TANZANIA METEOROLOGICAL AUTHORITY



AGROMETEOROLOGICAL BULLETIN

No.01: 2026/27 Cropping Season *Review of October 1-10, 2026 and Outlook for October 11-20, 2026*

HIGHLIGHTS

- The expected rainy condition in some areas particularly over the Lake Victoria Basin, northeastern highlands, northern coast and southern coast will continue to support pasture availability for livestock, land preparation and crops planting in some areas.
- Farmers in most areas are advised to continue with land preparation for the upcoming rainfall season.
- Agricultural stakeholders are advised to make follow-ups on daily weather forecast updates from TMA.

SYNOPTIC SUMMARY DURING OCTOBER 1-10, 2026

During this dekad, the northern hemisphere high-pressure systems (Azores and Siberian) slightly intensified while the southern hemisphere high pressure systems (St. Helena and Mascarenes) relaxed. This condition moved the Meridional arm of the Inter Tropical Convergence Zone (ITCZ) slightly southward thereby occupying some areas of the Lake Victoria Basin, western parts of our country and few parts of the southwestern highlands.

Additionally, the Sea Surface Temperatures (SSTs) over the western Indian Ocean were warmer than that over the eastern Indian Ocean. This condition pulled moist maritime easterly and southeasterly wind flows towards the coastal and the northeastern highlands, thereby enhancing rainfall-making mechanisms over those areas.

The above weather systems resulted into periods of thundershowers over the Lake Victoria Basin and rain showers over the coastal areas, southwestern highlands and over the northeastern highlands.

RAINFALL PERFORMANCE DURING OCTOBER 1-10, 2026

During this dekad, most areas of the country experienced ten days rainfall amount ranging between 1 and 25 millimeters. However, few areas in Kagera, Mara, Kilimanjaro and Tanga regions received ten days rainfall ranging between 51 and 100 millimeters as shown in figure 1.

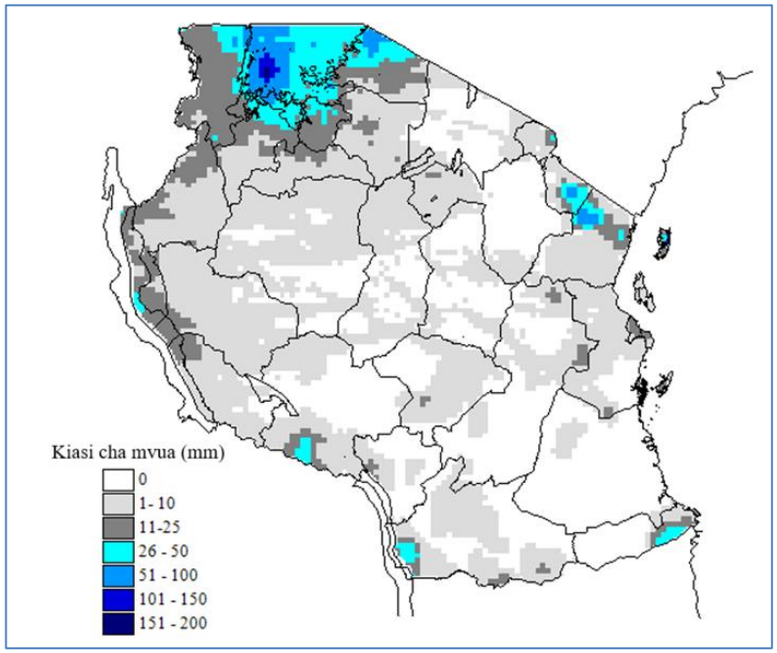


Figure 1: Total rainfall amount (mm) for October 1-10, 2026

AGROMETEOROLOGICAL SUMMARY DURING OCTOBER 1-10, 2026

During this dekad under review, the rainy condition experienced over some areas support soil moisture replenishment and farm preparation. while, in some areas around Lake Victoria basin and northern coast supported pasture growth for livestock and crops planting in some areas.

Among perennial crops, coffee crops in Moshi region were at harvesting stage, cashew crops in the Mtwara region were at ripeness stage, On the other hand, cloves in Muheza district in Tanga region were at the ripeness stage. In contrast, cloves in Kizimbani are in '***Mavi ya panya***' stage.

Water and pasture availability for livestock and wildlife to some areas slightly increased due to improved rainy conditions.

HYDROMETEOROLOGICAL CONDITIONS DURING OCTOBER 1-10, 2026

In general, the water levels in dams and river flows began to rise, especially in areas that receive the short rains (Vuli season).

EXPECTED SYNOPTIC CONDITIONS DURING OCTOBER 11-30, 2026

During this dekad, the northern hemisphere high pressure systems are expected to continue intensifying while the southern hemisphere high pressure systems are expected to slightly relax. This condition is expected to allow the southward movement of meridional arm of the ITCZ thereby occupying some areas of the Lake Victoria basin and western part of the country.

Additionally, SSTs over the western Indian Ocean are expected to be warmer than that over the eastern Indian Ocean. This condition is expected to result into moist maritime easterly and southeasterly winds towards the coastal areas and the northeastern highlands and thus enhancing rainfall making mechanisms over those areas.

EXPECTED WEATHER CONDITIONS DURING OCTOBER 11-20, 2026

Areas around Lake Victoria Basin (Kagera, Geita, Shinyanga, Mwanza, Simiyu, and Mara regions) are expected to feature periods of thundershowers over some areas.

Northeastern highlands (Arusha, Manyara and Kilimanjaro regions) are expected to feature periods of rain showers over few areas.

Northern coast (Tanga, the northern part of Morogoro, Pwani and Dar es Salaam regions, together with the islands of Unguja and Pemba) are expected to feature periods of rain showers over some areas. Southern coast (Mtwara and Lindi regions) is expected to feature periods of light rain showers over few areas.

Western regions (Kigoma, Katavi and Tabora) are expected to feature periods of thundershowers over few areas, especially in Kigoma region.

Southern region (Ruvuma and the southern part of Morogoro), central areas (Dodoma and Singida), southwestern highlands (Rukwa, Songwe, Mbeya, Njombe and Iringa regions) are expected to feature mainly dry conditions.

AGROMETEOROLOGICAL OUTLOOK AND ADVISORY DURING OCTOBER 11-20, 2026

The rainy condition expected in some areas particularly over the Lake Victoria Basin, northeastern highlands, northern coast and southern coast will continue to support pasture availability for livestock, land preparation and crops planting in some areas.

ADVISORIES:

- **Bimodal areas (Lake Victoria Basin, northeastern highlands and northern coast):** Farmers are advised to check daily weather forecasts and prepare for localized periods of rain showers over few areas.
- **Unimodal areas (Southern coast, western regions, central regions, southwestern highlands, and southern regions):** Farmers are advised to continue with land preparation while continuing to make follow up on daily weather forecasts.
- **Livestock keepers:** Are advised to use available water and pastures responsibly while continuing to make follow up on daily weather forecasts.
- **Fishers from Oceans and Great Lakes:** Are advised to continue following daily weather forecasts and take precautions, especially during occurrences of strong winds and waves.

These advisories aim to enhance agricultural productivity and reduce risks associated with hazardous weather conditions. Farmers and agriculture stakeholders are advised to use weather information effectively and consult local extension officers for enhanced agricultural production.

EXPECTED HYDROMETEOROLOGICAL CONDITIONS DURING OCTOBER 11-20, 2026

Water levels in dams and rivers are expected to vary depending on the distribution of rainfall. The onset of the short rains (Vuli season) is anticipated to increase water levels in the respective areas, while close monitoring of rivers and dams continues due to expectations of the seasonal rainfall.

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