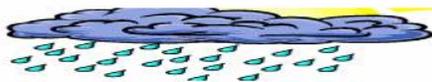




# TANZANIA METEOROLOGICAL AGENCY



## DEKADAL WEATHER REVIEW

No. 4, 2009/10 Cropping Season

October 1- 10, 2009

### HIGHLIGHTS

Land preparation for new cropping season was the major activity among farmers in bimodal rainfall regime.

### SYNOPTIC SITUATION

During the first dekad of October 2009, both southern hemisphere high pressure systems (St. Helena and Mascarene) were relatively strong contributing to the persistence of East African Ridge. The Siberia high pressure system in the northern hemisphere intensified slightly while the Azores high pressure system was generally moderate. Low level wind convergence over the western part of Lake Victoria and the extreme western part of the country supported some rainfall activities.

### RAINFALL SUMMARY

During the first dekad of October central and southern region of the country continued to experience generally dry conditions. Other areas of the country received some rainfall amounts where by Mwanza was leading by 152.9mm followed by Kizimbani 56.5mm, Mtwara 39.7mm, Naliendele 34.3mm and Bukoba 33mm. Other stations that received rainfall recorded amounts of less than 20mm for the period.

### IMPACT ASSESSMENT

#### Agrometeorological and Crop Summary

Dry condition that continued prevailing during the dekad was conducive for extensive land preparation mainly over bimodal areas of Tanzania. The dry conditions led to increased scarcity of pasture and water creating a threat to livestock and wildlife over much of Northeastern highlands (Arusha, Manyara, and Kilimanjaro regions) and central areas which observed poor rainfall performance during the previous season. Land preparation for new cropping season was the major activity among farmers in bimodal rainfall regime.

#### Hydrometeorological Summary

Water levels in rivers, lakes and dams and their respective catchments declined over most areas of the country as the dry season persisted. Water for industrial and domestic purposes should be used sparingly.

#### Environmental Summary

Night temperatures over most parts of the country are increasing especially over coastal areas of the country which contributed to an increase of diseases like blood pressure, asthma and hypertension.

**EXPECTED SYNOPTIC SYSTEMS  
OCTOBER 11-20, 2009**

During the dekad, the southern hemisphere high pressure systems (t St. Helena and Mascarene) are expected to relax slightly, whereas the Azores and Siberian high pressure systems in the northern hemisphere are expected to intensify thus allowing the Inter-tropical Convergence Zone (ITCZ) to slightly move southwards. The East African ridge is expected to relax and retreat southwards. Wind convergence is expected over Lake Victoria Basin and occasionally over western parts of the country thus allowing moisture influx over the area.

**EXPECTED WEATHER FOR THE  
PERIOD OCTOBER, 11-20, 2009**

Lake Victoria Basin (Kagera Mara and Mwanza regions and Kibondo) is expected to feature cloudy conditions with showers and thunderstorms and sunny intervals.

Occasionally, showers and thunderstorms are also expected over Shinyanga region. Northern coast and hinterland (Dar es Salaam, northern Morogoro, Tanga, Coastal region and the Islands of Unguja and Pemba) are expected to experience rain and showers. Southern Coast (Mtwara and Lindi regions) is expected to experience partly cloudy conditions with isolated showers. Northeastern highlands (Arusha, Kilimanjaro and Manyara regions) are expected to feature mainly partly cloudy conditions. A few light rains are expected over the high grounds. Southwestern highlands (Rukwa, Mbeya and Iringa regions) are expected to feature generally dry conditions. However, southern parts of Morogoro are expected to feature light rains. Western areas (Tabora, Southern Kigoma and parts of northern Rukwa) are expected to feature mainly partly cloudy conditions. However few areas of Rukwa and Tabora regions are expected to experience isolated showers and thunderstorms. Central (Dodoma and Singida regions) and Southern region (Ruvuma region) are expected to feature mainly partly cloudy conditions and long sunny periods.

*Prepared by*

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