



DEKADAL WEATHER REVIEW

No.26: 2018/19 cropping season

Review for June 1-10, 2019 and Outlook for June 11 - 20, 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-1-10, 2019.

SYNOPTIC SUMMARY DURING JUNE 1 -10, 2019

During this period, the northern hemisphere high pressure systems (Azores and Siberian) relaxed while the southern high pressure systems (St. Helena and Mascarene) intensified. This situation maintained the Inter Tropical Convergence Zone (ITCZ) to northern sector of the country especially over the Lake Victoria basin. Warm Sea Surface Temperatures (SSTs) over the southwest Indian Ocean were persisting that influenced low pressure cells and development of moist south easterly wind over the northern coast of Tanzania and more moisture to the extreme northern coast. Over the southeast Atlantic Ocean (near Angola coast), the SSTs were cool. This condition enhanced precipitation over some part in the western side of the country and Lake Victoria Basin.

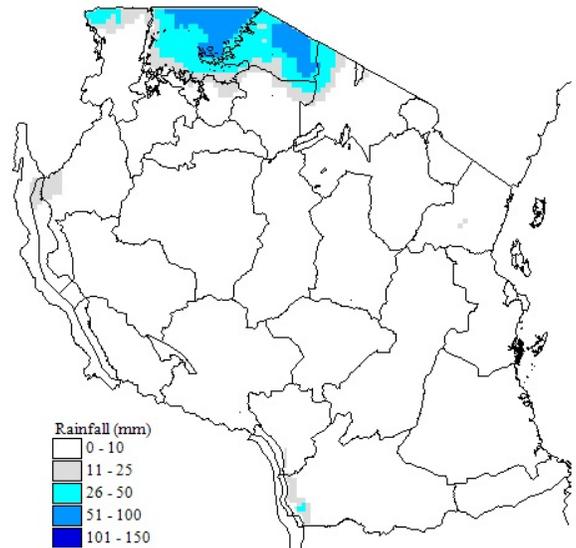


Figure 1: Total rainfall for the period of June 1 - 10, 2019.

RAINFALL PERFORMANCE DURING JUNE 1 - 10, 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 100 mm in a dekad as indicated in Figure 1.

AGROMETEROLOGICAL SUMMARY DURING JUNE 1 - 10, 2019

During this period, in some of the unimodal areas farmers were mostly engaged with harvesting of maize and beans, except in Mbeya region and Njombe where maize crop was at full ripeness stage. Wheat crop have been reported in good condition and at flowering stage in Mbeya. In most parts of the bimodal especially Kagera region harvesting activities of beans crop have commenced. On the other hand, harvesting of paddy is carried out in Tabora, Mwanza, Rukwa, Tanga, Pwani and Manyara regions. Farmers in Kigoma, Mwanza and Shinyanga regions were continuing with cotton harvesting. Most parts of the country in both unimodal and bimodal rainfall regimes experienced a decrease in soil moisture condition.

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Water availability and pastures were in good condition over much of the country except in Dodoma and Singida where dry condition has been dominated.

HYDROMETEOROLOGICAL CONDITIONS DURING JUNE 1-10, 2019

Water levels in dams and river flow discharges have slightly decreased due to cessation of seasonal rainfall.

EXPECTED SYNOPTIC CONDITIONS DURING JUNE 11-20, 2019

During this period, the northern hemisphere high pressure systems are expected to relax while the southern high pressure systems are expected to further intensify. This is expected to push the ITCZ northwards but within the country especially over the extreme Lake Victoria basin. Warm SSTs over the southwest Indian Ocean is expected to persist and likely to influence moist south easterly wind over the northern coast of Tanzania. Over the southeast Atlantic Ocean (near Angola coast), the SSTs have expected to be neutral. This condition is expected to have less influence on the precipitation making mechanism over the western part of the country and over the Lake Victoria Basin. Winds at 850hPa, are expected to be easterlies over the entire coast and hinterlands for the first week of the dekad and turning to westerlies. This situation is expected to deny rainfall over the coast.

EXPECTED WEATHER CONDITIONS DURING JUNE 11 - 20, 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.

Northeastern highlands (Arusha, Manyara and Kilimanjaro

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regions), western regions (Kigoma, Katavi and Tabora regions) and southern coast (Mtwara and Lindi regions) are expected to feature mainly dry conditions.

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.

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 11 - 20, 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 11 - 20, 2019

Water levels in dams and river flow discharges are expected remain moderate over bimodal areas but slightly decrease unimodal areas. Water users are however advised to use available water carefully.

Prepared by

TANZANIA METEOROLOGICAL AGENCY
3rd Floor - Ubungo Plaza - Morogoro Road.

P.O. Box 3056 Tel. 255 - (0) 22 - 2460706-8; Fax: 255 - (0) 22 - 2460718 E-mail: (1) met@meteo.go.tz (2) agromet@meteo.go.tz; website: www.met@meteo.go.tz