



DEKADAL WEATHER REVIEW

No: 2. 2013/14 Cropping Season

September 11- 20, 2013

HIGHLIGHTS

- Dry conditions continued during the second dekad of September over much of the country with pockets of light rains.
- The expected rains during the third dekad of September, 2013 may be beneficial for farm preparation and early planting over Kagera region and northern Kigoma.

SYNOPTIC SUMMARY

During the first dekad of September 2013, pressure systems over the southern hemisphere relaxed slightly while those in the northern hemisphere intensified. East African low level ridge over the country also relaxed during the dekad, resulting into weakening of pressure over the Lake Victoria basin. The ITCZ was observed to continue migrating slowly towards the equator while maintaining its position over the Great Horn of Africa.

(OND) season. Thus, land preparation over bimodal sector is highly encouraged mainly for Mwanza, Kagera, Shinyanga, Mara and Kilimanjaro regions, while over the unimodal sectors land preparation has started over a few areas including Mbeya and Iringa regions.

Pastures and water availability for livestock and wildlife decreased slightly over some areas of the country.

Hydrological Summary

Water levels in dams and river-flow continued to decrease due to prevailing seasonal dry conditions over most parts of the country.

Environmental Summary

Temperature conditions over much of the country increased slightly during the period.

WEATHER SUMMARY

The observed synoptic conditions during the dekad led to thundery activities with occasional cases of showers over the Lake Victoria basin and Kigoma region. Occasional light rains were also observed over the northern coastal and north eastern highlands. The highest amount of rainfall during the dekad was recorded over Mugumu (59.6 mm), followed by Mwanza (43.1 mm), Bukoba (22.5 mm) and Ukiriguru (17.9 mm). Other areas remained generally dry.

EXPECTED SYNOPTIC CONDITIONS DURING SEPTEMBER 21-30, 2013

During the third dekad of September 2013, pressure systems over the northern hemisphere are expected to maintain their strength while those in the southern hemisphere are expected to slightly relax. The overlying East African low level ridge is expected to continue relaxing. Low level wind convergence is expected to dominate over the first half of the dekad over Lake Victoria basin towards western areas (Kigoma and Katavi regions) while southeasterly flow is expected to dominate over the remaining part of the country. The rain making system (ITCZ) is expected to slight continue migrate to south. This configuration is expected to result in thundery and showery activities over the lake Victoria Basin and some parts of west part of the country while causing slight

IMPACT ASSESSMENT

Agrometeorological and Crop Summary

During the second dekad of September 2013, much of the country remained seasonally dry except for a few pocket areas over the Lake Victoria basin that reported improved soil moisture conditions. Land preparations for the season was carried out over several parts of the country including Lake Victoria basin (particularly Kagera and Mwanza regions), Kilimanjaro and Arusha regions over north eastern highlands and parts of northern coast including Tanga and Morogoro regions. The observed rainfall over Lake Victoria basin during the dekad suggest onset of short rains

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wet condition over the North-eastern highlands and Northern Coast areas.

EXPECTED WEATHER DURING SEPTEMBER 21-30, 2013

Lake Victoria Basin (Kagera, Geita, Mwanza, Mara, Simiyu and Shinyanga regions): Thundershowers are expected. Northern coast (Dar es Salaam, Morogoro and Tanga regions, the Isles of Unguja and Pemba): Mainly dry conditions with isolated light rains are expected. North Eastern Highlands (Kilimanjaro, Arusha and Manyara regions) and southern coast (Mtwara and Lindi regions): Mainly dry conditions with isolated light rains are expected. Western regions (Kigoma, Rukwa and Tabora regions): Mainly dry conditions with occasional thundershowers mainly over Kigoma region are expected. Central areas (Dodoma and Singida regions), south-western highlands (Southern Rukwa, Katavi, Njombe, Iringa and Mbeya region) and Southern region (Ruvuma region): Mainly dry conditions are expected.

AGROMETEOROLOGICAL OUTLOOK DURING SEPTEMBER 21-30, 2013

The expected rains during the third dekad of September, 2013 may be beneficial for farm preparation and planting over Lake Victoria basin mainly over Kagera and northern Kigoma the short rains season has already started.