

### HIGHLIGHTS

- Most parts of the country are expected to experience mainly dry and cool conditions.
- The expected light rain showers particularly over coastal belt may likely affect harvesting, drying and storage of maize crops but favour flowering of mango trees as well as support soil moisture replenishment for the planted cassava.
- Farmers from bimodal areas are advised to start land preparation ready for the *Vuli* cropping season.

### SYNOPTIC SUMMARY DURING AUGUST 1-10, 2023

During this dekad, the southern hemisphere high pressure systems (St. Helena and Mascarene) continued to intensify while the its counterparts, the northern hemisphere high pressure systems (Azores and Siberian) relaxed. This condition maintained the ridging high and successively periods of moderate to strong winds speed over the country while advecting cool air to some areas of the country.

Sea Surface Temperatures (SSTs) over the southeast Atlantic Ocean (near Angola coast), western Indian Ocean and the Central Equatorial Pacific Ocean (CEPO) were slightly warmer. On the other hand, SSTs over the eastern Indian Ocean were slightly cooler. These conditions slightly contributed to the advection of moist maritime winds toward the coastal areas.

### RAINFALL PERFORMANCE DURING AUGUST 1-10, 2023

During this dekad, most areas of the country were generally dry with few areas in Lindi, Morogoro, Ruvuma, and the high ground of Kilimanjaro region that received a total rainfall of between 26 and 100 mm as indicated in Figure 1.

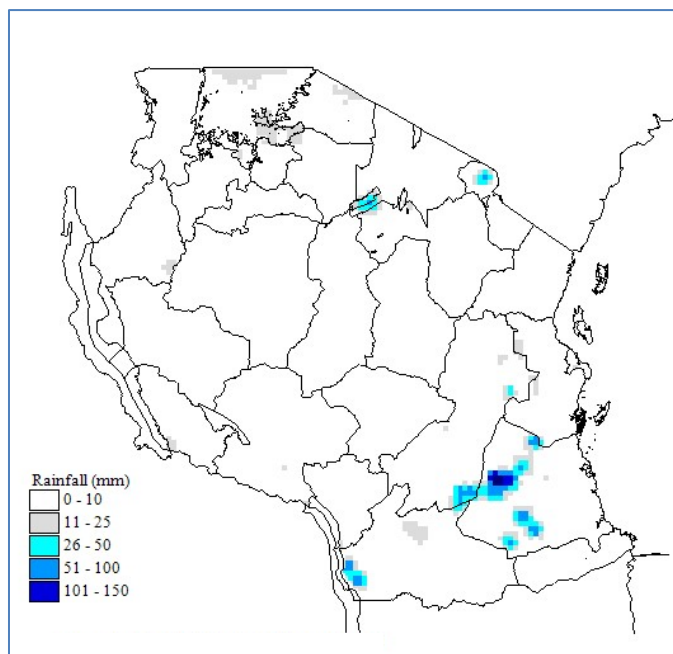


Figure 1: Total rainfall estimates from satellite data for the period of August 1-10, 2023

### AGROMETEOROLOGICAL SUMMARY DURING AUGUST 1-10, 2023

During this dekad, most parts of the country experienced dry conditions that favoured crop harvesting and storage.

Farmers in the bimodal areas were engaged in maize harvesting, drying, and storage activities. In addition to that, the cassava crop was at full ripeness and farmers continued with harvesting activities, particularly over the Pwani region.

On the other hand, in most parts of the unimodal areas particularly in Njombe region, farmers were engaged in maize crop harvesting and storage.

The availability of water and pastures for livestock slightly decreased in most areas of the country.

## HYDROMETEOROLOGICAL CONDITIONS DURING AUGUST 1-10, 2023

**W**ater levels in dams and river flow discharges slightly decreased in most areas of the country.

## EXPECTED SYNOPTIC CONDITIONS FROM AUGUST 11-20, 2023

**T**his period is expected to continue being controlled by the intensification of the southern hemisphere high pressure systems and the relaxation of the northern hemisphere high pressure systems. This situation is expected to maintain the ridging high over the country while advecting cool air to some areas of the country.

SSTs over the southeast Atlantic Ocean (near Angola coast), western Indian Ocean, and the Central Equatorial Pacific Ocean are expected to be slightly warmer. On the other hand, SSTs over the eastern Indian Ocean are expected to be slightly cooler. These conditions are expected to slightly contribute to the advection of moist maritime winds toward the coastal areas.

## EXPECTED WEATHER CONDITION DURING AUGUST 11-20, 2023

**A**reas around Lake Victoria basin (Kagera, Geita, Shinyanga, Mwanza, Simiyu, and Mara) are expected to feature isolated cases of thunderstorms.

Western regions (Kigoma, Katavi, and Tabora) are expected to feature mainly dry conditions.

The northern coast (Tanga, northern part of Morogoro, Pwani, and Dar es Salaam together with the isles of Unguja and Pemba) is expected to feature light rain showers over a few areas.

The northeastern highlands (Arusha, Manyara, and Kilimanjaro), southwestern highlands (Rukwa, Songwe, Mbeya, Njombe, and Iringa), southern region (Ruvuma and southern part of Morogoro), and central areas (Dodoma and Singida) are expected to feature mainly dry with cool conditions.

The southern coast (Mtwara and Lindi) is expected to feature mainly dry and cool conditions with pockets of light rain showers.

## AGROMETEOROLOGICAL OUTLOOK AND ADVISORY DURING AUGUST 11-20, 2023

**T**he expected dry conditions over northeastern highlands, southwestern highlands, southern regions, central areas, and western regions will continue favoring late harvesting, drying, and storage of crops. In addition, the expected cool weather in various parts of the country may lead to cold-related diseases in livestock.

The expected light rain showers over the coastal belt may likely affect the harvesting, drying, and storage of maize crops but favor the flowering of mango trees as well as support soil moisture replenishment for the planted cassava.

Farmers from bimodal areas are advised to start land preparation ready for the *Vuli* cropping season.

Fishing communities are advised to continue making good use of daily weather forecasts and advisories including marine forecasts for the Indian Ocean and the great lakes for better decisions.

Due to expected dry conditions over most parts of the country, livestock keepers are advised to use available water and pastures sparingly.

## EXPECTED HYDROMETEOROLOGICAL CONDITIONS DURING AUGUST 11-20, 2023

**W**ater levels in dams and river flow discharges are expected to slightly decrease due to the expected dry conditions.

The communities are advised to make good use of available water due to prevailing dry condition in many areas of the country.