



## DEKADAL WEATHER REVIEW

No: 30: 2017/18 cropping season

Review for July 21-31 and Outlook for August 01-10, 2018

### HIGHLIGHTS

- The expected dry conditions will be favorable for crop harvesting, drying and storage, and it may lead to further declining in water and pastures for livestock.
- The expected light rain showers in some areas are not suitable for planting seasonal crops
- Livestock keepers are advised to make good use of the available water and pastures.
- Farmers are advised to store surplus to avoid food scarcity, especially in areas where harvesting activities have been finalized.

### SYNOPTIC SUMMARY DURING JULY 21-31, 2018

### AGROMETEOROLOGICAL SUMMARY DURING JULY 21-31, 2018

The northern high pressure system (Azores and Siberian) relaxed while the southern high pressure systems (St. Helena and Mascarene) remained intense. The position of Inter Tropical Convergence Zone (ITCZ) was further north off the country. Over the south west Indian Ocean Sea Surface temperatures (SSTs) were neutral to cool, resulted into no cyclonic activities. The dominant wind flow pattern was southerly to south easterly over the most parts of the country. The southeast Atlantic Ocean (near Angola coast) SSTs was neutral to slight warm resulted into less westerly wind flow over the western parts of the country thereby reducing rainfall making mechanism over the western sector of the country.

During the period under review, most parts of the unimodal and bimodal rainfall regimes were finalizing maize harvesting activities expect in Iringa, Mbeya, Singida, Rukwa, Mara, Morogoro, Simiyu and Kilimanjaro regions. Similarly, farmers in bimodal areas were finalizing paddy and cotton harvesting activities.

Water and pasture were in good condition over much of the country except in Dodoma and Tabora where there was a slight decrease.

### RAINFALL PERFORMANCE DURING JULY 21-31, 2018

### HYDROLOGICAL CONDITIONS DURING JULY 21-31, 2018

During the ten days (dekad), the country was generally dry except a few areas in northern highlands, northern coast and Lake Victoria basin areas that recorded out of season rainfall less than 25 mm.

Water levels in dams and river flow discharges were moderate across the country and good over Lake Victoria and Pangani basins.

### EXPECTED SYNOPTIC CONDITIONS DURING AUGUST 01-10, 2018

The Azores and Siberian highs are expected to relax further while the St. Helena and Mascarene highs are expected to remain intense. This is expected to keep the ITCZ further north thereby influencing southerly to south easterly low level winds over the country. SSTs over the south west Indian Ocean are expected to be neutral to slight warm hence reducing the possibility of occurrence of tropical cyclones. The dominant wind flow pattern is expected to be southerly to southeasterly which will enhance cooler temperatures over most parts of the country. Periods of easterly waves are expected to continue influencing weather over the coastal areas. The southeast Atlantic Ocean (near Angola coast) SSTs is expected to be neutral to slight warm which is expected to cause less westerly wind flow, hence suppress precipitation making mechanism over the western part of the country

### EXPECTED WEATHER CONDITIONS DURING AUGUST 01-10, 2018

In view of the expected synoptic conditions Lake Victoria Basin (Kagera, Geita, Shinyanga, Mwanza, Simiyu and Mara regions) are expected to have thunder and showers over few areas.

Northeastern highlands (Arusha, Manyara and Kilimanjaro regions), Southern Coast (Mtwara and Lindi regions) and Northern coast (Tanga, Northern part of Morogoro, Pwani and Dar es Salaam regions together with isles of Unguja and Pemba) are expected to have light showers over few areas.

Western regions (Kigoma, Katavi and Tabora regions) and Central areas (Dodoma and Singida regions) are expected to have partly cloudy conditions.

Southwestern highlands (Rukwa, Songwe, Mbeya, Njombe and Iringa regions) and Southern region (Ruvuma and Southern part of Morogoro regions) are expected to have mainly partly cloudy conditions.

### AGROMETEOROLOGICAL OUTLOOK AND ADVISORY DURING AUGUST 01-10, 2018

The expected dry conditions are likely to favor crop drying, harvesting and storage, and 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 pasture. Farmers are also advised to store surplus to avoid food scarcity, specifically in the areas where harvesting activities have been finalized. For the areas expecting out of seasonal rain showers, farmers are advised not to use for planting seasonal crops such as maize. Farmers, fishers and livestock keepers are advised to consult extension officers for optimal use of this forecast and advisory.

### HYDROLOGICAL OUTLOOK AND ADVISORY DURING AUGUST 01-10, 2018

Water levels in dams and river flow discharges are expected to remain moderate. Water users are advised to use available water sparingly for sustainable water use.

Prepared by

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