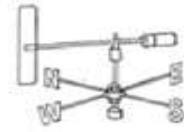




TANZANIA METEOROLOGICAL AUTHORITY



AGROMETEOROLOGICAL BULLETIN

No.33: 2022/23 Cropping Season

Review of August 21-31, 2023, and Outlook for September 1-10, 2023

HIGHLIGHTS

- Most parts of the country are expected to experience mainly dry conditions.
- Farmers from bimodal areas are advised to start land preparation ready for the *Vuli* cropping season.

SYNOPTIC SUMMARY DURING AUGUST 21-31, 2023

During this dekad, 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 most areas of the country. The Sea Surface Temperatures (SSTs) over the eastern Indian Ocean were slight cooler while SSTs over the West Indian Ocean were slight warmer. This condition contributed to slightly moist maritime air blowing towards the coastal areas of the country.

RAINFALL PERFORMANCE DURING AUGUST 21-31, 2023

During the period under review, many areas were dry, while some areas in the country received less total rainfall of less than 25 millimetres. Only a few areas received more than 25 mm of rain, as can be seen in Figure 1.

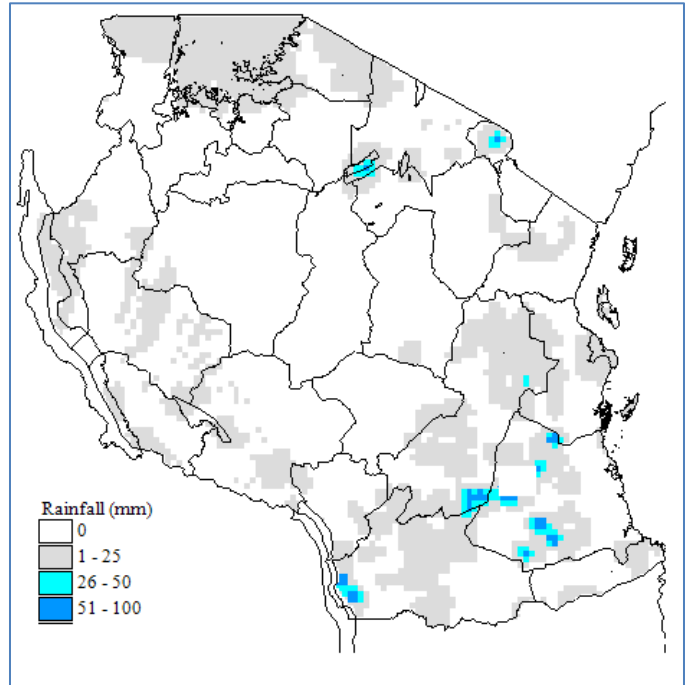


Figure 1: Total rainfall estimates from satellite (REE) data for the period of August 21-31, 2023

AGROMETEOROLOGICAL SUMMARY DURING AUGUST 21-31, 2023

During this dekad, most parts of the country experienced dry conditions. There were also periods of moderate to strong winds accompanied with large waves over the coast and the major lakes that slightly affected fishing activities. 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.

**HYDROMETEOROLOGICAL CONDITIONS
FROM AUGUST 11-20, 2023**

Water levels in dams and river flow discharges continue decreasing in most areas of the country due to the prevailing dry conditions.

**EXPECTED SYNOPTIC CONDITIONS
FROM SEPTEMBER 1-10, 2023**

During this period, southern hemisphere high pressure systems are expected to slightly relax while the northern hemisphere high pressure systems are expected to slightly intensify.

This situation is expected to push the Inter-Tropical Convergence Zone (ITCZ) southwards thereby occupying some areas of the country, especially over the extreme north (parts of the Lake Victoria basin).

SSTs over the western Indian Ocean are expected to be slightly warm and neutral to slightly cool over the eastern Indian Ocean. This situation is expected to result in a weak advection of moisture towards the coastal areas.

**EXPECTED WEATHER CONDITIONS DURING
SEPTEMBER 1-10, 2023**

Areas around Lake Victoria basin (Kagera, Geita, Shinyanga, Mwanza, Simiyu, and Mara) are expected to feature thundershowers over few areas.

Northeastern highlands (Arusha, Manyara, and Kilimanjaro), central areas (Dodoma and Singida) and western regions (Kigoma, Katavi, and Tabora), 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 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.

**AGROMETEOROLOGICAL OUTLOOK AND
ADVISORY DURING SEPTEMBER 1-10, 2023**

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

Farmers from bimodal areas are advised to continue with land preparation.

Fishing communities are advised to continue making good use of daily weather forecasts and advisories especially on the Indian Ocean and the Great Lakes to make decisions on the right time to go for fishing due to the windy conditions that appear frequently.

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 SEPTEMBER 1-10, 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.