

WEATHER SUMMARY FOR MAY, 2022 AND WEATHER OUTLOOK FOR JUNE, 2022

Highlights of weather summary for May and outlook for June, 2022:

This statement summarizes the current state of climate systems and associated weather observed during the month of May, 2022 and subsequently outlook of climate systems especially temperature distribution for the month of June, 2022 over the country.

- During the month of May, 2022 few areas of bimodal continued to receive *Masika* rains. However, short periods of heavy rains were observed over few areas of northern coast.
- The month of June, 2022 is expected to mark the start of Kipupwe (June-August), 2022 season where by minimum temperatures are expected to drop over most areas of the country. Periods of strong winds are also likely over some areas particularly the coastal areas. However, light to moderate rainfall activities is expected over few areas of the coast belt and Lake Victoria basin.

1.0 REVIEW OF MAY, 2022 WEATHER.

During the month of May, 2022 few areas of bimodal continued to receive *Masika* rains. However, short periods of heavy rains were observed over few areas of northern coast. On 05th May, 2022 Matangatuani station in Pemba Island recorded 68.5mm of rainfall. On the other hand, episodes of strong wind have been experienced during the month especially over the coastal areas.

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2.0 OUTLOOK FOR JUNE, 2022

2.1 WEATHER AND CLIMATE SYSTEMS

During the month of June, 2022 persistence of cooler than normal sea surface temperature (SST) over the Central Equatorial Pacific Ocean (CEPO) is expected. Normal SSTs are likely over the western Indian Ocean while over the eastern Indian ocean, slightly warmer than normal SSTs is anticipated. This condition is likely to reduce moisture influx towards the coastal areas. However, cooler than normal SSTs are expected to persist off Angola coast, and therefore may trigger the flow of moisture rich westerly winds towards the Lake Victoria basin and western part of the country. Southern high-pressure systems are expected to continue intensifying thus allow rainfall making mechanism (ITCZ) to continue shifting towards the north (off the country) but may result to cold air advection from the southern tip of Africa.

2.2 WEATHER OUTLOOK FOR JUNE, 2022

Generally, most parts of the country are expected to experience normal to warmer than normal minimum temperatures. However, slightly cooler than normal minimum temperatures are anticipated over the high grounds especially during the night and early morning. Otherwise, few periods of light to moderate rainfall activities are expected over few areas of the coastal belt and Lake Victoria Basin. On other hand, episodes of strong wind are expected over some areas during the month. Details of weather outlook are as follows.

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Northern Coast (Tanga, Pwani, Dar es Salaam regions, northern sector of Morogoro region, Mafia, Unguja and Pemba Islands):

Minimum temperatures are expected to range from 20°C to 26°C for the coastal strips and isles but ranging between 16°C to 22°C over the hinterlands. On the other hand, mainly dry conditions with light to moderate rainfall activities are likely over few areas of coastal strip between the first and second weeks of the month.

North Eastern Highlands (Kilimanjaro, Arusha and Manyara regions):

Minimum temperature ranging between 10 °C and 14 °C is expected over much areas of the region. However, over the high ground areas cold condition with minimum temperature below 10 °C is expected at times. Also, dry conditions with light to moderate off seasonal rains are expected especially over high ground areas.

Lake Victoria basin (Kagera, Geita, Shinyanga, Mwanza, Mara and Simiyu regions):

Minimum temperature ranging between 14 °C and 20 °C is expected over most areas of the regions. However, minimum temperature below 14 °C is likely over high grounds of Kagera and Geita regions. Dry conditions are expected over most areas. On the other hand, periods of light rains are likely over few areas during the first week of the month.

Western regions (Kigoma, Katavi and Tabora regions):

Minimum temperature ranging between 14 °C and 20 °C is expected over most areas. However, dry conditions are expected over most areas. Otherwise, dry conditions are likely to be experienced over most areas.

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Central areas (Dodoma and Singida regions):

Minimum temperature ranging between 12 °C and 18 °C is expected over most areas. Dry conditions are expected with episodes of strong wind at times.

Southwestern Highlands (Rukwa, Songwe, Mbeya, Njombe, Iringa regions and Southern sector of Morogoro region):

Minimum temperature ranging between 6 °C and 14 °C is expected over most areas. However, cold condition with minimum temperature below 6 °C is expected over the high ground areas (including Njombe region). Otherwise, dry conditions are likely to be experienced over most areas.

Southern Coast (Mtwara and Lindi regions):

Minimum temperature ranging between 16 °C and 22 °C is expected over most areas. On the other hand, mainly dry conditions with light to moderate rainfall activities are likely over few areas of coastal strip between the first and second weeks of the month.

Southern Region (Ruvuma region):

Minimum temperature ranging between 10 °C and 14 °C is expected over most areas. On the other hand, over high ground areas are likely to feature minimum temperature below 10 °C. Dry conditions is expected over most areas.

2.3 FURTHER OUTLOOK FOR THE MONTH OF JULY, 2022.

During the month of July, 2022 persistence of dry and cool conditions are expected over most areas with episodes of strong wind.

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2.4 ADVISORY

Dry and windy condition is likely to increase water loss through evapotranspiration, which will in turn affect water availability for crops, livestock and other use.

Communities are therefore, advised to take precautionary measures such as use of water and protection against adverse weather to mitigate any negative impacts that may be associated with the expected weather conditions

Tanzania Meteorological Authority (TMA) advises all users of weather information including farmers, livestock keepers, wildlife conservation authorities, hydrological and health sectors to continue seeking and utilizing experts' advice on their relevant sectors.

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TANZANIA METEOROLOGICAL AUTHORITY

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