



Weather Forecast for 11th to 20th August 2021

1. Executive summary

Cold weather conditions with cloudy and scattered rainfall will dominate the first part of August dekad 2 (from 11th to 14th) while a reduction of cold weather conditions towards dry weather conditions will prevail during subsequent part of the dekad (15th to 20th). The cumulative rainfall of 30mm and above is expected in many parts of Northern and Western Provinces. The mean maximum temperature ranging between 24°C and 28°C is expected in many parts of the country. Strong wind ranging between 8m/s and 12m/s is expected in many parts of Western Province within Congo Nile Divide while moderate wind ranging between 4m/s and 8m/s will dominate in the remaining parts of the country.

2. Forecast of rainfall

The cumulative rainfall expected during the second dekad of August 2021 will range between 0 and 50 mm across the country. Moderate rainfall ranging between 30 and 50 mm is expected in Rubavu district, Northern parts of Burera, Musanze, western parts of Nyabihu, Rutsiro, Karongi, Nyamasheke and some pockets located in northern parts of Nyagatare district. Remaining parts of Burera, Nyabihu, Musanze, Rutsiro, Karongi and Nyamasheke, northern parts of Gicumbi, Muhanga, Nyagatare, Gakenke and Ngororero are expected to receive rainfall ranging between 20 and 30mm. Many parts of Southern Province and southern parts of Eastern Province will receive rainfall less than 10mm. The rainfall is expected between 11th and 14th August 2021 and after this period, dry weather conditions will prevail with sunny intervals. The expected rainfall will be above the range of long term mean for the second dekad of August in many parts of the country (The long term mean varies between 0 and 30mm). The expected rainfall will result from westerly wind advecting from northern parts of Congo forest towards Rwanda.

3. Forecast of maximum temperature

Moderate temperatures are expected during the first part of the dekad (11th to 15th). The expected maximum temperature during second dekad of August 2021 will range between 20°C and 30°C across the country. Higher values of maximum temperature will range between 28°C and 30°C and are expected in Bugarama plain and some areas of Nyarugenge, Nyanza, Gatsibo, Bugesera, and Kayonza districts. Temperatures ranging between 24°C and 28°C is expected in many parts of the country including Eastern and Southern Provinces, Kigali City and along Kivu Belt. The areas expected to experience lower average maximum temperature ranging between 20°C and 22°C include many parts of Musanze, Burera, Nyabihu, northern parts of Gicumbi and Rulindo, eastern parts of Rubavu and Rutsiro, western parts of Ngororero, Nyaruguru and Nyamagabe. The expected temperature in this dekad is slightly below the range of long term average across the country.



4. Forecast of wind Speed

During the month of August 2021 dekad 2, light to strong winds ranging between 2m/s and 12m/s is expected across the country. The map below indicates distribution of strong wind ranging between 8m/s and 12m/s which is expected in many parts of Western Province within Congo Nile Divide. Moderate wind ranging between 4m/s and 8m/s will dominate the remaining parts of the country.

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

