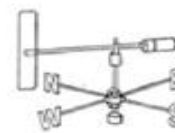




TANZANIA METEOROLOGICAL AUTHORITY



AGROMETEOROLOGICAL BULLETIN

No.30: 2022/23 Cropping Season

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

HIGHLIGHTS

- Most parts of the country are expected to experience mainly dry and cool conditions.
- The expected strong winds and large waves particularly over coastal belt may affect fishing activities.
- Due to expected dry and windy conditions over most part of the country, livestock keepers are advised to make good use of available water and pastures.

SYNOPTIC SUMMARY DURING

JULY 21-31, 2023

During this dekad, southern hemisphere high pressure systems (St. Helena and Mascarene) continued to intensify while its counterparts, the northern hemisphere high pressure systems (Azores and Siberian) relaxed. This situation maintained the ridging high over the country with periods of moderate to strong wind over 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 slight warmer. On the other hand, SSTs over the eastern Indian Ocean were slight cooler. These conditions had slightly contribution in the advection of moist maritime winds toward the coastal areas.

RAINFALL PERFORMANCE DURING

JULY 21-31, 2023

During this dekad, most areas of the country were generally dry with few areas in Mtwara, Pwani and Mara regions which experienced dekadal rainfall amount between 26 and 50mm as indicated in Figure 1.

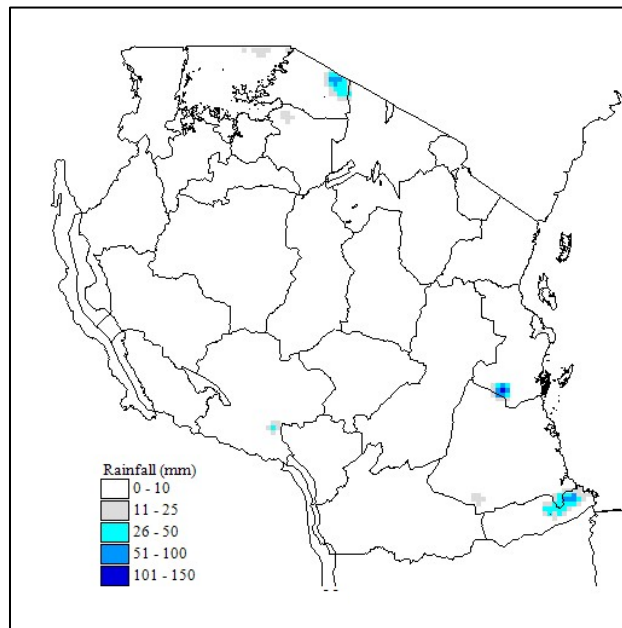


Figure 1: Total rainfall estimates from satellite data for the period of July 21-31, 2023

AGROMETEOROLOGICAL SUMMARY DURING

JULY 21-31, 2023

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

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

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

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

HYDROMETEOROLOGICAL CONDITIONS
DURING JULY 21-31, 2023

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

EXPECTED SYNOPTIC CONDITIONS
FROM AUGUST 1-10, 2023

During this dekad, the southern hemisphere high pressure systems are expected to continue intensifying with the relaxation of its counterparts, the northern hemisphere high pressure systems. This condition is expected to maintain the ridging high and successively periods of moderate to strong wind speed 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 slight warmer.

On the other hand, SSTs over the eastern Indian Ocean are expected to be slight cooler. These conditions are expected to have slightly contribution in the advection of moist maritime winds toward the coastal areas.

EXPECTED WEATHER CONDITION DURING
AUGUST 1-10, 2023

Areas around Lake Victoria basin (Kagera, Geita, Shinyanga, Mwanza, Simiyu, and Mara) 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 with periods of moderate to strong winds and large ocean waves.

The Northeastern highlands (Arusha, Manyara, and Kilimanjaro) are expected to feature mainly dry with cool condition are expected. However, short periods of light rains over the high ground areas

South western 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 are expected with pockets of light rain showers and periods of moderate to strong winds and large ocean waves.

AGROMETEOROLOGICAL OUTLOOK AND
ADVISORY DURING AUGUST 1-10, 2023

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

The expected strong winds and large waves particularly over the coastal belt may likely affect fishing activities. However, the 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 1-10, 2023

Water levels in dams and river flow discharges are expected to slightly decrease due to dry and windy conditions.

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