

DEKADAL WEATHER REVIEW

HIGHLIGHTS

- Seasonal dry conditions continued to prevail over most places of the country during August 21-31, 2016.
- The observed conditions were favourable for *out of season* activities, mainly drying of crops.
- Farmers are advised to take precautionary measures to avoid damage of crops sensitive to moisture that may be caused by the expected isolated rains during September 1-10, 2016.

No: 35 2015/16 Cropping Season

Review for August 21-31, 2016 and Outlook for September 1-10, 2016

SYNOPTIC SUMMARY DURING AUGUST 21-31, 2016

Southern hemisphere high-pressure systems (St. Helena and Mascarene) slightly relaxed while their counterparts to the north (Azores and Siberian) remained relaxed and caused the Inter-Tropical Convergence Zone (ITCZ) to remain stationery in its current position in the northern hemisphere. The warm Sea Surface Temperatures (SSTs) over the South-Eastern Atlantic Ocean (SEAO) closer to Angola coast were maintained while neutral to cool SSTs were observed over the South-Western Indian Ocean (SWIO). On the other hand cooling of SSTs in the North-West Indian Ocean (NWIO) (closer to Somali coast) continued.

TEMPERATURE CONDITIONS DURING AUGUST 21-31, 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 AUGUST 21-31, 2016

Dry conditions experienced during the period were favourable for out of season activities mainly drying of crops. No adverse weather conditions were reported during the period.

RAINFALL PERFORMANCE DURING AUGUST 21-31, 2016

In view of the observed synoptic situation, seasonal dry conditions continued to prevail in the country during the period whereby dry conditions were observed in most places 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).

HYDROLOGICAL CONDITIONS DURING AUGUST 21-31, 2016

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

EXPECTED SYNOPTIC CONDITIONS DURING SEPTEMBER 1-10, 2016

Southern high-pressure systems are expected to intensify, while their counterparts to the north are expected to remain relaxed, thus allowing the ITCZ to continue holding its current position in the northern hemisphere. Neutral to warm SSTs over the South-East Atlantic Ocean closer to Angola coast are expected to persist. Neutral to cool SSTs over the South-West Indian Ocean and warm SSTs over the Central Indian Ocean are expected. Cool SSTs in the North-West Indian Ocean (closer to Somali coast) are expected. These climatic and synoptic system set-up are expected to cause occasional strong southerly winds, dry and cool conditions over most parts of the country.

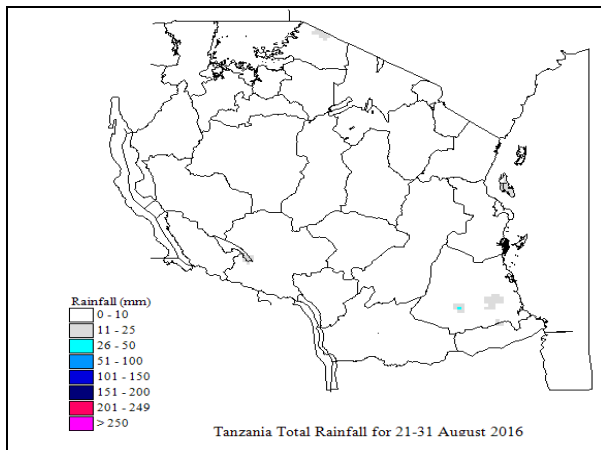


Figure 1: Rainfall performance (total rainfall) during August 21-31, 2016

EXPECTED WEATHER DURING SEPTEMBER 1-10, 2016

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

AGROMETEOROLOGICAL OUTLOOK AND ADVISORY DURING SEPTEMBER 1-10, 2016

The expected isolated rains may affect crops sensitive to moisture. Farmers are advised to take precautionary measures to avoid crops damage.

HYDROLOGICAL OUTLOOK DURING JULY SEPTEMBER 1-10, 2016

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

Prepared by

TANZANIA METEOROLOGICAL AGENCY

3rd, 4th & 10th Floors - 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) agromet1_tz@meteo.go.tz

Dar es Salaam UNITED REPUBLIC OF TANZANIA