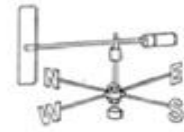




# TANZANIA METEOROLOGICAL AUTHORITY



## AGROMETEOROLOGICAL BULLETIN

No.32: 2022/23 Cropping Season

Review of August 11-20, 2023, and Outlook for August 21-31, 2023

### HIGHLIGHTS

- Most parts of the country are expected to experience mainly dry and cool conditions.
- The expected light rain showers over the coastal belt regions may likely affect the cashew nuts at the flowering stage.
- Farmers from bimodal areas are advised to start land preparation ready for the *Vuli* cropping season.

### SYNOPTIC SUMMARY DURING AUGUST 11-20, 2023

**D**uring this dekad, the southern hemisphere high pressure systems (St. Helena and Mascarene) intensified while the northern hemisphere high pressure systems (Azores and Siberian) relaxed. This situation maintained the ridging high 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 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 11-20, 2023

**D**uring this dekad, most areas of the country were generally dry with few areas around Lake Victoria and the Arusha region that received a total rainfall of less than 15 mm as indicated in Figure 1.

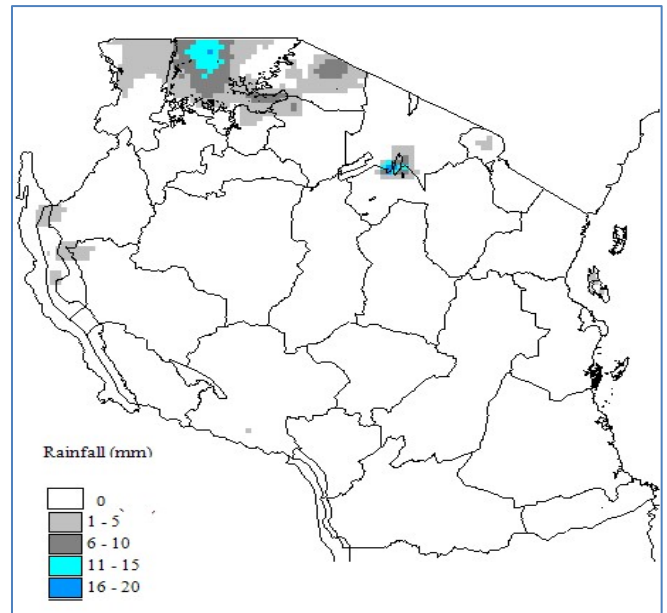


Figure 1: Total rainfall estimates from satellite data for the period of August 11-20, 2023

### AGROMETEOROLOGICAL SUMMARY DURING AUGUST 11-20, 2023

**D**uring this dekad, most parts of the country experienced dry conditions.

Few farmers over bimodal areas were engaged in land preparation, particularly in areas around the Lake Victoria basin.

The availability of water and pastures for livestock slightly decreased in most areas of the country due to prevailing dry conditions.

HYDROMETEOROLOGICAL CONDITIONS

FROM AUGUST 11-20, 2023

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

EXPECTED SYNOPTIC CONDITIONS

FROM AUGUST 21-31, 2023

This 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. The SSTs over the southeast Atlantic Ocean (near Angola coast) and over the eastern Indian Ocean are expected to be slightly cooler while SSTs over the west Indian Ocean and over the Central Equatorial Pacific Ocean are expected to be slightly warmer. These conditions are likely to contribute to the advection of moist maritime winds toward the coastal areas.

EXPECTED WEATHER CONDITIONS DURING

AUGUST 21-31, 2023

Areas around Lake Victoria basin (Kagera, Geita, Shinyanga, Mwanza, Simiyu, and Mara), northeastern highlands (Arusha, Manyara, and Kilimanjaro), central areas (Dodoma and Singida) and 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 southwestern highlands (Rukwa, Songwe, Mbeya, Njombe, and Iringa), southern region (Ruvuma and the southern part of Morogoro), and southern coast (Mtwara and Lindi) are expected to feature mainly dry with cool conditions.

AGROMETEOROLOGICAL OUTLOOK AND

ADVISORY DURING AUGUST 21-31, 2023

The expected dry conditions are likely to favor land preparation ready for the Vuli cropping season.

The expected light rain showers over the coastal belt regions may likely affect the cashew nuts at the flowering stage.

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 sparingly use available water and pastures.

EXPECTED HYDROMETEOROLOGICAL CONDITIONS

DURING AUGUST 21-31, 2023

Water 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.