

## DEKADAL WEATHER REVIEW

### HIGHLIGHTS

- The country featured mostly dry conditions during *September 11-20, 2015*; the dominant farm activity was land preparation in many places of the bimodal areas.
- With the expected light rains over the bimodal areas during *September 21-30, 2015*, farmers are advised to continue with land preparation and acquisition of farm inputs for the *vuli* season.

### No: 01. 2015/16 Cropping Season

### Review for September 11-20, 2015 and Outlook for September 21-30, 2015

#### SYNOPTIC SUMMARY DURING SEPTEMBER 11-20, 2015

During September 11-20, 2015, the pressure systems in the northern hemisphere (Azores and Siberia) as well as their counterparts in the southern hemisphere (St. Hellena and Mascarene high pressure systems) generally maintained their strengths thus maintaining the Inter-Tropical Convergence Zone (ITCZ) in the northern hemisphere. Similarly, Sea Surface Temperature (SST) patterns persisted whereby cool SSTs were observed over the eastern Atlantic Ocean closer to Angola coast while neutral to warm SSTs were observed in the North-West Indian Ocean (closer to Somali coast) and south-western Indian Ocean close to East Africa coast.

#### WEATHER (RAINFALL) SUMMARY DURING SEPTEMBER 11-20, 2015

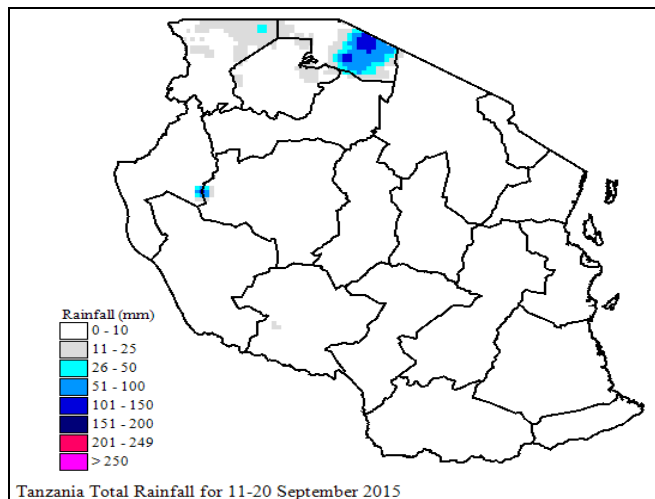


Figure 1: Total rainfall distribution in Tanzania during September 11-20, 2015

Due to the observed synoptic conditions, the country featured dry conditions in most areas except Mara and Kagera regions and pocket areas over Kigoma region where rainfall was observed. The highest total rainfall recorded during the dekad was 96.0mm recorded at Nyiberekera Hydromet station in Mara region. Figure 1

is Satellite Rainfall Estimates merged with gauge data from Tanzania rainfall stations network showing total rainfall distribution in the country during the dekad whereby most areas experienced dry conditions.

#### AGROMETEOROLOGICAL SUMMARY DURING SEPTEMBER 11-20, 2015

During the period, farmers in many places of the bimodal areas were engaged in land preparation for *vuli* season, as reported from Mwanza, Tanga and Mara regions. Pasture was moderate in many places except in semi-arid areas of the country particularly Dodoma, Singida and parts of Manyara regions where it was low. Water for livestock on the other hand was low across the country due to the prevailing dry conditions.

#### HYDROLOGICAL CONDITIONS DURING SEPTEMBER 11-20, 2015

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

#### ENVIRONMENTAL CONDITIONS DURING SEPTEMBER 11-20, 2015

Cool to moderate temperature conditions prevailed across the country.

#### EXPECTED SYNOPTIC CONDITIONS DURING SEPTEMBER 21-30, 2015

During September 21-30, 2015, both the northern and southern hemisphere high pressure systems are expected to maintain their strengths thus maintaining the ITCZ in the northern hemisphere. SST patterns are also expected to persist whereby Warm SSTs are expected over South-West Indian Ocean (East African coast) and Central Indian Ocean, cool SSTs are expected

over Atlantic Ocean closer to Angola coast while neutral to warm SSTs are expected in the North-West Indian Ocean (closer to Somali coast). This setting will influence dry conditions over most parts of the country except the Lake Victoria basin, north-eastern highlands and the coast where isolated wet condition are likely.

#### EXPECTED WEATHER DURING SEPTEMBER 21-30, 2015

**L**ake Victoria Basin (Kagera, Mwanza, Mara, Geita, Simiyu and Shinyanga regions): few rain showers and thunderstorms over few areas. North-eastern highlands (Kilimanjaro, Arusha and Manyara regions) and northern coast (Dar es Salaam, Morogoro and Tanga regions, the isles of Unguja and Pemba): few light rains over few areas. Western regions (Kigoma and Tabora regions), central areas (Dodoma and Singida regions), South-western highlands (Rukwa, Iringa and Mbeya regions), southern coast (Mtwara and Lindi regions) and southern region (Ruvuma region): these areas are expected to feature mainly dry conditions.

#### AGROMETEOROLOGICAL OUTLOOK AND ADVISORY DURING SEPTEMBER 21-30, 2015

**W**ith the expected light rains over the bimodal areas during September 21-30, 2015, farmers are advised to continue with land preparation and acquisition of farm inputs for *vuli* season.

#### HYDROLOGICAL OUTLOOK DURING SEPTEMBER 21-30, 2015

**D**uring September 21-30, 2015, water levels in dams and river flow are expected to continue decreasing over most parts of the country mainly unimodal areas of the country.

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