



## DEKADAL WEATHER REVIEW

No.25: 2018/19 cropping season

Review for May 21-31, 2019 and Outlook for June 1 - 10, 2019

### HIGHLIGHTS

- Crops in both unimodal and bimodal regions were in a good condition.
- The expected dry periods are likely to favour crops that are at maturity to harvesting stages.
- Farmers, livestock keepers and fishers are advised to consult extension officers for effective use of this forecast.

### SYNOPTIC SUMMARY DURING MAY 21 -31, 2019

**D**uring this period, the northern high pressure systems (Azores and Siberian) relaxed while the southern high pressure systems (St. Helena and Mascarene) intensified. This moved the Inter-Tropical Convergence Zone (ITCZ) to the northern parts of the country especially over the Lake Victoria basin. Persistent warm Sea Surface Temperatures (SSTs) over the southwest Indian Ocean influenced development of moist south easterly wind over the coast especially over northern coast of Tanzania. Over the southeast Atlantic Ocean (near Angola coast), the SSTs were slightly cool. This condition enhanced precipitation making mechanism over the Lake Victoria Basin.

### RAINFALL PERFORMANCE DURING MAY 21 - 31, 2019

**D**uring the dekad, the weather systems enhanced significant precipitation over Lake viktorias basin and parts of northern coast, and the remaining parts of the country remains relatively dry. The amount of rainfall recorded over Lake viktorias basin and northern coast ranged from 26 mm to 100 mm. Other parts of the country specifically southern coast, northerneastern highlands, central region, western regions, southwestern highlands and, southern region remain relatively dry with total rainfall less than 10 mm in a dekad as shown in Figure 1.

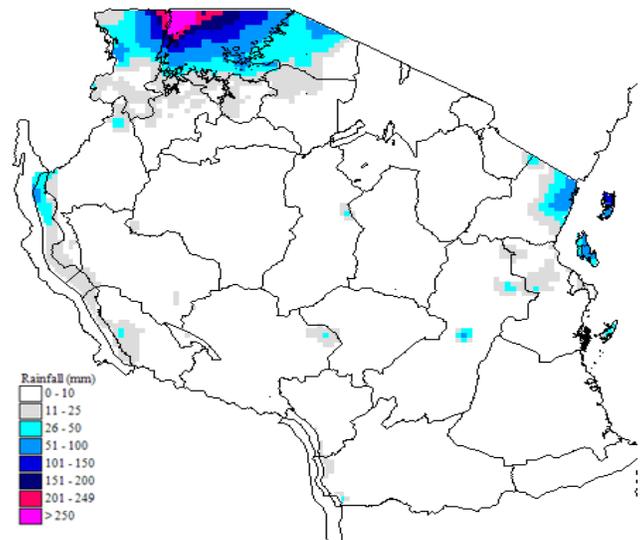


Figure 1: Total rainfall for the period of May 21 - 31, 2019.

### AGROMETEROLOGICAL SUMMARY DURING MAY 21 - 31, 2019

**D**uring the period under review, in some of the unimodal areas farmers were mostly engaged with maize harvesting, except in Njombe, Iringa, and Mbeya where maize crop is at full ripeness stage. Beans crop have been reported to be in good condition and at ripeness stage in Mbeya, while wheat is between tillering and ripeness stages over Iringa, Njombe and Mbeya regions. In most parts of the bimodal specifically Kagera region harvesting activities of beans crop have commenced. On the other hand, harvesting of Paddy is carried out in Tabora, Mwanza, Rukwa, Tanga and Manyara regions. Farmers in Kigoma, Mwanza and Shinyanga regions are continuing with cotton harvesting. Water and pastures were in good

**No.24: 2018/19 cropping season**

condition over much of the country except in Dodoma where there is a slight decrease.

**HYDROMETEOROLOGICAL CONDITIONS  
DURING MAY 21-31, 2019**

**W**ater levels in dams and river flow discharges have increased slightly due to ongoing seasonal rains.

**EXPECTED SYNOPTIC CONDITIONS  
DURING JUNE 1-10, 2019**

**D**uring 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 move the ITCZ northwards but within the country especially over the Lake Victoria basin. Warm SSTs over the southwest Indian Ocean is expected to persist, this condition is expected to influence low pressure cells and development of moist south easterly wind over the northern coast of Tanzania, which is expected to bring more moisture towards the extreme northern coast and hence influence some heavy activities especial Pemba and Unguja Isles. Over the southeast Atlantic Ocean (near Angola coast), the SSTs are expected to be cool. This condition is expected to enhance precipitation over some part of west and Lake Victoria Basin.

**EXPECTED WEATHER CONDITIONS  
DURING JUNE 1 - 11, 2019**

**I**n view of the expected synoptic conditions, the Lake Victoria Basin (Kagera, Geita, Shinyanga, Mwanza, Simiyu and Mara regions) are expected to feature thundery showers over some areas especially for first half of the dekad.

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

Northern coast (Tanga, northern part of Morogoro, Pwani and Dar es Salaam regions together with isles of Unguja

**Review for May 21 -31 and Outlook for June 1 - 10, 2019** and Pemba) are expected to feature rain over few areas, increasing last two days of dekad especially over Unguja and Pemba Isles.

Western regions (Kigoma, Katavi and Tabora regions), Kigoma is expected to feature thundery showers over few areas while over Katavi and Tabora regions mainly dry conditions.

Central areas (Dodoma and Singida regions), southwestern highlands (Rukwa, Songwe, Mbeya, Njombe and Iringa regions), southern region (Ruvuma and southern part of Morogoro regions) and southern coast (Mtwara and Lindi regions) are mainly expected to feature dry conditions.

**EXPECTED AGROMETEOROLOGICAL  
OUTLOOK AND ADVISORY DURING  
JUNE 1 - 10, 2019**

**T**he expected rainfall over most parts of bimodal rainfall regime (northern coast, northeastern highlands, Lake Viktoria basin and Kigoma region) will improve soil moisture. However, this expected increase in soil moisture is likely to favour late grown crops as season comes to end. The forecasted dry condition over central zone (Dodoma and Singida regions), western regions (Katavi and Tabora), southwestern highlands, southern region and southern coast will be favourable to a crop at maturity and harvesting stages. The ongoing rainfall activities around the country are not expected to last longer. Farmers and livestock keepers in their respective areas are advised to consult agriculture extension officers for proper utilization of the forecasted weather during this dekad.

**HYDROLOGICAL OUTLOOK AND  
ADVISORY DURING JUNE 1 - 10, 2019**

**W**ater levels in dams and river flow discharges are not expected to continue increasing for both unimodal and bimodal areas as the *Msimu* and *Masika* rains started to cease . Water users are however advised to use available water carefully and wherever possible carry out water harvesting for future use.

Prepared by

**TANZANIA METEOROLOGICAL AGENCY**  
3<sup>rd</sup> 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