

DEKADAL WEATHER REVIEW

No: 27 2016/17 Cropping Season

Review for June 21-30 and Outlook for July 1-10, 2017

HIGHLIGHTS

- Most of the country experienced seasonal dry conditions during June 21-30, 2017 with off-seasonal rainfall observed in some areas of Morogoro, Pwani, Singida, Kilimanjaro, Tanga, Lindi regions and the island of Unguja.
- Crops in most areas of the country were at full ripeness stage, with ongoing harvesting activities across the country.
- Periods of strong winds are likely to occur over coastal regions.
- The expected seasonal dry conditions will be favorable for crop harvesting, drying and storage, although it may lead to further declining in water and pastures for livestock. Livestock keepers are advised to make good use of the available water and pastures.

SYNOPTIC SUMMARY DURING JUNE 21-30, 2017

During the period under review, high pressure systems in the southern hemisphere (St. Helena and Mascarene) continued to intensify significantly, enhancing the overland East African Ridge. On the other hand, the high pressure systems in the northern hemisphere (Azores and Siberia) remained relaxed. The situation was unfavorable for the rainfall making mechanism, the Inter-Tropical Convergence Zone (ITCZ) to remain over our country. It contributed to northward movement of the ITCZ. Sea Surface Temperatures (SSTs) over the western Indian Ocean were slightly warm whereas over the western Atlantic Ocean (close to Angola coast) slightly neutral SSTs were observed.

RAINFALL PERFORMANCE DURING JUNE 21-30, 2017

In view of the observed synoptic features, the country experienced seasonal dry conditions as illustrated in Figure 1. However, off-seasonal rainfall were observed in some areas of Morogoro, Pwani, Singida, Manyara, Kilimanjaro, Tanga, Pwani, Morogoro, Lindi regions and the island of Unguja.

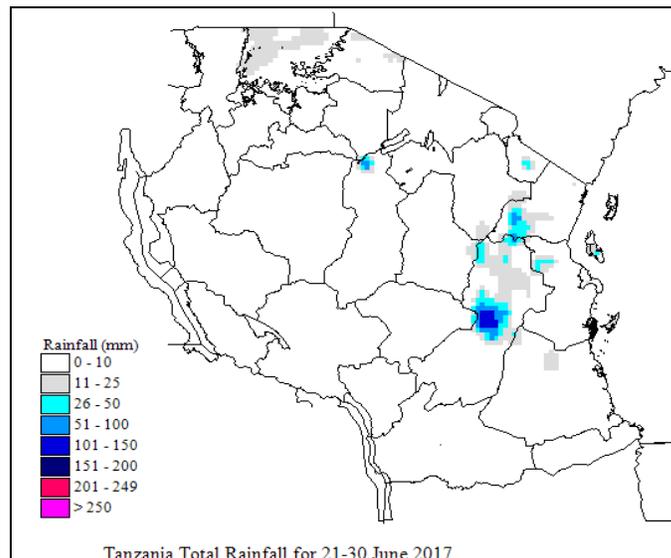


Figure 1: Total rainfall during June 11-20, 2017

AGROMETEOROLOGICAL SUMMARY DURING JUNE 21-30, 2017

Crops in most areas of the country were at full ripeness stage, with ongoing harvesting activities across the country. Water and pasture availability for livestock was in moderate conditions over most areas of the country except for Ngorongoro, Longido, Monduli and Simanjiro districts where relatively poor conditions was experienced.

HYDROLOGICAL CONDITIONS DURING JUNE 21-30, 2017

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

EXPECTED SYNOPTIC CONDITIONS DURING JULY 1-10, 2017

The southern hemisphere high pressure systems are expected to intensify significantly and strengthen the East African Ridge. The northern hemisphere high pressure systems are expected to relax, thus allowing the ITCZ to continue moving northwards away from the country. SSTs are expected to be slightly warm over tropical western Indian Ocean and warm to neutral over the southeastern Atlantic Ocean (closer to Angola coast).

EXPECTED WEATHER CONDITIONS DURING JULY 1-10, 2017

The entire country is expected to feature dry conditions and cool to cold temperatures due to intensification of the southern hemisphere pressure systems. Periods of strong winds are also likely to occur over coastal regions including isles of Unguja and Pemba. 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), northern coast (Dar es Salaam, Morogoro and Tanga regions, the isles of Unguja and Pemba) and southwestern highlands (Rukwa, Iringa, Songwe and Mbeya regions). 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 JULY 1-10, 2017

The expected dry season will be favorable for crop harvesting, drying and storage. However, dry conditions will lead to further 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 JULY 1-10, 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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