

DEKADAL WEATHER REVIEW

No: 35: 2017/18 cropping season

Review for September 11-20 and Outlook for September 21-30, 2018

HIGHLIGHTS

- Farmers in bimodal areas are continuing with land preparation, except in Kagera region where planting of maize and bean crops were carried out.
- The expected dry conditions over the unimodal areas will lead to further declining in water and pastures for livestock. Livestock keepers are advised to make good use of the available water and pastures.

SYNOPTIC SUMMARY DURING SEPTEMBER 11-20, 2018

AGROMETEOROLOGICAL SUMMARY DURING SEPTEMBER 11-20, 2018

The northern high pressure systems (Azores and Siberian) continued to intensify while the southern high-pressure systems (St. Helena and Mascarene) relaxed. The zonal arm of the ITCZ were still further north off the country, while the meridional arm was extended further south thereby influenced some weather over the Lake Victoria basin. The onshore south easterly flow continued over the coastal areas. Over the south west Indian Ocean, Sea Surface Temperatures (SSTs) were neutral, hence reducing the possibility of cyclonic activities. The southeast Atlantic Ocean (near Angola coast) SSTs were also neutral to slight warm which resulted into less westerly wind, hence suppress activities over the western sector of the country.

Farmers in bimodal areas were continuing with land preparation for the coming *vuli* season, except in Kagera region where planting of maize and beans crops activities are carried out. Over the unimodal areas, farmers are continuing with planning for the coming msimu rainy season which starts normally between November and December. Water and pasture availability for livestock have been decreased slightly over much of Mwanza, Mara, Simiyu, Shinyanga, Singida, Arusha, Manyara and Dodoma regions. Other areas had moderate water and pasture condition.

RAINFALL PERFORMANCE DURING SEPTEMBER 11-20, 2018

HYDROLOGICAL CONDITIONS DURING SEPTEMBER 11-20, 2018

During the ten-day (dekad) period, the country was generally dry except a few areas in northern coast and Lake Victoria basin areas that recorded out of season rainfall less than 50mm.

Water levels in dams and river flow discharges continued to decrease across the country due to current dry conditions.

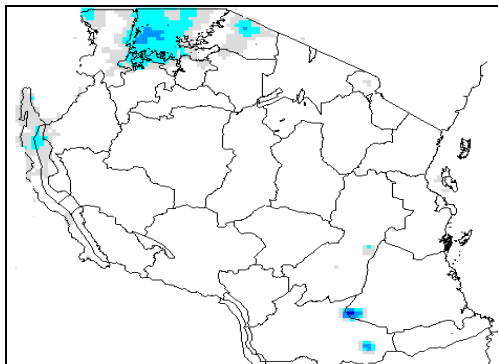


Figure1. Total Rainfall for 11 - 20 September, 2018.

EXPECTED SYNOPTIC CONDITIONS DURING SEPTEMBER 21-30, 2018

The Azores and Siberian highs are expected to continue intensifying while the St. Helena and Mascarene highs are expected to relax. Although the zonal arm of the ITCZ will still be further north off the country, the meridional arm will extend further south thereby influencing some weather over the lake Victoria basin. Also the onshore south easterly flow is expected to continue over the coastal areas. Over the south west Indian Ocean, SSTs is expected to continue being neutral to slight warm resulting into moist south easterly. Possibility of tropical cyclonic activities is very low. The southeast Atlantic Ocean (near Angola coast) SSTs is expected to be neutral to slight cool which is expected to enhance activities over the western sector of the country.

EXPECTED WEATHER CONDITIONS DURING SEPTEMBER 21-30, 2018

In view of the expected synoptic conditions, Lake Victoria Basin (Kagera, Geita, Shinyanga, Mwanza, Simiyu and Mara regions) are expected to have showers and thunder storms over few areas.

Northern coast (Tanga, northern part of Morogoro, Pwani and Dar es Salaam regions together with isles of Unguja and Pemba) are expected to have showers over few areas.

Northeastern highlands (Arusha, Manyara and Kilimanjaro regions), western regions (Kigoma, Katavi and Tabora regions) and southwestern highlands (Rukwa, Songwe, Mbeya, Njombe and Iringa regions) are expected to have mainly partly cloudy conditions.

Central areas (Dodoma and Singida regions) and southern region (Ruvuma and southern part of Morogoro regions) are expected to have partly cloudy conditions.

AGROMETEOROLOGICAL OUTLOOK AND ADVISORY DURING SEPTEMBER 21-30, 2018

The off seasonal rains are not enough for planting seasonal crops and may affect cereal crops that are not stored properly. However farmers over Kagera region are advised to make use of *vuli* rains for planting. The expected dry conditions over the unimodal areas may lead to further reduction of water for livestock and human use in water scarce areas. Therefore Livestock keepers are advised to use the available water and pasture resources cautiously in consultation with extension officers. For the bimodal rainfall regimes areas, farmers are advised to continue with land preparations for coming *vuli* season. Farmers, fishers and livestock keepers are advised to consult extension officers for optimal use of this forecast and advisory.

HYDROLOGICAL OUTLOOK AND ADVISORY DURING SEPTEMBER 21-30, 2018

Water levels in dams and river flow discharges are expected to continue declining especially in unimodal areas due to ongoing dry conditions. The increasing is expected in bimodal areas due to *vuli* rainfall season kickoff. Water users are 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

Dar es Salaam UNITED REPUBLIC OF TANZANIA