

DEKADAL WEATHER REVIEW

No: 26 2016/17 Cropping Season Review for June 11-20 and Outlook for June 21-30, 2017

HIGHLIGHTS

- Most of the country experienced seasonal dry conditions during June 11-20, 2017
- Crops in most areas of the country were at ripeness stages with ongoing harvesting activities in Kigoma, Tabora, Rukwa, Katavi, Njombe, Lindi, Iringa, Ruvuma and Mtwara regions.
- Periods of strong winds are likely to occur over southern coastal regions (Mtwara and Lindi)
- The expected seasonal dry conditions will be favorable for crop harvesting, drying and storage, although it may lead to further declining in water and pasture for livestock. Livestock keepers are advised to make good use of the available water and pasture.

SYNOPTIC SUMMARY DURING JUNE 11-20, 2017

During the period under review, a well-organized East Africa Ridge from the southern pressure systems covered most parts of the hinterlands. The southern high-pressure systems (ST. Hellene and Mascarene) intensified significantly, while their counterparts in the northern hemisphere relaxed slightly, thus contributing to northwards movement of the ITCZ. The south-western Indian Ocean remained slightly warm while the Western Atlantic Ocean (close to Angolan coast) featured slight warmer Sea Surface Temperatures (SSTs), a condition which weakened penetration of westerly winds over the western areas of the country.

RAINFALL PERFORMANCE DURING JUNE 11-20, 2017

In view of the observed synoptic features, the country experienced seasonal dry conditions as illustrated in Figure 1. However, off-seasonal light rains were observed over few areas of Lindi and Mara Regions.

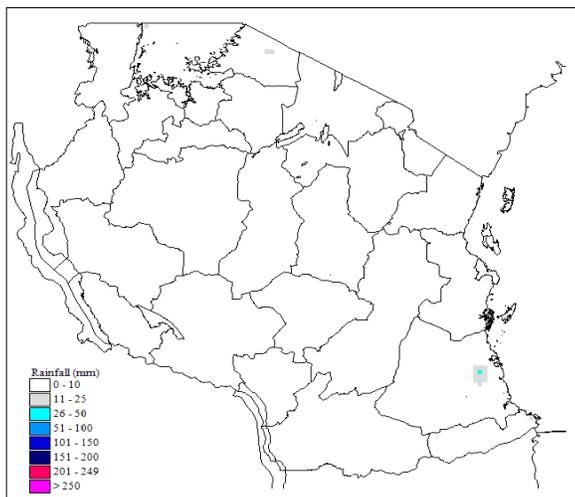


Figure 1: Total rainfall during June 11-20, 2017

AGROMETEOROLOGICAL SUMMARY DURING JUNE 11-20, 2017

Crops in most of the bimodal areas were at ripeness stage, with ongoing harvesting activities in unimodal areas. In the bimodal areas, maize crop was at full ripeness stage in Geita, Mwanza, Mara, Manyara, Morogoro and Pwani regions. In the unimodal areas, maize crop was at harvesting stage with ongoing storage activities reported in Kigoma, Tabora, Rukwa, Katavi, Njombe, Iringa, Mbeya, Ruvuma and Mtwara regions. Water and pastures availability for livestock was in moderate conditions over most areas of the country except for Ngorongoro, Longido, Monduli and Simanjiro districts which experienced relatively poor conditions.

HYDROLOGICAL CONDITIONS DURING JUNE 11-20, 2017

Water levels in dams and river flow discharges slightly decreased over most areas of the country due to the ongoing dry season.

EXPECTED SYNOPTIC CONDITIONS DURING JUNE 21-30, 2017

Southern high-pressure systems are expected to intensify significantly, while their counterparts in the north are expected to relax, thus allowing the ITCZ to continue moving northwards away from Tanzania. Tropical Western Indian Ocean is expected to feature warm conditions whereas SSTs over the Atlantic Ocean closer to Angola coast are expected to continue getting warm to neutral, contributing to less wet periods over Western and Lake Victoria Basin areas of Tanzania during the period. Due to intensification of the southern hemisphere pressure systems, periods of strong winds and cool temperatures are likely to occur over some areas.

EXPECTED WEATHER CONDITIONS DURING JUNE 21-30, 2017

The entire country is expected to feature dry conditions and cool to cold temperatures. However, off seasonal light rains are expected over few areas of Lake Victoria Basin (Kagera, Mwanza, Mara, Geita, Simiyu and Shinyanga regions), northeastern highlands (Kilimanjaro, Arusha and Manyara regions), southwestern highlands (Rukwa, Iringa, Songwe and Mbeya regions) and the northern coast (Dar es Salaam, Morogoro and Tanga regions, the isles of Unguja and Pemba).

Periods of strong winds are likely to occur over the entire coast and hinterlands (Tanga, Dar es Salaam, Morogoro, Lindi, Mtwara, Pwani regions and southern areas (Njombe and Ruvuma regions).

AGROMETEOROLOGICAL OUTLOOK AND ADVISORY DURING JUNE 21-30, 2017

The expected dry season will be favorable for crop harvesting, drying and storage. However, the dry conditions will lead to decline in water for livestock. Pastoralists are advised to make good use of the available water and pasture resources in consultation with extension officers.

HYDROLOGICAL OUTLOOK AND ADVISORY DURING JUNE 21-30, 2017

Water levels in dams and river flow discharge are expected to continue decreasing over most parts of the country due to the ongoing dry season coupled with strong winds. Water users are advised to make good use of the available water.

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