



**Weather Forecast valid from 11<sup>th</sup> to 20<sup>th</sup> May 2022**

**1. Rainfall forecast:** During the second (2<sup>nd</sup>) dekad of May 2022, rainfall ranging between 0 and 50 mm is expected across the country. The amount of rainfall expected will decrease compared to the previous dekad (1<sup>st</sup> dekad of May 2022) across the country. The expected rainfall will be below the range of LTM in many parts of the country except over Northern and Western Provinces where it will be in the range of Long-Term Mean (LTM) which varies between 0 and 50mm. Cumulative rainfall ranging between 40 and 50 mm is the highest in the dekad and is expected over northern parts of Rubavu, Nyabihu, Musanze, Burera districts. Most part of Rutsiro, southern parts of Rubavu, Nyabihu, Musanze, Burera and Nyamasheke districts, western parts of Karongi, Ngororero and Gakenke including eastern part of Rusizi, small parts of western Nyamagabe and Nyaruguru districts are expected to receive rainfall ranging between 30 and 40mm. Rainfall ranging between 20 and 30 mm is expected in most parts of western Nyamagabe, Nyaruguru and Rusizi districts, eastern parts of Ngororero, Nyamasheke and Karongi districts, northern parts of Muhanga, Gicumbi, Gakenke and Rulindo districts. Remaining parts of eastern Nyamagabe and Nyaruguru districts, western parts of Huye, Nyanza, Ruhango Gisagara, Nyagatare and Gatsibo, southern parts of Gicumbi, Rulindo and Gakenke districts, central parts of Kayonza, Gatsibo and Muhanga districts are expected to receive rainfall ranging between 10 and 20mm.

Rainfall ranging between 0 and 10mm is the lowest amount expected during the forecasting period and is expected over most parts of Eastern and Southern provinces including Kigali City.

The rainy days are also expected to decrease compare to previous dekad and is expected to vary between one (1) and three (3) days during the 2<sup>nd</sup> dekad. Significant rainfall is expected on 12<sup>th</sup>, 14<sup>th</sup>, and 18<sup>th</sup> May, 2022. The expected rainfall will result from the position of Inter-Tropical Convergence Zone (ITCZ) that is overhead the region and the influence by the local factors.

**2. Forecast of winds speed:** Strong winds ranging between 6 and 8 m/s is expected over North eastern parts of the country in the districts of Nyagatare, Gatsibo and eastern Gicumbi, and most parts of Western Province in the districts of Rusizi, Nyamasheke, Karongi, Rutsiro, Rubavu and western parts of Nyabihu, Ngororero and Nyamagabe. Moderate wind ranging between 4 and 6 m/s is expected over the remaining parts of the country.

**3. Temperature forecast:** During the 2<sup>nd</sup> dekad of May 2022, the temperature is expected to range between 17°C and 29°C. Isolated parts of Kigali City, Bugarama plain, Amayaga region, Bugesera and eastern part of Ngoma, Gatsibo and Nyagatare districts are expected to experience higher temperature during this dekad ranging between 26°C and 29°C while remaining parts of Kigali, Eastern Province, southern part of Rusizi, small pockets of Nyamasheke and Karongi districts will experience temperature ranging between 23°C and 26°C. Most parts of Northern Province including southern part of Nyabihu, northern part of Ngororero, eastern parts of Rubavu, Rutsiro, Nyamasheke and Rusizi districts, western parts of Nyamagabe and Nyaruguru districts will experience temperature ranging between 20°C and 23°C. Northern parts of Musanze, Nyabihu and Burera districts are expected to experience lower temperature during the dekad ranging between 17°C and 20°C. The expected temperature will be in the range of Long Term Mean of May dekad 2 in many parts of the country.



**Expected impact:** Impacts associated with moderate to strong winds are likely to occur and mitigation measures should be put in place.

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

