

HIGHLIGHTS

- The expected rains in most areas of the country are likely to continue favouring crop growth and development.
- Generally, maize crop over most areas in unimodal regime areas are in a good condition
- Farmers, fishers and livestock keepers are advised to utilize weather forecast and updates issued by TMA.

SYNOPTIC SUMMARY DURING FEBRUARY 1-10, 2023

During this dekad, the northern hemisphere high pressure systems (Azores and Siberian) continued to intensify while the southern hemisphere high pressure systems (St. Helena and Mascarenes) slightly relaxed. This condition influenced the oscillation of the Inter-Tropical Convergence Zone (ITCZ) over the southern sector the country.

The Sea Surface Temperatures (SSTs) over the eastern Indian Ocean were generally normal while SSTs over western Indian Ocean were observed to be slightly cooler than normal. This scenario had less contribution on the advection of moisture from the Indian Ocean towards the coastal areas. On the other hand, Low level westerly wind anomaly were observed over the country especially during the second half of the dekad and thus favouring moisture influx from the Congo basin towards some areas of the country.

RAINFALL PERFORMANCE DURING FEBRUARY 1-10, 2023

During the first half of the dekad under review, most areas of the country experienced rainy condition. The highest amount of rainfall of more than 200 mm was recorded over Ruvuma, Lindi and Morogoro regions. However, in most areas of bimodal rainfall regime (Tanga, Kilimanjaro, Arusha, Manyara, Kagera, Simiyu and Isles of Unguja and Pemba) received less than 10 mm of rainfall as indicated in Figure 1.

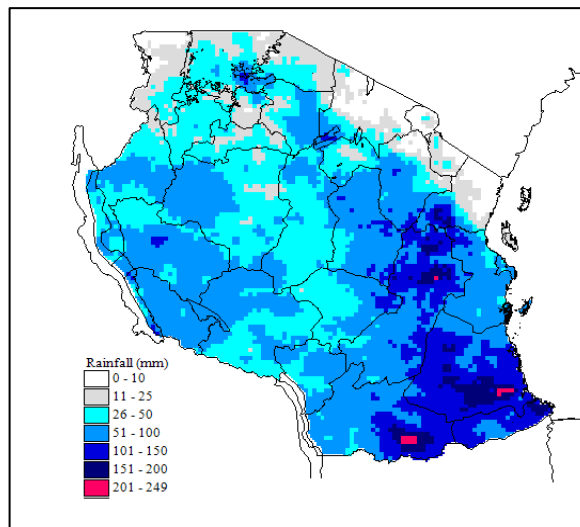


Figure 1: Total rainfall for the period of February 1-10, 2023

AGROMETEOROLOGICAL SUMMARY DURING FEBRUARY 1-10, 2023

The ongoing rainfall activities in most areas of the country favoured crop growth and development following the improved soil moisture.

In most unimodal areas, maize crop was reported to be in good condition. The maize crop over Tabora, and Kigoma regions was reported to be at wax ripeness stages.

On the other hand of bimodal rainfall regime specifically Kagera, Shinyanga and Simiyu farmers continued with maize harvesting.

Paddy crop was at the third leaf and tillering stages over Tabora, Mbeya, Morogoro and Rukwa regions, and farmers continued with weeding activities.

Irish potatoes over Njombe and Mbeya regions were reported to be at the flowering stage.

Pastures and water availability for livestock and wildlife have continued to improve in most areas of the country due to the experienced rainfall conditions.

HYDROMETEOROLOGICAL CONDITIONS DURING FEBRUARY 1-10, 2023

Water levels in dams and river flow discharges continued improving due to experienced rainfall conditions.

EXPECTED SYNOPTIC CONDITIONS DURING FEBRUARY 11-20, 2023

This dekad is expected to be dominated by slightly intensification of the northern hemisphere high pressure systems and maintenance of the northern hemisphere high pressure systems. This condition is expected to propagate the position and oscillation of the ITCZ over some areas of the country especially the southern sector.

The SSTs over the eastern Indian Ocean are expected to be normal to slightly cooler than normal while the western Indian Ocean is expected to have normal to slightly warmer than normal SSTs.

Low level westerly wind anomaly is expected mainly during the second half of the dekad and is likely to favour moisture influx from Congo basin towards the western sector of the country.

EXPECTED WEATHER DURING FEBRUARY 11-20, 2023

Areas around, Lake Victoria basin (Kagera, Geita, Shinyanga, Mwanza, Simiyu and Mara) and western regions (Kigoma, Katavi and Tabora) are expected to feature isolated thundershowers over few area.

Southwestern highlands (Rukwa, Songwe, Mbeya, Njombe and Iringa) and southern region (Ruvuma and southern Morogoro) are expected to feature thundershowers over some areas.

Northeastern highlands (Arusha, Manyara and Kilimanjaro) is expected to feature mainly light rain showers over few areas.

Northern coast (Tanga, northern Morogoro, Pwani and Dar es Salaam together with isles of Unguja and Pemba) is expected to feature rain showers with isolated cases of thunderstorms especially during the second half of the dekad.

Central areas (Dodoma and Singida) and southern coast (Mtwara and Lindi) are expected to feature rain showers with isolated cases of thunderstorms over few areas.

AGROMETEOROLOGICAL OUTLOOK AND ADVISORY DURING FEBRUARY 11-20, 2023

The expected rains in some areas of the country specifically unimodal areas will continue favouring soil moisture replenishment that eventually support crop growth and development.

Farmers in unimodal rainfall areas are advised to continue with crop weeding, fertilizer application, and control of pests and diseases in consultation with extension officers from their localities.

Fishers are advised to continue making good use of daily weather forecasts including marine forecast from Indian Ocean and from all great lakes for better decisions on fishing activities.

Farmers, fishers and livestock keepers are advised to utilize weather forecasts and updates as issued by TMA.

EXPECTED HYDROMETEOROLOGICAL CONDITIONS DURING FEBRUARY 11-20, 2023

Water levels in dams and river flow discharges are expected to continue improving due to the expected rainfall. However, communities are advised to harvest rainwater for future use.