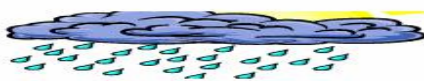




# TANZANIA METEOROLOGICAL AGENCY



## DEKADAL WEATHER REVIEW

No: 33 Cropping Season 2010/11

July 21-31, 2011

### HIGHLIGHTS

- During the period under review, farmers over unimodal rainfall areas were finalizing crop harvesting for 2010/2011 while in bimodal rainfall areas harvesting is the main activity.
- Low temperatures continued to dominate over the country.

### SYNOPTIC SITUATION

During the third dekad of July 2011, the northern hemisphere high pressure cells, the Azores and, Siberian high and its associated Arabian ridge were relaxed while the southern hemisphere high pressure cell, St. Helena anticyclones remained intense extending a ridge along the southern tip of the continent with the Mascarene high pressure system relaxed, the rain making mechanism (ITCZ) remained further north over the Great Horn of Africa. Generally, southerly low level wind divergence prevailed over eastern parts of the country during the period. A strong ridge from the St. Helena high was observed towards the end of the dekad. The configuration resulted into advection of very cold air to the country.

### RAINFALL SUMMARY

During the third dekad of July 2011 dry conditions prevailed over much of the country. Most of the areas were dry with few stations reporting rainfall. The highest rainfall reported is from Pemba 38.8 mm, followed by Tukuyu 38.0 mm, Bukoba 10.8 mm, Lyamungo 4.6 mm and Naliendele 2.0 mm. The rest of the stations reported rainfall below 2 mm.

### Agrometeorological and Crop Summary

During the period under review, farmers over unimodal rainfall areas were finalizing crop harvesting for 2010/2011 cropping season, whereas over bimodal rainfall regime areas, farmers continued harvesting maize, beans, cassava, rice, sunflower, cotton, tobacco and paddy. Crop harvests are anticipated to be below average over much of the country particularly in Arusha, Babati, Mbulu, Katesh, Simanjiro, Magu, Kwimba, Biharamulo, Kahama, Chunya and Mbarali districts due to inadequate soil moisture supply enhanced by earlier cessation of the seasonal rains.

Pastures and water availability for livestock and wildlife are moderate over much of the country.

### Hydro-meteorological Summary

Water levels in lakes, dams and river flows are low, thus water for domestic, industrial use and hydro-power generation should still be used sparingly.

### Environmental Summary

Temperatures over most areas in the country depicted cool to cold conditions.

**EXPECTED SYNOPTIC SYSTEMS  
DURING AUGUST 1-10 2011**

The southern hemisphere systems, St Helena and the Mascarene high pressure are expected to intensify. The northern hemisphere systems, Azores and Siberian high are expected to continue relaxing. Slightly warm SSTs are expected to persist over southwestern Indian Ocean while near neutral SSTs conditions are likely over central Indian Ocean.

**EXPECTED WEATHER SITUATION  
DURING AUGUST 1 - 10, 2011**

Lake Victoria Basin (Kagera, Mara, Shinyanga, and Mwanza regions): Light showers and isolated thunderstorms are expected over Kagera and Mara regions. Mwanza and Shinyanga regions are expected to experience mainly dry conditions with occasional thunderstorms.

Western areas (Tabora and Kigoma regions): Mainly dry conditions are expected. Northern coast and its hinterland (Dar es Salaam, Morogoro, Tanga and Coast regions, Isles of Unguja and Pemba): Mainly partly cloudy, long sunny periods and low temperatures during the night and early morning hours are expected. Southern coast (Mtwara and Lindi regions): Mostly partly cloudy conditions during morning hours and long sunny periods. Northeastern highlands (Arusha, Kilimanjaro, and Manyara regions): Mainly dry conditions are expected during the dekad.

Southwestern highlands (Rukwa, Mbeya and Iringa regions) and southern Morogoro (Mahenge areas): Mainly dry conditions and low temperatures during night and early morning hours. Occasional light rains over high grounds are expected. Southern region (Ruvuma region): Mainly dry conditions and long sunny periods. Occasional cloudy and foggy conditions are expected along Lake Nyasa. Central areas (Dodoma and Singida regions): Mainly dry conditions and low temperatures during night and early morning hours. Occasional windy conditions are expected.