



DEKADAL WEATHER REVIEW

No: 33. 2012/13 Cropping Season

July 21- 31, 2013

- Dry conditions experienced over both unimodal and bimodal sectors during the dekad, were favorable for final crop harvesting, storage and marketing.
- Cooler temperatures and periodic stronger southerlies associated with large ocean waves along the coastal strip are expected to feature over the country.

SYNOPTIC SUMMARY

During the third dekad of July 2013, strengthened pressure systems over southern Africa empowered the associated East African Ridge which remained intense over the entire country. Their corresponding systems in the northern hemisphere remained relatively weak. As a result the Inter-Tropical Convergence Zone (ITCZ) was maintained far north of Ethiopia. Strong southerlies drove cool conditions into most parts of the country and maintained stronger waves along the coast of Tanzania.

However, low harvests are expected over bimodal areas especially in low lying areas of Same and Musoma where late planted *Masika* crops were negatively impacted by the observed dry condition and were in poor condition. Over unimodal areas, seasonal dry condition continued during the dekad.

Pastures and water availability for livestock and wildlife over much of the country was generally good.

Hydrological Summary

Water levels in dams and river-flow was maintained despite of the prevailed seasonal dry conditions.

Environmental Summary

Temperature conditions over much of the country were generally low due to cool southerlies which prevailed during the period.

WEATHER SUMMARY

During the dekad under review, the country featured mainly dry conditions with isolated light rain particularly over the northern coast, north-eastern highland, south western highlands and Lake Victoria basin. The highest amount of rainfall was recorded over Tukuyu (83.1mm) followed by Bukoba (75.4mm), Lyamungu (26.9mm), Same (20.4mm), Mahenge (12.3mm), Pemba (10.5mm) and Musoma (10mm). The remaining stations reported rainfall less than 10mm.

EXPECTED SYNOPTIC CONDITIONS DURING AUGUST 1-10, 2013.

During this period, enhanced pressure systems over southern Africa are expected to maintain the East African low level ridge over the country while their corresponding systems in the northern hemisphere are expected to remain significantly weak. The net effect is for the ITCZ to continue staying north of Ethiopia. Tropospheric Jetstream in the southern hemisphere are expected to trigger formation of the upper level ridge as this configuration will enhance low level troughs modifying the weather over some part of the country. Cooler temperatures, periodic stronger southerlies associated with large ocean waves along the coastal strip and isolated light rains mainly over high ground areas are predicted to feature over the country.

IMPACT ASSESSMENT

Agrometeorological and Crop Summary

During the third dekad of July 2013, seasonal dry condition were experienced over both bimodal and unimodal areas. The dominant farm activity over bimodal areas including Mwanza, Tanga, Kilimanjaro and Kagera regions was final harvesting of cotton, paddy and maize crops. Crops in these areas were observed to be in moderate condition. Other crops like coffee, and sweet potatoes were at full ripeness, with ongoing harvesting activities.

**EXPECTED WEATHER
DURING AUGUST 1- 10, 2013.**

Lake Victoria basin (Kagera, Mwanza, Mara, Geita, Simiyu and Shinyanga regions) is expected to feature dry and cool conditions with isolated thunderstorms. Northern coast (Dar es Salaam, Morogoro and Tanga regions, the Isles of Unguja and Pemba) and southern coast (Mtwara and Lindi regions) are expected to feature dry and cool conditions with possibility of isolated light rain showers. Northeastern highlands (Kilimanjaro, Arusha, and Manyara regions) are expected to feature dry and cool conditions with possibility of light rain over high grounds. Southwestern highlands (Rukwa, Katavi, Iringa, Njombe and Mbeya regions), Southern region (Ruvuma region), western regions (Kigoma and Tabora regions) and central areas (Dodoma and Singida regions) are expected to feature dry and cool conditions.

**AGROMETEOROLOGICAL OUTLOOK
DURING AUGUST 1- 10, 2013.**

During the first dekad of August, 2013, the expected dry and cool conditions over bimodal areas will be beneficial mainly for harvesting activities being carried out. Cooler temperatures are expected to prevail over much of the country. High ground areas of northeastern and southwestern highlands, and Lushoto in the northern coast, may experience much lower temperatures as compared to other parts of the country.

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