



DEKADAL WEATHER REVIEW

HIGHLIGHTS

- Seasonal dry conditions continued to prevail across the country during July 11-20, 2016.
- The observed conditions were favourable for *out of season* activities including crops harvesting and drying.
- The expected few rains over the bimodal areas and some of the unimodal areas (south-western highlands, southern coast and southern region) during July 21-30, 2016 may affect mature crops sensitive to moisture which are still in the field; farmers are advised to take precautionary measures to avoid crops damage.

No: 31 2015/16 Cropping Season

Review for July 11-20, 2016 and Outlook for July 21-31, 2016

SYNOPTIC SUMMARY DURING JULY 11-20, 2016

High pressure systems in the southern hemisphere (St. Helena and Mascarene) remained stronger relative to their counterparts to the north (Azores and Siberian) which remained weaker, causing the Inter-tropical Convergence Zone (ITCZ) to slowly continue moving extreme northwards. Warm Sea Surface Temperatures (SSTs) were observed to maintain over the South-Eastern Atlantic Ocean whereas neutral to cool SSTs were observed over both North-West and South-Western Indian Ocean.

RAINFALL PERFORMANCE DURING JULY 11-20, 2016

Seasonal dry conditions continued to prevail across the country during the period whereby most places of the country experienced dry conditions as shown in Figure 1 (satellite rainfall estimates from GeoWRSI model merged with gauge data from Tanzania rainfall stations network showing total rainfall distribution during the period).

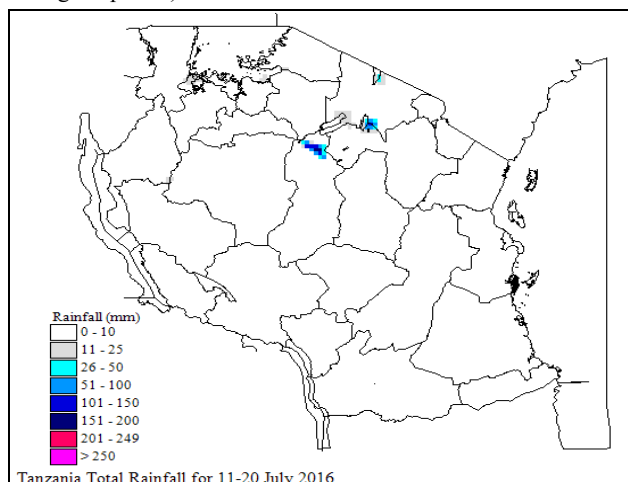


Figure 1: Rainfall performance (total rainfall) during July 11-20, 2016

TEMPERATURE CONDITIONS DURING JULY 11-20, 2016

Cold temperature conditions continued to prevail in most places of the country especially highland and semi-arid places. Colder temperatures were experienced during the nights.

AGROMETEOROLOGICAL SUMMARY DURING JULY 11-20, 2016

Dry conditions experienced during the period were favourable for out of season activities including crops harvesting and drying, which were the main activities in most places of the country.

HYDROLOGICAL CONDITIONS DURING JULY 11-20, 2016

Water levels in dams and river flow discharges were low due to the prevailing seasonal dry conditions.

EXPECTED SYNOPTIC CONDITIONS DURING JULY 21-31, 2016

During the period, the southern high-pressure systems (St. Helena and Mascarene) are expected to remain intense but spreading over the large area of the extreme south-west Indian ocean, while their counterparts to the north (Azores and Siberian) are expected to remain relaxed, holding the ITCZ at the same position in the northern hemisphere. Neutral to cool SSTs are expected over South-West Indian Ocean (closer to Somali coast), neutral to warm SSTs are expected over North-West Indian Ocean while warm SSTs are expected over Central Indian Ocean. These climatic and synoptic system set-up are expected to cause relaxed southerly winds changing orientation to south-easterlies.

**EXPECTED WEATHER DURING
JULY 21-31, 2016**

Lake Victoria Basin (Kagera, Mwanza, Mara, Geita, Simiyu and Shinyanga regions): mainly mainly dry conditions with few isolated rain showers and thunderstorms are expected. Northeastern highlands (Kilimanjaro, Arusha and Manyara regions): mainly dry conditions with few isolated rain showers are expected. Northern coast (Dar es Salaam, Morogoro and Tanga regions, the isles of Unguja and Pemba): mainly dry and cool conditions with few isolated light rain are expected especially during second half of the period. Western regions (Kigoma, Katavi and Tabora regions): mainly dry and cold conditions are expected. Central areas (Dodoma and Singida regions): mainly dry and cold conditions are expected. South-western highlands (Rukwa, Iringa, Songwe and Mbeya regions): mainly dry and cold conditions with few rain showers over high grounds are expected. Southern Coast (Mtwara and Lindi regions): mainly dry and cool conditions with few isolated light rain are expected especially during second half of the period. Southern region (Njombe and Ruvuma region): mainly dry and cold conditions with few rain showers over high grounds are expected.

**AGROMETEOROLOGICAL OUTLOOK AND
ADVISORY DURING JULY 21-31, 2016**

The expected few rains over the bimodal areas and some of the unimodal areas (south-western highlands, southern coast and southern region) may affect mature crops sensitive to moisture which are still in the field; farmers are advised to take precautionary measures to avoid crops damage.

**HYDROLOGICAL OUTLOOK DURING JULY
21-31, 2016**

Water levels are expected to continue declining in most places of the country due to persistent dry conditions coupled with strong winds.

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