



## DEKADAL WEATHER REVIEW

No: 29: 2017/18 cropping season

Review for July 11-20 and Outlook for July 21-31, 2018

### HIGHLIGHTS

- The expected dry conditions are likely to favor crop drying, harvesting and storage.
- Farmers are advised to have surplus to avoid food scarcity, especially in areas with harvesting activities.
- On going out of seasonal rainfall which continues in some areas are not suitable for planting seasonal crops

### SYNOPTIC SUMMARY DURING JULY 11-20, 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. There were high pressure system along the south eastern coast of Africa which resulted into high pressure gradient and strong winds over most parts of 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 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.

### RAINFALL PERFORMANCE DURING JULY 11-20, 2018

During the ten days (dekad), the country was generally dry except a few areas in northern highlands, northern coast and some parts of Lake Victoria that recorded out of season rainfall less than 30 mm.

### AGROMETEROLOGICAL SUMMARY DURING JULY 11-20, 2018

During the period under review, in unimodal areas maize crop was reported to be at full ripeness to harvesting stage in Njombe, Mbeya and Iringa, on the other hand Ruvuma, Mtwara, Dodoma and Rukwa are finalizing harvesting activities. Wheat was at wax- ripeness to full ripeness in Iringa, Njombe and Mbeya regions.

In most parts of bimodal rainfall regime maize crop was at full ripeness, while in Simiyu, Tanga, Moshi, Pwani and Mara regions harvesting activity is in progress.

Mbeya, Ruvuma, Tabora, Kigoma, Morogoro, Pwani, Simiyu and Shinyanga regions were finalizing paddy harvesting.

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

### HYDROLOGICAL CONDITIONS DURING JULY 11-20,2018

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 JULY 21-31, 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 southeasterly low level winds over the country. SSTs over the south-west Indian Ocean are expected to be neutral to cool 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 result into less westerly wind flow, hence suppress precipitation making mechanism over the western sector of the country.

### EXPECTED WEATHER CONDITIONS DURING JULY 21-31, 2018

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

Northeastern highlands (Arusha, Manyara and Kilimanjaro regions), Northern coast (Tanga, Northern part of Morogoro, Pwani and Dar es Salaam regions together with isles of Unguja and Pemba) and Southern coast (Mtwara and Lindi regions) 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 JULY 21- 31, 2018

The expected dry conditions are likely to favor crop drying, harvesting and storage. Farmers are advised to have surplus to avoid food scarcity, specifically in the areas where harvesting activities are carried out.

Water and pasture conditions are expected to be in a good condition across the country especially in northern coast, northeastern highlands and southern coast areas where out of seasonal rainfall are expected, however farmers are advised not to use ongoing out of season rainfall 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 JULY 21-31, 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.

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