



DEKADAL WEATHER REVIEW

No: 34 2016/17 Cropping season

Review for September 1-10 and Outlook for September 11-20, 2017

HIGHLIGHTS

- Dry conditions continued to prevail over most of the country during September 1-10, 2017 with off-seasonal light rains observed in few areas of Mwanza, Mtwara, Morogoro, Isles of Unguja and Pemba, Kagera, Mara, Shinyanga, Tanga, Kilimanjaro and Dar es Salaam.
- Farmers in some of bimodal areas are continuing with land preparation for the coming October – December (*vuli*) season.
- Periods of strong winds are likely to occur over coastal regions during September 11-20, 2017.
- The expected dry conditions will 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 SEPTEMBER 1-10, 2017.

During the period under review, the high pressure systems in the southern hemisphere (St. Helena and Mascarene) relaxed and caused the East African Ridge to relax, while the high pressure systems in the northern hemisphere (Azores and Siberia) intensified. This situation contributed to the Inter-tropical Convergence Zone (ITCZ) to start migrating towards Southern hemisphere. Sea Surface Temperatures (SSTs) over the Tropical Western Indian Ocean were warm to neutral while cooling was observed over the South-eastern areas of Southern Africa; this influenced frequent strong and cool southerly to southeasterly winds along the Tanzanian coast. The Southeast Atlantic Ocean (closer to Angola coast) had cool to neutral SSTs, contributing to less wet periods over Western and Lake Victoria Basin areas of Tanzania during the period.

RAINFALL PERFORMANCE DURING SEPTEMBER 1-10, 2017

In view of the observed synoptic features, dry conditions continued to prevail over most of the country during September 1-10, 2017 with off-seasonal light rains observed in few areas of Mwanza, Mtwara, Morogoro, Isles of Unguja and Pemba, Kagera, Mara, Shinyanga, Tanga, Kilimanjaro and Dar es Salaam as shown in Figure 1.

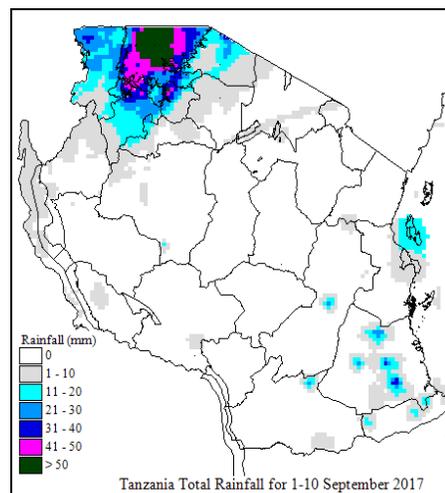


Figure 1: Total rainfall during September 1-10, 2017

AGROMETEOROLOGICAL SUMMARY DURING SEPTEMBER 1-10, 2017

Farmers in some of the bimodal areas are continuing with land preparation for the coming October – December (*vuli*) season which is prominent. Over the unimodal areas, farmers are continuing with food storage and planning for the coming rain season. Water and pasture availability for livestock declined over much of Mwanza, Mara, Simiyu, Shinyanga, Singida, Arusha, Manyara and Dodoma regions. Other areas had moderate water and pasture conditions.

HYDROLOGICAL CONDITIONS DURING SEPTEMBER 1-10, 2017

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

isolated light rain showers especially over high grounds.

**EXPECTED SYNOPTIC CONDITIONS
DURING SEPTEMBER 11-20, 2017**

Southern hemisphere high pressure systems are expected to relax while the northern hemisphere high pressure systems are expected to intensify. This situation will cause the ITCZ to continue migrating towards southern hemisphere. SSTs over tropical western Indian Ocean are expected to remain warm to neutral and this is likely to keep southerly to southeasterly winds along the coast of Tanzania. On the other hand, SSTs over the southeastern Atlantic Ocean (closer to Angola coast) are expected to be slightly cool, contributing to dry periods over Western areas of Tanzania. Due to presence of relatively strong East African ridge, periods of strong winds and cool temperatures are expected to be maintained over some areas of the country.

**AGROMETEOROLOGICAL OUTLOOK AND
ADVISORY DURING SEPTEMBER 11-20, 2017**

Off- seasonal rains are not adequate for planting seasonal crops but may affect cereal crops that are not stored properly and those in fields. The expected dry conditions may lead to further decline in water for livestock and human use in water scarce areas. Pastoralists are advised to use the available water and pasture resources sparingly in consultation with extension officers

**EXPECTED WEATHER CONDITIONS DURING
SEPTEMBER 11-20, 2017**

Lake Victoria Basin (Kagera, Mwanza, Mara, Geita, Simiyu and Shinyanga regions) is expected to have dry conditions with occasional rain showers and thunderstorms. **Northeastern highlands** (Kilimanjaro, Arusha and Manyara regions) are expected to have dry conditions with occasional rain showers especially over high grounds. **Northern coast** (Dar es Salaam, Morogoro and Tanga regions, the isles of Unguja and Pemba) expect dry conditions with isolated rain showers over the northern coast, especially over Tanga Region and the isles of Unguja and Pemba with a period of strong winds are likely to occur. **Western regions** (Kigoma, Katavi and Tabora regions) and **Central areas** (Dodoma and Singida regions) are expected to have dry conditions. **Southwestern highlands** (Rukwa, Iringa, Songwe and Mbeya regions) expected to have dry with occasional light rain showers especially over high grounds. **Southern Coast** (Mtwara and Lindi regions) expected to have dry conditions with isolated rain showers over few areas and **Southern region** (Ruvuma region) is expect to have dry conditions with

**HYDROLOGICAL OUTLOOK AND
ADVISORY DURING SEPTEMBER 11-0,2017**

Water levels in dams and river flow discharges are expected to continue decreasing over most parts of the country due to the ongoing dry season conditions. Water users are advised to use available water carefully.

Prepared by
TANZANIA METEOROLOGICAL AGENCY

3rd, Floor - Ubungo Plaza – Morogoro Road. Dar es Salaam –The United Republic of Tanzania

P.O. Box 3056 Tel. 255 -(0) 22 – 2460706-8 ; Fax: 255 - (0) 22 – 2460718 E-mail: (1) met@meteo.go.tz (2) agromet@meteo.go.tz