



REPUBLIC OF TÜRKİYE
MINISTRY OF ENVIRONMENT, URBANIZATION AND CLIMATE CHANGE
Turkish State Meteorological Service



State of the Climate in June 2025



Climate and Agricultural Meteorology Department
Research Department

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1. Introduction

The mean temperature of Türkiye in June 2025 was 23.0°C. This value was 1.2°C above the 1991-2020's normal (21.8°C).

In June 2025, in Kumköy, Sarıyer, İstanbul, Bozcaada, Bandırma, Yalova, Gönen (Balıkesir), Akhisar, Dalaman, Antakya, Korkuteli, Black Sea Region, Eastren Anatolia Region, S.E.Anatolia Region, Iğın, Karaman, Çumra and Eastren Central Anatolia temperatures were near seasonal normal. There were above seasonal normal temperature in other parts of Türkiye.

The lowest temperature was observed in Erzurum with -0.2 °C and the highest temperature was observed in Cizre with 45.6°C. There were 5 new extreme maximum temperature records observed in Florya, Dikili, İzmir, Seferihisar and Sinop.

Türkiye's areal mean precipitation in June 2025 was 12.5 mm. This value is approximately 63% below from the 1991-2020's normal (33.6 mm)

In June, regional precipitation was below normal in all regions. A decrease of more than 99% compared to normal was observed in Istanbul. In June, the highest precipitation was recorded in Rize with 99.0 mm and lowest recorded with 0.5 mm precipitation in Istanbul.

The number of rainy days in June 2025 in Türkiye was below normal with 3.3 days (1991-2020 normal is 6.5 days). The number of rainy days was between 10-15 days in the Ordu, Giresun, Trabzon, Rize. N. of rainy day has been reduced to one (1) day in, Marmara region, North of the Aegean, İzmir, Aydın and Elazığ.

There are 67 extreme events have been reported in June 2025 in TSMS's Kardelen Database. Percentage of extreme events in June 2025 were storm-tornado (37%), hail (25%), heavy rain-flood (22%), lightning (10%), landslide (2%), avalanche (2%) wild fire (2%).

2. Temperature

In June 2025, in Kumköy, Sarıyer, İstanbul, Bozcaada, Bandırma, Yalova, Gönen (Balıkesir), Akhisar, Dalaman, Antakya, Korkuteli, Black Sea Region, Eastren Anatolia Region, S.E.Anatolia Region, Ilgın, Karaman, Çumra and Eastren Central Anatolia temperatures were near seasonal normal. There were above seasonal normal temperature in other parts of Türkiye. (Fig.2.1)

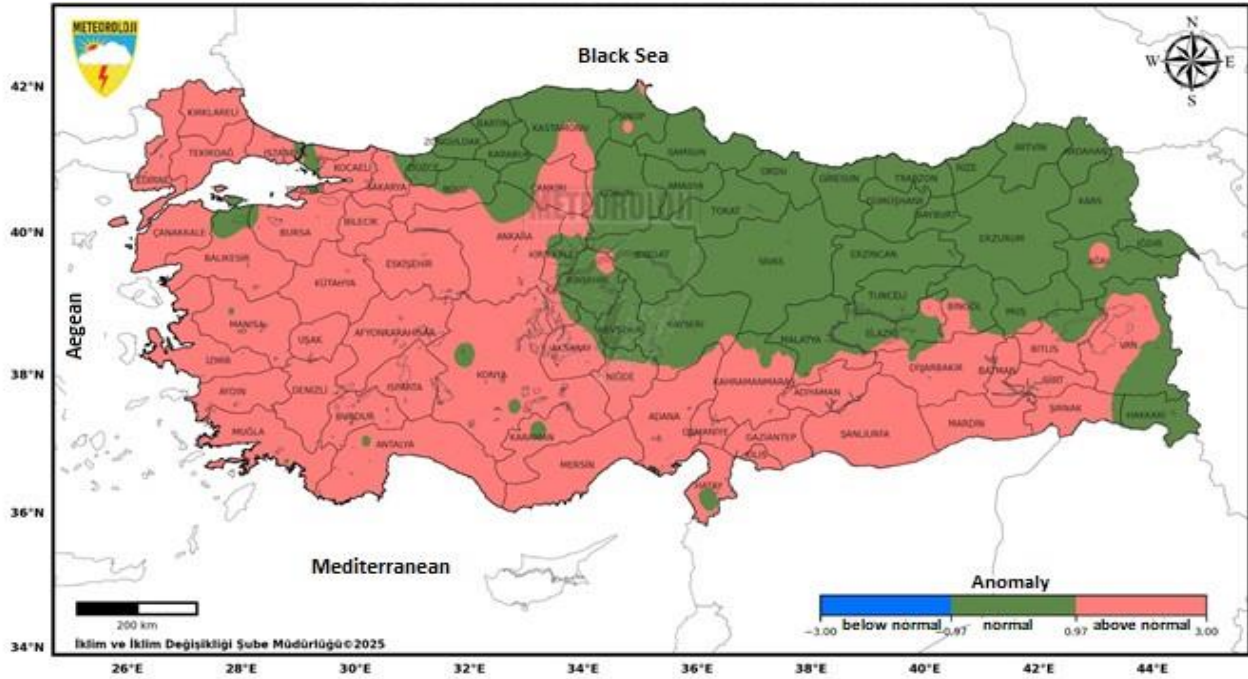


Figure 2.1 Türkiye's mean temperature anomalies in June (Fig.2.1)

The mean temperature of Türkiye in June 2025 was 23.0°C. This value was 1.2°C above the 1991-2020's normal (21.8°C). (Fig.2.2)

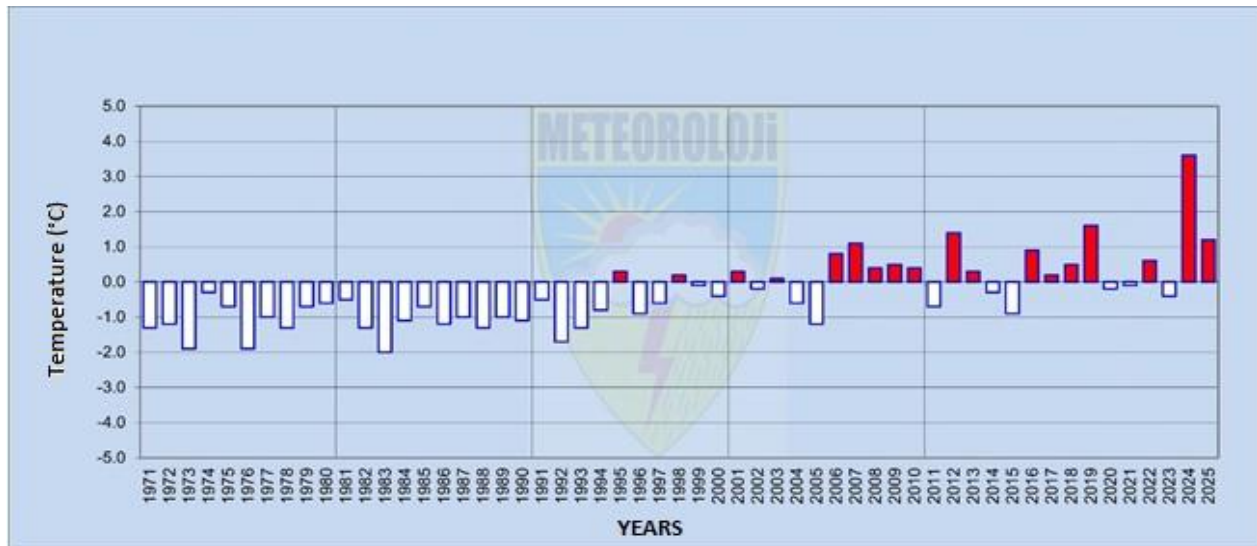


Figure 2.2 Monthly mean temperature anomalies in June (Url 1).

In June 2025, mean temperatures differences was positive in Southern Parts, Central Parts, Eastern Parts and Western Parts of Türkiye while below it in Eastern Black Sea region (Fig.2.3).

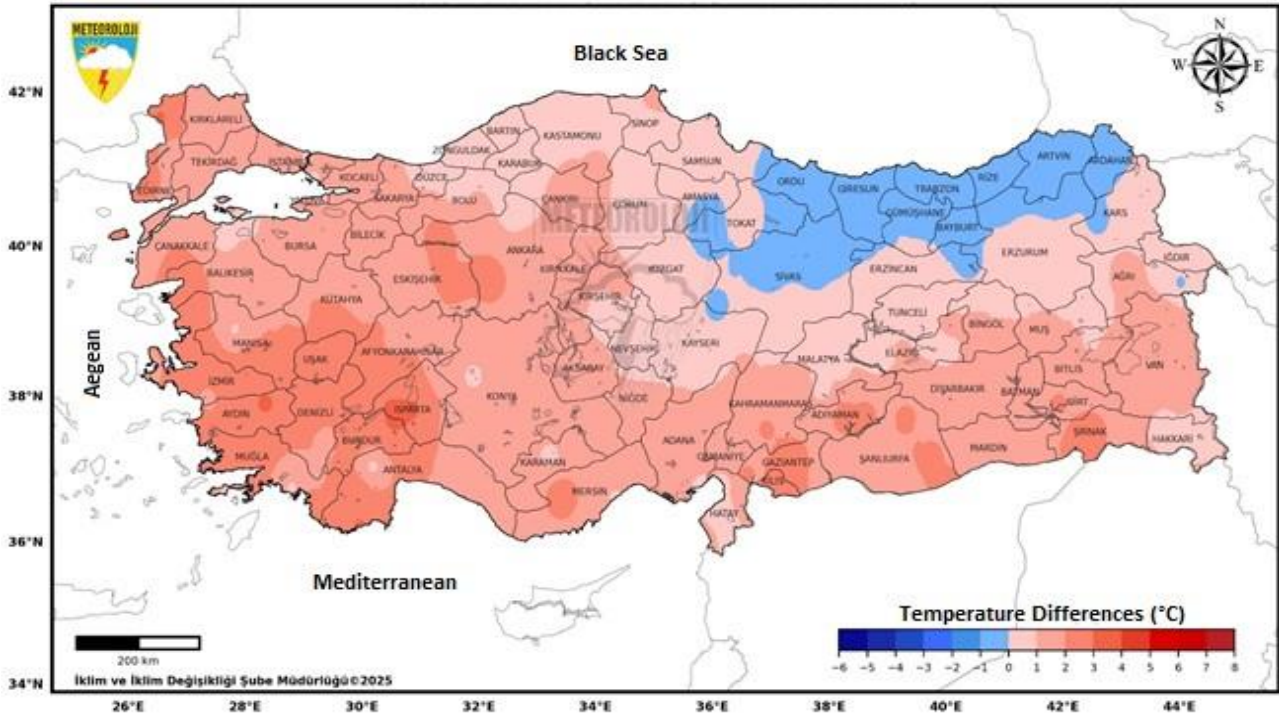


Figure 2.3. Spatial distribution of mean temperature differences in Türkiye in June 2025 (Url 1).

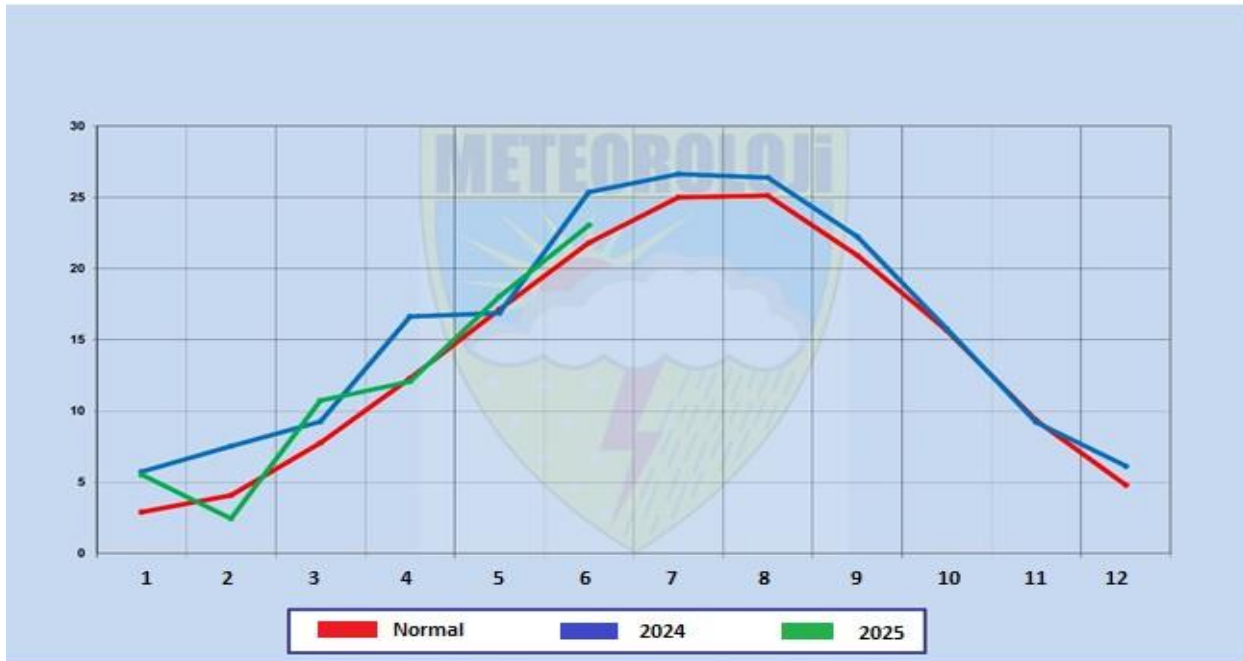


Figure 2. 4 The difference of the monthly mean temperature in 2025 from normal (1991-2020) (Url 1).

The monthly mean temperature in June was above seasonal normal.

2.1. Regional Temperature

Regional temperatures were above their normal in all regions (Fig. 2.4).

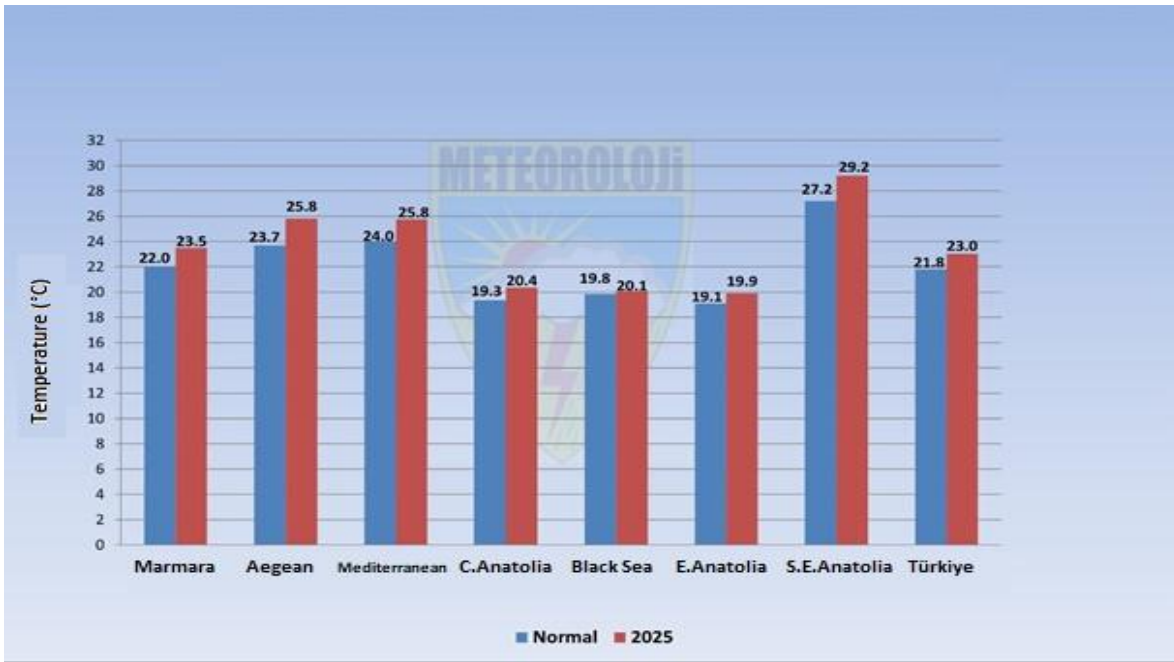


Figure 2. 4 Regional mean temperature differences in June 2025 (Url 1).

2.2. Extreme Temperature

The lowest temperature was observed in Erzurum with -0.2°C and the highest temperature was observed in Cizre with 45.6°C . There were 5 new extreme maximum temperature records observed in Florya, Dikili, İzmir, Seferihisar and Sinop.

3. Precipitation

Türkiye's areal mean precipitation in June 2025 was 12.5 mm. This value is approximately 63% below from the 1991-2020's normal (33.6 mm)(Fig. 3.1)

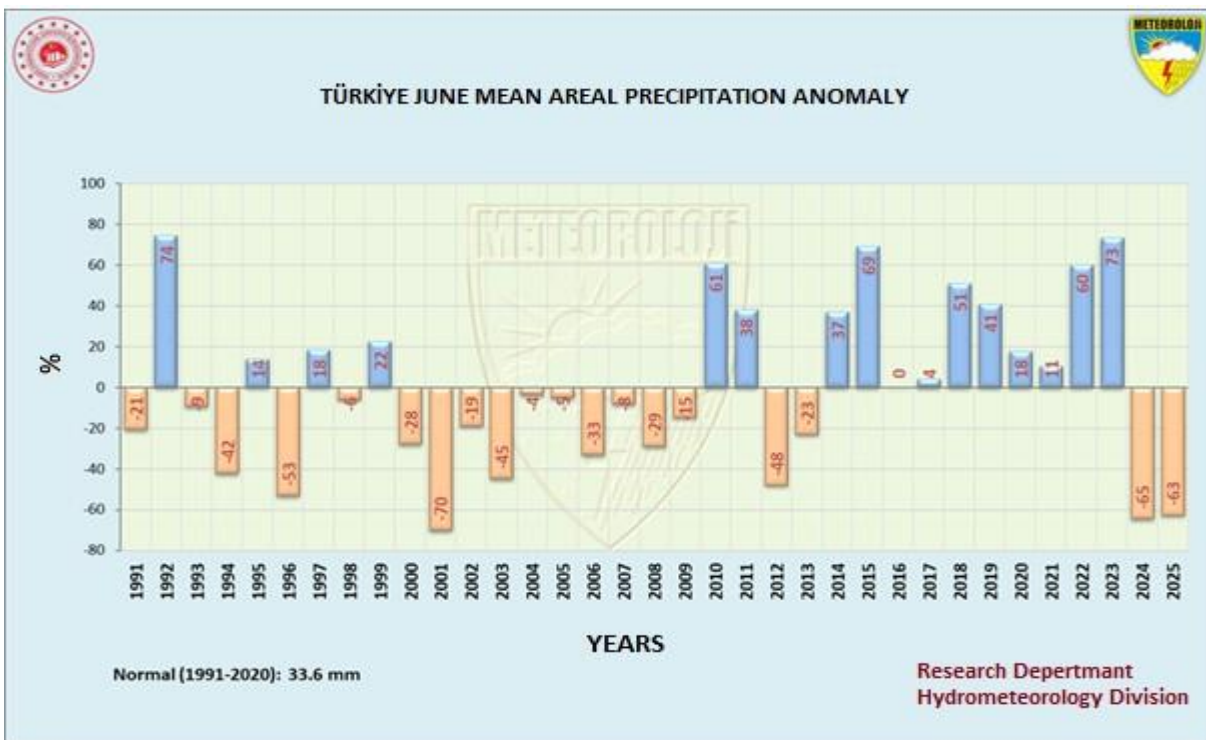


Figure 3. 1 Areal precipitation anomaly in June in Türkiye (Url 2).

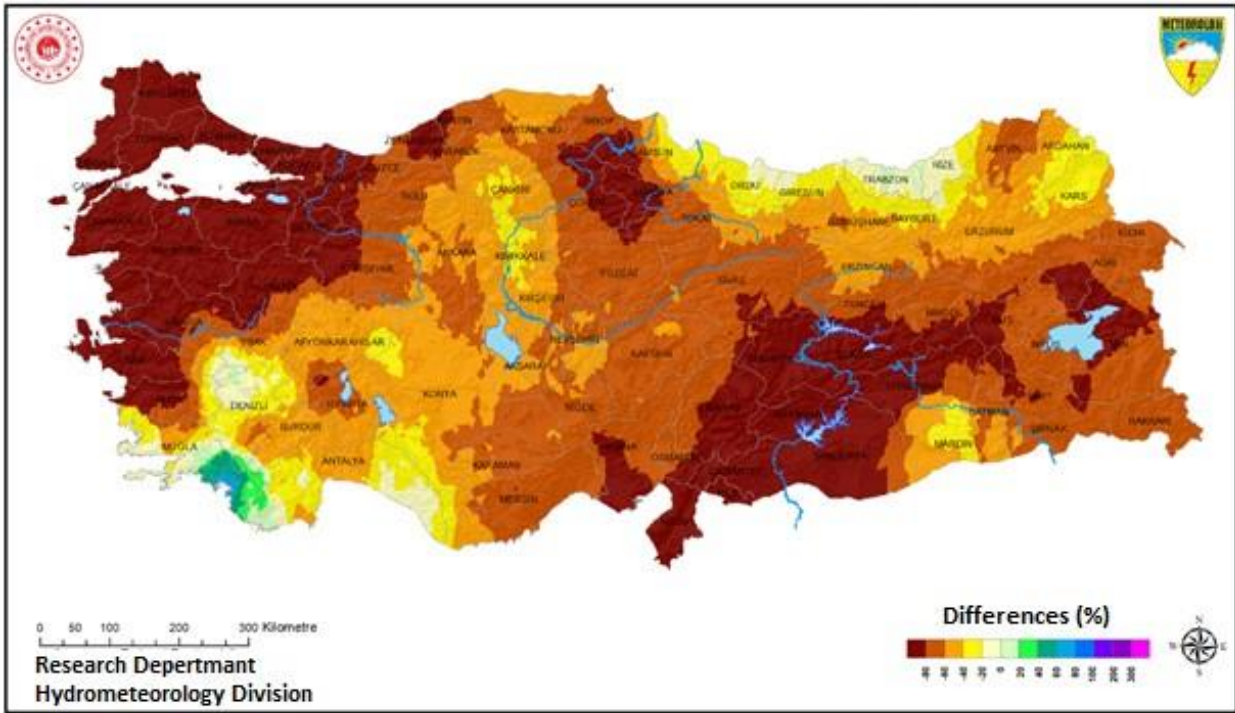


Figure 3. 2 Spatial distribution of mean precipitation anomalies in June 2025 (Url 2).

In June, regional precipitation was below normal in all regions. A decrease of more than 99% compared to normal was observed in İstanbul. In June, the highest precipitation was recorded in Rize with 99.0 mm and lowest recorded with 0.5 mm precipitation in İstanbul. (Fig. 3.2).

3.1. Regional Precipitation

In June 2025, regional precipitation, were below their normal in all regions (1991-2020) (Figure 3.3).

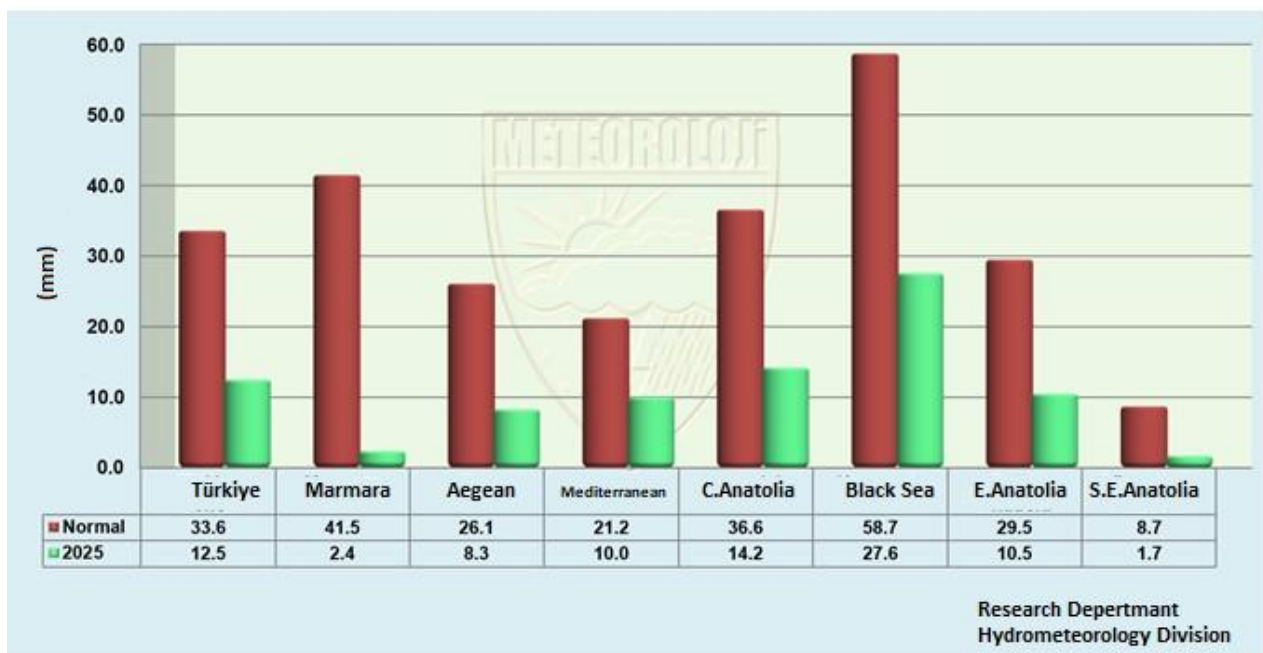


Figure 3. 3 Regional Precipitation Differences in June 2025 (Url

3.2. Rainy Days

The number of rainy days in June 2025 in Türkiye was below normal with 3.3 days (1991-2020 normal is 6.5 days). The number of rainy days were between 10-15 days in the Ordu, Giresun, Trabzon, Rize. N. of rainy day have been reduced to one (1) day in, Marmara region, North of the Aegean, İzmir, Aydın and Elazığ.(Fig. 3.4).



Figure 3. Number of rainy days in June 2025 (Url 2).

4. Extreme Meteorological Events

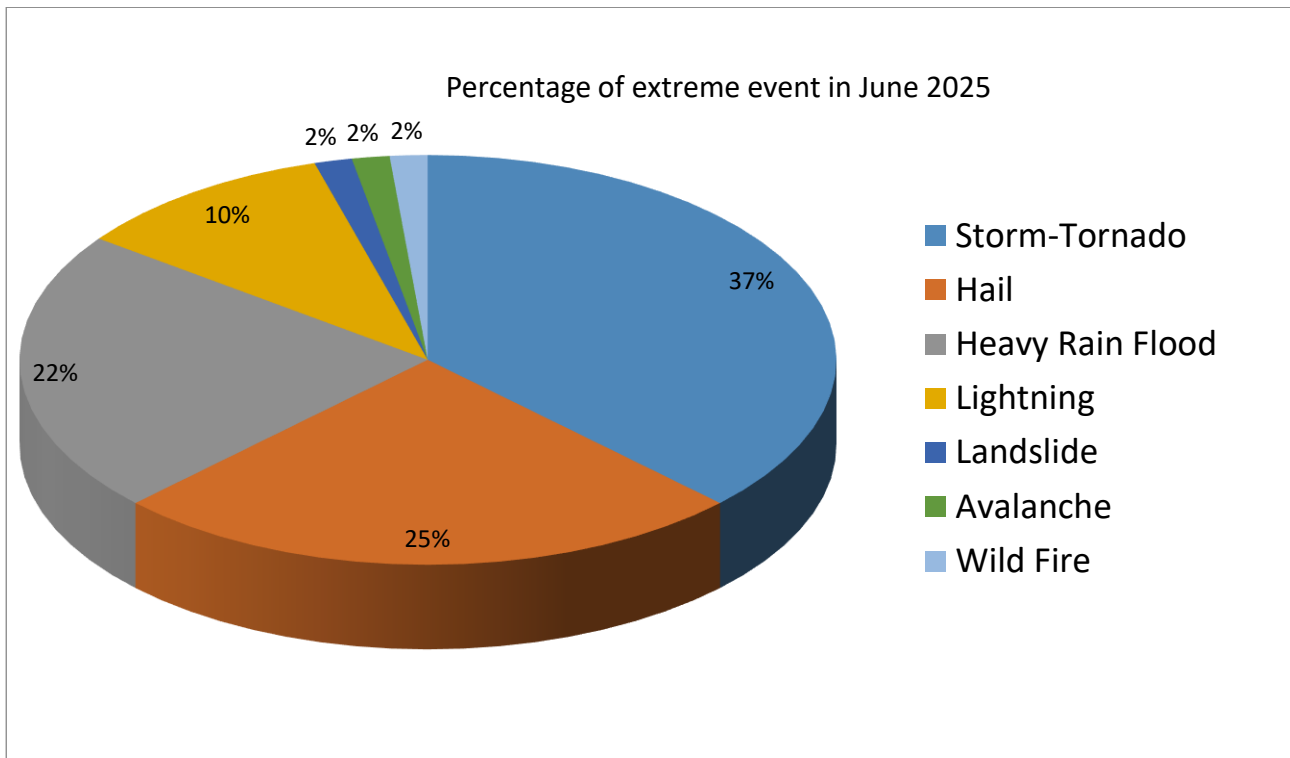


Figure 4.1. Percentage of extreme event in June 2025 (Url 3).

There are 67 extreme events have been reported in June 2025 in TSMS's Kardelen Database. Percentage of extreme events in June 2025 were storm-tornado (37%), hail (25%), heavy rain-flood (22%), lightning (10%), landslide (2%), avalanche (2%) wild fire (2%) (Fig. 4.1).

References

1. URL 1, Turkish State Meteorological Service, temperature analysis
<http://www.mgm.gov.tr/veridegerlendirme/sicaklik-analizi.aspx>
2. URL 2, Turkish State Meteorological Service, precipitation analysis
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3. URL 3, Turkish State Meteorological Service, Kardelen, meteorological extreme event database
<http://kardelen.mgm.gov.tr/BultenGenel/Klima/fevkGlnYeni.aspx>



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