TANZANIA METEOROLOGICAL AUTHORITY



AGROMETEOROLOGICAL BULLETIN

No.36: 2025/26 Cropping Season *Review of September 21-30, 2026 and Outlook for October 1-10, 2026*

HIGHLIGHTS

- The expected light rains in few areas particularly over the Lake Victoria Basin, northeastern highlands, the northern coast and the southern coast will support soil moisture replenishment and pasture availability.
- 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 SEPTEMBER 21-30, 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) slightly relaxed. This condition moved the Inter Tropical Convergence Zone (ITCZ) slightly southward but still out of our country. Additionally, the local atmospheric circulations over the Southwestern highlands and the Lake Victoria Basin and low-level moisture-rich maritime easterly flow towards the coastal and nearby areas intermittently enhanced 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 SEPTEMBER 21-30, 2026

During this dekad, some areas of the country experienced ten days rainfall amount between 1 and 25 millimeters. However, few areas in Tanga region received ten days rainfall between 26 and 50 millimeters as shown in figure 1.

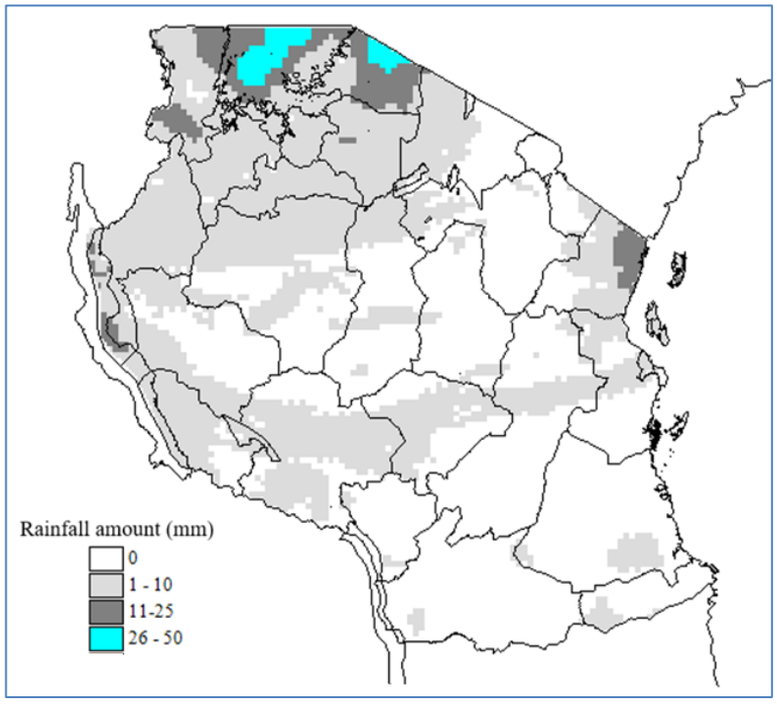


Figure 1: Total rainfall amount (mm) for September 21-30, 2026

AGROMETEOROLOGICAL SUMMARY DURING SEPTEMBER 21-30, 2026

During this dekad under review, the light rain experienced over few areas support soil moisture replenishment and farm preparation. In contrast, rainfall conditions experienced in some areas around Lake Victoria basin and northern coast supported pasture growth for livestock.

Among perennial crops, coffee crops in Moshi region were at harvesting stage, cashew in the Mtwara region were at the appearance of nuts stage. On the other hand, cloves in Pemba Islands and Muheza district in Tanga region were at the ripeness stage. In contrast, cloves in Kizimbani (Unguja Island) are in '***Makonyo***' stage.

Water and pasture availability for livestock and wildlife decreased due to prevailing dry conditions.

HYDROMETEOROLOGICAL CONDITIONS DURING SEPTEMBER 21-30, 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 OCTOBER11-30, 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 move the ITCZ slightly southward.

Additionally, sea surface temperatures over the western Indian Ocean are expected to be warmer than that over the eastern Indian Ocean. This condition is expected to pull moist maritime easterly to southeasterly wind flow towards the coastal and nearby areas, thereby enhancing rainfall making mechanisms over those areas. Moreover, the local atmospheric circulations over the Lake Victoria Basin are expected to intermittently enhance rainfall making mechanisms over those areas.

EXPECTED WEATHER CONDITIONS DURING OCTOBER 1-10, 2026

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

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

Western regions (Kigoma, Katavi and Tabora), the 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 1-10, 2026

The light rains expected in few areas particularly over the northeastern highlands, northern coast will continue to support pasture availability for livestock and land preparation. However, the expected dry condition particularly in unimodal areas will support storage activities and land preparation for upcoming rainfall season.

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 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 onset of El Niño.” 🌧️ 💧

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