

DEKADAL WEATHER REVIEW

HIGHLIGHT

- Normal seasonal dry conditions continued to prevail over most areas of the country during *August 21-31, 2015*.
- The expected dry conditions in the country during September 1-10, 2015 will cause a further decrease in pasture and water for livestock and wildlife in some areas particularly semi-arid zones.

No: 35. 2014/15 Cropping Season

Review for August 21-31, 2015 and Outlook for September 1-10, 2015

SYNOPTIC SUMMARY DURING AUGUST 21-31, 2015

During August 21-31, 2015, the pressure systems in the northern hemisphere (Azores and Siberia) as well as their counterparts in the southern hemisphere (St. Hellena and Mascarene high pressure systems) maintained their strengths thus maintaining the Inter-Tropical Convergence Zone (ITCZ) in the northern hemisphere. Similarly, 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).

WEATHER (RAINFALL) SUMMARY DURING AUGUST 21-31, 2015

In view of the observed synoptic conditions, the country experienced mostly seasonal dry conditions.

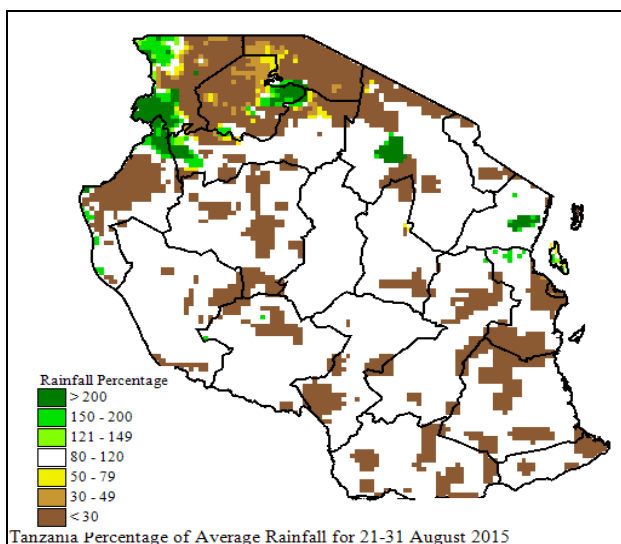


Figure 1: Rainfall performance during August 21-31, 2015 as percentage of long term average.

Figure 1 is Satellite Rainfall Estimates merged with gauge data from Tanzania rainfall stations network showing rainfall distribution in the country during the dekad as percentage of long term average whereby mostly normal to below normal rainfall performance was observed over most of the country except some areas over Lake Victoria basin and pocket areas over north-eastern highlands, northern coast, western regions and south-western highlands that received above normal off-seasonal rainfall.

AGROMETEOROLOGICAL SUMMARY DURING AUGUST 21-31, 2015

During August 21-31, 2015, the observed seasonal dry conditions were favorable for drying and storage of cereal crops. Pasture was moderate in many areas but was poor in semi-arid areas of the country including Dodoma, Singida, Simiyu, Manyara and Arusha regions. Water for livestock on the other hand was low across the country due to the prevailing seasonal dry conditions.

HYDROLOGICAL CONDITIONS DURING AUGUST 21-31, 2015

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

ENVIRONMENTAL CONDITIONS DURING AUGUST 21-31, 2015

During August 21-31, 2015 cool temperature conditions continued to prevail across the country, especially during the night.

EXPECTED SYNOPTIC CONDITIONS DURING SEPTEMBER 1-10, 2015

During September 1-10, 2015, both the northern and southern hemisphere high pressure systems are expected maintain their strengths thus maintaining the ITCZ in the northern hemisphere. SST patterns are also expected to persist whereby Warm SSTs are expected over South-West Indian Ocean (East African coast) and Central Indian Ocean, cool SSTs are expected, over Atlantic Ocean closer to Angola coast while neutral to warm SSTs are expected in the North-West Indian Ocean (closer to Somali coast). This setting will influence dry conditions over most parts of the country, except the Lake Victoria basin, north-eastern highlands and the coast where isolated wet condition are likely. Nights are expected to be dominated by clear sky and slightly cool temperatures.

EXPECTED WEATHER DURING SEPTEMBER 1-10, 2015

Lake Victoria Basin (Kagera, Mwanza, Mara, Geita, Simiyu and Shinyanga regions): few rain showers and thunderstorms over few areas. North-eastern highlands (Kilimanjaro, Arusha and Manyara regions): few light rains over few areas. Northern coast (Dar es Salaam, Morogoro and Tanga regions, the isles of Unguja and Pemba): mainly dry conditions with isolated light rains over few areas. Western regions (Kigoma and Tabora regions) and central areas (Dodoma and Singida regions): mainly dry conditions. South-western highlands (Rukwa, Iringa and Mbeya regions): mainly dry conditions with occasional periods of rain showers over few areas. Southern Coast (Mtwara and Lindi regions): mainly dry conditions with few periods of light rain showers over few areas. Southern region (Ruvuma region): mainly dry conditions with few periods of rain showers over few areas. Cold nights are expected to continue during the period.

AGROMETEOROLOGICAL OUTLOOK AND ADVISORY DURING SEPTEMBER 1-10, 2015

During September 1-10, 2015, the expected seasonal dry conditions over much of the country will cause a decrease in pasture and water for livestock especially in semi-areas of the country. Pastoralists are therefore advised to seek professional advice from Livestock Extension Officers in their localities on how to cope with shortage of pasture and water.

HYDROLOGICAL OUTLOOK DURING SEPTEMBER 1-10, 2015

During September 1-10, 2015, a further decrease in water levels in dams and river flow discharges is expected over most parts of the country.

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