



ISO 9001:2015 CERTIFIED
Kigali, 20 October 2021

Weather Forecast for 21st to 31st October 2021

Executive summary

Light to heavy rainfall ranging between 15mm and 105mm is expected countrywide from 21st to 31st October 2021. Enhanced rainfall is expected between 21st and 25th in many parts of the country especially in Northern, Western Provinces and southwestern parts of Southern Province. Expected rainfall is above the Long-Term Mean (LTM) in areas predicted to receive enhanced rainfall and below the LTM in south-eastern parts of Eastern Province while the rest of the country is expected to receive rainfall in the range of LTM. Rainy days are expected to range between 3 and 6 days.

The expected mean maximum temperature will range between 18°C and 30°C depending on the location. The highest mean maximum temperature is expected to range between 26°C and 30°C in southwestern parts of Western Province, Kigali city and Southern Province and in many parts of Eastern Province. The lowest mean maximum temperature is expected to range between 18°C and 20°C in parts of Birunga National Park and some parts of Nyungwe National Park.

Moderate wind ranging between 4m/s and 8m/s is expected in many parts of the country but strong winds ranging between 8m/s and 10m/s is expected in some localized parts of Western, Southern and north eastern Provinces.

Reduced rainfall will be observed in some parts of Eastern Province especially in Kirehe, Kayonza, Gatsibo and Bugesera districts is likely to continue in the near future with increased temperature. Meteo Rwanda recommends the Agriculture sector to put in place irrigation system facilities and select short duration crop varieties.

1. Forecast of rainfall

Rainfall ranging between 90 mm and 105 mm is expected in some parts of southwestern parts especially in Rutsiro and Nyamasheke districts, areas of Nyungwe and Birunga National Parks, big part of Rusizi, Eastern Nyaruguru, Nyamagabe, Karongi, Ngororero and Southern part of Rubavu districts. Rainfall ranging between 75 and 90 mm is expected in remaining parts of Western and Northern Provinces. Rainfall ranging between 60 and 75 mm is expected over most of western parts of Southern Province and in southern and central parts of Rulindo and northern parts of Gicumbi, Rwamagana and northern Ngoma districts. Kigali City, eastern



Nyagatare and Gatsibo, remaining parts of Rwamagana and Ngoma districts and most of central parts of southern province including Gisagara district expected to receive rainfall ranging between 45 and 60 mm. Eastern parts of Nyanza, Ruhango, Kamonyi, northern parts of Bugesera, most of eastern Nyagatare, central part of Gatsibo, eastern and western Kayonza and northern Kirehe expected to receive rainfall ranging between 30 and 45 mm. Remaining parts of Bugesera, Kirehe, Kayonza, Gatsibo and Nyagatare are expected to receive rainfall ranging between 15 and 30 mm.

2. Forecast of maximum temperature

The expected mean maximum temperature will range between 18°C and 30°C depending on the location. The highest mean maximum temperature is expected to range between 26°C and 30°C in most parts of Eastern Province and Kigali City, eastern parts of Southern Province and some parts of Western Province especially in Bugarama Plain. The lowest mean maximum temperature is expected to range between 18°C and 20°C in some parts of northwestern province and in most of Northern Province parts of Nyungwe National Park.

3. Forecast of wind speed

During the month of October 2021 dekad 3, strong wind ranging between 8m/s and 10m/s is expected in Karongi, eastern Rutsiro, Rubavu and Nyagatare districts; and western Nyabihu and Nyanza districts while the rest of the country is expected to receive moderate wind ranging between 4m/s and 8m/s.

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



