



Weather Forecast for 1st to 10th March 2022

1. Forecast of rainfall

During the first dekad of March 2022 (1st to 10th), a reduction of rainfall is predicted to continue compared to previous dekads of February (this reduction is caused by the weakening of tropical depressions in southern parts of Indian Ocean). The rainfall ranging between 20 and 120 mm is expected across the country which is in the range of its Long-Term Mean (LTM) in many parts of Eastern Province and slightly above the range of Long Term Mean in remaining parts of the country (the ranges of LTM varies between 20 and 100 mm). The South Western part of the country (Rusizi, Nyamasheke, Nyaruguru and Nyamagabe districts) is expected to receive high amount of rainfall compare to other parts of the country while a reduced rainfall compare to other parts is expected in some parts of Nyagatare and Kayonza districts. Rainy days are expected to vary between three (3) and six (6) days, and are expected between 1st and 3rd March 2022 and from 7th towards the end of dekad while between 4th and 7th March 2022, clear weather conditions are expected in many parts of the country. Expected rainfall will result from northward migration of Inter-Tropical Convergence Zone (ITCZ) which will be moderated by local features.

Advisory: Minor impacts such as soil erosion, flood in marshland, and others may result from predicted rainfall and mitigation activities should continue. Farmers and relevant agriculture institutions can continue their activities for the growing season 2022B.

Rainfall Distribution

Moderate accumulated rainfall ranging between 80 and 120 mm is expected in Western Province, in the districts of Musanze, Burera, Gakenke and northern part of Rulindo in Northern Province, Nyamagabe, Nyaruguru, Huye, southern parts of Gisagara, western parts of Nyanza, Ruhango and Muhanga in Southern Province. Moderate rainfall ranging between 40 and 80 mm is expected over Kigali city, Gicumbi and remaining part of Rulindo in Northern Province, Kamonyi and remaining parts of Nyanza, Ruhango, and Muhanga in Southern Province, and Most parts of Eastern Province except northern part Nyagatare and Kayonza where reduced rainfall ranging between 20 and 40 mm is expected.

2. Forecast of wind Speed

Moderate to slightly strong winds ranging between 4m/s and 8m/s is expected across the country. Moderate wind ranging between 4 and 6 m/s is expected over many parts of Kigali city, Eastern and Northern Provinces, and few parts of Southern and Western Provinces. Moderate to slightly strong wind speed ranging between 6m/s and 8m/s is expected in the remaining parts of the country.

3. Forecast of maximum temperature

During the first dekad of March 2022, the temperature is expected to range between 18°C and 30°C. Eastern parts of Nyagatare, Gatsibo and Kayonza in Eastern Province, Kigali City, Eastern parts of Southern Province and Bugarama plain in Rusizi district are expected to experience higher temperature ranging between 27°C and 30°C while many parts of Northern Province and Nyungwe National Park are expected to experience



lower temperature ranging between 18°C and 24°C. The expected temperature will be in the range of Long Term Mean of March dekad 1.

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

