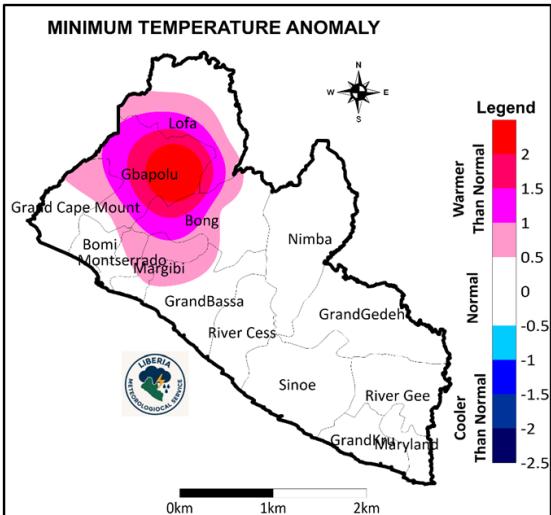


Figure 8: Minimum Temperature Normal considering (1991-2020)

## NORMALIZED VEGETATION INDEX (NDVI)

During the third DEKAD of November 2025, the north and the northwestern part of the country were covered by less dense vegetation. However, the central and southern region experienced less dense vegetation (Figure 9).

**Livestock Comfortability Index (LCI):** During the third dekad of November 2025, livestock are experienced mild thermal stress due to rising daytime temperatures, moderate humidity, and reduced wind speeds. Animals shows slight discomfort and reduced feeding during peak afternoon hours, but no major health risks are anticipated with proper shade and hydration (Figure 10).

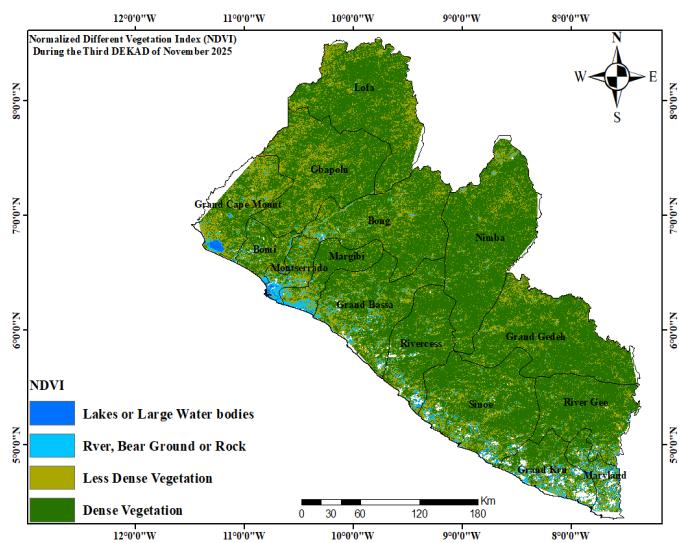


Figure 10: NDVI during the third DEKAD of Sept. 2025

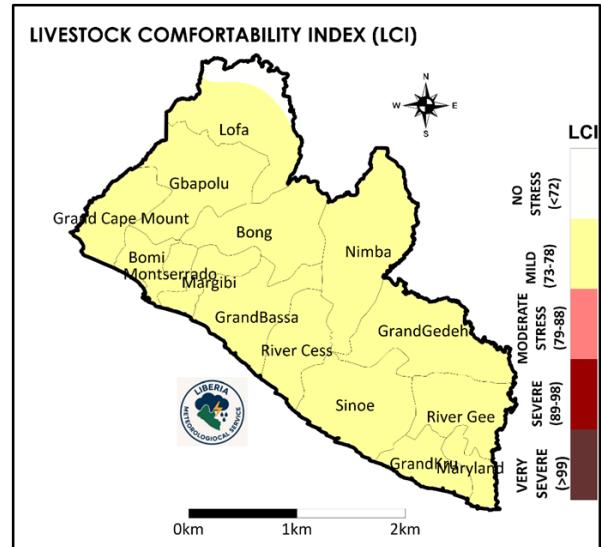


Figure 8: Livestock Comfortability Index

## FORECAST FOR THE MONTH OF DECEMBER 2025

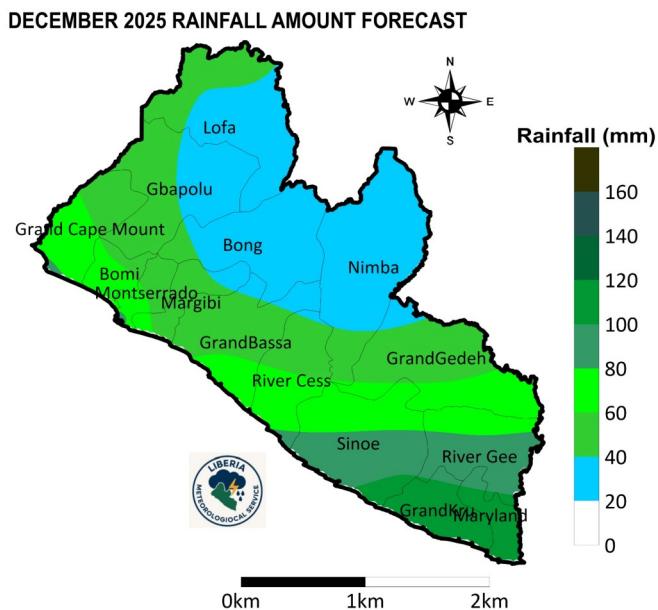


Figure: Rain forecasts for December 2025

**RAINFALL:** In December 2025, the forecasted cumulative rainfall amount across the counties is anticipated to be between 25.3 mm and 119.4 mm. The south-east coastal counties are expected to record rainfall amounts between 60.0 mm and 110.0mm. Rainfall amounts of below 60.0 mm are predicted over the northern counties figure 11.

DECEMBER 2025 RELATIVE HUMIDITY FORECAST

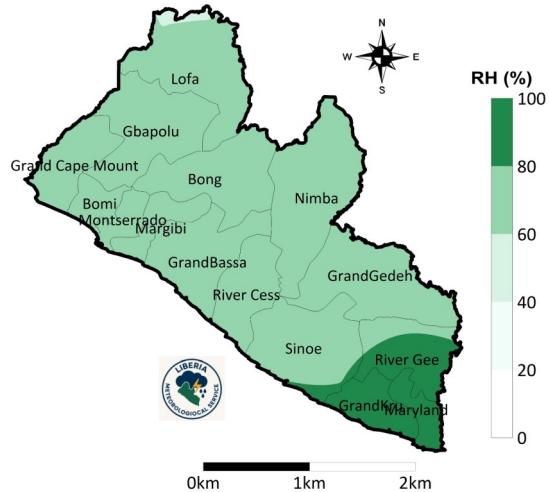


Figure 12: Relative humidity forecasts for December 2025

**Relative Humidity:** Relative humidity across Liberia for December 2025 is predicted to range from 69% to 83%, as shown in Figure 12. The highest range of values (80–83%) is expected in the southern counties. The extreme north is expected to record the lowest relative humidity, 69% while the rest of the country is expected to record a range of 70% to 80%.

DECEMBER 2025 MAXIMUM TEMPERATURE FORECAST

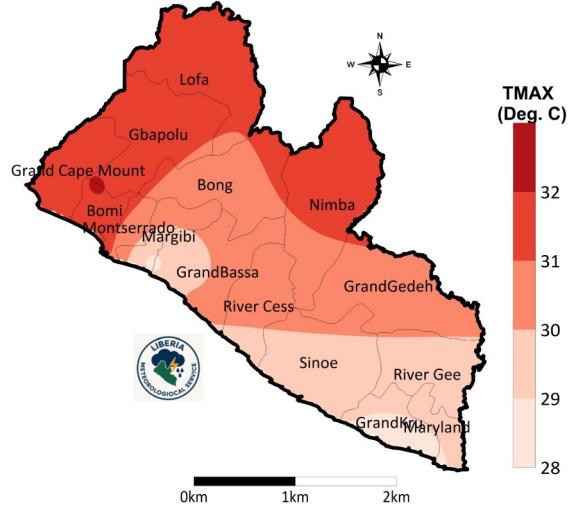


Figure 12: Tmax forecasts for December 2025

**Maximum Temperature:** The maximum temperature in December 2025 is anticipated to be 28.6°C to 32.1°C across the counties. The lowest and highest maximum daytime temperatures of 28.6°C and 32.1°C are predicted over Margibi and Grand Cape Mount counties (figure 13).

DECEMBER 2025 MINIMUM TEMPERATURE FORECAST

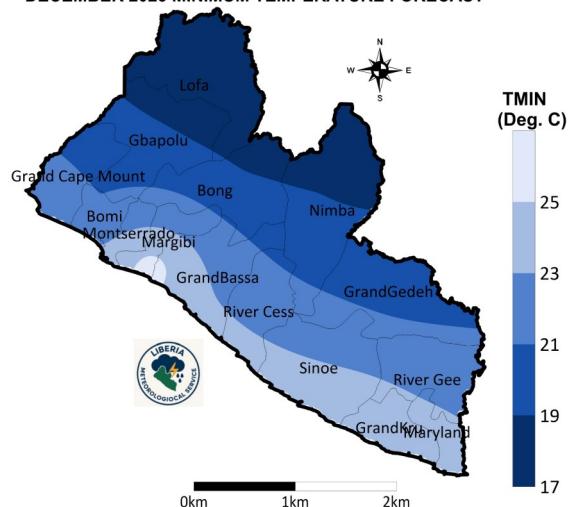


Figure 12: Tmin forecasts for December 2025

**Minimum Temperature:** Nighttime temperatures across the country in December 2025 are anticipated to range between 17.4°C and 25.9°C. The lowest nighttime temperature range of 17.4°C to 19.0°C is anticipated in Lofa, parts of Gbapolu, Bong and Nimba counties, while the highest nighttime temperature of 25.9°C is expected over parts of Margibi County (Figure 14).

## **Farmers Advisories**

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As rainfall is expected to increase in the coming month and soils steady saturated, farmers are strongly encouraged to take the following precautions in their agricultural practices:

- Field Preparation:**

Properly prepare fields to reduce the risk of flooding and minimize potential crop damage.  
Create drainage channels where possible to prevent waterlogging.

- Crop Management:**

Plant water-resistant or flood-tolerant crop varieties to reduce the risk of losses.  
Monitor crops regularly for signs of disease or stress caused by excess moisture.  
Irrigate only when you observe reduced soil moisture, and avoid overwatering  
during wet periods

- Livestock Management:**

Move animals to higher ground to avoid flooding and reduce the risk of waterborne diseases.  
Ensure animals are properly housed and maintain good hygiene to prevent disease outbreaks.  
Provide clean drinking water regularly to prevent dehydration and heat stress.  
Check livestock frequently for symptoms of illness and provide timely treatment when needed

- General Precautions:**

Stay informed about weather updates through the Liberia Meteorological Service website.  
Work closely with local agricultural extension officers for region-specific advice on crop and  
livestock management

**By taking these proactive measures, farmers can protect their crops and livestock, reduce losses, and maintain productive agricultural practices during periods of increased rainfall**

## Average values of meteorological parameters for the Third DEKAD of November 2025

Stations	Temperature at ten (10) meters			Precipitation	Humidity
	Ave. Tx	Ave. Tn	Ave. Temp	Rainfall Sum	Ave. Hum.
AGBAS81	29.3	24.6	27.0	38.3	83.7
AGBEL87	28.7	24.0	26.4	41.7	84.0
AGCAR83	29.4	21.6	25.5	33.1	86.4
AGFOY86	28.3	19.3	23.8	44.4	78.9
AGFTI80	29.6	22.5	26.1	41.8	86.8
AGFTW82	28.9	23.1	26.0	59.8	87.4
AGGCM89	29.9	24.4	27.2	32.4	83.7
AGSAR85	29.2	21.1	25.2	24	86.9
AGVON84	28.3	19.3	23.8	32.3	78.9
AGZOR88	28.3	19.4	23.9	31.3	80.0
RF-06-KAB	28.6	24.2	26.4	77.3	84.6
SYGCA64	28.4	25.1	26.8	96.4	82.6
SYHAR63	28.9	24.3	26.6	101.4	84.0
SYROB60	28.7	26.5	27.6	37.7	78.9
SYSPA65	29.7	24.5	27.1	37.5	83.3
SYTPT62	29.218	22.057	25.6	24.2	87.3
SYZWD61	28.907	22.04	25.5	33	87.8

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**Motto: Weather is everybody business**

The Liberia Meteorological Service (LMS) is responsible for providing meteorological services to support the social and economic progress of Liberia, ensure the safety and well-being of its population, and fulfil its international obligations.

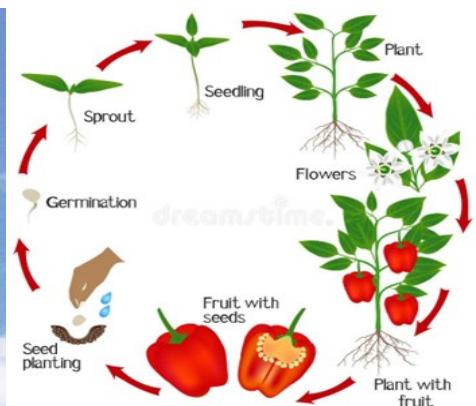
It was created by an Act of Legislation in April 1972 and was placed under the Ministry of Transport. Prior to that, it was under the Ministry of Commerce, Industry and Transportation.



Hot pepper



MET. Observation



Phenology of pepper