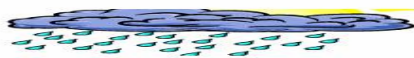




TANZANIA METEOROLOGICAL AGENCY



DEKADAL WEATHER REVIEW

No: 28. 2011/12 Cropping Season

June 1-10, 2012

HIGHLIGHTS

- *Crops approaching wax ripeness to full ripeness stage, and in moderate to good state, as was reported mainly over bimodal sector where drastic fall of soil moisture during the dekad hampered some of the late grown crops particularly in the low grounds of northeastern highlands.*

SYNOPTIC SUMMARY

During the first dekad of June, 2012 southern hemisphere high pressure cells, St Helena anticyclone intensified while Mascarene anticyclone relaxed slightly. Northern hemisphere high pressure cells, Siberian high and the associated Arabian ridge continued to relax slightly. This continued to enhance the movement of the Inter-Tropical Convergence Zone (ITCZ), a rain-making mechanism in the northern hemisphere. Slightly warm Sea Surface Temperature (SSTs) conditions were observed over the eastern Indian Ocean while slight cool were observed over southwestern Indian Ocean, this resulted into southerly to southwesterly low level wind flow over the country, enhancing rainfall over some parts of Lake Victoria basin.

RAINFALL SUMMARY

During the first dekad of June 2012 seasonal dry conditions increased and spread countrywide, where many stations recorded much less rainfall with dekad amounts falling below 30 mm for the period. The highest total amount of rainfall was observed at Bukoba Met. Station 26.4 mm, followed by Mugumu 25.0 mm, Ukiriguru 10.1 mm, Lyamungu 7.0 mm, Pemba 6.1 mm, Matangatuani 6.0 mm, Tukuyu 4.0 mm, Mwanza 2.4 mm, Igeri 2.0 mm, Arusha 1.4 mm and Kigoma 1.1 mm. Remaining areas were absolutely dry, as shown in Figure 1 below.

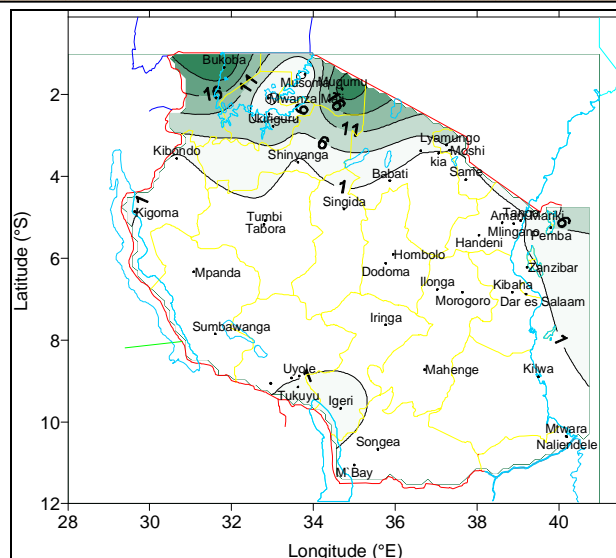


Fig 1: June 1- 10, 2012 Rainfall distribution (mm)

IMPACT ASSESSMENT

Agrometeorological and Crop Summary

Crops were approaching wax ripeness to full ripeness stage, in poor to moderate state as observed mainly over bimodal sector where drastic fall of soil moisture during the dekad hampered some of the late grown crops particularly in the low grounds of northeastern highlands. Most maize and beans crops were at advanced to full ripeness stage and in moderate to good state, contrary to the crop performance over low ground areas of the northeastern highlands particularly in Same and Moshi areas that experienced a higher degree of soil moisture deficits. As for unimodal sector crops were reported at maturity to harvesting stage, except for wheat over southwestern highlands that was at tasseling and in good state. Paddy crop over bimodal and unimodal sectors was at tasselling to harvesting stages, and in good state. Coffee in

northeastern highlands particularly Lyamungu in Kilimanjaro region was in the harvesting and in moderate state.

Pastures and water availability for livestock during the dekad were generally good.

Agrometeorological Outlook

Late grown crops over bimodal sector will be affected by inadequate soil moisture supply expected during the period, though the situation is greatly conducive for harvesting activities continuing over several areas of the country.

Hydrological Summary

Water levels in lakes, dams and river-flow discharges over most parts of the country were generally moderate and are likely to drop as seasonal dry conditions spread.

Environmental Summary

Temperatures mostly over high ground areas in the country were fairly cool. Likewise, over the coastal belt and inland areas temperatures were slightly getting lower with uncomfortable dusty air. During the second dekad of June periods of cool to cold nights are expected to prevail over high ground areas in the southwestern and northeastern highlands of the country.

EXPECTED SYNOPTIC SYSTEMS DURING JUNE 11-20, 2012

During the coming dekad, southern systems, i.e. St. Helena and Mascarene high pressure systems are expected to continue intensifying. Northern systems, i.e. Azores and Siberian high pressure systems are expected to continue relaxing. Therefore, the ITCZ is expected to continue migrating towards north from its current position. Southerly to southeasterly low level winds are expected to prevail over much of the country.

EXPECTED WEATHER DURING JUNE 11-20, 2012

Occasional rainfall activities are expected over Lake Victoria Basin, northeastern highlands, northern coast regions, Unguja and Pemba Isles, and high grounds of southwestern highlands and southern region. While over the western, southern, southern coast, and central regions are expected to feature mainly dry conditions, marking the end of rainfall season in unimodal areas.

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