

HIGHLIGHTS

- Farmers in most parts of unimodal regions are mainly engaged with weeding and fertilizer application
- Farmers in the bimodal areas are mostly engaged with land preparation and planting for the Masika season
- Farmers, Fishers and livestock keepers are advised to consult extension officers for optimal use of the forecast and advisory

SYNOPTIC SUMMARY DURING MARCH 1-10, 2019

The northern high pressure systems (Azores and Siberian) were intensifying while the southern high pressure systems (St. Helena and Mascarene) were relaxing. This allowed the Inter Tropical Convergence Zone (ITCZ) to continue being over the southern part of our country. Warm Sea Surface Temperatures (SSTs) over the south west Indian Ocean were persisting that triggered the formation of tropical cyclones and caused enhanced precipitation over the country. Over southeast Atlantic Ocean (near Angola coast), SSTs were neutral, which caused short track low level westerly wind flow associated with moisture influx from Congo hence contributed to rainfall activities over the western parts of the country.

RAINFALL PERFORMANCE DURING MARCH 1-10, 2019

During the ten day (dekad) period, most area of the country received more than 25mm of rainfall. The highest amount of rainfall above 100 mm was observed in Morogoro, Mtwara, Ruvuma and Njombe Regions. However, few areas around the Northeastern highlands and northern part of Tanga region received rainfall of less than 11mm as shown in Figure 1.

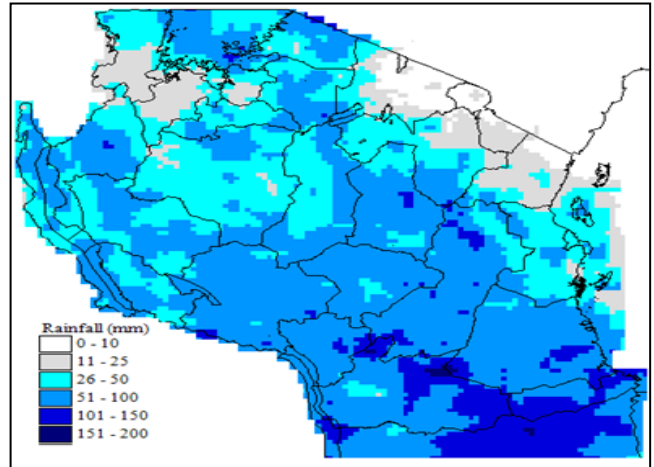


Figure 1. Total rainfall for the period of March 1 - 10, 2019.

AGROMETEOROLOGICAL SUMMARY DURING MARCH 1 -10, 2019

During the dekad, in most of the unimodal areas maize crop was at tasseling stage. Farmers over these areas were mostly engaged with weeding and fertilizer application. On the other hand farmers over the bimodal areas continued with land preparation and planting activities in most areas. However, harvesting of late grown Vuli maize crop was reported in Simiyu and Mwanza region. Water and pasture availability for livestock have improved in most parts of the country.

**HYDROMETEOROLOGICAL
CONDITIONS DURING MARCH 1-10, 2019**

Water levels in dams and river flow discharges are improving slightly due to ongoing seasonal rains.

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

The Azores and Siberian highs are expected to slightly relax while the St. Helena and Mascarene highs are expected to slightly intensify. This is expected to allow the ITCZ to move slightly northwards over the southern part of our country. Warm SSTs over the south west Indian Ocean are expected to persist. This condition is likely to trigger the formation of tropical cyclones which may cause enhancement of precipitation over the country. Over southeast Atlantic Ocean (near Angola coast), SSTs are expected to be neutral, this condition is likely to cause no significant impact to the weather over the western parts of the country.

**EXPECTED WEATHER CONDITIONS DURING
MARCH 11- 20, 2019**

In view of the expected synoptic conditions Lake Victoria Basin (Kagera, Geita, Shinyanga, Mwanza, Simiyu and Mara 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) is expected to feature thundershowers over some areas.

Northern coast (Tanga, northern part of Morogoro, Pwani and Dar es Salaam regions together with isles of Unguja and Pemba) is expected to feature rain showers over some areas.

Northeastern highlands (Arusha, Manyara and Kilimanjaro regions) is expected to feature rain Showers over few areas.

Western regions (Kigoma, Katavi and Tabora regions) and central areas (Dodoma and Singida regions) is expected to feature

Review for March 1-10 and Outlook for March 11 - 20, 2019
thundershowers over few areas.

**AGROMETEOROLOGICAL OUTLOOK AND
ADVISORY DURING MARCH 11-20, 2019**

The expected rains will improve soil moisture conditions over most of unimodal and bimodal areas for crops development and planting activities respectively. The Masika rainfall seasonal has started since the fourth week of February 2019. Farmers and livestock keepers over the bimodal and unimodal areas are advised to consult agriculture extension officer for proper utilization of Masika and Msimu rains.

**HYDROLOGICAL OUTLOOK AND ADVISORY
DURING MARCH 11-20, 2019.**

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

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

Dar es Salaam UNITED REPUBLIC OF TANZANIA