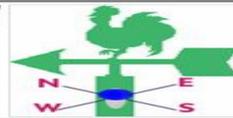
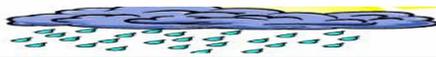




# TANZANIA METEOROLOGICAL AGENCY



## DEKADAL WEATHER REVIEW

No: 1 Cropping Seasons 2011/12

September 1-10, 2011

### HIGHLIGHTS

**Declining of pastures and water availability for livestock and wildlife was observed mainly over parts of central, southern coast and northeastern highlands, while marketing of the past seasonal harvests went on well.**

### SYNOPTIC SITUATION

During the first dekad of September 2011, the northern hemisphere anticyclones pressure cells, the Azores and Siberian highs, and Arabian ridge were relaxed while the southern hemisphere high pressure cells, St Helena and Mascarene anticyclones remained intense. Southerly to occasional south easterly low level wind prevailed over eastern parts of the country during the period. The configuration resulted into advection of cold air to the country. Convergences of the winds were observed over the Lake Victoria basin resulting to occasional thundershowers during the dekad. Also light rains were observed over the northern coast and high grounds of north eastern highlands.

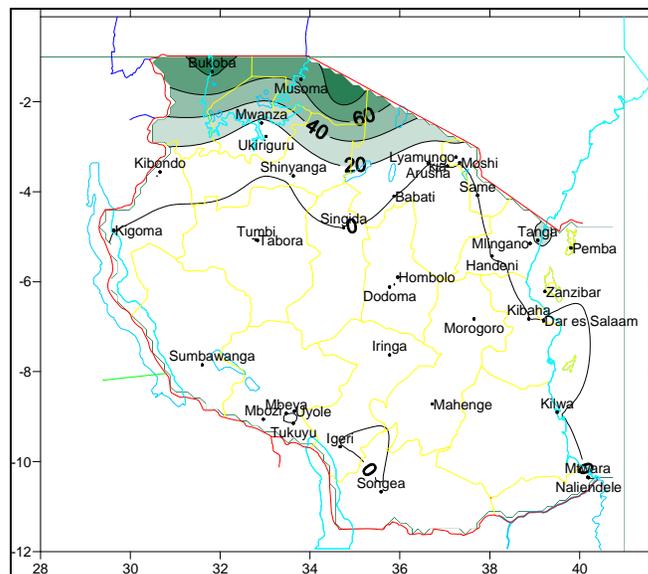
### RAINFALL SUMMARY

During the dekad, rainfall activities were observed over Lake Victoria basin and light rains were recorded over northern coast (Dar es Salaam, Coast region, Tanga and the Islands of Unguja and Pemba). The highest amount of rainfall for the period was recorded at Mugumu 92.5 mm, followed by Bukoba 84.6 mm, Musoma 62.3 mm, Tanga 30.1 mm, Mwanza 15.7 mm, and Lyamungo 14.5 mm. Other stations recorded less than 10 mm (Ukiriguru 6.5 mm, Kibondo 5.8 mm, Mlingano 2.2 mm and Shinyanga 1.4) with the rest receiving zero rainfall as shown in Figure 1 below.

### IMPACT ASSESSMENT

#### Agrometeorological and Crop Summary

Normal dry condition experienced during the dekad provided ample breather to most farmers. Declining of pastures and water availability for livestock and wildlife was observed mainly over parts of central, southern coast and northeastern highlands. Marketing of the past seasonal harvests over the rest of the country went on well.



**Figure 1:** September 1-10, 2011 Rainfall Distribution (mm)

**Hydro-meteorological Summary**

Water levels in lakes, dams and river flows have declined. Water for domestic and industrial use, and hydro-power generation should be used sparingly.

**Environmental Summary**

Temperatures over most areas in the country depicted cool to cold conditions. Dry and windy conditions coupled with low relative humidity facilitated the drying of farm produce.

### EXPECTED SYNOPTIC SYSTEMS SEPTEMBER 11-20, 2011

The southern hemisphere systems, St Helena and the Mascarene high pressure cells are expected to remain intense, for the first days of the dekad and relaxing during the second part of the dekad. Thenorthern hemisphere systems, Azores and Siberian high are expected to slightly intensify. Slightly warm SSTs are expected to persist over Southwestern Indian Ocean and over western Indian Ocean

### EXPECTED WEATHER DURING SEPTEMBER 11-20, 2011

Lake Victoria Basin (Kagera, Mara, Shinyanga and Mwanza regions): Showers and isolated thunderstorms are expected over, Mwanza Kagera and Mara regions.

While Shinyanga region is expected to experiences dry conditions with few cases of thunderstorms. Western (Tabora and Kigoma regions): Mainly dry conditions are expected with few cases of thunderstorms and showers over northern Kigoma. Northern coast and its hinterland (Dar es Salaam, Morogoro, Tanga and Coast regions, and Isles of Unguja and Pemba): Partly cloudy conditions and rains are expected at the beginning, reducing towards the end of the dekad. Southern coast (Mtwara and Lindi regions): Partly cloudy conditions and light rains over a few areas are expected at the beginning, reducing towards the end of the dekad and sunny periods. North-eastern highlands (Arusha, Kilimanjaro and Manyara regions): Mainly dry conditions are expected and sunny periods. Southwestern highlands (Rukwa, Mbeya and Iringa regions): Mainly dry conditions and low temperatures during night and early morning hours are expected. Southern region (Ruvuma region): Mainly dry conditions with occasional light rains along Lake Nyasa. Central (Dodoma and Singida regions): Mainly dry conditions and low temperatures during night and early morning hours.