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## ***VOLUME N° 24 THIRD DEKAD OF AUGUST 2026***



### ***Summaries***

- ◆ RAINFALL ANALYSIS
- ◆ TEMPERATURE ANALYSIS
- ◆ POTENTIAL EVAPOTRANSPIRATION
- ◆ LIVELIHOOD COMFORTABILITY INDEX
- ◆ MONTHLY CLIMATE OUTLOOK
- ◆ FARMER ADVISORY

## AGROMETEOROLOGICAL CONDITION

**Rainfall:** During the third dekad of August 2026, the western parts of the country experienced relatively high rainfall, with **Lofa, Bomi, Montserrado, and Margibi Counties** recording the highest amounts. Nevertheless, **Maryland, Grand Kru, Sinoe, River Gee, and Grand Gedeh Counties** received little or no rainfall during the period, while moderate rainfall was observed across other parts of the country. Nationwide, accumulated rainfall ranged from **0.0 mm to 208.0 mm** during the third dekad of August 2026 (figure 1).

**Rainfall Anomaly (1990-2020):** Compared with the long-term climatological mean, most parts of the country observed normal rainfall with Lofa county experiencing above normal condition (figure 2).

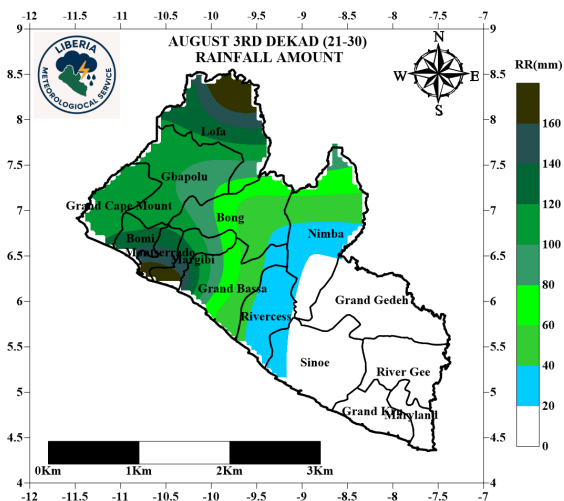


Figure 1: Rainfall Amount

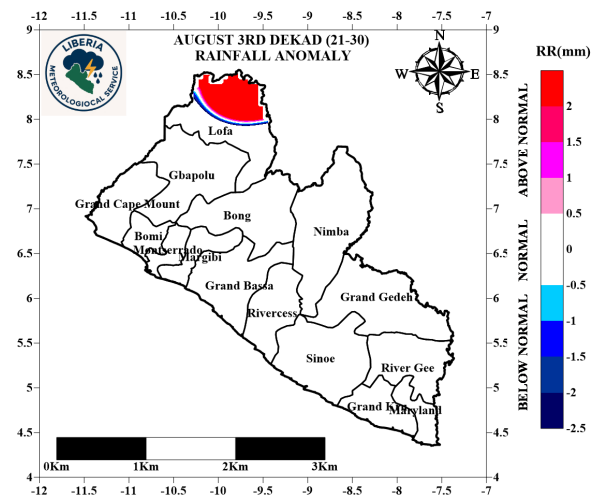


Figure 2: Rainfall Anomaly (1990-2020)

**Number of rainy days:** During the Third dekad of August 2026, the western and central parts of the country experienced the highest number of rainy days. Nevertheless, Maryland, Grand Kru, Rivergee, Grand Gedeh, Sinoe, Rivercess and parts of Nimba county experienced less or no rainy days. Nationwide, rainy days was observed between zero to nine days (figure 3).

**Soil Moisture Index (SMI) :** During the Third dekad of August 2026, soil moisture conditions were above normal in the western and central parts of the country. However, Maryland, Grand Kru, Rivergee, Grand Gedeh, Sinoe, Rivercess and parts of Nimba experienced below normal soil moisture condition (figure 4).

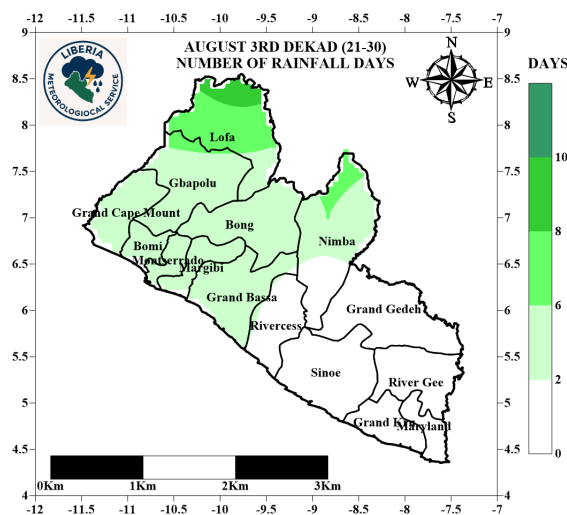


Figure 3: Number of rainy days

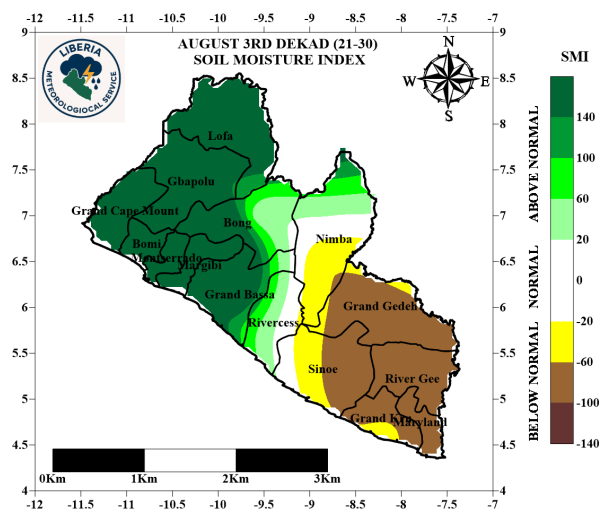


Figure 4: Soil Moisture Index

## EVOLUTION OF TEMPERATURES

**Maximum Temperature:** The third dekad of August 2026 was marked by variation in maximum temperature across the country. Nimba and parts of Bong County experienced highest maximum temperature while Sinoe, Rivergee, Grand Kru and Maryland counties record relatively low maximum temperature. The other parts of the country experienced moderate maximum temperature. During this period, maximum temperature was observed between  $26.3^{\circ}\text{C}$  and  $27.8^{\circ}\text{C}$  (Figure 5).

**Compared to the long-term mean (1990–2020),** most parts of Country experienced normal conditions. However, parts of Grand Kru, Rivergee, Grand Gedeh, Bomi and Maryland counties experienced below normal conditions (Figure 6). Lofa County experienced warmer than normal condition during this period.

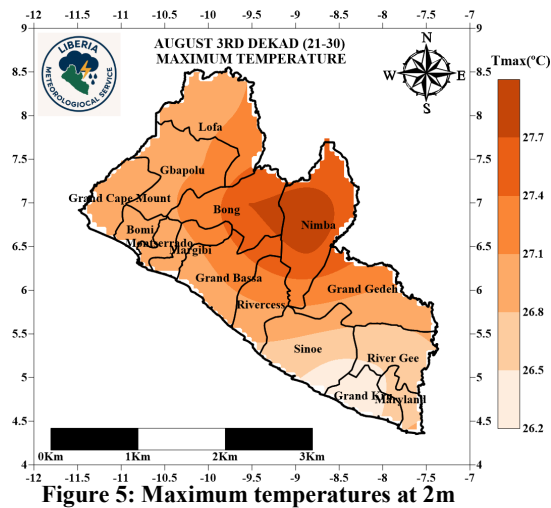


Figure 5: Maximum temperatures at 2m

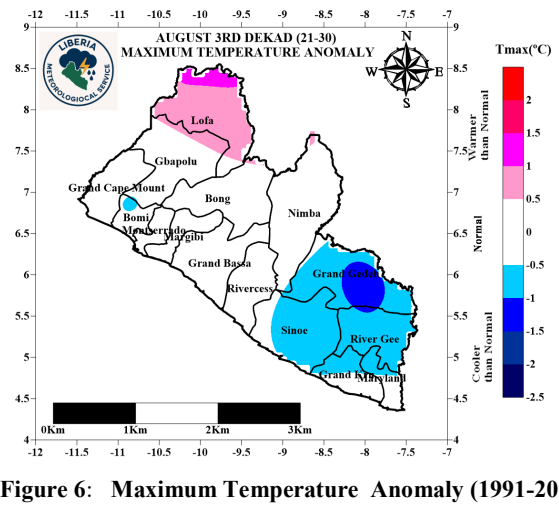


Figure 6: Maximum Temperature Anomaly (1991-2020)

**Minimum Temperature:** The Third dekad of August 2026 was characterized by variation in minimum temperature. The southern and central parts of the country experienced relatively high minimum temperature, while the northern region experienced the lowest. Minimum temperature during this period ranged from  $21.8^{\circ}\text{C}$  to  $25.7^{\circ}\text{C}$  (figure 7).

**Compared to the long-term climatological mean (1990–2020),** the country experienced warmer-than-normal conditions during this period (figure 8).

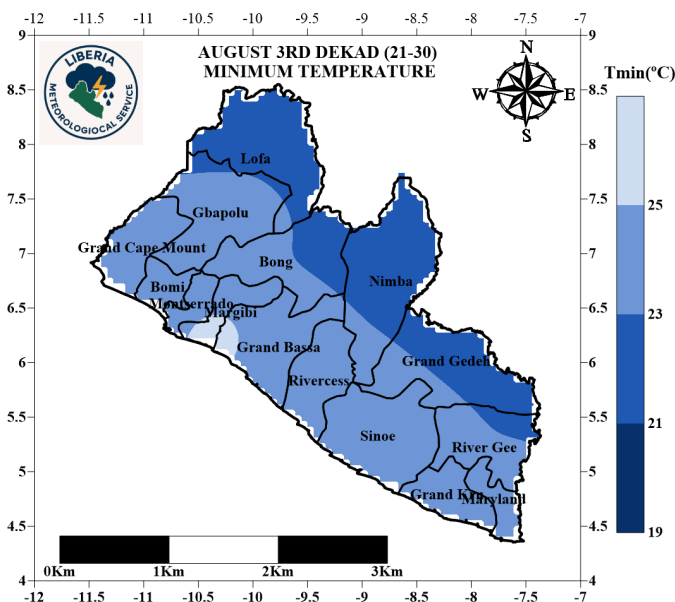


Figure 7: Minimum Temperature at 2m

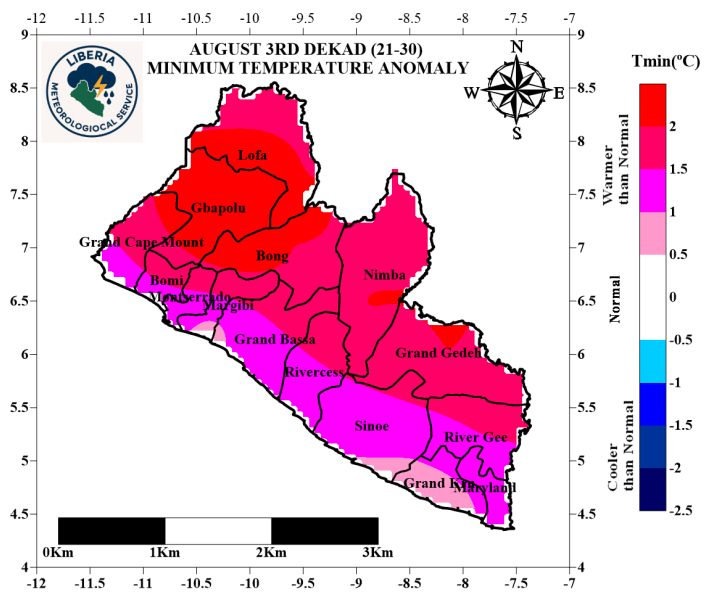


Figure 8: Minimum Temperature Anomaly (1991-2020)

## POTENTIAL EVAPOTRANSPIRATION

During the third Dekad of August 2026, the north of the country experienced intense sunshine with high evapotranspiration rates however, parts of Nimba county observed the highest. Nevertheless, the southern (coastal) region experienced lowest evapotranspiration rate while the central region experienced moderate evapotranspiration rate (Figure 9).

**Livestock Comfortability Index (LCI):** During the third Dekad of August 2026, livestock experienced moderate thermal stress due to rising daytime temperature, moderate humidity, and reduced wind speed. Nevertheless, animals in the coastal and southeast part of the country animals experienced mild condition while the other parts of the country show moderate discomfort and reduced feeding during peak afternoon hours (Figure 10).

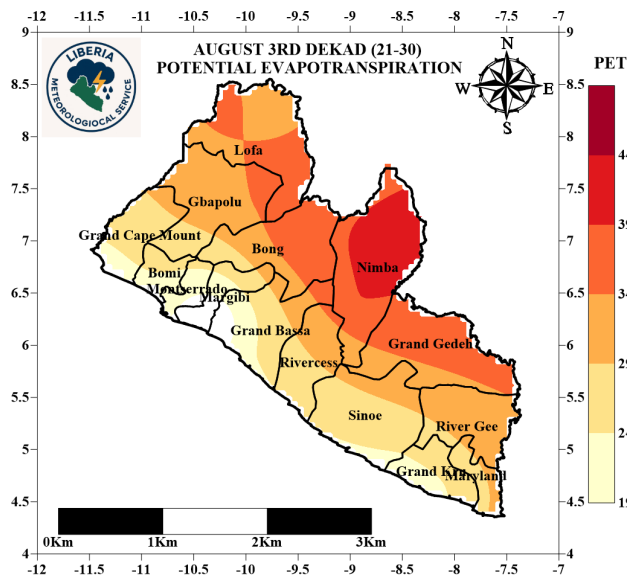


Figure 9: Third dekad PET

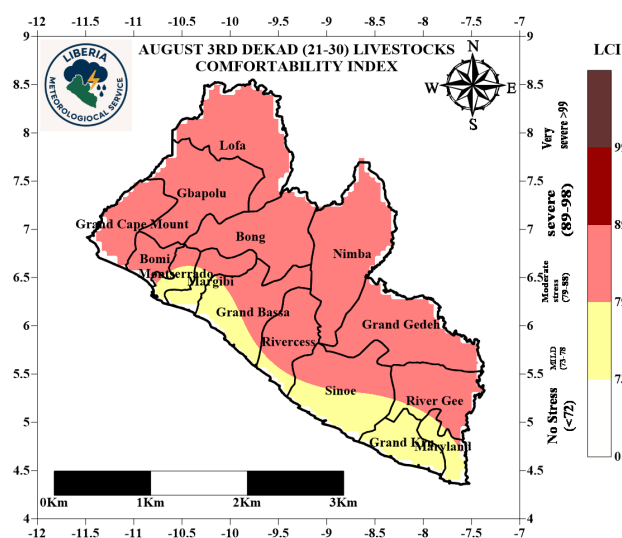


Figure 10: Third dekad Livestock LCI

## FORECAST FOR THE MONTH OF SEPTEMBER 2026

In **September 2026**, rainfall is expected to increase across the country, with total monthly rainfall expected to range from **352.2mm to 706.5mm**. Grand Cape Mount, Bomi, Montserrado, Margibi, Grand Bassa and Rivercess counties are expected to experience the highest rainfall amount. Nevertheless, Maryland, Grand Kru, River Gee, Grand Gedeh and parts of Nimba County are expected to record the lowest rainfall totals during the same period (figure 11).

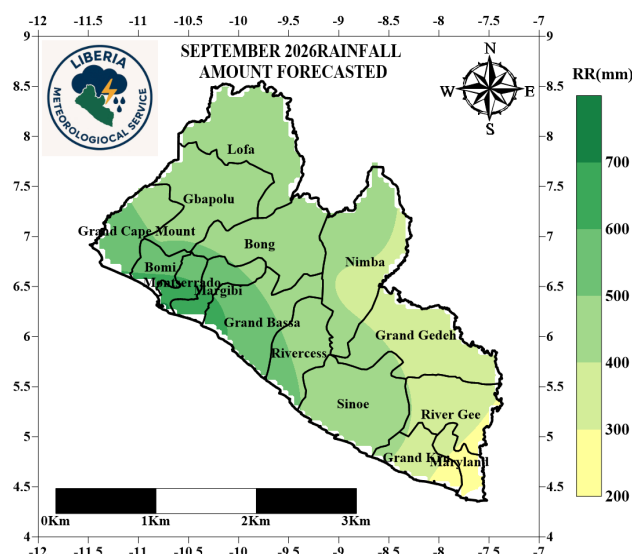
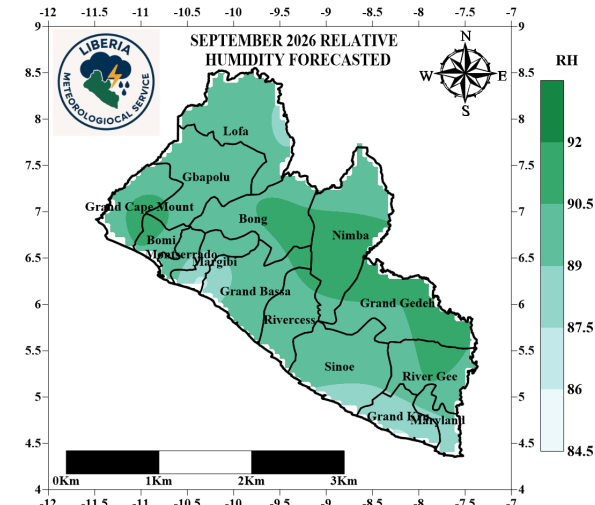


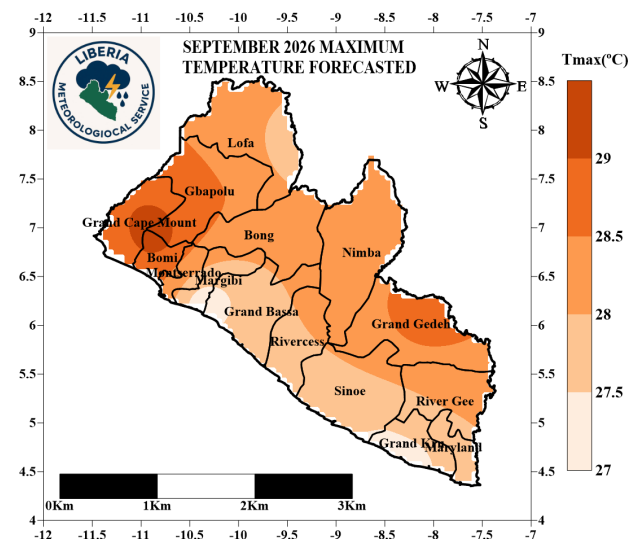
Figure 11: Rain forecasts for September 2026

## FORECAST FOR THE MONTH OF AUGUST 2026



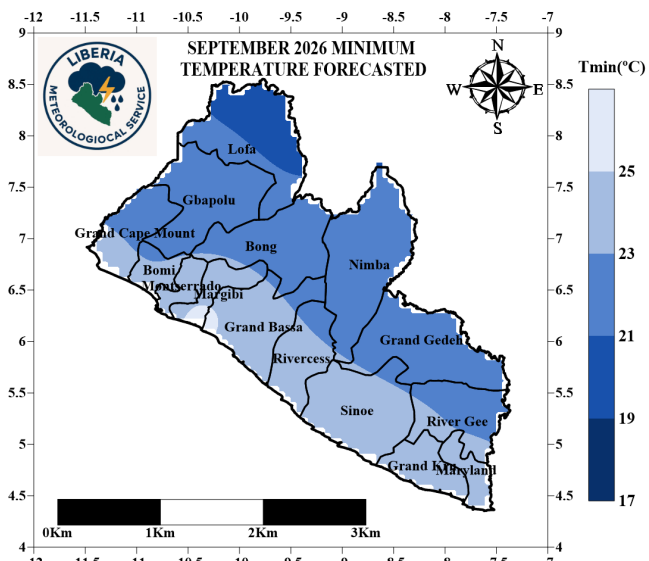
**Figure 12: RH forecasts for September 2026**

In September 2026, high average relative humidity is expected to increase in parts of Grand Cape Mount, Bomi, Bong, Nimba, Grand Gedeh and Rivergeee counties are expected to experience high relative humidity. Nevertheless, parts of Montserrado, Margibi, Sinoe, Grand Kru, and Maryland are predicted to experience low relative humidity during this period. Average relative humidity during the month is forecasted to range between 88.1% and 90.5% (figure 12).



**Figure 13: Tmax forecasts for September 2026**

**Maximum Temperature:** Maximum temperature in September 2026 is anticipated to range between 27.0°C to 29.2°C across the Country. Gbapolu, Grand Cape Mount, Bomi and Grand Gedeh counties are anticipated to experience high maximum temperature. Margibi, Grand Bassa, Sinoe, Grand Kru counties are anticipated to experience low maximum temperature. However, moderate maximum temperature is expected in the other parts of the country (figure 13).



**Figure 14: Tmin forecasts for September 2026**

**Minimum (Nighttime) Temperature :** In September 2026 minimum temperature across the country is anticipated to range between 20.8°C and 25.7°C. The highest minimum temperature is anticipated to occur along the coastal region including counties such as Maryland, Grand Kru, Sinoe, Rivercess, Grand Bassa, Margibi, Montserrado, Bomi and Grand Cape Mount counties while the lowest minimum temperature is expected in Lofa County. The other parts of the country are anticipated to experience moderate minimum temperature (Figure 14).

## Farmers Advisories

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Increased rainfall across the western central parts of the country has led to progressively saturated soils, while the southeastern part has experienced reduced rainfall and a decline in soil moisture conditions during the third decade of August. As forecasted that rainfall is expected to increase across the country during the month of September, farmers, agricultural stakeholders, and agro-industries are advised to take the following precautions to minimize potential impacts on agricultural activities:

- ◆ Farmers across the country are strongly advised to take additional precautionary measures in their farming activities. This is due to the expected continuation of heavy rainfall, which may lead to rising river levels and possible flooding of nearby farmlands and access roads. Such conditions could disrupt farm operations, damage crops, disrupt crop harvest and make transportation of agricultural products difficult. Therefore, farmers are encouraged to closely monitor local weather updates, secure farm inputs and harvested produce, and avoid crossing flooded roads or waterways during this period.
- ◆ Farmers are also strongly encouraged to regularly monitor their crops, as persistent rainfall may create favorable conditions for increased pest infestations across farmlands. In the event of any pest outbreaks, farmers should promptly take appropriate pest control measures, including the use of recommended agricultural practices and approved pesticides where necessary, to minimize crop damage and yield losses. **Note:** It is also recommended to seek advice from extension officer before taking these measures.
- ◆ Livestock producers are encouraged to keep their animals in well-protected shelters, as increased rainfall can contribute to the spread of infectious animal diseases. Prolonged wet conditions may also increase the incidence of respiratory illnesses and other health complications. However, extended dry periods can expose livestock to heat stress, water shortages, reduced feed availability, and an increased risk of disease. Therefore, livestock producers are advised to closely monitor their animals for signs of illness, heat stress, dehydration, or any abnormal behavior that may indicate disease or distress. If any symptoms are observed, prompt veterinary intervention and appropriate management measures should be taken to safeguard animal health, welfare, and productivity.
- ◆ Vegetable producers are advised to continue their farming activities upland and are strongly encouraged to properly design and lay out their fields, including the use of appropriate drainage and soil conservation practices, to minimize the risk of soil erosion and nutrient loss during periods of heavy rainfall events.

### General Precautions:

- ◆ Stay informed about weather updates through the Liberia Meteorological Service website (<https://meteoliberia.com>).
- ◆ 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 AUGUST 2026

| Stations  | Temperature at two (2) meters |         |           | Precipitation | Humidity  |
|-----------|-------------------------------|---------|-----------|---------------|-----------|
|           | Ave. Tx                       | Ave. Tn | Ave. Temp | Rainfall Sum  | Ave. Hum. |
| AGBAS81   | 26.9                          | 24.4    | 25.7      | 64.6          | 90.1      |
| AGBEL87   | 27.1                          | 24.0    | 25.6      | 85.3          | 92.8      |
| AGCAR83   | 27.7                          | 22.8    | 25.3      | 46.8          | 92.6      |
| AGFOY86   | 27.1                          | 21.8    | 24.4      | 135.5         | 91.5      |
| AGFTI80   | 27.0                          | 23.4    | 25.2      | 110.4         | 94.1      |
| AGFTW82   | 26.6                          | 23.1    | 24.8      | 10.7          | 91.2      |
| AGGCM89   | 27.0                          | 24.2    | 25.6      | 110.1         | 92.2      |
| AGSAR85   | 27.8                          | 22.5    | 25.2      | 45.7          | 92.1      |
| AGVON84   | 27.1                          | 21.8    | 24.4      | 208           | 91.6      |
| AGZOR88   | 27.2                          | 21.9    | 24.5      | 125.6         | 91.2      |
| RF-06-KAB | 26.3                          | 24.1    | 25.2      | 0             | 89.2      |
| SYGCA64   | 26.3                          | 24.3    | 25.3      | 13.7          | 86.9      |
| SYHAR63   | 26.8                          | 23.9    | 25.3      | 0             | 87.8      |
| SYROB60   | 26.8                          | 25.7    | 26.3      | 167.8         | 86.2      |
| SYSPA65   | 27.0                          | 24.4    | 25.7      | 169.2         | 90.9      |
| SYTPT62   | 27.8                          | 22.8    | 25.3      | 18.5          | 92.0      |
| SYZWD61   | 27.1                          | 22.7    | 24.9      | 11.1          | 92.4      |

**LIBERIA METEOROLOGICAL SERVICE**

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**Motto: Weather is  
everybody's 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.

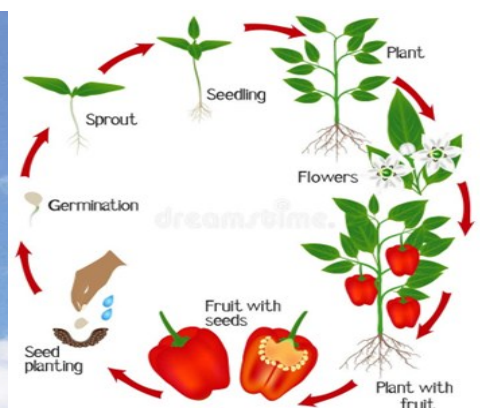
It was created by an Act of Legislation in August 1972 and was placed under the Ministry of Transport. Prior to that, it was under the Ministry of Commerce, Industry and Transportation.



**Hot pepper**



**MET. Observation**



**Phenology of pepper**