

REPUBLIQUE DU CAMEROUN  
Paix-Travail-Patrie

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OBSERVATOIRE NATIONAL SUR  
LES CHANGEMENTS CLIMATIQUES

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DIRECTION GENERALE



REPUBLIC OF CAMEROON  
Peace-Work-Fatherland

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NATIONAL OBSERVATORY  
ON CLIMATE CHANGE

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DIRECTORATE GENERAL

ONACC-NOCC

# Information note for Forecasts and Dekadal Climate Alerts Bulletin **N°186**

For **21<sup>st</sup> to 30<sup>th</sup> April, 2024**

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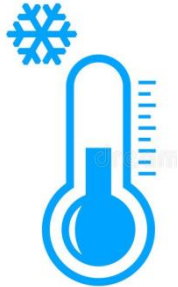
## LEGEND



= **Precipitation (mm)**



= **Maximum Temperatures (Day)**



= **Minimum Temperatures (Night)**



= **Alerts/Nota Bene**

## FAR NORTH REGION



## NORTH REGION



This period will be marked by a risk of recording:

- **Extremely hot days** in the **North** and **Far North** regions;
- Cases of **human-wildlife conflict around parks and reserves** in the **Far North** and **North** regions, over access to certain resources such as water;
- **Loss of livestock** in some localities in the **Far North** and **North** regions, due to **thermal stress and lack of water**;
- Cases of **respiratory illnesses and conjunctivitis** in the **Far North** and **North** regions, due to the increasing presence of dust particles in the air;
- **Conflicts between farmers as well as between farmers and herders** in the **Far North** (Logone Birni, Maga, Yagoua, Zina, Makary, etc.) and **North** regions over access to water resources;
- Cases of **epizootic disease** caused by germs that prefer warm conditions;
- **Proliferation of dust particles in the air** in areas close to road construction or repair sites in the **Far North** and **North** regions, due to the **scarcity in rainfall, high maximum temperatures and increasingly violent winds**;
- Cases of **severe dry and cracked lips** in the **Far North** and **North** regions, due to dry air resulting from the Harmattan winds;
- Cases of **meningitis** in the in the **Far North** and **North** regions, due to **high temperatures, dust particles in the air and high wind speeds**;
- **Increase in heat islands** in highly urbanized areas (large conurbations: the urban centre of Maroua, etc.), leading to **discomfort among vulnerable people** (children, the elderly, pregnant women, etc.).



This dekad from **21<sup>st</sup> to 30<sup>th</sup> April 2024** will be marked by a **continuation of the dry season** in the **North** and **Far North** regions, with, however, a **probability of recording some sporadic and localised rainfall** in certain localities in the **far southern part** of the **North** region.

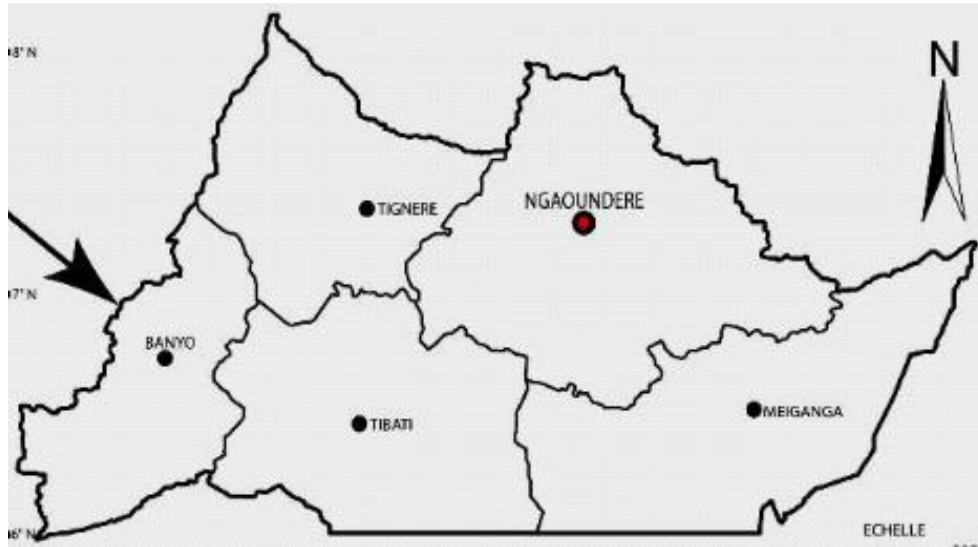


This dekad from **21<sup>st</sup> to 30<sup>th</sup> April 2024** will mostly be marked by **hot nights** in some localities in the **Far North** and **North** regions, with **minimum temperatures ranging between 24 and 29°C**.



This period from **21<sup>st</sup> to 30<sup>th</sup> April 2024** will be marked by **heat waves** in many localities in the **Far North** and **North** regions, due to temperatures between **35°C and 45°C**.

## ADAMAWA REGION



The rains that will be recorded in this region reflect an effective onset of the rainy season (in the southern part), which is favourable for sowing.

It is strongly recommended that the population in this region comply with the recommendations of **NOCC's Agricultural Calendar** for sowing during the **2024 cropping season**.



This period from **21<sup>st</sup> to 30<sup>th</sup> April 2024** will be marked by an **effective onset of the rainy season in the southern part of the Adamawa region and sporadic heavy rains in the rest of the said region.**



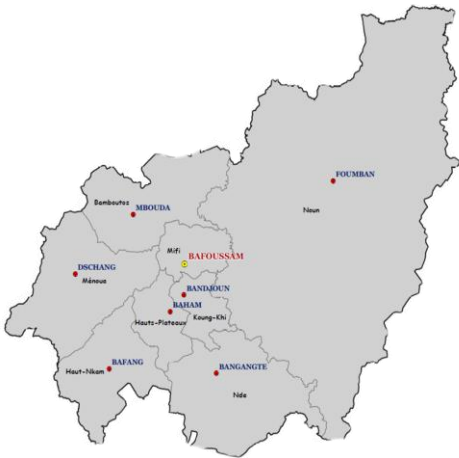
This period will be marked by a risk of recording:

- **degradation and destruction of plantations (banana, etc.) and fruit trees by heavy rainfall**, accompanied by **violent winds and hailstones** in the **Adamawa region**;
- Cases of **injury caused by lightning strikes** in the **Adamawa region**, due to **lightning at the onset** of the rainy season in this region;
- **Loss of livestock in mountain shelters** located in **Adamawa region**, due to **electrical discharges (lightning)** at the onset of the rainy season in the southern part of the aforementioned region;
- **Destruction of dwellings and public buildings** in many localities in the **Adamawa region**, due to **heavy rainfall**, accompanied by **violent winds, lightning and hail**;
- **Destruction of electrical power transmission and regulation infrastructure** (poles, cables, transformers, etc.) in the **Adamawa region**, due to heavy rain, accompanied by **violent winds, lightning and falling trees**;
- **Proliferation of dust particles in the air** in areas close to road construction or repair sites, due to the **scarcity in rainfall, high maximum temperatures and increasingly violent winds**;
- **Cases of respiratory illnesses and conjunctivitis** in the **Adamawa region**, due to the presence of dust particles in the air.

## WEST REGION



## NORTH WEST REGION



This period will be marked by a risk of recording:

- **Destruction of houses and public infrastructures** in many localities of the **West** and **North-West** regions, due to **rains** with high intensity **accompanied with violent winds, storms and hailstones**;
- Cases of **epizootic disease** caused by germs that prefer warm conditions;
- **Fog, especially in the early morning** in the **North West** and **West** regions, with a **consequent increase in the number of road accidents**;
- **Destruction of crossing structures** (bridges, culverts) in many places **heavy and abundant rainfall**, accompanied by **violent winds**;
- **Thunderstorms and lightning** in the **West** and **North West** regions;
- **Gradual return of cases of water-borne diarrhoeal diseases** in many localities in the **West** and **North-West** regions;
- **degradation and destruction of plantations** (banana, palm, etc.) and **fruit trees** by **heavy rainfall**, accompanied by **violent winds** and **hailstones** in the **West** and **North-West** regions;
- **floods** in many localities in the North West (Ako, Nkorononi, Batibo, Numben, Widikum), due to **heavy and/or abundant rainfall**, which could be concentrated over a very short period of time compared to normal levels;
- **Landslides** in certain localities in the **Menoua** and **Bamboutos** Divisions (West region) and in the Bui and Boyo Divisions (North West region).



The rains that will be recorded in these regions reflect an effective installation of the rainy season, which is favourable for sowing.



This period will be marked by **an effective installation of the rainy season** in the **West** and **North West** Regions.



This period will be marked by **an effective installation of the short rainy season** in the **Centre** and **East** regions.



This period will be marked by hot nights in many localities in the **Littoral** and **South West** regions **despite the effective installation of the rainy season**, with minimum temperatures ranging between **24 and 29°C**



This period will be marked by a risk of recording:

- **Degradation and destruction of plantations** (banana, palm, etc.) and **fruit trees by heavy rainfall**, accompanied by **violent winds** and **hailstones** in the **Centre** and **East** regions;
- **Disruption to the movement of goods and people** in the town of **Yaounde**, due to the **obstruction of certain road sections** caused by **floods**;
- **Floods** in many localities in the **Centre** (Yaounde, Mbam, Ngambe Tikar, etc.) region, due to **heavy and/or abundant rainfall**, which could be concentrated over a very short period of time compared to normal levels;
- **Destruction of houses and public infrastructures** in many localities of the **Centre** and **East** regions, due to **rains with high intensity** accompanied with **violent wins, storms and hails stones**;
- **Fog, especially in the early morning** in the Centre and East regions, with a **consequent increase in the number of road accidents**;
- **Destruction of crossing structures** (bridges, culverts) in many places due to **heavy and abundant rainfall**, accompanied by **violent winds**;
- **Gradual return of cases of water-borne diarrhoeal diseases** in many localities in the **Centre** and **East** regions.



This period will be marked by **an effective installation of the short rainy season** in the **South** region.



The rains that will be recorded in this region reflect an effective installation of the rainy season, which is favourable for sowing.



This period will be marked by **hot nights** in many localities in **Kribi**, with minimum temperatures ranging between **24 and 29°C**.

## SOUTH REGION



This period will be marked by a risk of recording:

- **Destruction of houses and public infrastructures** in many localities of the **South** region, due to **rains** with high intensity accompanied with violent wins, storms and hails stones;
- **Floods** in the **South** region (Kribi, Ambam, etc.), due to **rains** with high intensity;
- **Increase in heat islands** in highly urbanized areas (large conurbations: the urban centre of Kribi, etc.), leading to discomfort among vulnerable people (children, the elderly, pregnant women, etc.);
- **Degradation and destruction of plantations** (banana, palm, rubber, etc.) and **fruit trees** by **heavy rainfall**, accompanied by **violent winds and hailstones in the South** Region;
- **Destruction of dwellings and public buildings** in many localities in the south region, due to **heavy rainfall**, accompanied by **violent winds, lightning and hail**;
- **Disruption to the movement of goods and people** in the towns of Kribi and Ebolowa, due to the obstruction of certain road sections caused by floods;
- Cases of **epizootic disease** caused by germs that prefer warm conditions;
- **Fog, especially in the early morning** in the **South** region, with a **consequent increase in the number of road accidents**;
- **Destruction of crossing structures** (bridges, culverts) in many places due to **heavy and abundant rainfall**, accompanied by **violent winds**;
- **Gradual return of cases of water-borne diarrhoeal diseases** in many localities in the **South** region.

## LITTORAL REGION



This dekad will be marked by **an effective installation of the rainy season** in the **Littoral** and **South-West** regions.



This period will be marked by hot nights in many localities in the **Littoral** and **South West** regions **despite the effective installation of the rainy season**, with minimum temperatures ranging between **24 and 29°C**



The rains that will be recorded in these regions reflect an effective installation of the rainy season, which is favourable for sowing.

## SOUTH WEST REGION



This period will be marked by a risk of recording:

- **Increase in heat islands** in highly urbanized areas (large conurbations: the urban centres of Douala, Limbe, etc.), leading to discomfort among vulnerable people (children, the elderly, pregnant women, etc.);
- **Degradation and destruction of plantations** (banana, palm, rubber, etc.) and **fruit trees by heavy rainfall**, accompanied by **violent winds and hailstones** in the **Littoral** and **South West** regions;
- **Disruption to the movement of goods and people** in the towns of Douala and Kribi, due to the **obstruction of certain road sections** caused by **floods**;
- **Floods** in many localities in the Littoral (Douala, Edea, Nkongsamba, Manjo, etc.) and South West (Kumba, Tiko, Buea, Menji, etc.) regions, due to **heavy and/or abundant rainfall**, which could be concentrated over a very short period of time compared to normal levels;
- **Destruction of houses and public infrastructures** in many localities of the **South West** and **Littoral** regions, due to **rains with high intensity** accompanied with **violent wins, storms and hails stones**;
- **Thunderstorms and lightning** in the **Littoral** and **South West** regions;
- **Fog, especially in the early morning** in the **Littoral** and **South West** regions, with a **consequent increase in the number of road accidents**;
- **Destruction of crossing structures** (bridges, culverts, etc.) in many places due to **heavy and abundant rainfall**, accompanied by **violent winds**;
- **Gradual return of cases of water-borne diarrhoeal diseases** in many localities in the **Littoral** and **South West** regions.



# Risks Table (period from 21<sup>st</sup> to 30<sup>th</sup> April 2024): National Observatory on Climate Change, Cameroon



## ALERTE !!

Risk type	Region	Locality to be likely affected	Most probable period of occurrence	Key Climatic Element
<p><b>Flooding</b></p>	Littoral	Douala/ Mounko	23-24	Rainfall (20mm-120mm)
		Yabassi	21-23	
		Manjo	22-24	
		Nkongsamba	23-24	
		Edea/ Penja	21-23	
	West	Foumbot	23-24	Rainfall (20mm-100mm)
		Bafoussam /Kekem	23-24	
		Bafang	21-24	
	Northwest	Bambalang	23-24	Rainfall (20mm-100mm)
		Bamessing/Ndop	23-24	
	Southwest	Babungo	23-23	Rainfall (20mm-200mm)
		Kumba	22-24	
	Adamawa	Mamfe/Menji/Buea	21-22	Rainfall (25mm-90mm)
		Makor/Minim/Dabere	29-30	
Alarba/Ngourou		22-23		
South	Sarki Mbaka/Kimi	21-23	Rainfall (20mm-75mm)	
	Ambam	22-24		
Centre	Kribi	22-23	Rainfall (20mm-100mm)	
	Yaounde (Central town, Nkolbisson Eloumden I)	21-23		
	Mbam/ Ngambe Tikar	21-23		
<p><b>Landslide</b></p>	Northwest	Widikum	22-25	Rainfall (20mm-100mm)
	Southwest	Bechati	21-23	Rainfall (20mm-200mm)
		Kekem	22-24	Rainfall (20mm-100mm)
<p><b>Thunderstorms and Lightning</b></p>	West	Across the region	25-30	High convective uplifts
	South	Across the region	25-30	
	Centre	Entire region	25-30	
	Northwest	Entire region	21-30	
	East	Across the region	25-30	
	Littoral	Entire region	24-30	

<p><b>Violent winds</b></p>	Southwest	Throughout the region	21-30	<b>Wind speed</b> Reaching 8.3m/s Reaching 11.5m/s Reaching 8.6m/s Reaching 4.9m/s Reaching 4.5m/s
	Adamawa	Central and Southern parts of the region	21-30	
	Adamawa	Entire region, except northern fringes	21-28	
	Far-North North	Across the region	21-30	
	Northwest	Greater part of region	21-30	
	Northwest	Bui/Boyo/Momo	21-26	
	Southwest	Kupe-muanenguba	21-24& 28-30	
<p><b>Extreme heat Events</b></p>	Far-North	Across the whole region	21-30	Maximum temperatures reaching 46.6°C
	North	The entire region, except for the southern fringes	21-30	Maximum temperatures reaching 42.9°C
	Littoral	Wouri, Sanaga-maritime and the southern sections of the Nkam and Mounjo Divisions	25-30	Maximum temperatures reaching 36.4oC
	South	Ocean and Ntem valley Divisions	28-30	Maximum temperatures reaching 37.8oC
	East	Boumba et Ngoko	27-30	Maximum temperatures reaching 38.2oC
	Southwest	Muyuka and Mbonge	21-30	Maximum temperatures reaching 38.9oC
	Far-North	Central and northern sections	21-30	High temperatures & low humidity
<b>Dusty atmosphere</b>	North & Far-North	Across the two regions and especially around highly congested zones	21-30	Predominant warm-dry and dusty air
<b>Meningitis &amp; conjunctivitis</b>	North & Far-North	Around diminishing water sources	21-30	Dry season
<b>Water related conflicts</b>	North & Far-North	Arable/ pastoral zones, transhumance corridors	21-30	Dry season
<b>Farmer-grazier conflicts</b>	North & Far-North	Arable/ pastoral zones, transhumance corridors	21-30	Dry season

## SOME RECOMMENDATIONS

It is recommended within this period from **21<sup>st</sup> to 30<sup>th</sup> April 2024**:



### ➤ In the Agriculture sector:

- That people in the **South West, Littoral, North West, South, West, Centre** and **East** regions comply with the recommendations of **NOCC's Agricultural Calendar** for sowing during the **2024 first cropping season**;
- That people in the **Adamawa** comply with the recommendations of **NOCC's Agricultural Calendar** for sowing during the **2024 cropping season** in their region.



### ➤ In the health sector:

- **Raise awareness on the need to scrupulously observe basic rules of hygiene and sanitation**, notably the systematic washing of hands with clean water and soap before meals and after the use of latrines, the washing of food with potable water before any consumption, the treatment of water before drinking it and the proper cooking of food;
- **Regularly put on warm clothes** to protect oneself against the **cold at night**;
- **Wear facemasks** to protect oneself against **dust particles in the air in the Sudano-Sahelian zone**.



### ➤ In the water and energy sector:

- **Regular sampling, analysis and treatment of drinking water at catchment points and water supply points before distribution to households**;
- Regular **use of basic techniques (filtering, boiling, etc.) to make drinking water potable** at household level.



### ➤ In the Urban sector:

- **Reduce or avoid crossing flooded channels** during rains as there is a **risk of drowning**;
- **Avoid taking shelter under trees, walking near cables and electric poles during thunderstorms**, as there is a risk of **being struck by lightning or being electrocuted**.