TANZANIA METEOROLOGICAL AUTHORITY



AGROMETEOROLOGICAL BULLETIN

No.03: 2026/27 Cropping Season *Review of October 21-31, 2026 and Outlook for November 1-10, 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 of the country are advised to continue with land preparation and plant crops when soil moisture is sufficient for seed germination
- Agricultural stakeholders are advised to make follow-ups on daily weather forecast updates from TMA.

SYNOPTIC SUMMARY DURING OCTOBER 21-31, 2026

During this dekad, the northern hemisphere high pressure systems (Azores and Siberian) intensified while the southern hemisphere high pressure systems (St. Helena and Mascarenes) relaxed. This condition maintained the southward movement of the meridional arm of the Inter Tropical Convergence Zone (ITCZ), thereby occupying some areas of the Lake Victoria Basin and western parts of the country and few places 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 maintained moist maritime easterly and southeasterly wind flowing towards the coastal and the northeastern highlands, thereby enhancing rainfall-making mechanisms over those areas.

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

RAINFALL PERFORMANCE DURING OCTOBER 21-31, 2026

During this dekad, most areas in the western regions and around the Lake Victoria Basin, and some areas in the northeastern highlands and southwestern highlands experienced dekadal rainfall amounts ranging between 1 and 100 mm. owever, the highest rainfall amount above 100 mm was experienced in few areas of Mara and Simiyu regions as shown in Figure 1.

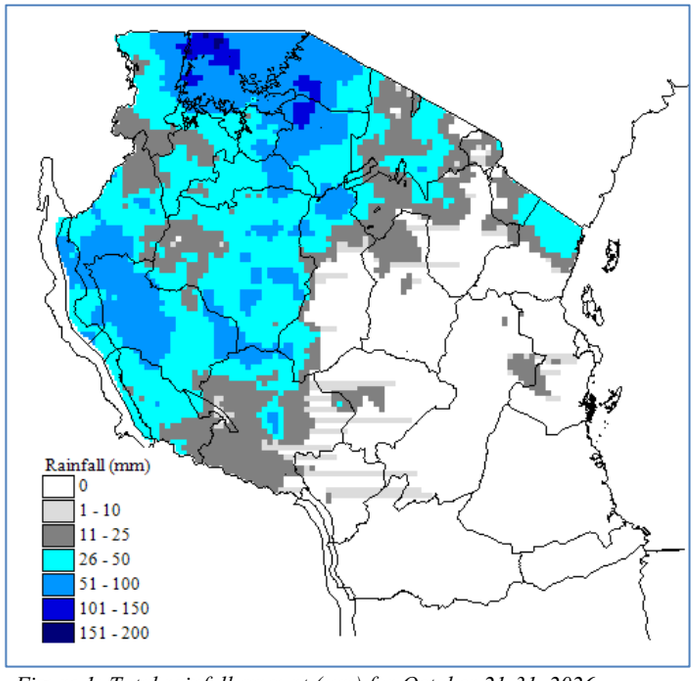


Figure 1: Total rainfall amount (mm) for October 21-31, 2026

AGROMETEOROLOGICAL SUMMARY DURING OCTOBER 21-31, 2026

During this dekad under review, rainfall received in some areas enhanced soil moisture replenishment and supported land preparation activities. In some areas of the Lake Victoria Basin and northern coast, the prevailing rainy conditions also promoted pasture growth for livestock and supported planting activities while in some areas, crops had already reached the emergence stage.

For perennial crops, coffee in Moshi region were at the harvesting stage; cashew crops in the Mtwara region were at the 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 the '***karafuu changa***' stage.

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

HYDROMETEOROLOGICAL CONDITIONS DURING OCTOBER 21-31, 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 NOVEMBER 1-10, 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 relax. This condition is expected to maintain the southward movement of the meridional arm of the ITCZ, thereby covering parts of the Lake Victoria basin, the western part of the country, and at times a few places in the central and southwestern highlands.

Additionally, the SSTs over the western Indian Ocean are expected to be warmer than those 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 NOVEMBER 1-10, 2026

Areas around the 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), the northern coast (Tanga, the northern part of Morogoro, Pwani and Dar es Salaam regions, together with the islands of Unguja and Pemba) and Southwestern highlands (Rukwa, Songwe, Mbeya, Njombe and Iringa regions) are expected to feature periods of rain showers over a few areas, especially during the first half of the dekad.

The southern coast (Mtwara and Lindi regions), the southern region (Ruvuma and the southern part of Morogoro), and central areas (Dodoma and Singida regions) are expected to see periods of light rain showers over a few areas, especially during the first half of the dekad. Western regions (Kigoma, Katavi and Tabora) are expected to feature periods of thundershowers over few areas.

AGROMETEOROLOGICAL OUTLOOK AND ADVISORY DURING NOVEMBER 1-10, 2026

The rainy condition expected in some areas particularly over the Lake Victoria Basin, northeastern highlands and northern 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 plant crops when soil moisture is sufficient for seed germination while continuing to check daily weather forecasts
- **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 from bimodal rainfall areas are** advised to establish and maintain pastures to ensure adequate feed availability during the season. While those in **unimodal rainfall areas** are advised to utilize available water and pasture resources sustainably to maintain livestock production. Livestock keepers in both rainfall regimes are further advised to regularly monitor and make follow up on daily weather forecasts to support informed decision making and minimize weather related risk.
- **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 NOVEMBER 1-10, 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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