

## DEKADAL WEATHER REVIEW

### HIGHLIGHTS

- Seasonal rains (*vuli*) continued to feature over Lake Victoria basin regions during October 1-10, 2016 with above normal rainfall performance (green legend); above normal *off-season* rains were also experienced in some of the unimodal areas (Kigoma, Tabora and Rukwa region).
- The observed rainfall during the period over Lake Victoria basin was useful for the ongoing planting and land preparation activities.
- With the available soil moisture, farmers over Lake Victoria basin are advised to plant but they should get consultation from agricultural extension officers in their localities.

No: 2 2016/17 Cropping Season

Review for October 1-10, 2016 and Outlook for October 11-20, 2016

### SYNOPTIC SUMMARY DURING OCTOBER 1-10, 2016

High pressure systems in the southern hemisphere (St. Helena and Mascarene high-pressure systems) relaxed while their counterparts to the north (Azores and Siberian) continued to intensify. The observed situation caused the Inter-Tropical Convergence Zone (ITCZ) to continue moving south-wards. However, Sea Surface Temperatures (SSTs) conditions were maintained whereby warm SSTs were observed over Indonesia and the South-Eastern Atlantic Ocean (SEAO) closer to Angola coast, neutral to cool SSTs were observed over the South-Western Indian Ocean (SWIO) and cooling of SSTs in the North-West Indian Ocean (NWIO) (closer to Somali coast) continued.

### RAINFALL PERFORMANCE DURING OCTOBER 1-10, 2016

In view of the observed synoptic situation, areas around Lake Victoria basin continued to receive *vuli* rains while the rest of the bimodal areas continued to experience dry conditions. *Off-seasonal* rains were also observed over some of the unimodal areas including Tabora, Rukwa and Kigoma regions as depicted in Figure 1 (rainfall estimates showing total rainfall distribution during the period). Much of the unimodal area however, continued to experience seasonal dry conditions. Figure 2 also shows rainfall performance as percentage of long term average which was above normal over regions around Lake Victoria basin as well as Tabora and Kigoma. Above normal rainfall performance in Figure 2 is indicated by green legend.

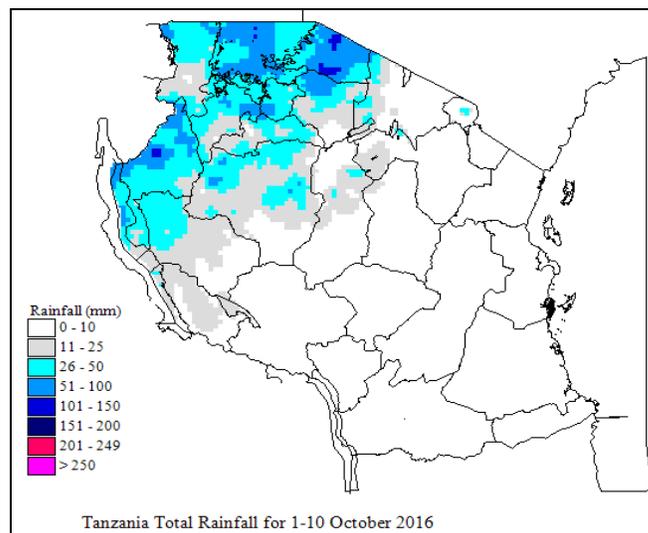


Figure 1: Rainfall performance (total rainfall) during October 1-10, 2016

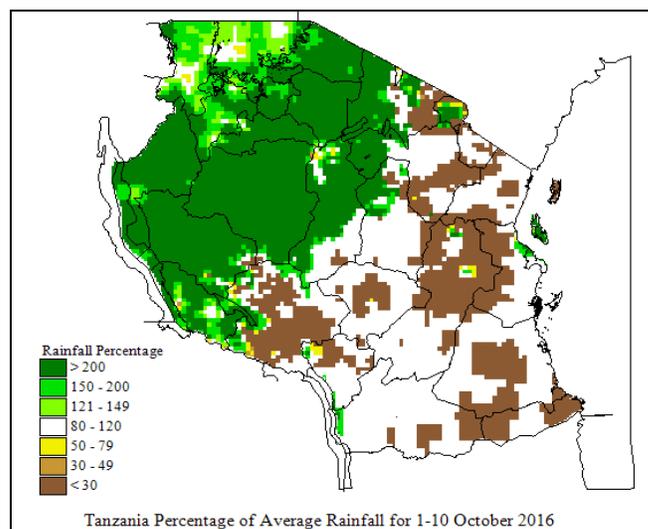


Figure 2: Rainfall performance during October 1-10, 2016 as percentage of long term average

**TEMPERATURE CONDITIONS DURING  
OCTOBER 1-10, 2016**

Warmer temperatures were experienced in some places, mostly bimodal areas of the country. Other places, especially in the unimodal and highland areas continued to experience relatively cooler temperature conditions.

**AGROMETEOROLOGICAL SUMMARY DURING  
OCTOBER 1-10, 2016**

The observed rains in places around Lake Victoria basin were useful for the ongoing planting and land preparation. Most farmers in Mwanza, Mara, Northern Kigoma and Kagera regions were reported to engage more in planting and land preparation activities. Over the unimodal areas, however, farmers in most places were reported to engage in out of season activities.

**HYDROLOGICAL CONDITIONS  
DURING OCTOBER 1-10, 2016**

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

**EXPECTED SYNOPTIC CONDITIONS  
DURING OCTOBER 11-20, 2016**

Southern hemisphere high-pressure systems are expected to remain relaxed while their counterparts to the north are expected to continue intensifying thus allowing the ITCZ to continue moving south-wards. 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.

**EXPECTED WEATHER DURING  
OCTOBER 11-20, 2016**

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

**AGROMETEOROLOGICAL OUTLOOK AND  
ADVISORY DURING OCTOBER 11-20, 2016**

With the available soil moisture, farmers over Lake Victoria farmers are advised to plant but they must get consultation from agricultural extension officers in their localities. For the rest of the bimodal areas as well as the unimodal areas, farmers may continue with land preparation and acquisition of inputs.

**HYDROLOGICAL OUTLOOK DURING  
OCTOBER 11-20, 2016**

Hydrological conditions are expected to continue declining, especially unimodal areas of the country due to persistent dry conditions.

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