



Weather Forecast for the month May 2022

1. Rainfall forecast

During the month of May 2022, the amount of rainfall ranging between 50 and 200 mm is expected across the country. Higher amount of rainfall ranging between 175 and 200 mm is expected over parts of Nyamasheke, Rutsiro, Ngororero, Rubavu, Nyabihu, Musanze and Burera Districts. Most of the remaining parts of Western and Northern Provinces including western parts of Nyamagabe and Nyaruguru are also expected to receive increased rainfall ranging between 150 and 175 mm. A reduced amount of rainfall ranging between 50 and 75 mm is expected over parts of Nyagatare, Gatsibo, Kayonza, Kirehe, Ngoma and Bugesera while remaining parts of Eastern Province and parts of Gisagara, Nyanza, Ruhango, Muhanga, Kamonyi, Kicukiro, Nyarugenge and Gasabo Districts are expected to receive rainfall ranges between 75 and 100 mm.

The spatial distribution shows that rainfall will decrease from East to West while the temporal distribution forecast show that rainfall will decrease from the first dekad towards the last dekad and a considerable decrease is expected in parts of Kirehe, Ngoma, Bugesera, Kayonza and few parts of Gatsibo and Rwamagana districts during second dekad. Expected rainfall in May 2022 will be in the range of Long Term Mean (LTM) across the country (the range of LTM for the month of May is between 50 and 200 mm). The first dekad of May 2022 is expected to be slightly above LTM, the second dekad is expected to be below the range of LTM while the third dekad expected to be in the range of LTM. The main influencing drivers of the rainfall are neutral conditions from the Indian Ocean Dipole (IOD) and the La Nina conditions in prevailing in Pacific Ocean and the northward movement of Inter-Tropical Convergence Zone (ITCZ) which makes the northern part of the country will receive increased rainfall compared to southern parts.

2. Wind Speed forecast

The wind speed distribution indicated by the map below for the month of May 2022 shows that moderate to strong winds ranging between 4m/s and 8m/s is expected across the country. Strong wind ranging between 6 and 8 m/s is expected in localized parts of Gatsibo, Nyagatare, Kirehe, Gicumbi, Burera, Musanze, Nyabihu, Rubavu, Ngororero, Karongi, Nyamasheke, Rusizi, Nyamagabe and Gisagara. Moderate wind ranging between 4 and 6 m/s is expected over remaining parts of the country.

3. Temperature forecast

During the month of May 2022, the maximum temperature is expected to range between 18°C and 28°C. Bugesera District, parts of Kigali City, Amayaga region, Rusizi, Ngoma, Nyagatare and Gatsibo Districts are expected to experience higher temperature ranging between 26°C and 28°C while northern parts of Northern Province, north-western parts of Western Province and parts of Nyungwe National Park are expected to receive lower temperatures ranging between 18°C and 22°C. The expected temperature will be in the range of Long Term Mean temperature for the month of May.

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

