



## **Weather Forecast for 11<sup>th</sup> to 20<sup>th</sup> November 2021**

### **1. Executive summary**

Light to moderate rainfall ranging between 0mm and 90mm is expected countrywide from 11<sup>th</sup> to 20<sup>th</sup> November 2021 in the forthcoming ten days over most parts of the country. Moderate rainfall ranging from 30mm and 90mm is expected in the Western Province and some parts of Northern and Southern Provinces. Light rainfall of 15-30 mm is expected in most parts of Eastern and Southern provinces and Kigali city, the remaining parts located in Eastern and Southern provinces are expected to receive less rainfall between 0 and 15 mm in ten days.

Strong winds with a speed ranging between 8m/s and 10m/s is expected in localized parts of the Karongi and Rutsiro district while most parts of the country are expected to have moderate winds with the speed ranging between 6 and 8 m/s.

The mean maximum temperature for ten days will range between 20°C and 30°C depending on the location. The highest temperature expected is in the range of 28°C and 30°C in many parts of Eastern Province, Amayaga region and Bugarama plain.

Depressed rainfall will be observed in some parts of Eastern and Southern Provinces especially in Kirehe, Kayonza, Gatsibo, Bugesera Nyanza, Ruhango, southeastern Nyagatare and Kamonyi districts and it's likely to continue in the near future with increased temperature. **Meteo Rwanda recommends the Agriculture sector to put in place irrigation system and other facilities which will facilitate farmers to reduce crop water stress in the above mentioned areas.**

### **2. Forecast of rainfall**

Cumulative rainfall ranging between 0 and 90 mm is expected across the country during the first dekad of November 2021. Slight heavy to moderate rainfall ranging between 75 and 90 mm is expected in most parts of Western Province especially in Rutsiro, Nyamasheke, Rusizi districts, area near Nyungwe National Forest, small parts of Rubavu, Ngororero, Nyamagabe and Nyaruguru districts; rainfall in the same range is also expected in most parts of Musanze and Burera districts.

Moderate rainfall ranging between 60 and 75 mm is expected in most part of Nyabihu, central parts of Ngororero, Karongi and Rusizi, western parts of Rubavu and southern parts of Rutsiro Musanze and Burera, districts, northern parts of Gicumbi, Gakenke and a small part of Rulindo district, central eastern parts of Nyamagabe and Nyaruguru district.

Rainfall ranging between 45 and 60 mm is expected in western parts of Nyabihu, Ngororero and Karongi district, central western parts of Nyamagabe and Nyaruguru, central parts of Gakenke, Rulindo, Gicumbi and western parts of Nyagatare districts.



Rainfall ranging between 30 and 45 mm is expected in remaining parts of Nyaruguru and Nyamagabe districts, central parts of Muhanga Gicumbi, Rulindo Gakenke and Nyagatare districts and southern parts of Gisagara district.

Depressed and scattered rainfall ranging between 15 and 30 mm is expected in many parts of Eastern, Southern Provinces and Kigali City while the remaining parts of the eastern parts of Eastern and Southern Provinces are expected to received less than 15 mm of rainfall.

The rainfall is expected between 14<sup>th</sup> to 18<sup>th</sup> November over most parts of the country. The forecasted rainfall is expected to be above the range of long term mean during the 2<sup>nd</sup> dekad of November especially in Western, Northern Provinces and in some parts of Southern Provinces, and Below normal rainfall is expected in the remaining parts of the country. Rainy days will vary between 3 and 6 days in most parts of the country.

The expected rainfall will be associated with thunderstorms and will result from overhead position of Inter Tropical Convergence Zone (ITCZ) within the region, which supports the enhanced of local effects.

### **3. Forecast of wind Speed**

During the second dekad of November 2021 strong wind ranging between 8m/s and 10m/s is expected in localized parts of Karongi and Rutsiro districts, moderate wind ranging between 6m/s and 8m/s is expected in most parts Nyagatare, Burera, Musanze Gakenke, Nyamasheke Rusizi and localized areas of Ngoma and Bugesera districts while the rest of the country is expected to receive light to moderate wind ranging between 4m/s and 6m/s.

### **4. Forecast of maximum temperature**

The expected maximum temperature during second dekad of November will range between 20°C and 30°C across the country. Higher values will range between 28°C and 30°C in many parts of Eastern Province, Amayaga region and Bugarama plain. The areas expected to experience lower values of maximum temperature ranging between 20°C and 22°C which include northern parts of Musanze, north western parts of Rubavu, most parts of Nyabihu district and some localized areas of Nyungwe National Park. The expected temperature is within the range of long term average across the country.

For more details on spatial distribution of rainfall, maximum temperature and wind speed, refer to the maps below.

