

DEKADAL WEATHER REVIEW

HIGHLIGHTS

- Few places in the bimodal area started experiencing *vuli* rains during *September 21-30, 2015* whereas the rest of the country continued to feature dry conditions.
- With the expected rainfall over the bimodal area during *October 1-10, 2015*, farmers are advised to finalize land preparation and get ready for planting as soon as soil moisture is adequate to support seed germination.
- Farmers are also advised to seek professional advice from Agricultural Extension Officers in their localities.

No: 02. 2015/16 Cropping Season

Review for September 21-30, 2015 and Outlook for October 1-10, 2015

SYNOPTIC SUMMARY DURING SEPTEMBER 21-30, 2015

During this period, the pressure systems in the northern hemisphere (Azores and Siberia) intensified slightly while their counterparts in the southern hemisphere (St. Hellena and Mascarene high pressure systems) maintained their strengths. With the observed setting, the zonal arm of the Inter-Tropical Convergence Zone (ITCZ) slightly shifted south wards within the northern hemisphere in the Great Horn of Africa. On the other hand, Sea Surface Temperature (SST) patterns persisted whereby cool SSTs were observed over the Eastern Atlantic Ocean closer to Angola coast while neutral to warm SSTs were observed in the North-West Indian Ocean (closer to Somali coast) and South-Western Indian Ocean close to East Africa coast.

RAINFALL SUMMARY DURING SEPTEMBER 21-30, 2015

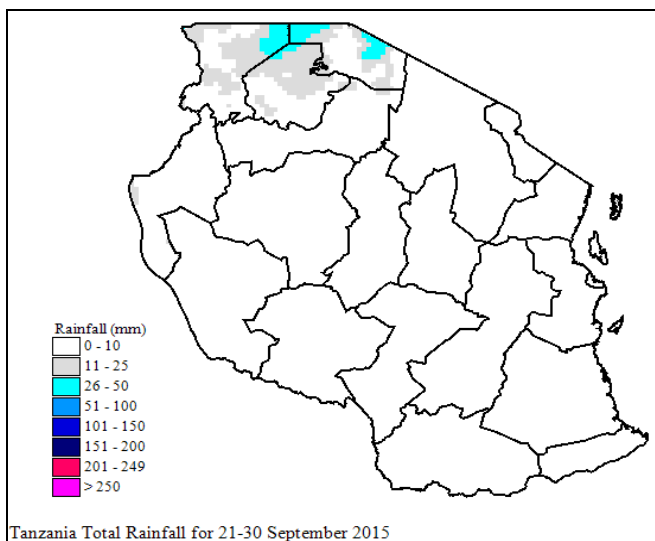


Figure 1: Total rainfall distribution in Tanzania during September 21-30, 2015

In view of the observed synoptic conditions, some places over the bimodal area started experiencing *vuli* rainfall particularly in Kagera, Mwanza and Mara regions. However the rest country continued to experience dry conditions as shown in Figure 1, which is Satellite Rainfall Estimates merged with gauge data from Tanzania rainfall stations network showing total rainfall distribution in the country during the dekad .

TEMPERATURE CONDITIONS DURING SEPTEMBER 21-30, 2015

Cool to moderate temperature conditions prevailed across the country.

AGROMETEOROLOGICAL SUMMARY DURING SEPTEMBER 21-30, 2015

During the period, farmers in many places of the bimodal areas were engaged in land preparation for *vuli* season, as reported from Sengerema and Magu districts (Mwanza region), Muheza district (Tanga region), Tarime district (Mara region) and Bukoba in Kagera region. Pasture was moderate in many places of the country except in semi-arid areas particularly Dodoma, Singida and parts of Manyara regions where it was low. However, water for livestock and wildlife continued to decrease across the country due to the prevailing dry conditions.

HYDROLOGICAL CONDITIONS DURING SEPTEMBER 21-30, 2015

Water levels in dams and river flow discharges were low due to the prevailing dry conditions.

EXPECTED SYNOPTIC CONDITIONS DURING OCTOBER 1-10, 2015

During this ten days period, high pressure systems in the northern hemisphere are expected to continue intensifying while their counterparts in the southern hemisphere are expected to relax. This situation will continue pushing the ITCZ south wards from its current position in the northern hemisphere. However, SSTs patterns are expected to persist whereby warm SSTs are expected over South-West and Central Indian Ocean, neutral to warm SSTs are expected in the North-West Indian Ocean (closer to Somali coast) and cool SSTs are expected over Atlantic Ocean closer to Angola coast. With this setting, areas around Lake Victoria basin, north-eastern highlands and the coast are likely to feature wet conditions. However, most parts of the country will continue to experience mainly dry conditions.

EXPECTED WEATHER DURING OCTOBER 1-10, 2015

Lake Victoria Basin (Kagera, Mwanza, Mara, Geita, Simiyu and Shinyanga regions): rain showers and thunderstorms are expected over some areas; the rains are expected to be normal to above normal. Northern coast (Dar es Salaam, Morogoro and Tanga regions, the isles of Unguja and Pemba): rains showers over few areas are expected; rains are expected to be normal to above normal. North-eastern highlands (Kilimanjaro, Arusha and Manyara regions): few rain over few areas is expected; the rains are expected to be normal. Western regions (Kigoma and Tabora regions): Mainly dry conditions except northern parts of Kigoma region where rain-shower associated with thunderstorms are expected (rains are expected to be normal to above normal). South-western highlands (Rukwa, Iringa and Mbeya regions): mainly dry conditions with occasional periods of rain showers over few areas are expected. Central areas (Dodoma and Singida regions), Southern coast (Mtwara and Lindi regions) and Southern region (Ruvuma region): mainly dry conditions are expected.

AGROMETEOROLOGICAL OUTLOOK AND ADVISORY DURING OCTOBER 1-10, 2015

With the expected rains over the bimodal area during October 1-10, 2015, farmers are advised to finalize land preparation and get ready for planting as soon as soil moisture is adequate to support seed germination. Farmers are also advised to seek professional advice from Agricultural Extension Officers in their localities.

HYDROLOGICAL OUTLOOK DURING OCTOBER 1-10, 2015

During October 1-10, 2015, water levels in dams and river flow are expected to continue decreasing over most parts of the country mainly unimodal areas of the country.

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