

HIGHLIGHTS

- Expected rainfall in most parts of the country will continue favoring pastures, crop growth and development.
- Dry conditions expected over central regions (Dodoma and Singida) will likely favor the ripening of mature crops such as maize and sunflowers.
- Farmers and livestock keepers are advised to continue monitoring and take appropriate measures against any negative impacts on crops, crop fields, livestock, and pasture.

**SYNOPTIC SUMMARY DURING
APRIL 21-30, 2024**

During the dekad, the southern hemisphere high pressure systems (St. Helena and Mascariques) slightly intensified while the northern hemisphere high pressure systems (Azores and Siberian) relaxed. This condition allowed the Inter Tropic Convergence Zone (ITCZ) to migrate northwards.

The Sea Surface Temperatures (SSTs) over the large part of the western Indian Ocean were warmer than normal compared to the eastern Indian Ocean. This condition influenced moist maritime wind flow towards the country's coastal areas, thereby enhancing rainfall-making mechanisms.

The above weather systems favored thundershowers over the Lake Victoria Basin, west, southwestern highlands, northeastern highlands, and along the coast. Central areas experienced light to moderate rain showers.

**RAINFALL PERFORMANCE DURING
APRIL 21-30, 2024**

During this dekad, most areas of the country received total rainfall for ten days ranging from 11 mm to 150 mm except in a few areas of Dodoma, Singida, Manyara, Iringa, Njombe, Mbeya, Songwe, Ruvuma, Lindi, and Mtwara regions which experienced a total rainfall of less than 11mm. However, a few areas in Pwani, Dar es Salaam including Unguja Island and the southern part of Morogoro received more than 150 mm of rainfall as indicated in Figure 1.

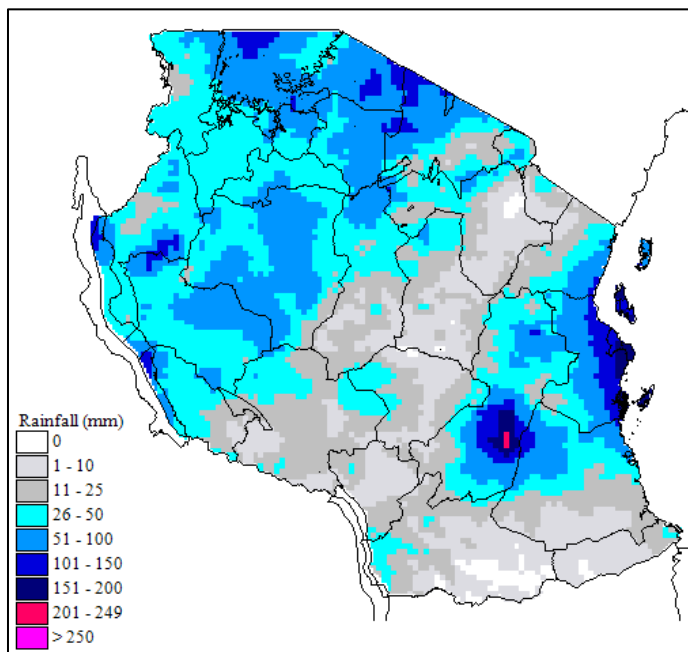


Figure 1: Total dekad rainfall for April 21-30, 2024

**AGROMETEOROLOGICAL SUMMARY
DURING APRIL 21-30, 2024**

During this dekad, rainy conditions experienced in some areas of the country supported crop growth and development. However, the prolonged rainy conditions experienced along coastal regions affected crop growth in some areas.

In most bimodal areas, the maize crop was at the vegetative stage except in areas around Lake Victoria, where the crop was at the wax ripeness stage. Farmers were engaged in weeding, fertilization, and pesticide applications.

No.21: 2023/24 Cropping Season

Over unimodal rainfall pattern areas, particularly in Kigoma, Tabora, Dodoma, Mbeya, Iringa, Ruvuma, and Rukwa regions maize crop was between wax and full ripeness.

Moreover, in the Rukwa, Tabora, Mbeya, Shinyanga, and Morogoro regions, paddy was between tasselling to wax ripeness to full ripeness stages. However, few farmers in Tabora region were engaged in paddy harvesting activity.

The Sunflower was at the ripeness stages in Dodoma, Singida, and in the budding stage in Morogoro region. The wheat crop was at the shooting stage, particularly in Njombe and Mbeya regions. Moreover, bean crops were at the flowering stage in Mbeya and Songwe regions

Water and pasture for livestock and wildlife were sufficient over most areas in the country.

HYDROMETEOROLOGICAL CONDITIONS

DURING APRIL 21-30, 2024

Water levels in dams and river flow discharges continued increasing in some areas due to the prevailing rainy conditions.

EXPECTED SYNOPTIC CONDITIONS

DURING MAY 1-10, 2024

During this period, the southern hemisphere high pressure systems are expected to intensify while the northern hemisphere high-pressure systems are expected to relax. This condition is expected to allow the ITCZ to oscillate further northwards and only to touch some part of LVB.

The SSTs over the southwestern Indian Ocean are expected to be warmer than normal. This condition is expected to influence the formation of a low pressure system over the southwestern Indian Ocean thereby strengthening precipitation-making mechanisms over the coast regions and nearby areas.

EXPECTED WEATHER CONDITIONS DURING MAY 1-10, 2024

Areas around the Lake Victoria Basin (Kagera, Geita, Shinyanga, Mwanza, Simiyu, and Mara regions) and western regions (Kigoma, Katavi, and Tabora) are expected to feature thundery showers over a few areas.

Southwestern highlands (Rukwa, Songwe, Mbeya, Njombe, and Iringa regions) are expected to experience rain showers over a few areas, especially over high grounds.

The northern coast (Tanga, the northern part of Morogoro, Pwani, and Dar es Salaam region, including the isles of Unguja and Pemba) and southern coast (Mtwara and Lindi regions) are expected to feature thunderstorms over some areas.

Central areas (Dodoma and Singida regions) are expected to feature

Review of April 21-30, 2024, and Outlook for May 1-10, 2024

mainly dry conditions.

Northeastern highlands (Arusha, Manyara, and Kilimanjaro regions) and southern regions (Ruvuma and southern part of Morogoro regions) are expected to feature rain showers over a few areas.

AGROMETEOROLOGICAL OUTLOOK AND

ADVISORY DURING MAY 1-10, 2024

The expected rainfall will likely continue favoring and supporting crop growth and development in both bimodal and unimodal areas. However, the rainfall expected in some areas in the coastal belt may likely affect crop growth due to water logging. Farmers in those areas are advised to take proper measures to control excessive water and the outbreak of pests and diseases in consultation with extension officers from their localities.

The dry conditions expected over central regions (Dodoma and Singida) will likely favor the ripening of crops such as maize and sunflower.

Generally, farmers are advised to make follow-ups on crops, and crop fields for management and control of the excessive water, and the outbreak of pests and diseases in consultation with the extension officers from their localities.

Livestock keepers are advised to grow fodders and harvest rainwater for future use.

Fishing communities are advised to strengthen the infrastructure of fish farming and take precautions by continuing to make follow-up on daily weather forecasts, especially for the Indian Ocean and the Great Lakes to make decisions on the right time to go fishing to avoid the effects of strong winds and heavy rains.

EXPECTED HYDROMETEOROLOGICAL CONDITIONS

DURING MAY 1-10, 2024

Water levels in dams and river flow discharges are expected to continue increasing due to the expected rainy conditions. The community is advised to continue harvesting rainwater for future use.