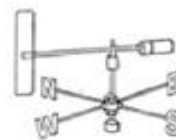




TANZANIA METEOROLOGICAL AUTHORITY



AGROMETEOROLOGICAL BULLETIN

No.25: 2023/24 Cropping Season

Review of June 1-10, 2024, and Outlook for June 11-20, 2024

HIGHLIGHTS

- Dry conditions expected over most areas will likely favor ripening and drying of crops such as maize and sunflower as well as support harvesting of matured crops.
- The expected periods of strong winds are likely to affect fishing activities.

SYNOPTIC SUMMARY DURING JUNE 1-10, 2024

During the dekad, the southern hemisphere high pressure systems (St. Helena and Mascarenes) intensified while the northern hemisphere high pressure systems (Azores and Siberian) relaxed. This condition pushed the Inter Tropical Convergence Zone (ITCZ) northward out of the country.

The Sea Surface Temperatures (SSTs) over the eastern Indian Ocean were warmer than that of the western Indian Ocean. This condition suppressed precipitation making mechanisms in the country.

The above weather systems favoured dry conditions in most part of the country with periods of strong winds over the entire coast and the major lakes.

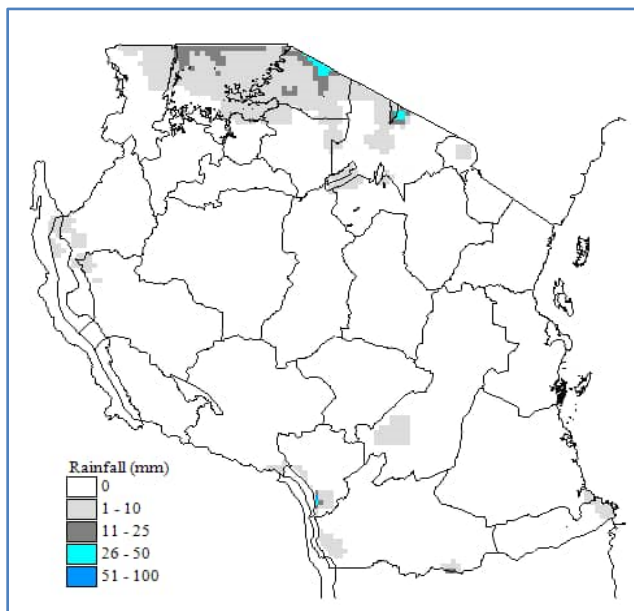


Figure 1: Total dekadal rainfall for June 1-10, 2024

RAINFALL PERFORMANCE DURING JUNE 1-10, 2024

During this dekad, most areas of the country were generally dry while some areas around Lake Victoria basin received total dekadal rainfall of less than 25mm. However, a few areas in Mara region experienced a dekadal rainfall total ranging from 26 mm to 50 mm as indicated in Figure 1.

AGROMETEOROLOGICAL SUMMARY DURING JUNE 1-10, 2024

During this dekad, the dry conditions experienced over most part of the country favoured the ripening and drying of matured crops such as maize and sunflower as well as supported harvesting activities.

In most of the bimodal areas, maize crop was at wax ripeness stages except in areas around Lake Victoria where the crop was at full ripeness stage.

Over unimodal rainfall pattern areas, maize crop was at full ripeness and farmers particularly in Mtwara and Tabora regions were engaged in harvesting.

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Moreover, paddy crop was at the full ripeness stage and farmers were finalizing harvesting activities.

The Sunflower was at the ripeness stages in Dodoma and Singida and farmers were engaging in harvesting while in Morogoro region was at ripeness stage.

The wheat crop was at wax ripeness stage, particularly in Njombe and Mbeya regions, while bean crop was at the ripeness stage in Mbeya and Songwe regions.

Coffee crop were at beery hard stage in Kilimanjaro and Songwe regions

Water and pasture for livestock and wildlife were sufficient over most areas in the country.

**HYDROMETEOROLOGICAL CONDITIONS
DURING JUNE 1-10, 2024**

Water levels in dams and river flow discharges slightly decreased in most areas of the country.

**EXPECTED SYNOPTIC CONDITIONS
DURING JUNE 11-20, 2024**

During this period, the southern hemisphere high-pressure systems are expected to intensify while the northern hemisphere high-pressure systems are expected to relax. This condition is expected to make the ITCZ to move further north out of the country.

The SSTs over the south-western Indian Ocean is expected to be slightly cooler than normal. This condition is expected to strengthen southerly and south-easterly winds thereby weakening precipitation making mechanisms over the country.

**EXPECTED WEATHER CONDITIONS DURING
JUNE 11-20, 2024**

Areas around the Lake Victoria Basin (Kagera, Geita, Shinyanga, Mwanza, Simiyu, and Mara regions), southwestern highlands (Rukwa, Songwe, Mbeya, Njombe, and Iringa regions), northeastern highlands (Arusha, Manyara, and Kilimanjaro region), southern coast (Mtwara and Lindi regions), western regions (Kigoma, Katavi, and Tabora) and southern regions (Ruvuma and southern part of Morogoro region) and northern coast (Tanga, northern part of Morogoro, Pwani, and Dar es Salaam regions, including the isles of Unguja and Pemba) are expected to feature dry condition with periods of strong winds.

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The central areas (Dodoma and Singida regions) are expected to feature dry conditions.

**AGROMETEOROLOGICAL OUTLOOK AND
ADVISORY DURING JUNE 11-20, 2024**

The dry conditions expected over most areas of the country will likely continue favoring the ripening and drying of matured crops such as maize and sunflower as well as support harvesting activities. Moreover, the expected periods of strong winds are likely to affect fishing activities.

Livestock keepers are advised to gather and store pastures for future use.

Fishing communities are advised to continue making follow up on daily weather forecasts, especially for the Indian Ocean and the Great Lakes to make decisions on the right time to go out for fishing to avoid the effects of severe weather particularly strong winds and large waves.

**EXPECTED HYDROMETEOROLOGICAL
CONDITIONS DURING JUNE 11-20, 2024**

Water levels in dams and river flow discharges over some areas of the country are expected to decrease slightly due to expected dry condition.