



Weather Forecast for 1st to 10th October 2021

1. Executive summary

Enhanced rainfall is expected in many parts of Northern and Western Provinces while moderate rainfall is expected in remaining parts of the country during first dekad of October 2021. Cumulative rainfall above 140 mm is expected in Western Province, many parts of Northern Province and some parts of Nyamagabe and Nyaruguru districts. Reduced rainfall ranging between 40 and 60 mm is expected in extreme eastern parts along border. The mean maximum temperature for ten days will range between 20°C and 32°C depending on the location. The highest temperature is expected to range between 30°C and 32°C in some localized parts of Kigali city, Eastern Province and Bugarama plain. Moderate to strong wind speed ranging between 4m/s and 10m/s is expected across the country.

1. Forecast of rainfall

Cumulative rainfall is expected during the first dekad of October 2021 which will range between 40 and 180 mm across the country. Enhanced rainfall ranging between 140 and 180 mm is expected in Western Province, many parts of Northern Province and some parts of Nyamagabe and Nyaruguru districts. Moderate rainfall ranging between 80 and 140 mm is expected in remaining parts with exception of the areas in extreme eastern parts of the Eastern Province along the border where rainfall ranging between 40 and 60 mm is expected. The rainfall will be evenly distributed during the dekad with rainy days varying between 5 and 8 days in most parts of the country. The expected rainfall will be above of the long term mean during the first dekad of October across the country (the normal range for first dekad of October varies between 20 and 80 mm). 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 enhancement of local effects.

2. Forecast of maximum temperature

The expected maximum temperature during first dekad of October will range between 20°C and 32°C across the country. Higher values of maximum temperature will range between 30°C and 32°C and are expected in Bugarama plain, some parts of Kigali city and some localized areas of Eastern Province. The areas expected to experience lower values of maximum temperature ranging between 20°C and 22°C include northern parts of Burera, Musanze, eastern parts of Rubavu and Rutsiro districts and western parts of Nyabihu and Ngororero districts. The expected temperature is in the range of long term average across the country.

3. Forecast of wind Speed

During the first dekad of October 2021, moderate to strong winds ranging between 4m/s and 10m/s is expected across the country. The distribution map below indicates strong wind ranging between 8m/s and 10m/s with the medium impact expected in some localized parts of Karongi, Rutsiro, Rubavu, Nyabihu, Gakenke, Rulindo, Huye, Rusizi, Gisagara and Nyanza Districts. Moderate wind ranging between 4m/s and 8m/s with minimal impacts are expected in the remaining parts of the country.



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

