



DEKADAL WEATHER REVIEW

No: 32. 2013/14 Cropping Season

Review for July 21-31, 2014 and Outlook for August 1-10, 2014

HIGHLIGHTS

- Cool to cold temperatures at nights and early mornings are expected over the entire country
- Strong winds over the Lake Victoria basin are expected

SYNOPTIC SUMMARY DURING JULY 11-31, 2014

During July 21-31, 2014, the Euro-Asia depressions over the northern hemisphere deepened significantly whereas the Azores high pressure system intensified slightly. In the southern hemisphere, the Mascarene high pressure system relaxed slightly resulting into mainly dry conditions, with few rain showers, over isolated areas in the Lake Victoria basin, north-eastern highlands and along coastal strip. Also, moderate to strong winds and cool nights were observed over few parts of the country.

WEATHER SUMMARY DURING JULY 21-31, 2014

During this period, seasonal dry conditions continued to prevail over most of the country except for a few localized areas over lake Victoria basin, north-eastern highlands, the coast and south-western highlands that received light rains.

AGROMETEOROLOGICAL SUMMARY DURING JULY 21-31, 2014

During July 21-31, 2014, the observed seasonal dry conditions that prevailed were favorable for crop harvesting, drying and storage activities over both the unimodal and bimodal areas. Pastures and water availability for livestock and wildlife have decreased due to prevailing seasonal dry conditions.

HYDROLOGICAL CONDITIONS DURING JULY 21-31, 2014

Water levels in dams and river flow discharges have decreased further due high evaporation rates attributed to prevailing seasonal dry conditions and strong winds in the country.

ENVIRONMENTAL CONDITIONS DURING JULY 21-31, 2014

During the period, cool to cold temperature conditions prevailed in the country, especially during the nights and early mornings.

EXPECTED SYNOPTIC CONDITIONS DURING AUGUST 1-10, 2014

During the first dekad of August 2014, high pressure systems over the northern hemisphere are expected to relax significantly and the depressions are expected to deepen further. In the southern hemisphere, both the St. Helena and the Mascarene highs are expected to intensify. The intensification of the southern hemisphere high pressure systems during the dekad is expected to increase the strength of the East Africa Ridge. This configuration is expected to hold the ITCZ further north and confine it in the northern hemisphere. The meridional arm of ITCZ is expected to maintain its position further west to Congo basin, slightly shifting east-wards and influence weather over some parts of the Lake Victoria basin. Also, the intensification of the southern pressure systems is expected to influence the wind speed over some parts of the country. The continuing neutral to cool SSTs over the Somali coast and neutral to warm Sea Surface Temperatures (SSTs) in South West Indian Ocean, close to Tanzanian coast, are likely to induce embedded convection over some areas and therefore influence rainfall activities over the north-eastern sector of the country, while over the remaining parts is expected to influence mainly dry and cold conditions with periods of cloudy and slight wet conditions over few areas of the country especially over high grounds of south-western highlands and northern coast areas.

EXPECTED WEATHER DURING AUGUST 1-10, 2014

Lake Victoria Basin (Kagera, Geita, Mwanza, Mara, Simiyu and Shinyanga regions including northern parts of Kigoma region): Mainly dry, chances of isolated rain showers and thunderstorms are expected over few areas especially during the second half of the

dekad. Cold nights and periods of strong winds are also expected. Northern coast (Dar es Salaam, Morogoro and Tanga regions together with the isles of Unguja and Pemba): Rain-showers over few areas especially during the second half of the dekad are expected. Cold nights and periods of strong winds are also expected over few areas. North Eastern Highlands (Kilimanjaro, Arusha and Manyara regions): Rain-showers over few areas during the second half of the period and cold conditions especially over high ground areas are expected. Western regions (Kigoma, Rukwa and Tabora regions): Mainly dry conditions and cold night conditions are expected. Central areas (Dodoma and Singida regions): Mainly dry conditions, cold and chilly weather conditions are expected. South-western highlands (Southern Rukwa, Katavi, Njombe, Iringa and Mbeya region): Mainly dry and cold night conditions. However, occasional rain showers are expected during the dekad. Southern Coast (Mtwara and Lindi regions): Mainly dry conditions and cold nights. However, occasional rain-showers are expected during the first half of the dekad. Southern region (Ruvuma region): Mainly dry and cold night conditions are expected during the dekad.

**AGROMETEOROLOGICAL OUTLOOK AND
ADVISORY DURING AUGUST 1-10, 2014**

Persistent periods of strong winds and dry conditions during August 1-10, 2014 are likely to favour fire outbreaks and further decrease of water due to high evaporation. Due to cold nights expected over high ground areas in the southwestern and northeastern highlands, heating up of homes by using charcoal stoves, firewood, etc. should be done with great care to avoid asphyxiation from carbon monoxide.

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