

HIGHLIGHTS

- During the dekad, farmers in the unimodal areas were mostly engaged in planting activities while weeding was the major activity over the bimodal areas
- Farmers and livestock keepers are advised to continue with routinely farming activities and seek professional advice from agricultural and livestock extension officers in their localities.

SYNOPTIC SUMMARY DURING NOVEMBER 11-20, 2020

During this dekad the southern high pressure systems were relaxed while the northern high pressure systems slightly intensified. This condition favored the intrusion of the Intertropical Convergency Zone (ITCZ) from northern parts of equator to some areas of the northern sector of the country. Meanwhile, the warm Sea Surface Temperatures (SSTs) over the south west of Indian Ocean were neutral to warm condition. This was likely to maintain the advection of moist southeasterly to easterly winds towards the coastal belt. Persistent of slightly cool SSTs over the southeast Atlantic Ocean were observed, and continue to support the advection of moist winds from Congo basin towards some areas of the western sector of the country including Lake Victoria basin.

RAINFALL PERFORMANCE DURING NOVEMBER 11 - 20, 2020

Generally, rainfall ranging between 26 mm to 200 mm was observed over most part of the country except in few areas of Ruvuma, south Morogoro, Lindi, Mtwara, Iringa, Arusha and Kilimanjaro which recorded low amounts of rainfall. However, few areas of Mwanza, Mara, Simiyu, Shinyanga, Tabora, Katavi, Morogoro, Pwani and Tanga regions featured with more than 200 mm as shown in Figure 1.

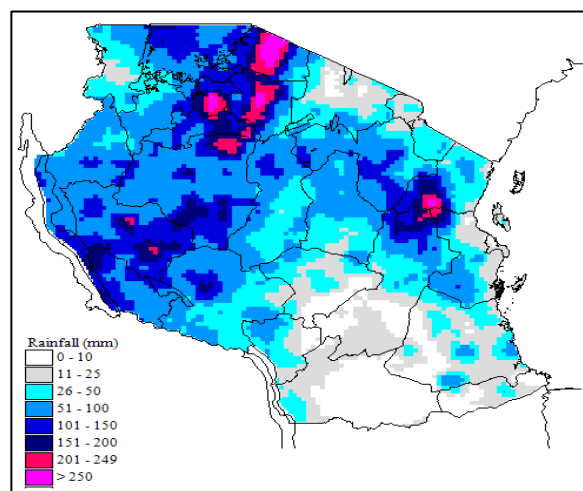


Figure 1: Total rainfall for the period of November 11-20, 2020

AGROMETEOROLOGICAL SUMMARY DURING NOVEMBER 11 - 20, 2020

Improved soil moisture condition was experienced in most areas of the country. Farmers in bimodal areas were mostly engaged with weeding activities for early-planted crops while planting was the main activity in unimodal areas. Maize and beans are at flowering stage over some areas in Kagera region. Pastures and water availability for livestock and wildlife were improving over most parts of the country.

HYDROMETEOROLOGICAL CONDITIONS DURING NOVEMBER 11 - 20, 2020

Water levels in dams and river flow discharge slightly increased over Lake Victoria, Pangani and Tanganyika basins due to an ongoing rainfall experienced over those areas.

EXPECTED SYNOPTIC CONDITIONS DURING NOVEMBER 21-30, 2020

The northern high pressure systems are expected to continue intensifying while the southern high pressure are expected to relax and continue to drive the movement of the ITCZ towards southern hemisphere. The warm SSTs over the southwest Indian Ocean is expected to be neutral to warm condition. This is likely to maintain the advection of moist southeasterly to easterly winds towards the coastal belt especially on the second half of the dekad. Persistent of slightly cool SSTs over the southeast Atlantic is expected to foster the advection of moist winds from Congo basin towards some areas of the western part of the country, southwestern highland and Lake Victoria basin.

EXPECTED WEATHER CONDITIONS DURING NOVEMBER 21 - 30, 2020

Areas over southwestern highlands (Rukwa, Songwe, Mbeya, Njombe and Iringa), southern region (Ruvuma and southern part of Morogoro), southern coast (Mtwara and Lindi) are expected to feature rain shower especially on the second half of the dekad.

Northeastern highlands regions (Arusha, Manyara and Kilimanjaro) and central areas (Dodoma and Singida regions) are expected to experience rain showers.

Areas around Lake Victoria (Kagera, Geita, Shinyanga, Mwanza, Simiyu and Mara) and western regions (Kigoma, Katavi and Tabora) are expected to feature thundershowers.

The northern coast (Tanga, northern part of Morogoro, Pwani and Dar es Salaam regions together with isles of Unguja and Pemba) are

expected to feature rain showers with isolated cases of thunderstorm over few areas.

AGROMETEOROLOGICAL OUTLOOK AND ADVISORY DURING NOVEMBER 21-30, 2020

The expected rainfall conditions over bimodal and unimodal areas will be favorable for improving soil moisture condition for crops and pastures. Farmers are advised to continue with routinely farm activities while consulting agriculture extension officers for management of their farms and optimal use of the agriculture inputs. Livestock keepers are also advised to seek professional advice to protect their animals against diseases and other impacts related to increase or reduced rainfall.

EXPECTED HYDROMETEOROLOGICAL CONDITIONS DURING NOVEMBER 21-30, 2020

Water levels in dams and river flow discharge are expected to slightly increasing over most parts of the country especially over areas around Lake Victoria, Pangani and Tanganyika basins. Water users are advised to strengthen their water harvesting infrastructures and fishponds and take precautionary measures against floods that may occur due to excessive water in rivers.

Prepared by

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