

## WEATHER ALERT FOR MODERATE TO HEAVY RAINFALL ISSUED ON 18<sup>th</sup> SEPTEMBER, 2024

**SYNOPSIS:** Over the country, **Moderate to Heavy Rainfall** are expected over most places located 10°N and below. There is high possibility, in the next 7 days, to release water from **Lagdo Dams** as the document released from Min of Water Resources stated. Consequently, runoff-water over the catchment areas will increase, coupled with moderate to heavy rainfall expected.

Figure 1 shows the outlook of expected rainfall accumulation over Nigeria from the 17th to the 23rd of September, 2024.

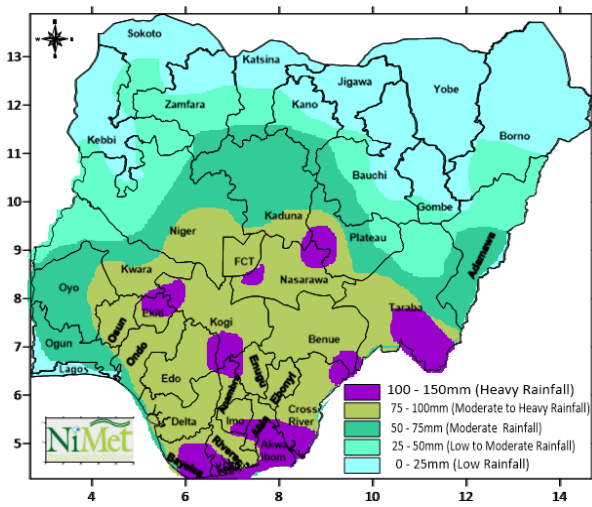


Fig 1: Spatial Distribution of Rainfall from 17th – 23rd September, 2024

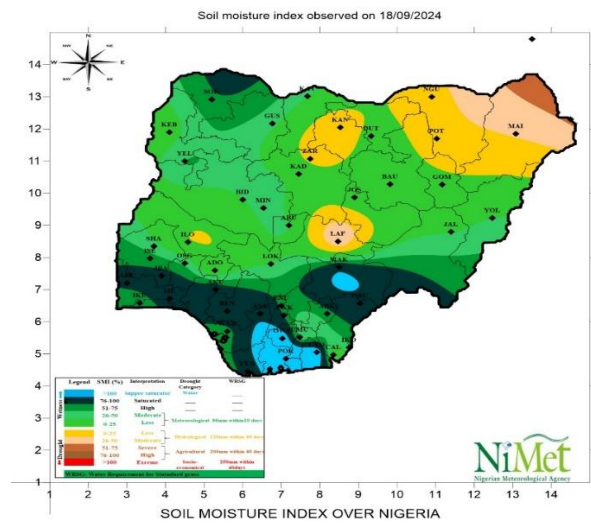


Fig 2: Soil moisture observed over Nigeria

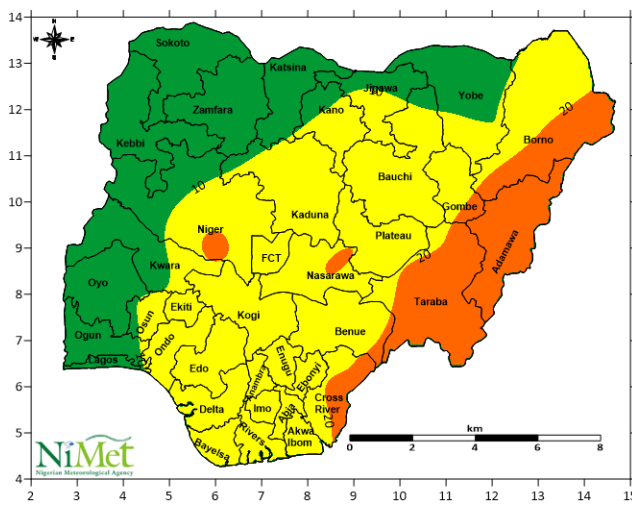


Fig 3.0: Spatial display of rainfall and probability valid from 0000UTC to 2359UTC of 20th Sept., 2024.

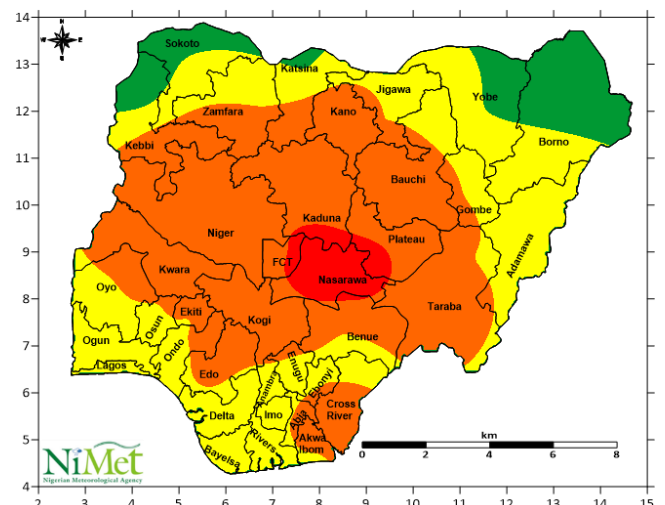


Fig 4.0: Spatial display of rainfall and probability valid from 0000UTC to 2359UTC of 21st Sept., 2024.

### LEGEND AND ITS INTERPRETATIONS

LIKELIHOOD	≥ 60%	2	6	10	
	≥ 40%	1	5	9	
	≥ 20%		4	8	
	≥ 10%		3	7	
		Very light	Light	Moderate	Heavy
		IMPACT			

S/N	Range	Category
1.	< 10mm	Very Light Rainfall
2.	10 – 20mm	Light Rainfall
3.	20 – 50mm	Moderate Rainfall
4.	> 50mm	Heavy Rainfall

- 1: Probability between 40 and 60% to have a cumulative rainfall between 10 and 20 mm in 24 hours
- 2: Probability of more than 60% to have a cumulative rainfall between 10 and 20 mm in 24 hours
- 4: Probability between 20 and 40% to have a cumulative rainfall between 20 and 50 mm in 24 hours
- 5: Probability between 40 and 60% to have a cumulative rainfall between 20 and 50 mm in 24 hours
- 6: Probability of more than 60% to have a cumulative rainfall between 20 and 50 mm in 24 hours
- 8: Probability between 20 and 40% to have a cumulative rainfall greater than 50 mm in 24 hours
- 9: Probability between 40 and 60% to have a cumulative rainfall of greater 50 mm in 24 hours
- 10: Probability of more than 60% to have a cumulative rainfall greater than 50 mm in 24 hours

### FORECAST:

There are high prospects of flooding as a result of the expected moderate to Heavy rainfall from 20th September, 2024. The streams along the path of the runoff-water release could also overflow its boundaries causing flooding, as we already have saturated soil moisture. The places flagged for expected flooding are **Borno**, most of **Adamawa**, **Taraba**, **Borno**, **Benue**, **Nasarawa**, **Kogi**, **Edo**, **Delta**, **Anambra**, **Bayelsa**, **Cross River** and **Rivers** states.

### ADVISORIES:

- Residents in flood-prone areas should prepare for possible evacuation. Identify higher ground or designated shelters in advance.
- Refrain from crossing or driving through flooded areas, as water levels is expected to rise quickly
- Relocate valuable belongings and livestock to safer locations, and fortify structures, where possible.
- Ensure access to clean drinking water and stock up on essential supplies. Floodwaters may contaminate water sources and increase the risk of waterborne diseases.
- Stay connected with concerned authorities and emergency services, and assist vulnerable community members, including children and the elderly.
- Continuously follow up on weather updates ([www.nimet.gov.ng](http://www.nimet.gov.ng)) and flood warnings from the Nigerian Meteorological Agency (NiMet) and emergency services (NEMA) respectively.