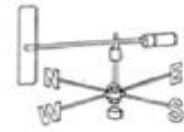




TANZANIA METEOROLOGICAL AUTHORITY



AGROMETEOROLOGICAL BULLETIN

No.34: 2022/23 Cropping Season

Review of September 1-10, and Outlook for September 11-20, 2023

HIGHLIGHTS

- Most parts of the areas around Lake Victoria and Western regions are expected to experience rainy conditions which will favour soil moisture replenishment.
- Farmers from bimodal areas are advised to continue with land preparation ready for the *Vuli* cropping season.

SYNOPTIC SUMMARY DURING

SEPTEMBER 1-10, 2023

During this dekad, the southern hemisphere high pressure systems (St. Helena and Mascarene) slightly relaxed while the northern hemisphere high pressure systems (Azores and Siberian) slightly intensified. This situation contributes to the positioning of 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) thereby strengthening the precipitation-making mechanism.

Sea Surface Temperatures (SSTs) over the western Indian Ocean were slightly warm and over the eastern Indian Ocean were neutral to slightly cool. This situation influenced blowing moist maritime air toward the coastal areas.

RAINFALL PERFORMANCE DURING

SEPTEMBER 1-10, 2023

During this dekad, most areas of the country were generally dry while some areas around the Lake Victoria basin and the western part of the country experienced rainy conditions with few areas receiving more than 150 mm of total rainfall within 10 days as indicated in Figure 1.

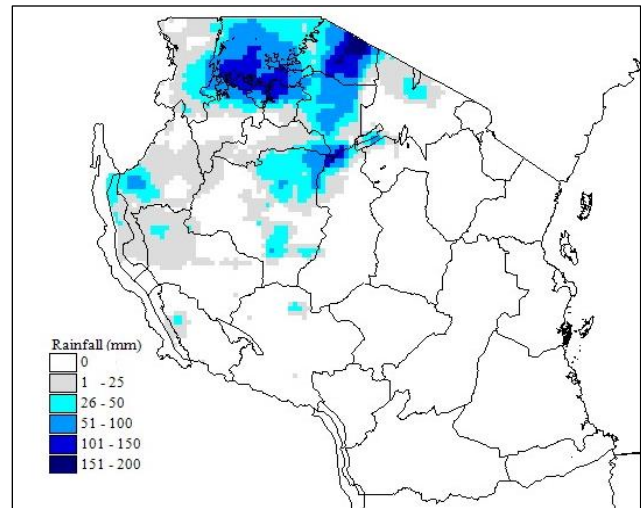


Figure 1: Total rainfall estimates from satellite data for September 1-10, 2023

AGROMETEOROLOGICAL SUMMARY

DURING SEPTEMBER 1-10, 2023

During this dekad, most parts of the country experienced dry conditions. This condition affected water availability but favored land preparation activities.

Most farmers over bimodal areas were engaged in land preparation. Water and pasture availability for livestock slightly decreased in most areas of the country.

HYDROMETEOROLOGICAL CONDITIONS

FROM SEPTEMBER 1-10, 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 11-20, 2023

AGROMETEOROLOGICAL OUTLOOK AND
ADVISORY DURING SEPTEMBER 11-20, 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 ITCZ southwards thereby occupying some areas of the country, especially over the Lake Victoria basin and the Western part of the country.

The SSTs over a large part of the Indian Ocean are expected to be slightly warmer than normal; this condition is expected to slightly influence the advection of moist maritime wind towards the coastal belt mainly during the first half of the dekad.

The SSTs over the southeast Atlantic Ocean (near Angola coast) are expected to be warmer than normal, the condition which is expected to have less contribution in the advection of moist westerly winds from Congo Basin towards the western sector of the country.

EXPECTED WEATHER CONDITIONS DURING
SEPTEMBER 11-20, 2023

EXPECTED HYDROMETEOROLOGICAL CONDITIONS
DURING SEPTEMBER 11-20, 2023

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

The western regions (Kigoma, Katavi, and Tabora) are expected to feature thundershowers over a few areas, especially during the first half of the dekad.

Northeastern highlands (Arusha, Manyara, and Kilimanjaro) are expected to experience mainly dry conditions with pockets of light rain showers.

Central areas (Dodoma and Singida) and 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.

The expected rainfall expected over areas around Lake Victoria, Western regions, the northern coast, and northeastern highlands is likely to favor soil replenishment.

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 including marine forecasts for the Indian Ocean and the Great Lakes for better decisions.

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

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 conditions in many areas of the country.