



DEKADAL WEATHER REVIEW

No.22: 2018/19 cropping season

Review for April 21-30 and Outlook for May 1 - 10, 2019

HIGHLIGHTS

- Soil moisture is expected to continue improving in some parts around Lake Victoria Basin, southern coast, southwestern highlands, northeastern highlands, northern coast together with isles of Unguja and Pemba, southern regions and western regions as a result of ongoing and expected rainfall.
- Farmers, Livestock keepers and fisheries are advised to consult extension officers for effective use of the forecasted rainfall.

SYNOPTIC SUMMARY DURING APRIL 21 - 30, 2019

During this period, the northern hemisphere high-pressure systems (Azores and Siberian) were relaxing while the southern high-pressure systems (St. Helena and Mascarene) were intensifying. Therefore, the Intertropical convergence zone (ITCZ) was in northward but remain within the country especial over Lake Victoria basin as well as North Eastern highland. Warm sea surface temperatures (SSTs) over the southwest Indian Ocean persisted hence influenced development of tropical cyclone, *Kenneth*. SSTs over the southeast Atlantic Ocean (near Angola coast), were slightly cool condition hence influence the precipitation making mechanism over the Lake Victoria basin and the western sector of the county.

RAINFALL PERFORMANCE DURING APRIL 21 - 30, 2019

During the dekad, the weather systems enhanced precipitation over some areas of Lake victoria basin and Northeastern highland, western parts, central region as well as southern coast of the country. The amount of rainfall recorded over these areas ranged from 26 mm to 150 mm. other parts of the country specifically Northern coast, Southern, and some areas around South western highlands were relatively dry with rainfall amount less 25mm as shown in figure 1

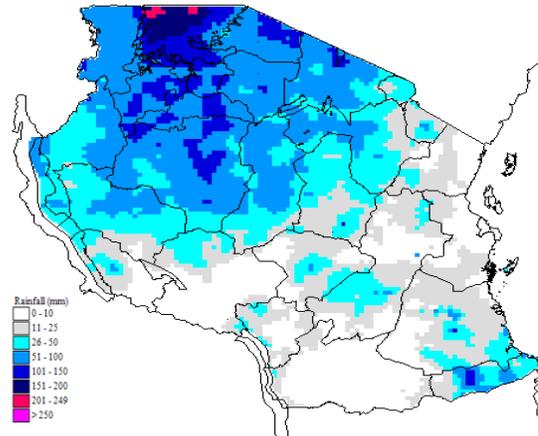


Figure: Total rainfall for the period of April 21 - 30, 2019.

AGROMETEROLOGICAL SUMMARY DURING APRIL 21 - 30, 2019

Some parts of unimodal regime specifically regions of Mbeya, Iringa, Rukwa, and Ruvuma maize crop was at full ripeness stage. However, poor rainfall performance in most parts of central areas and south of Manyara regions has affected field crops. In some of bimodal areas specifically northern coast, continued with a prolonged dry spells while northeastern highland and Lake Victoria basin have received rainfall during this dekad. However the received rainfall has no impact on planting activities of the seasonal crops. In some areas of Tanga, Morogoro and Pwani, maize crop is at third leaf stage while in some parts of Shinyanga and Mwanza farmers are continuing with harvesting of Maize crop which were planted during the 2018 ‘*Vuli*’ rains. Moreover, Kagera region has continued to receive ‘*Masika*’ rains where maize and beans crops are in good condition.

**HYDROMETEOROLOGICAL CONDITIONS
DURING APRIL 21-30, 2019**

Water levels in dams and river flow discharges has increased slightly due to ongoing seasonal rains.

**EXPECTED SYNOPTIC CONDITIONS
DURING MAY 01-10, 2019**

During this period, the northern hemisphere high-pressure systems (Azores and Siberian) are expected to relax while the southern high-pressure systems (St. Helena and Mascarene) are expected to further intensify. This is expected to move the ITCZ slightly northward but within the country especial over the Lake Victoria basin. SSTs over the southwest Indian Ocean are expected to persist hence influence development of low pressure systems. Over the southeast Atlantic Ocean (near Angola coast), the sea surface temperatures are expected to be neutral to cool. This condition is expected to enhance precipitation over the Lake Victoria Basin and western sector country.

**EXPECTED WEATHER CONDITION DURING
MAY 01 - 10, 2019**

In view of the expected synoptic conditions Lake Victoria Basin (Kagera, Geita, Shinyanga, Mwanza, Simiyu and Mara region) and Western regions (Kigoma, Katavi and Tabora regions) are expected to feature Thundershowers over some areas.

Northeastern highlands (Arusha, Manyara and Kilimanjaro regions) are expected to feature Thundershowers over few areas especially first half of the dekad.

Northern coast (Tanga, Northern part of Morogoro, Pwani and Dar es Salaam Regions together with isles of Unguja and Pemba) and Southern Coast (Mtwara and Lindi regions) are expected to feature Thundershowers over most areas especially

Central areas (Dodoma and Singida regions) are expected to feature mainly a dry condition with a chance of light rain over few areas.

Southwestern highlands (Rukwa, Songwe, Mbeya, Njombe and Iringa regions) are expected to feature Showers over few areas, especially first half of dekad.

Southern region (Ruvuma and Southern part of Morogoro regions) are expected to feature Showers over few areas.

**EXPECTED AGROMETEOROLOGICAL OUTLOOK
AND ADVISORY DURING MAY 01-10, 2019**

The expected rainfall over some areas in the southwestern highlands, southern coast, Victoria basin, northeastern highlands, northern coast, southern regions, and western regions will improve soil moisture conditions for crops development. The forecasted dry condition over central zone (Dodoma and Singida) will lead to soil moisture reduction. The ongoing rainfall activities around the country are not expected to last longer due to cessation of the rainfall season in both unimodal and bimodal regime .Farmers and livestock keepers in their respectively areas are advised to consult agriculture extension officers for proper utilization of the predicted rain during this

**HYDROLOGICAL OUTLOOK AND ADVISORY
DURING MAY 01 - 10, 2019**

Water levels in dams and river flow discharges are expected to increase both for unimodal and bimodal areas as the Msimu and Masika rains continues over those regions. Water users are advised to use available water carefully despite of the expected rainfall over some areas.

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