

DEKADAL WEATHER REVIEW

No.27: 2018/19 cropping season

Review for June 11-20, 2019 and Outlook for June 21 - 30, 2019

HIGHLIGHTS

- The expected dry condition is likely to favour crop harvesting, drying and storage.
- Most parts of the country experienced seasonal dry condition during June-11-20, 2019.

SYNOPTIC SUMMARY DURING JUNE 11-20, 2019

During this Dekad, the northern high pressure systems (Azores and Siberian) relaxed while the southern high pressure systems (St. Helena and Mascarene) continue to intensify. The position of the Inter Tropical Convergence Zone (ITCZ) was further north off the country but its meridional arm was extended up to the lake Victoria basin. Although there were generally intensification of the southern pressure systems, there were low pressure systems over Madagascar which resulted into high pressure gradient hence strong winds over most parts of the country. Over the south west Indian Ocean the sea surface temperatures (SSTs) were generally neutral resulted into no cyclonic activities. The dominant wind flow pattern was southerly to south easterly over most parts of the country. The southeast Atlantic Ocean (near Angola coast) SSTs was neutral to slight warm resulted into less westerly wind flow over the western parts of the country thereby reducing rainfall making mechanism over the western sector of the country.

RAINFALL PERFORMANCE DURING JUNE 11 - 20, 2019

During the dekad, the country was generally dry except for a few areas in Lake Viktoria basin and northeastern highlands specifically in Mara region and Ngorongoro district that received out of season rainfall. The amount of rainfall recorded ranged from 26 mm to 50 mm in a dekad as indicated in Figure 1.

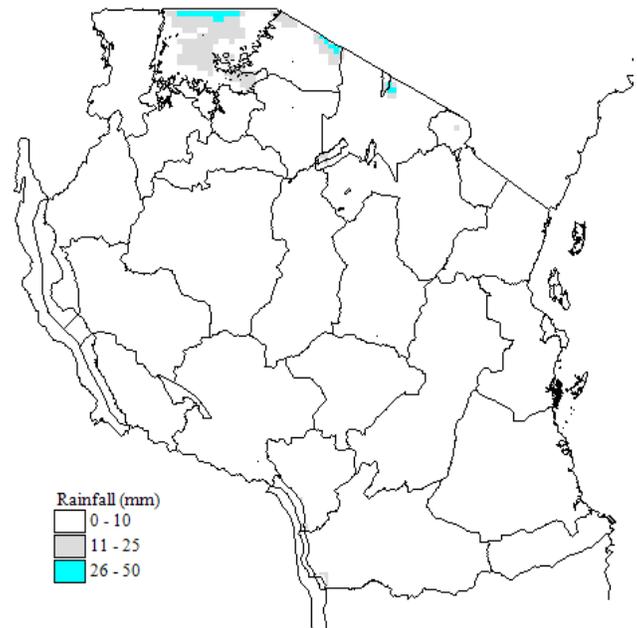


Figure 1: Total rainfall for the period of June 11 - 20, 2019.

AGROMETEROLOGICAL SUMMARY DURING JUNE 11 - 20, 2019

During the period under review, maize harvesting activities were completed in most parts of unimodal areas, farmers were mostly engaging with drying of crops particularly in Mtwara, Tabora and Kigoma regions. In Mbeya town maize crop was reported to be at full ripeness stage while Njombe, Iringa and Ruvuma farmers were progressing with maize harvesting. Beans crop was also reported to be in a good condition and at ripeness stage in Mbeya, while in Tabora and Kigoma paddy harvesting activities were carried out. In most parts of the bimodal areas Paddy and potatoes were being harvested especially in Shinyanga, Tabora, Mwanza, Rukwa, Tanga, Pwani

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and Manyara regions. Harvesting of maize crop was taking place in Simiyu, Shinyanga, Mara and Kagera regions. Farmers in Kigoma, Mwanza and Shinyanga regions were progressing with cotton harvesting. Most parts of the country in both unimodal and bimodal rainfall regimes experienced a decrease in soil moisture condition. Pasture and water availability for livestock and wildlife on the other hand were generally average over much of the country except in Dodoma and Tabora where periods of dry spells persisted for long days.

**HYDROMETEOROLOGICAL CONDITIONS
DURING JUNE 11-20, 2019**

Water levels in dams and river flow discharges were slightly decreasing over most areas of the country due to the ongoing dry season.

**EXPECTED SYNOPTIC CONDITIONS
DURING JUNE 21-30, 2019**

During the dekad, the northern high pressure systems are expected to further relax while the southern high pressure systems are expected to continue intensifying. This is expected to move the ITCZ further north off the county thereby influencing southerly to southeasterly low level winds moist at times over the coastal areas while the meridional arm is expected to continue influencing weather over some parts of the Lake Victoria basin. SSTs over the southwest Indian Ocean are expected to be neutral to cool which will further reduce the possibility of occurrence of tropical cyclones. The dominant wind flow pattern is expected to be relatively strong southerly to southeasterly which will enhance cooler temperatures over most parts of the country. The southeast Atlantic Ocean (near Angola coast) SSTs is expected to be neutral to slight warm which is expected to result into less westerly wind flow, hence suppress precipitation making mechanism over the western sector of the country.

**EXPECTED WEATHER CONDITIONS
DURING JUNE 11 - 30, 2019**

In view of the expected synoptic conditions the lake Victoria basin (Kagera, Geita, Shinyanga, Mwanza, Simiyu and Mara regions) are expected to feature thundershowers over few areas.

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Northern coast (Tanga, Northern part of Morogoro, Pwani and Dar es Salaam regions together with isles of Unguja and Pemba) are expected to feature Light rain over few areas.

Northeastern highlands (Arusha, Manyara and Kilimanjaro regions) , western regions (Kigoma, Katavi and Tabora regions) and southern coast (Mtwara and Lindi regions) are mainly expected to feature a dry conditions .

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

**EXPECTED AGROMETEOROLOGICAL
OUTLOOK AND ADVISORY DURING
JUNE 21 - 30, 2019**

The expected dry condition is likely to favour crops harvesting ,drying and storage. However the dry condition will lead to decline in water for livestock. Livestock keepers are advised to make good use of available water and pasture resources in consultation with extension officers.

**HYDROLOGICAL OUTLOOK AND
ADVISORY DURING JUNE 21 - 30, 2019**

Water levels in dams and river flow discharge are expected to continue decreasing over most parts of the country due to the ongoing dry season coupled with strong winds. Water users are advised to make good use of the available water.