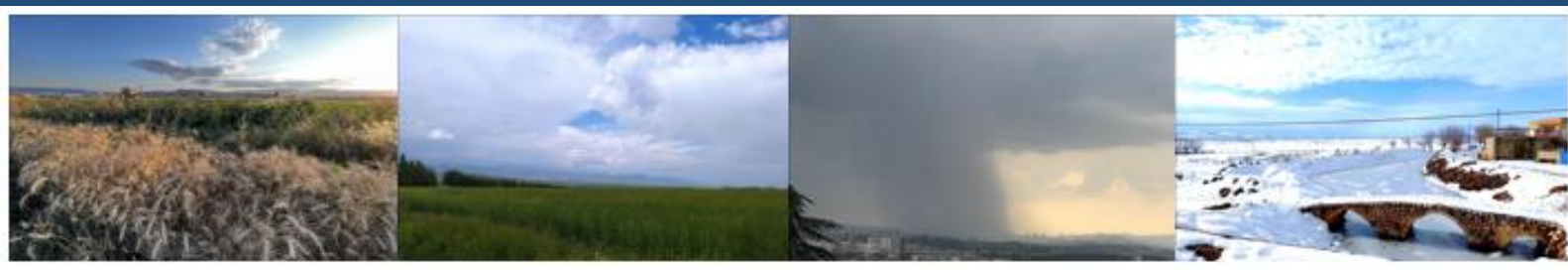




REPUBLIC OF TÜRKİYE
MINISTRY OF ENVIRONMENT, URBANIZATION AND CLIMATE CHANGE
Turkish State Meteorological Service



State of the Climate in August 2025



Climate and Agricultural Meteorology Department
Research Department

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2025

CONTENT

1. Introduction.....	1
2. Temperature	2
3. Precipitation	5
4. Extreme Meteorological Events.....	7
References	7

1. Introduction

The mean temperature of Türkiye in August 2025 was 26.5°C. This value was 1.4°C above the 1991-2020's normal (25.1°C).

In August 2025, temperatures were near seasonal normal in Marmara region, North Aegean region, Western Black Sea, Central Black Sea, Bodrum, Muğla, Datça, Dalaman, Antalya, Anamur, Antakya, Finike, Kaş, Acıpayam, Korkuteli, Sivas, Kırıkkale, Yozgat, Kırşehir, Gemerek, Cihanbeyli, Nevşehir, Zara, Rize, Artvin, Şanlıurfa, Batman, Viranşehir, Birecik and Akçakale. There were above seasonal normal temperature in other parts of Türkiye.

The lowest temperature was observed in Ardahan with 3.8°C and the highest temperature was observed in Kozan with 47.7°C. There were 12 new extreme maximum temperature records observed.

Türkiye's areal mean precipitation in August 2025 was 7.9 mm. This value is approximately 47% below from the 1991-2020's normal (14.8 mm)

In August, regional precipitation was below normal in all regions. A decrease of more than 80% compared to normal was observed in, Western Black Sea, Central Black Sea, Eastren Anatolia, Southeastren Anatolia, Edirne, İstanbul, Çanakkale, Balıkesir, Yalova, Bilecik, Kocaeli, Sakarya, Manisa, İzmir, Aydın, Muğla, Antalya, Mersin, Eskişehir, Çankırı, Yozgat and Gümüşhane. Increase of more than %60 compared to was observed in, Afyonkarahisar, Denizli, Konya, Niğde, Nevşehir, Aksaray and Karaman. In August, the highest precipitation was recorded in Rize with 121.7 mm. Batman, Mardin and Diyarbakır was the only city that did not receive any rain in August

The number of rainy days in August 2025 in Türkiye was below normal with 2.9 days (1991-2020 normal is 3.0 days). The number of rainy days were between 10-15 days in the Kastamonu, Ordu, Giresun, Trabzon, Rize and Artvin. N. of rainy day have been reduced to one (1) day in,İzmir, Aydın, Muğla, Çanakkale, Antalya, Mardin, Batman, Siirt and Şırnak.

There are 45 extreme events have been reported in August 2025 in TSMS's Kardelen Database. Percentage of extreme events in August 2025 were storm-tornado (49%), heavy rain-flood (27%), wild fire (13%), heat/cold wave (7%), lightning (2%), hail (2%).

2. Temperature

In August 2025, temperatures were near seasonal normal in Marmara region, North Aegean region, Western Black Sea, Central Black Sea, Bodrum, Muğla, Datça, Dalaman, Antalya, Anamur, Antakya, Finike, Kaş, Acıpayam, Korkuteli, Sivas, Kırıkkale, Yozgat, Kırşehir, Gemerek, Cihanbeyli, Nevşehir, Zara, Rize, Artvin, Şanlıurfa, Batman, Viranşehir, Birecik and Akçakale. There were above seasonal normal temperature in other parts of Türkiye. (Fig.2.1)

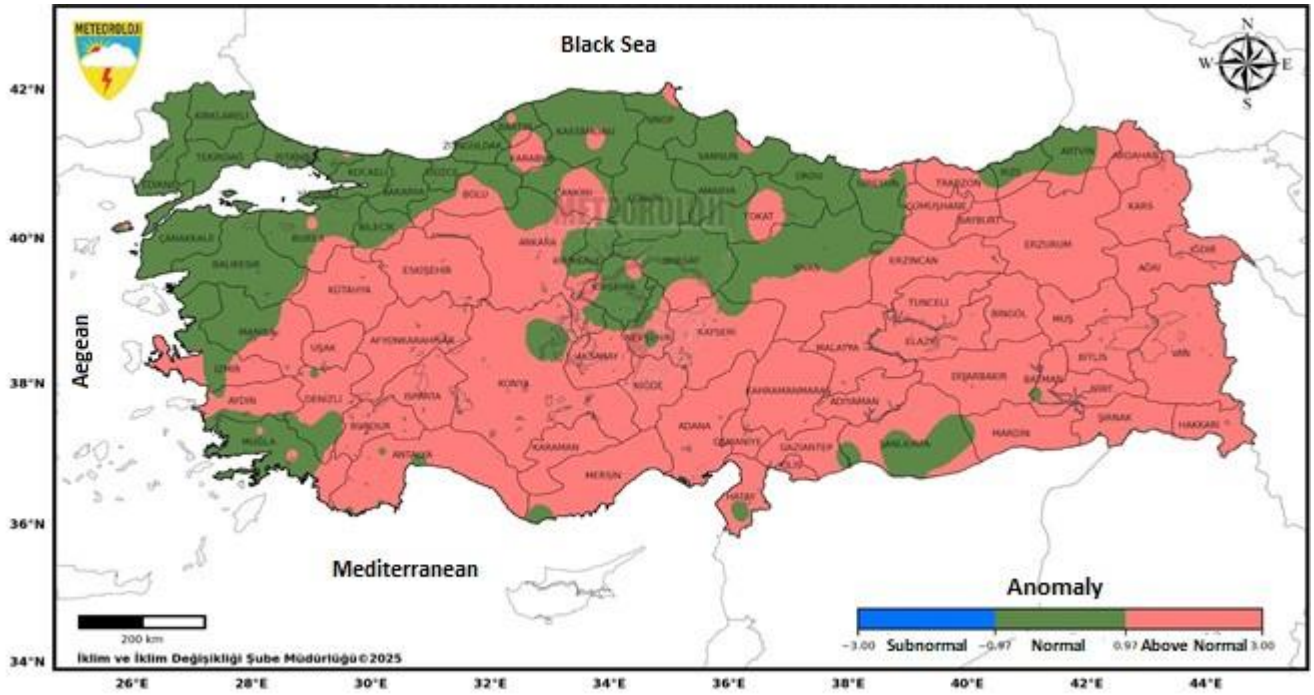


Figure 2.1 Türkiye's mean temperature anomalies in August (Fig.2.1)

The mean temperature of Türkiye in August 2025 was 26.5°C. This value was 1.4°C above the 1991-2020's normal (25.1°C)(Fig.2.2).

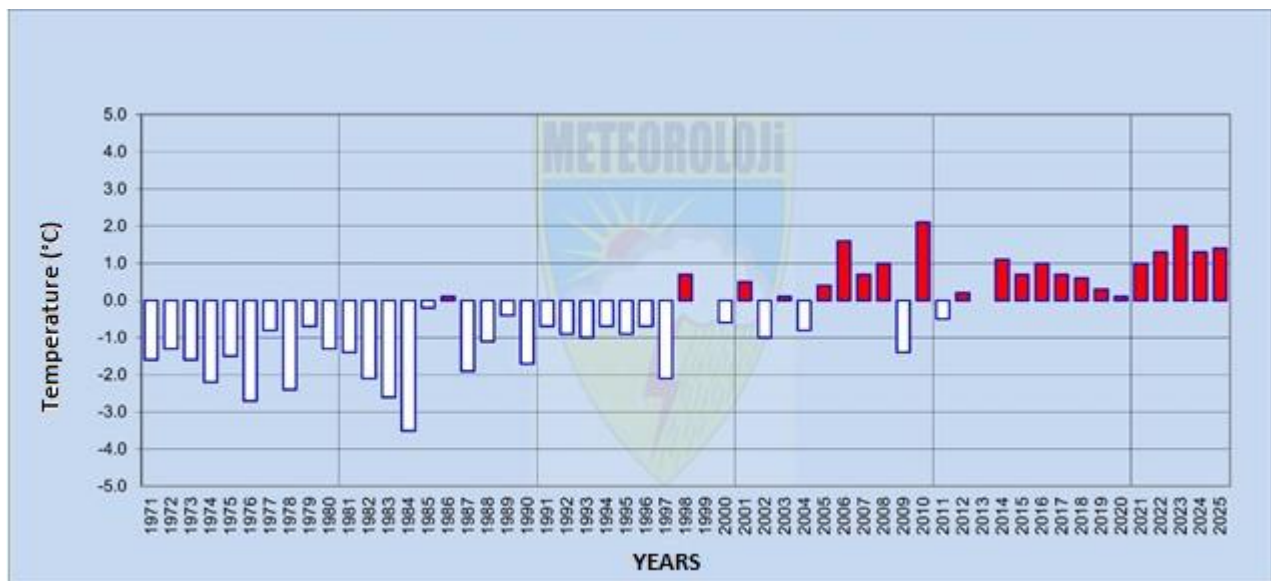


Figure 2.2 Monthly mean temperature anomalies in August (Url 1).

In August 2025, mean temperatures differences was positive in all over Türkiye (Fig.2.3).

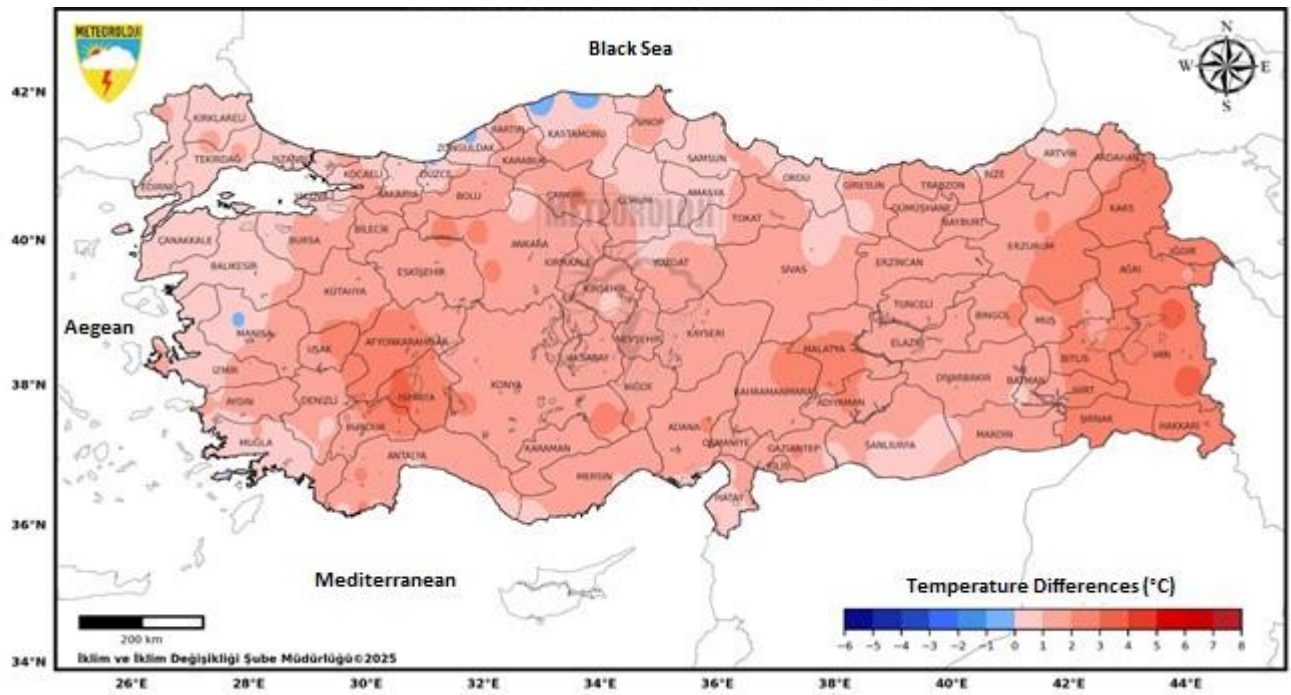


Figure 2.3. Spatial distribution of mean temperature differences in Türkiye in August 2025 (Url 1).



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

The monthly mean temperature in August 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 August 2025 (Url 1).

2.2. Extreme Temperature

The lowest temperature was observed in Ardahan with 3.8°C and the highest temperature was observed in Kozan with 47.7°C. There were 12 new extreme maximum temperature records observed.

3. Precipitation

Türkiye's areal mean precipitation in August 2025 was 7.9 mm. This value is approximately 47% below from the 1991-2020's normal (14.8 mm) (Fig. 3.1).

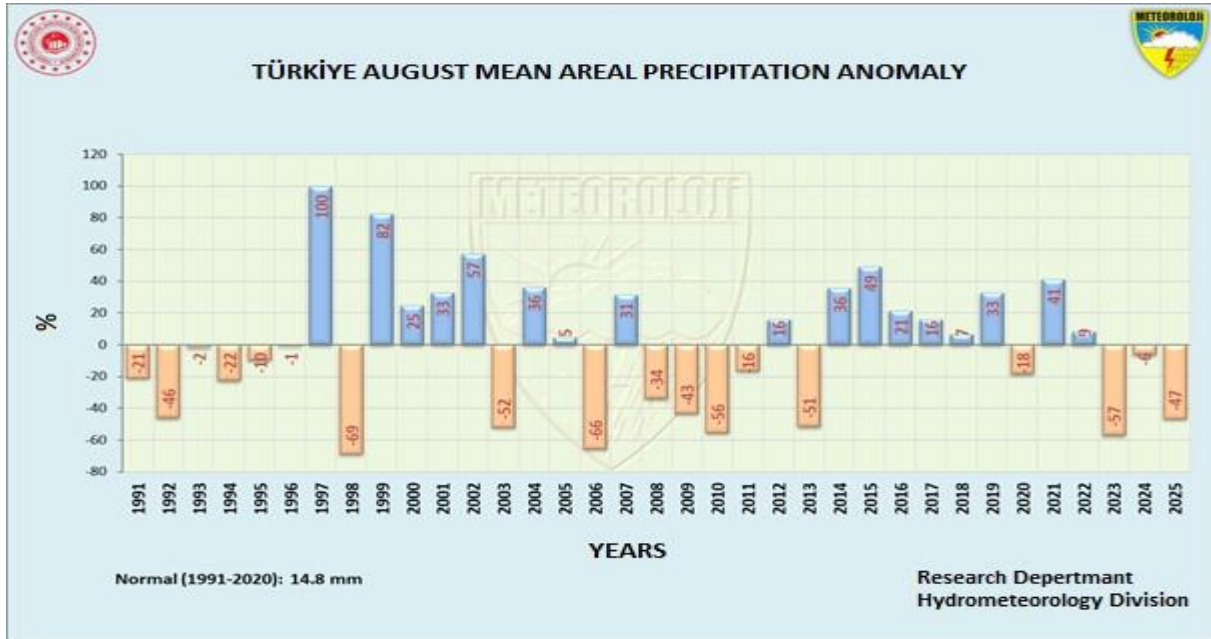


Figure 3. 1 Areal precipitation anomaly in August in Türkiye (Url 2).

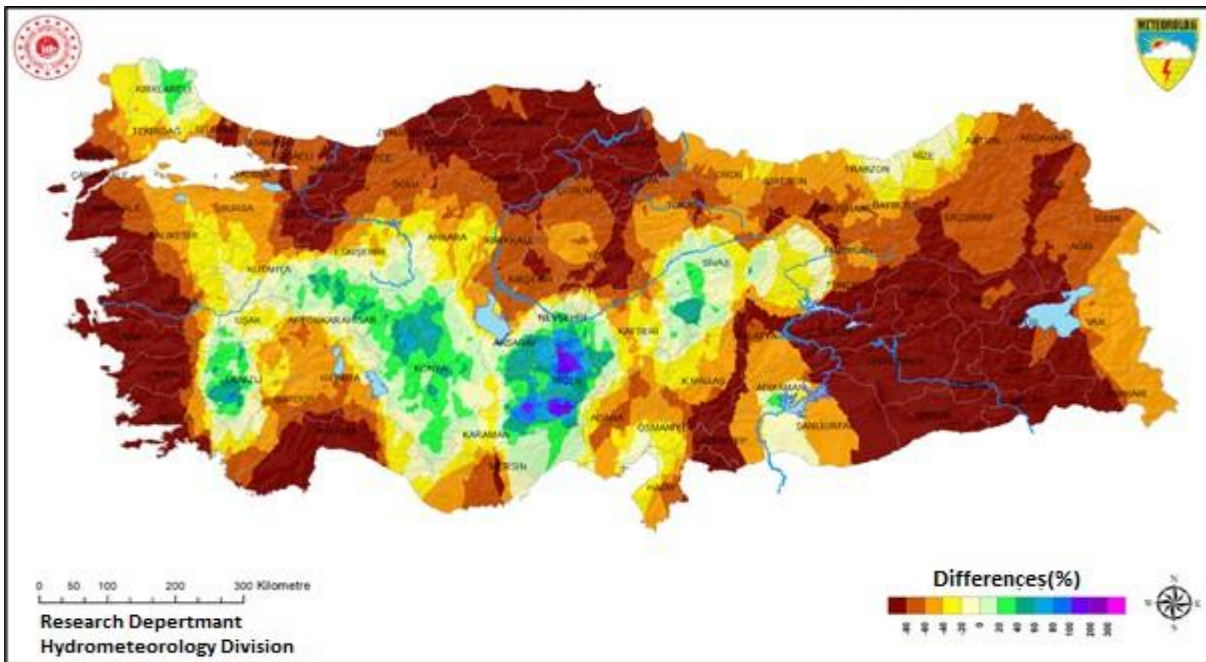


Figure 3. 2 Spatial distribution of mean precipitation anomalies in August 2025 (Url 2).

In August, regional precipitation was below normal in all regions. A decrease of more than 80% compared to normal was observed in, Western Black Sea, Central Black Sea, Eastren Anatolia, Southeastren Anatolia, Edirne, İstanbul, Çanakkale, Balıkesir, Yalova, Bilecik, Kocaeli, Sakarya, Manisa, İzmir, Aydın, Muğla, Antalya, Mersin, Eskişehir, Çankırı, Yozgat and Gümüşhane. Increase of more than %60 compared to was observed in, Afyonkarahisar, Denizli, Konya, Niğde, Nevşehir, Aksaray and Karaman. In August, the highest precipitation was recorded in Rize with 121.7 mm. Batman, Mardin and Diyarbakır was the only city that did not receive any rain in August (Fig. 3.2).

3.1. Regional Precipitation

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

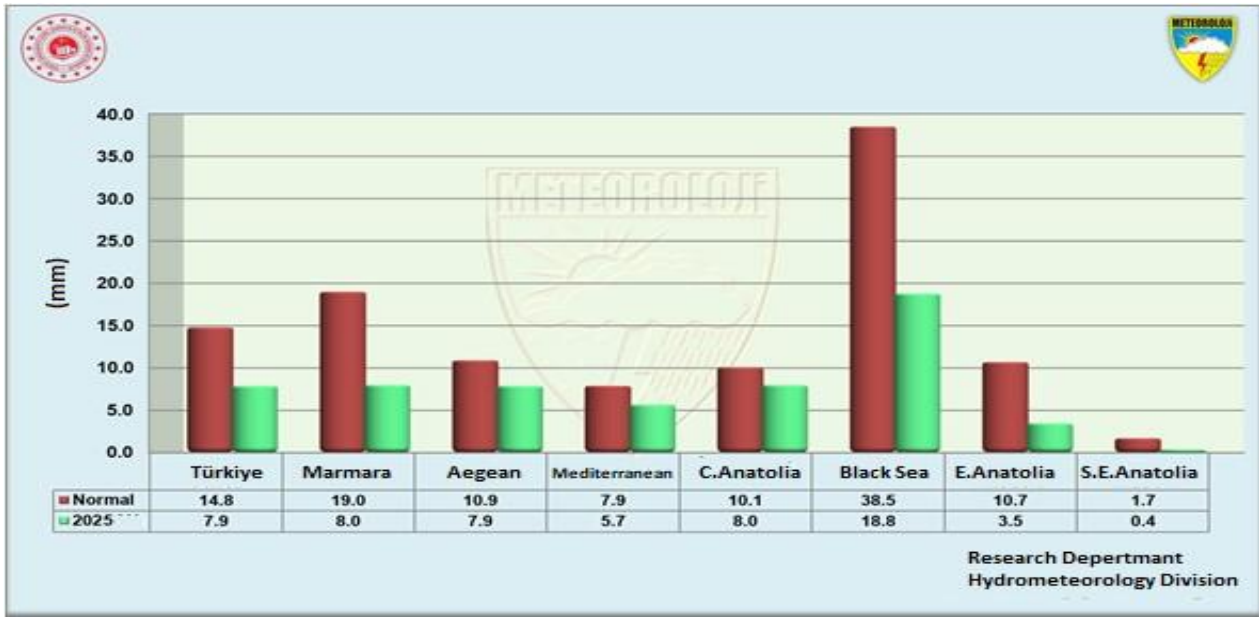


Figure 3. 3 Regional Precipitation Differences in August 2025 (Fig 3.3)

3.2. Rainy Days

The number of rainy days in August 2025 in Türkiye was below normal with 2.9 days (1991-2020 normal is 3.0 days). The number of rainy days were between 10-15 days in the Kastamonu, Ordu, Giresun, Trabzon, Rize and Artvin. N. of rainy day have been reduced to one (1) day in, İzmir, Aydın, Muğla, Çanakkale, Antalya, Mardin, Batman, Siirt and Şırnak.(Fig. 3.4).

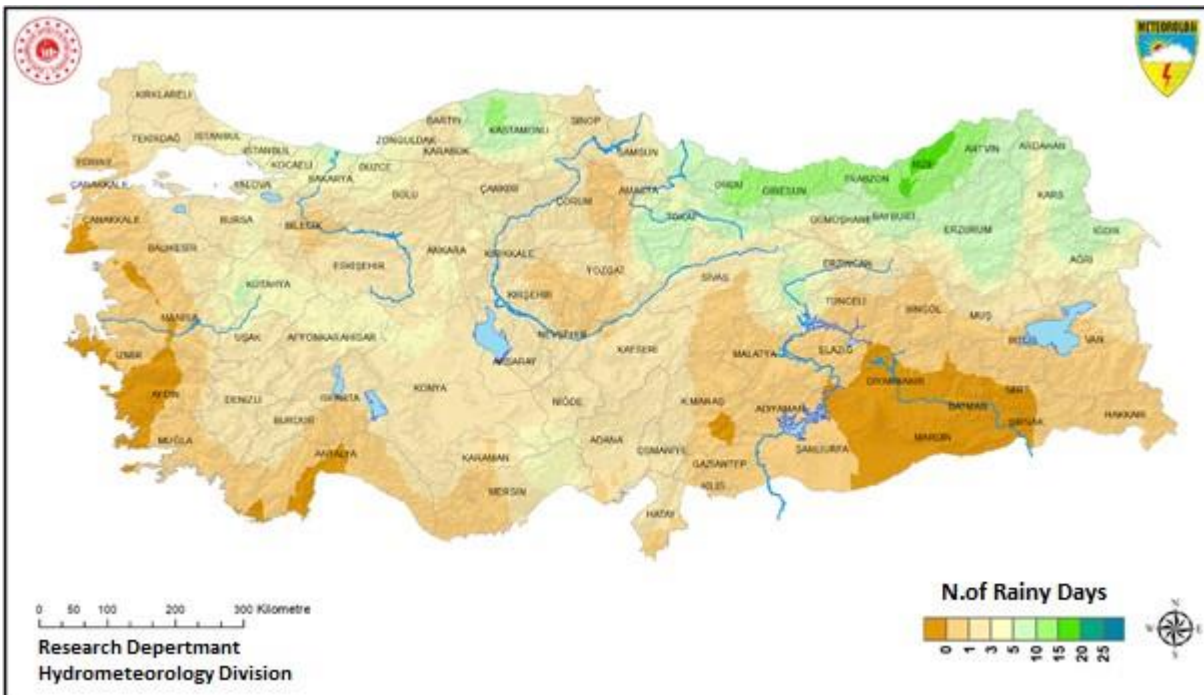


Figure 3. Number of rainy days in August 2025 (Url 2).

4. Extreme Meteorological Events

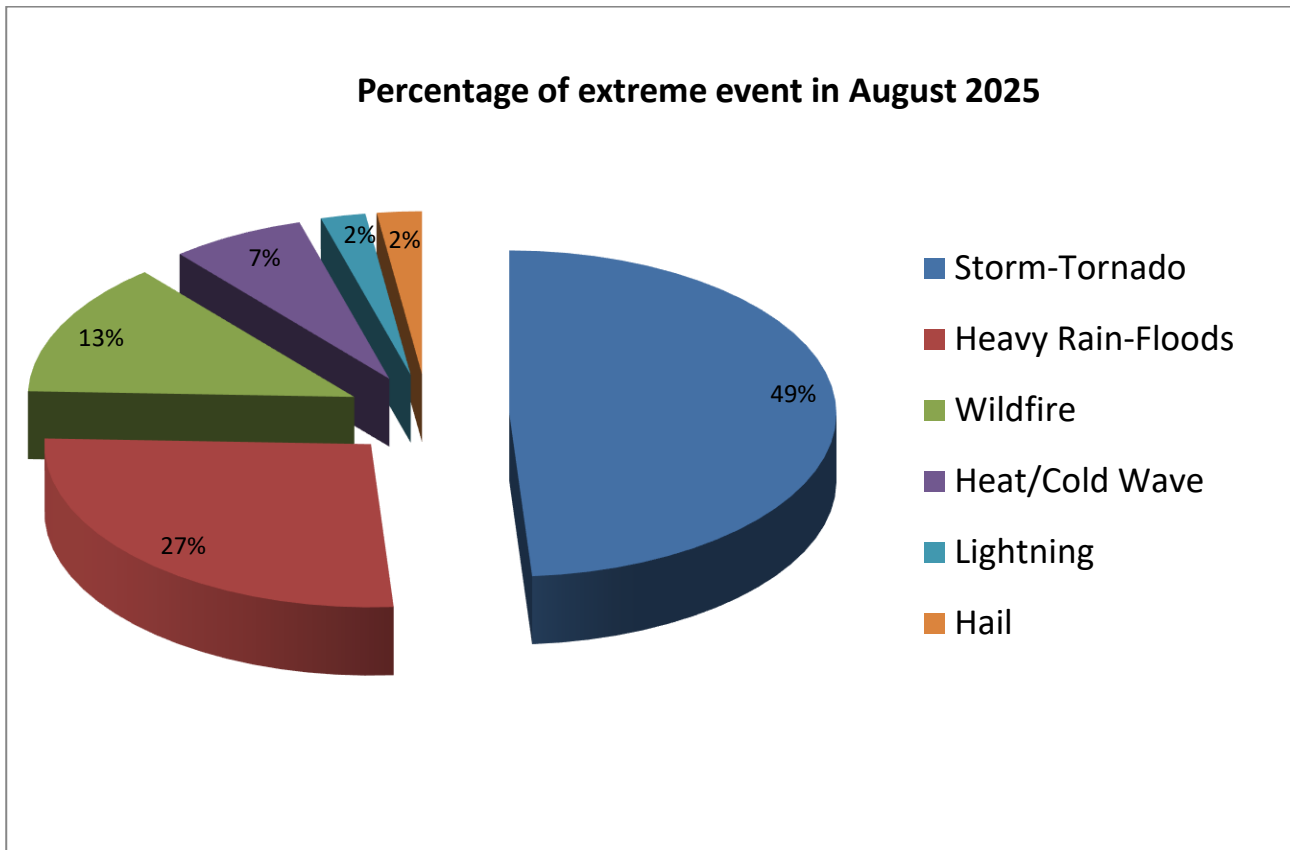


Figure 4.1. Percentage of extreme event in August 2025 (Url 3).

There are 45 extreme events have been reported in August 2025 in TSMS's Kardelen Database. Percentage of extreme events in August 2025 were storm-tornado (49%), heavy rain-flood (27%), wild fire (13%), heat/cold wave(7%), lightning (2%), hail (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
<http://www.mgm.gov.tr/veridegerlendirme/yagis-raporu.aspx>
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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