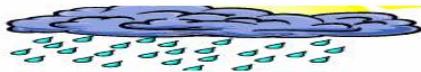




TANZANIA METEOROLOGICAL AGENCY



DEKADAL WEATHER REVIEW

No. 28 2007/08 Cropping Season

June 1-10, 2008

SYNOPTIC SITUATION

During June 1 – 10, the southern hemisphere systems (St. Helena and Mascarene anticyclones) continued to intensify extending a ridge towards the northeastern parts of Tanzania. The Azores and Siberian anticyclones in the northern hemisphere remained relaxed and allowed both the zonal and meridional arms of the Inter-Tropical Convergence Zone (ITCZ) to move further northwards out of the country. Southerly wind flow was dominant allowing cold air mass from the southern hemisphere to flow towards the country. During this dekad occasional southeasterly wind flow occurred resulting to a few off-seasonal rains mainly over the northern coast and northeastern high grounds.

RAINFALL SUMMARY

During June 1-10 rainfall was reported over a few

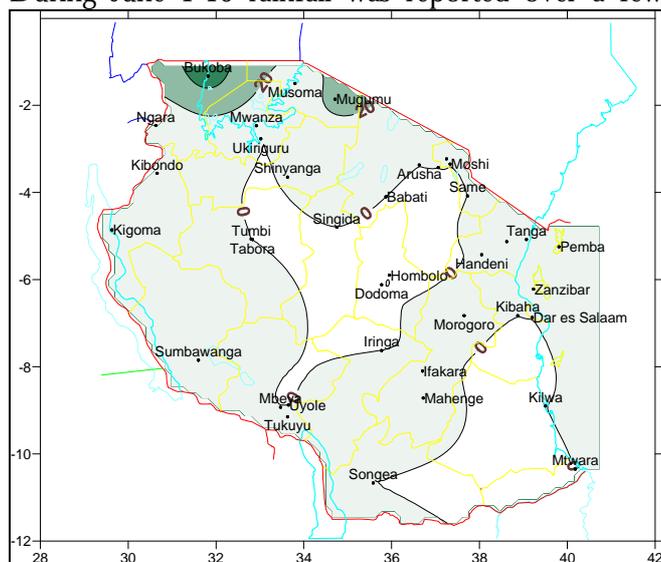


Fig. 1: June 1-10, 2008 Rainfall Distribution (mm)

areas occurring mainly over Lake Victoria basin and northeastern highlands as shown in Figure 1 for rainfall spatial analysis. The highest rainfall amount was reported at Bukoba 50.5 mm followed by Mugumu in Mara region 26.6 mm. A larger part of the country was generally dry with some few pockets which reported 10 day rainfall amounts not exceeding 20 mm. This indicates a normal onset of dry season during this period of the year.

IMPACT ASSESSMENT

Agrometeorological and Crop Summary

Soil moisture levels continued declining over most parts of the country rendering a conducive environment for harvesting activities and further drying up of the crops (maize, paddy, and millet/sorghum) mainly over unimodal rainfall areas (southwestern highlands, southern, western, and central regions). Crop yield for 2007/08 cropping season in these areas is anticipated to be good.

Over bimodal rainfall regime areas, early planted crops are being harvested while the late planted maize, rice and beans were between wax ripeness and full ripeness stages and in good state as observed over some parts of northeastern highlands. However, crops over Same (Mkumbara and Mkomazi), Mbulu, Loliondo, and Rombo in the northeastern highlands, and Ngara, Karagwe, Magu, Kwimba, and Tarime in the Lake Victoria basin were adversely affected by persistent low soil moisture conditions. In these areas crops condition was between moderate to poor, as some rain was still desired for proper maturity.

Market supply for cassava over several areas of the country continued fairly well, while pasture

conditions and water availability for livestock and wildlife were generally good across the country.

Hydrometeorological Summary

Water levels in lakes and dams were high as well as river discharges over parts of northeastern areas and Lake Victoria Basin. As for areas over central, southern, southwestern and western regions water levels have started to decline as the dry season continues.

Environmental Summary

Night temperatures are falling over most parts of the country as we enter the cool/cold season.

EXPECTED SYNOPTIC SYSTEMS DURING JUNE 11-20, 2008

During this dekad, the southern hemisphere systems (St. Helena and the Mascarene anticyclones) are expected to continue intensifying, whereas the Azores and Siberian anticyclones in the northern hemisphere are expected to relax thus allowing both the meridional and zonal components of the ITCZ to further move northwards.

Southerly wind flow is expected to continue bringing cold air from the southern hemisphere. Cool to cold conditions are expected to spread towards the central areas and northeastern highlands.

EXPECTED WEATHER DURING JUNE 11-20, 2008

Southwestern highlands (Mbeya, Iringa and Rukwa regions) and southern region (Ruvuma and Mahenge) are expected to feature cold conditions with fog patches and light rains. Central areas (Dodoma and Singida regions) are expected to feature partly cloudy and cool conditions. Western areas (Kigoma and Tabora regions) and southern coast (Mtwara and Lindi regions) are expected to feature partly cloudy conditions and long sunny periods. Northern coast (Dar es Salaam, Pwani, Tanga and hinterlands and islands of Zanzibar and Pemba) and northeastern highlands (Arusha, Kilimanjaro and Manyara regions) are expected to feature partly cloudy conditions with occasional light showers mainly over high grounds. The Lake Victoria Basin (Kagera, Mwanza, Shinyanga, and Mara regions) is expected to feature partly cloudy conditions with isolated thunderstorms.

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