



## DEKADAL WEATHER REVIEW

No.32: 2018/19 cropping season

Review for August 1-10, 2019 and Outlook for August 11 - 20, 2019

### HIGHLIGHTS

- The expected out off seasonal rains are likely to affect poorly stored crops.
- Dry conditions coupled with strong winds specifically over the coast region will lead to slightly decline in water for livestock.
- Pastoralists are advised to make good use of the available water resources in consultation with extension officers.

### SYNOPTIC SUMMARY DURING AUGUST 1 -10, 2019

**D**uring this dekad the southern high pressure systems (St. Helena and Mascarene) were intensified to enhance a strong East African ridge while the northern hemisphere high pressure systems (Azores and Siberian) continued relaxing. This situation caused the position of Inter Tropical Convergence Zone (ITCZ) to be over the extreme north of the country. The Sea Surface Temperature (SST) over south western Indian Ocean was slightly warm. The persistent warmer SSTs caused warmer temperature above normal during night time especially over the eastern parts of the country. SSTs over Somalian coast were slightly cool while over Angola coast slight warm .The orientation of East African ridge overland caused the dominant wind flow pattern to be southeasterly and lead to rise of temperatures during the night over most parts of the country.

### RAINFALL PERFORMANCE DURING AUGUST 1 - 10, 2019

**D**uring the dekad,the country was generally dry except for a few areas in Lake Victoria basin specifically in Mara region and northern coast specifically Tanga region that received out off season rainfall. The amount of rainfall recorded around Mara region ranged from 26 mm to 50 mm while that of Tanga region ranged between 201mm to 249 mm in a dekad as indicated in Figure 1.

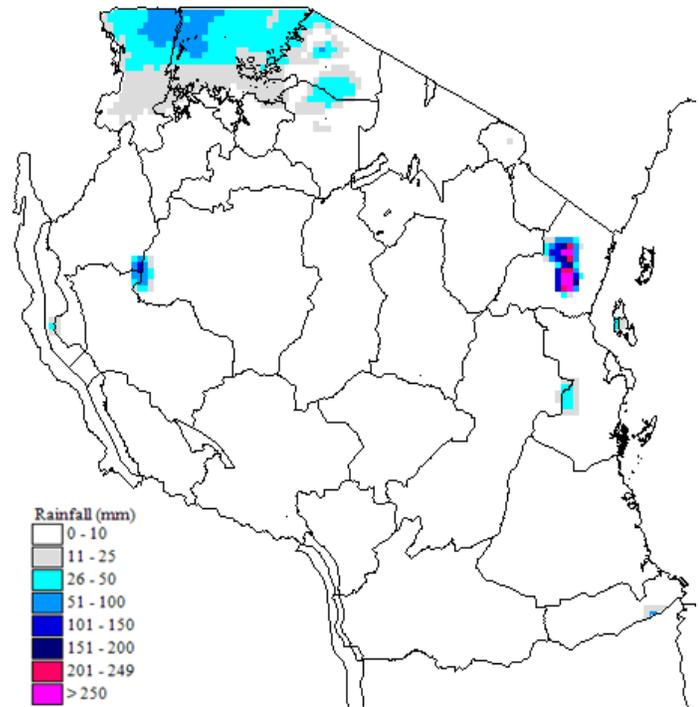


Figure 1: Total rainfall for the period of August 1 - 10, 2019.

### AGROMETEROLOGICAL SUMMARY DURING AUGUST 1 - 10, 2019

**I**n most parts of the country farmers were finalizing maize harvesting for March to May 2019 rainfall season. Farmers were mostly engaged with crop drying, storage and preparations of farms for the coming “vuli” seasonal rains. Water and pasture availability for livestock

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were slightly decreasing over much of the country due to prevailed dry and windy condition.

**HYDROMETEOROLOGICAL CONDITIONS  
DURING AUGUST 1-10 2019**

**W**ater levels in dams and river flow discharges continued slightly decreasing over most parts of the country due to ongoing dry and windy conditions.

**EXPECTED SYNOPTIC CONDITIONS  
DURING AUGUST 11-20, 2019**

**D**uring this dekad the southern high pressure systems are expected to continue intensifying while the northern high pressure systems are expected to continue relaxing. This will enhance episodes of strong winds to persist over the coastal belts. The position of ITCZ is expected to remain further north of our country. Slight warm SSTs over the south western Indian Ocean is expected to influence periods of light rains over coastal areas. SSTs over Angola and Somali coast are expected to be slightly warmer. The presence of East African ridge is still expected to cause short episodes of strong southerly to southeasterly winds over coastal belt.

**EXPECTED WEATHER CONDITIONS  
DURING AUGUST 11 - 20, 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 isolated thundershowers over few areas.

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

Northern coast (Tanga, northern part of Morogoro, Pwani

**Review for August 1-10 and Outlook for August 11 - 20, 2019** and Dar es Salaam regions together with isles of Unguja and Pemba) are expected to feature light rain showers over few areas.

Western regions (Kigoma, Katavi and Tabora regions), central areas (Dodoma and Singida regions), south western highlands (Rukwa, Songwe, Mbeya, Njombe and Iringa regions) and southern region (Ruvuma and Southern part of Morogoro) are expected to feature partly cloudy conditions.

**EXPECTED AGROMETEOROLOGICAL  
OUTLOOK AND ADVISORY DURING  
AUGUST 11 - 20, 2019**

**T**he expected out of seasonal rains are likely to affect poorly stored crops. Dry conditions coupled with strong winds along the coast belt will lead to further decline in water for livestock. Pastoralists are advised to make good use of the available water resources in consultation with extension officers.

**HYDROLOGICAL OUTLOOK AND  
ADVISORY DURING AUGUST 11 - 20, 2019**

**W**ater levels in dams and river flow discharge are expected to continue slightly decreasing over most part of the country due to the expected dry conditions. Water users are advised to make good use of the available water resources.

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