

DEKADAL WEATHER REVIEW

HIGHLIGHT

- During *June 1-10, 2015*, the country experienced mostly dry conditions.
- Mainly dry conditions and cold nights are expected during June 11-20, 2015.
- The expected dry conditions during June 11-20, 2015 may be favorable for crop harvesting and grain drying over unimodal areas.

No: 27. 2014/15 Cropping Season

Review for June 1-10, 2015 and Outlook for June 11-20, 2015

SYNOPTIC SUMMARY DURING JUNE 1-10, 2015

During June 1-10, 2015, the northern hemisphere high pressure systems (Azores and Siberia) continued to relax meanwhile the southern hemisphere high pressure systems (St. Helena and Mascarene) continued to intensify. Over land, the East Africa Ridge dominated most parts of Tanzania hinterlands. As for Sea Surface Temperatures (SSTs), warm SSTs dominated the Western Indian Ocean closer to East African coast extending to central Indian Ocean and over Atlantic Ocean near Angola coast whereas neutral to cool SSTs were observed over the north-western Indian Ocean closer to Somali coast. Neutral to slightly warm sea surface temperature (SST) pattern was observed over the Central Indian Ocean. This configuration made the Meridional arm of the Inter-Tropical Convergence Zone (ITCZ) to stay over Congo basin while the zonal arm of the ITCZ became well established in the northern hemisphere indicating the end of March to May (MAM) rainfall season. However occasional off seasonal rains were experienced over few areas.

WEATHER SUMMARY DURING JUNE 1-10, 2015

With the observed synoptic conditions during June 1-10, 2015, the country experienced mostly dry conditions except few places of the bimodal areas (parts of Kagera, Mwanza, Shinyanga, Mara, Arusha and Kilimanjaro regions) that experienced off-season. as shown in Figure 1 which is Satellite Rainfall Estimates merged with gauge data from Tanzania rainfall stations network showing total rainfall distribution during the dekad. Figure 2 also shows rainfall performance during the dekad as percentage of long term average whereby the country experienced mostly below normal rainfall except some parts over the bimodal areas (parts of Lake Victoria Basin and north-eastern highlands) that received off-season rainfall which was normal to above normal.

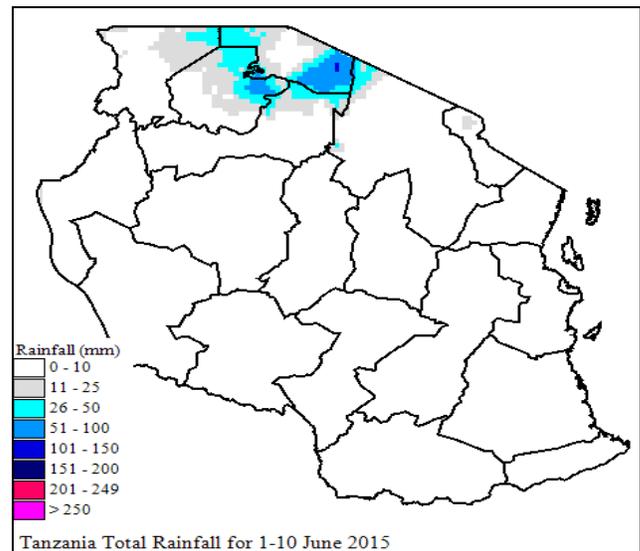


Figure 1: Spatial total rainfall distribution (mm) during June 1-10, 2015

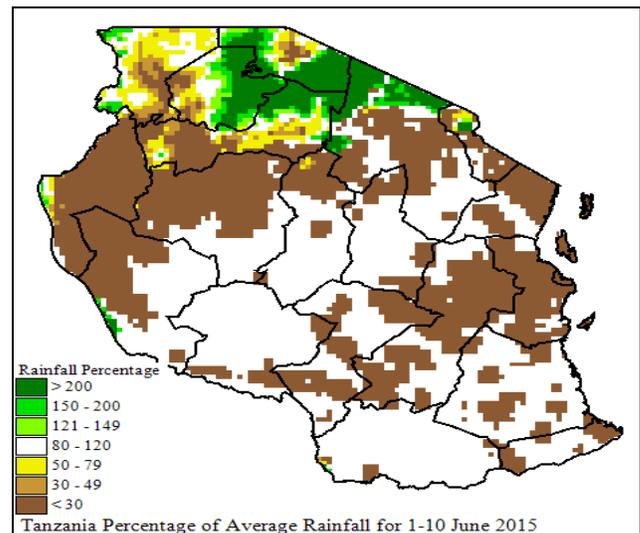


Figure 2: Rainfall performance during June 1-10, 2015 as percentage of long term average.

**AGROMETEOROLOGICAL SUMMARY
DURING JUNE 1-10, 2015**

During June 1-10, 2015, despite the dry conditions observed over most of the country, maize crop over much of the bimodal areas was reported in average condition and was at waxy ripeness stage in most areas. Over the unimodal areas, harvesting of maize crop was on going.

**HYDROLOGICAL CONDITIONS
DURING JUNE 1-10, 2015**

Water levels in dams and river flow discharges were moderate across the country.

**ENVIRONMENTAL CONDITIONS DURING
JUNE 1-10, 2015**

During June 1-10, 2015 relatively cooler temperature conditions prevailed across the country, especially during the night. Colder conditions were more experienced over highland areas of the contry especially in the north-eastern and south-western highlands.

**EXPECTED SYNOPTIC CONDITIONS DURING
JUNE 11-20, 2015**

During June 11-20, 2015, the northern hemisphere high pressure systems are expected to continue relaxing meanwhile the southern hemisphere high pressure systems are expected to continue intensifying. With this configuration, the ITCZ is expected to continue moving northwards from its current position. Warm SSTs are expected to be observed over Atlantic Ocean closer to Angola coast, neutral to slightly warm sea surface temperatures are expected to be observed East Africa coast and cool SSTs are expected over the Somali coast in the West Indian Ocean. This is expected to influence dry conditions over most parts of the country, except the northern coast where isolated wet condition are anticipated due to SSTs influence. Rising of low level wind speeds is likely to be observed over some parts of the country, and the wind is expected to be characterized by southerly flow most of the time. Nights are expected to be dominated by clear skies and slightly cool night temperatures over land.

**EXPECTED WEATHER DURING
JUNE 11-20, 2015**

Lake Victoria basin (Kagera, Mwanza, Mara, Geita, Simiyu and Shinyanga regions), north-eastern highlands (Kilimanjaro, Arusha and Manyara regions): mainly dry conditions with isolated thunderstorm and showers over few areas are expected. North-eastern highlands (Kilimanjaro, Arusha and Manyara regions): mainly dry conditions with isolated rain showers over few areas are expected. Northern coast (Dar es Salaam, Morogoro and Tanga regions, the isles of Unguja and Pemba): mainly dry conditions with isolated rain and showers over few areas are expected especially during the second half of the period. Western regions (Kigoma and Tabora regions): mainly dry conditions with occasional periods of rain showers and thunderstorms over few areas are expected during the period. Central areas (Dodoma and Singida regions): mainly dry conditions are expected during the period. South-western highlands (Rukwa, Iringa and Mbeya regions): mainly dry conditions with occasional periods of rain showers over few areas are expected during the period. Southern Coast (Mtwara and Lindi regions): mainly dry conditions with occasional periods of light rain showers over few areas are expected during the period. Southern region (Ruvuma region): mainly dry conditions with occasional periods of rain showers over few areas are expected during the period. Cold nights are also expected over the entire country.

**AGROMETEOROLOGICAL OUTLOOK AND ADVISORY
DURING JUNE 11-20, 2015**

During June 11-20, 2015, the expected dry conditions in the country will be favorable for crop harvesting and grain drying over the unimodal areas. However the expected rain showers over few areas over the bimodal areas may favor development of late grown maize crops to maturity stage.

**HYDROLOGICAL OUTLOOK DURING JUNE
11-20, 2015**

During June 1-10, 2015, water levels in dams and river flow discharges are expected to slightly decrease over most areas of the country.

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