



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



# State of the Climate in April 2025



Climate and Agricultural Meteorology Department  
Research Department

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**2025**

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## 1. Introduction

The mean temperature of Türkiye in April 2025 was 12.1°C. This value was 0.2°C below the 1991-2020's normal (12.3°C).

In April 2025, in Zonguldak, İnebolu, Cide, Kızılcahamam, Kumköy, Sarıyer temperatures were below seasonal normal. Kale-Demre, Van, Şırnak, Cizre, Ceylanpınar temperatures were above seasonal normal. There were around seasonal normal temperature in other parts of Türkiye.

The lowest temperature was observed in Sarız with -16.3 °C and the highest temperature was observed in Ceylanpınar with 35.2°C. There were 16 new extreme maximum temperature records observed.

Türkiye's areal mean precipitation in April 2025 was 72.7 mm. This value is approximately 27% above from the 1991-2020's normal (57.5 mm)

In April, regional precipitation was above normal in all regions except around Marmara region and S.E. Anatolia regions. A decrease of more than 79% compared to normal was observed in Hatay, Gaziantep, Kilis, Şanlıurfa, Mardin and Şırnak . In April, the highest precipitation was recorded in Hakkari with 140.9 mm and lowest recorded with 27.6 mm precipitation in Karaman and Şanlıurfa..

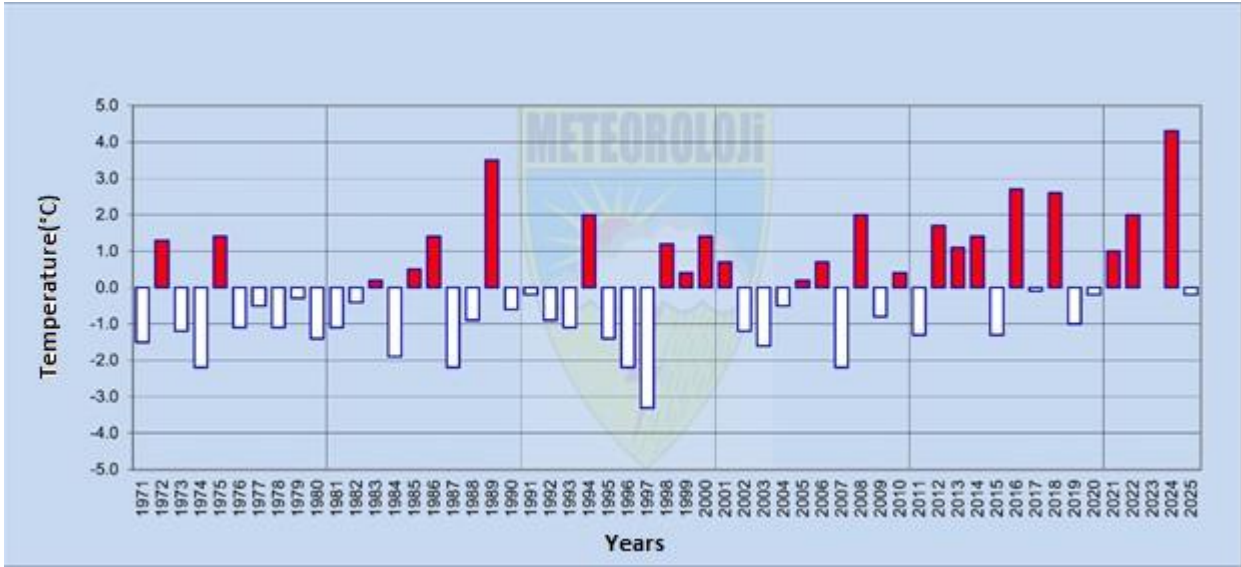
The number of rainy days in April 2025 in Türkiye was above normal with 14.2 days (1991-2020 normal is 10.8 days). The number of rainy days was between 20-25 days in the Ordu, Giresun, Trabzon, Gümüşhane, Bayburt, Rize, Artvin, Bingöl, Erzurum, Muş, Kars and Ardahan. N. of rainy day has been reduced to five (5) day in North of the Aegean region, West of Marmara region, Antalya, Karaman, Mersin, Adana, Hatay, Gaziantep, Kilis, and Şanlıurfa.

There are 181 extreme events have been reported in April 2025 in TSMS's Kardelen Database. Percentage of extreme events in April 2025 were storm-tornado (29%), frost (25%), hail (15%), snow(10%), landslide (1%), heavy rain-flood (17%), lightning (2%) duststorm (1%).

## 2. Temperature

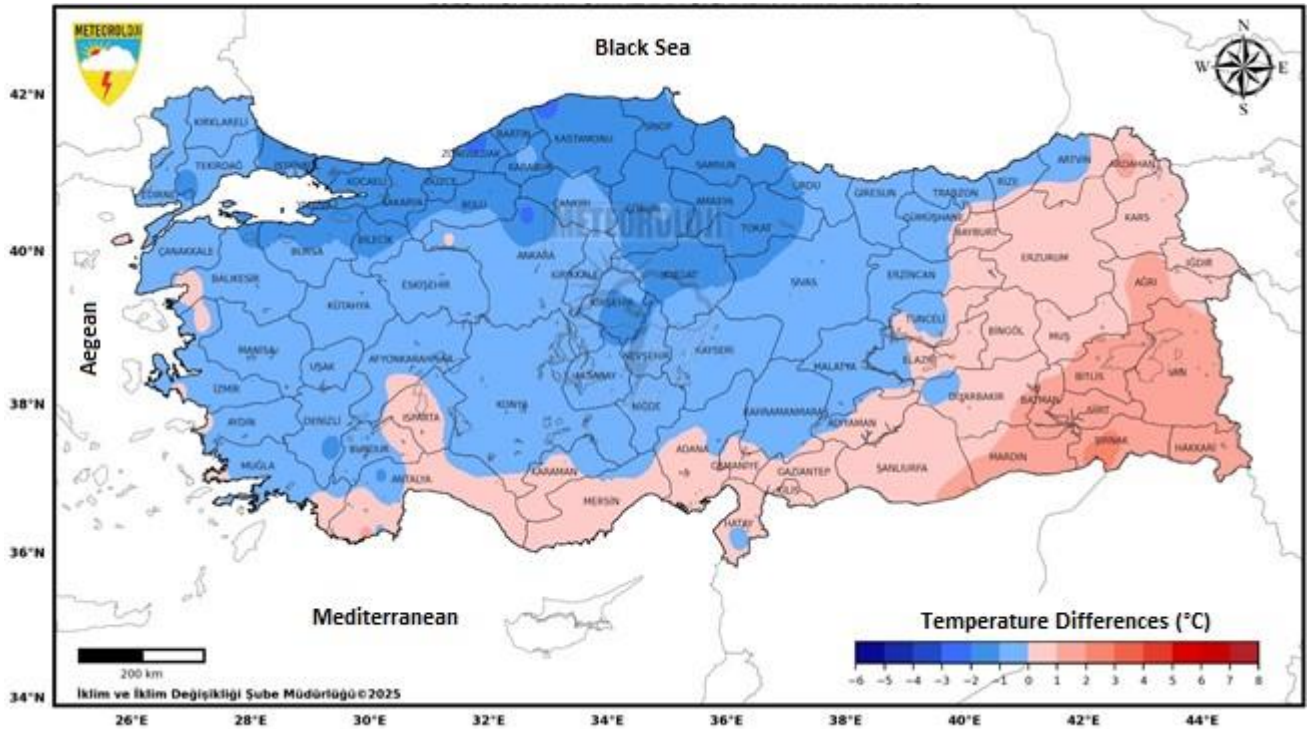
In April 2025, in Zonguldak, İnebolu, Cide, Kızılcahamam, Kumköy, Sarıyer temperatures were below seasonal normal. Kale-Demre, Van, Şırnak, Cizre, Ceylanpınar temperatures were above seasonal normal. There were around seasonal normal temperature in other parts of Türkiye.

The mean temperature of Türkiye in April 2025 was 12.1°C. This value was 0.2°C below the 1991-2020's normal (12.3°C).Fig.2.1)

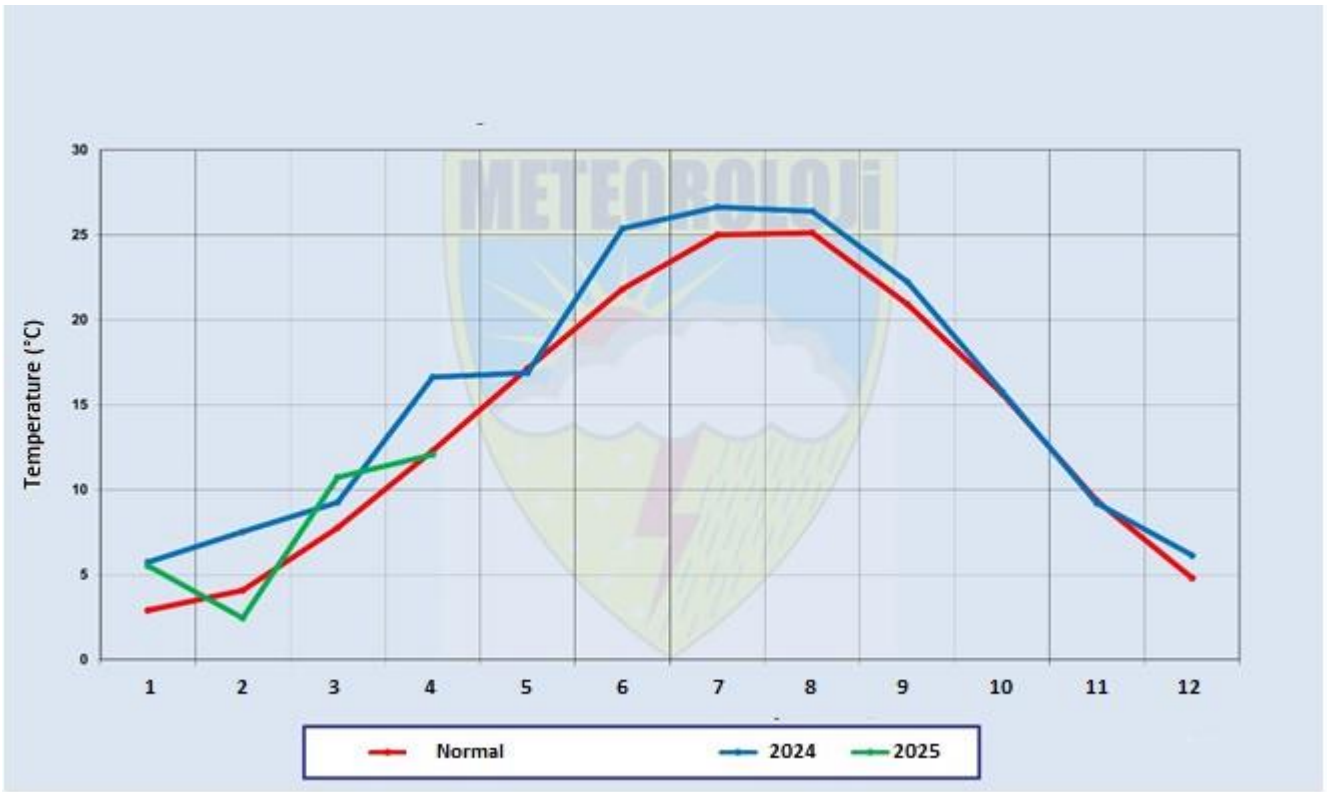


**Figure 2.1** Monthly mean temperature anomalies in April (Url 1).

In April 2025, mean temperatures differences was positive in southern and eastern parts while below it in Black Sea region, Aegean region and Central Anatolia region (Fig.2.2).



**Figure 2.2.** Spatial distribution of mean temperature anomaly in Türkiye in April 2025 (Url 1).

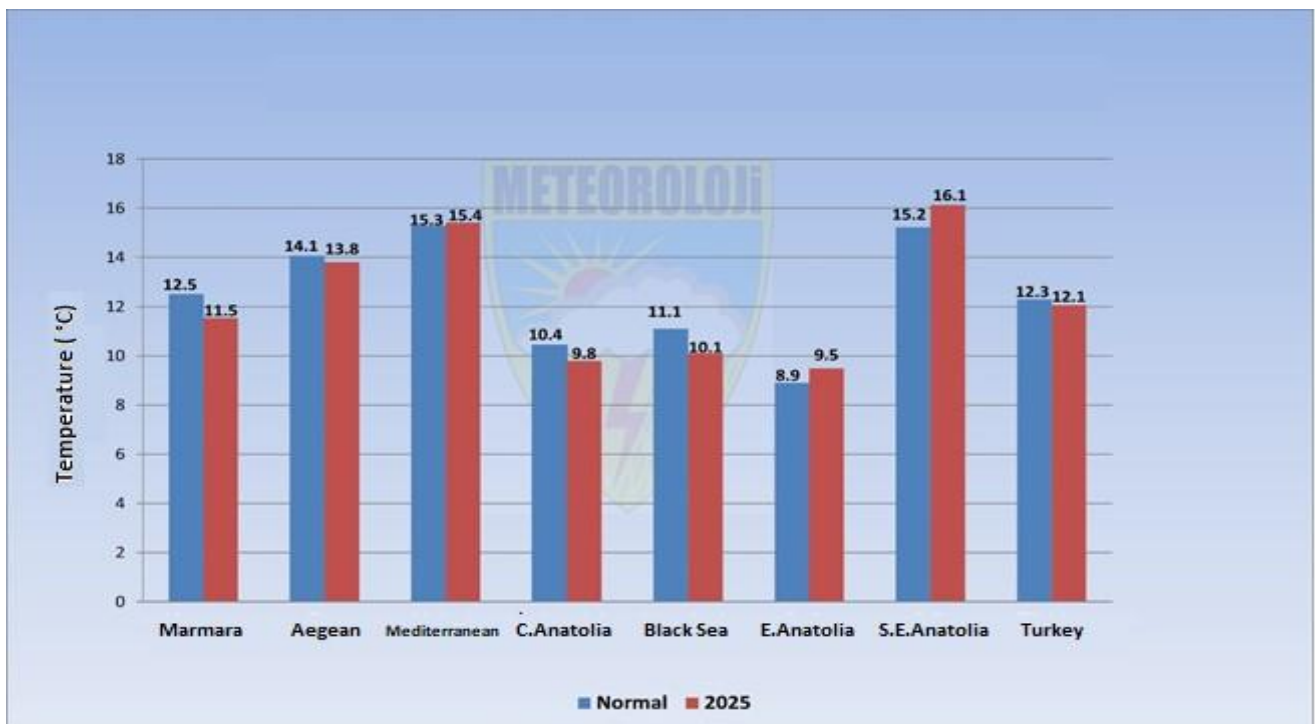


**Figure 2. 3** The difference of the monthly mean temperature in 2025 from normal (1991-2020) (Url 1).

The monthly mean temperature in April was it's seasonal normal.

## 2.1. Regional Temperature

Regional temperatures were below their normal except S.E.Anatolia region, E.Anatolia region and Mediterranean region (Fig. 2.4).



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



## 2.2. Extreme Temperature

The lowest temperature was observed in Sarız with -16.3 °C and the highest temperature was observed in Ceylanpınar with 35.2°C. There were 16 new extreme maximum temperature records observed.

## 3. Precipitation

Türkiye's areal mean precipitation in April 2025 was 72.7 mm. This value is approximately 27% above from the 1991-2020's normal (57.5 mm)(Fig. 3.1)

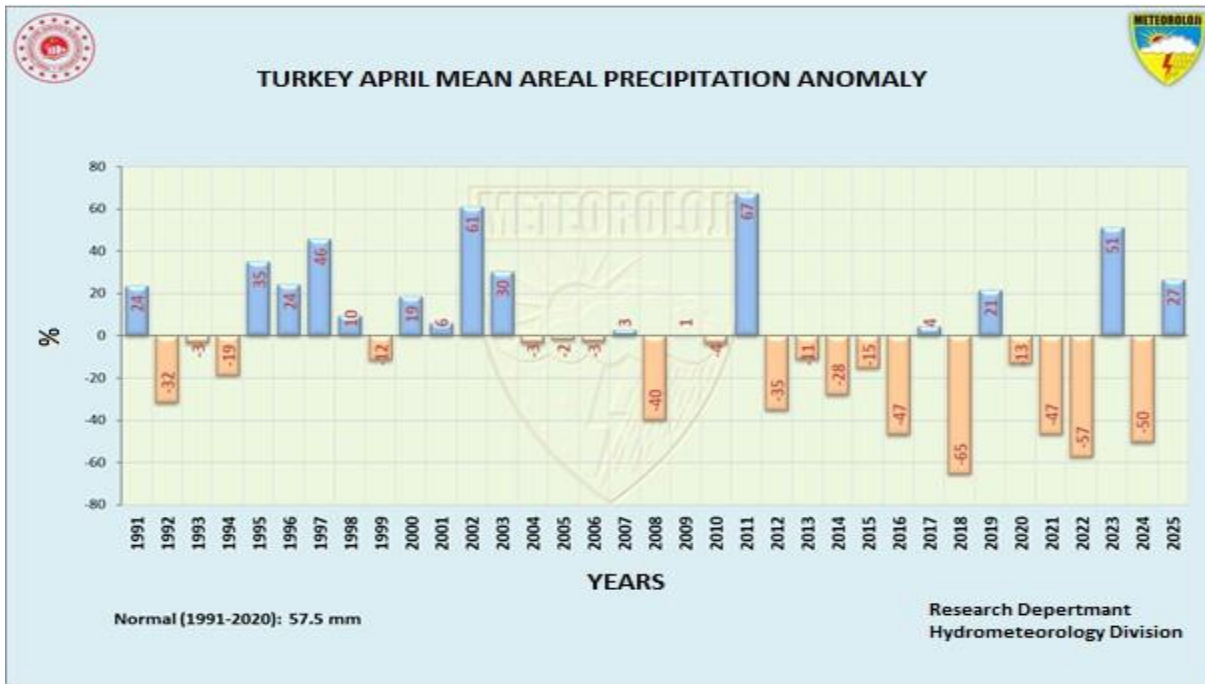


Figure 3. 1 Areal precipitation anomaly in April in Türkiye (Url 2).

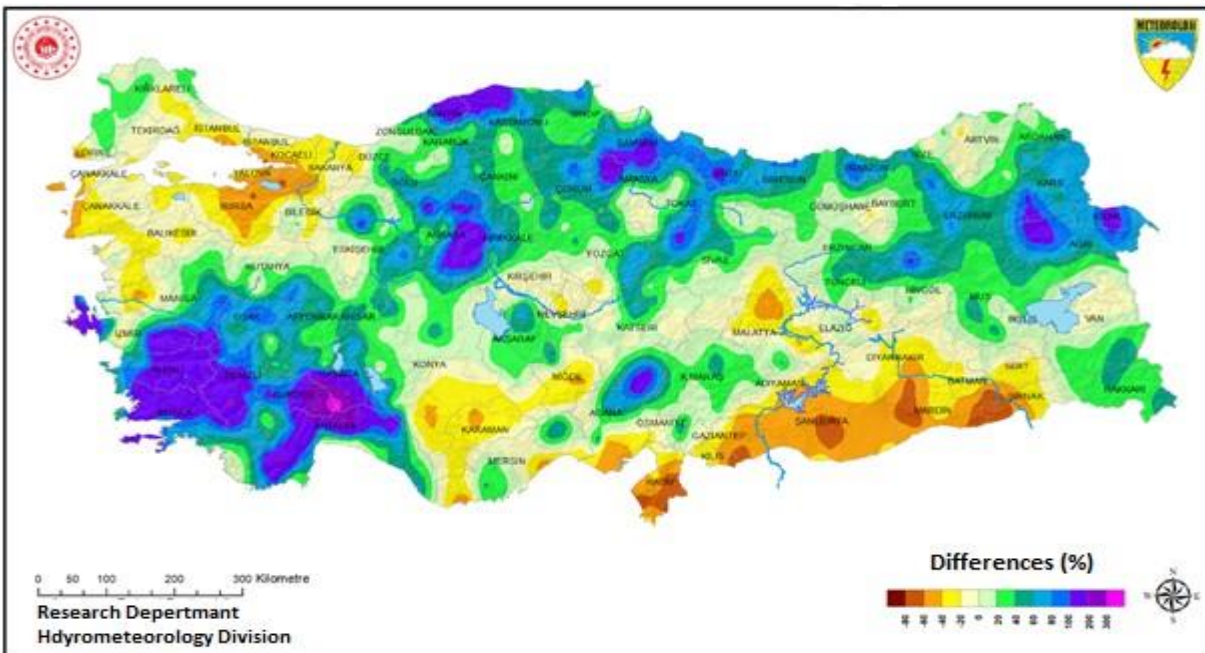
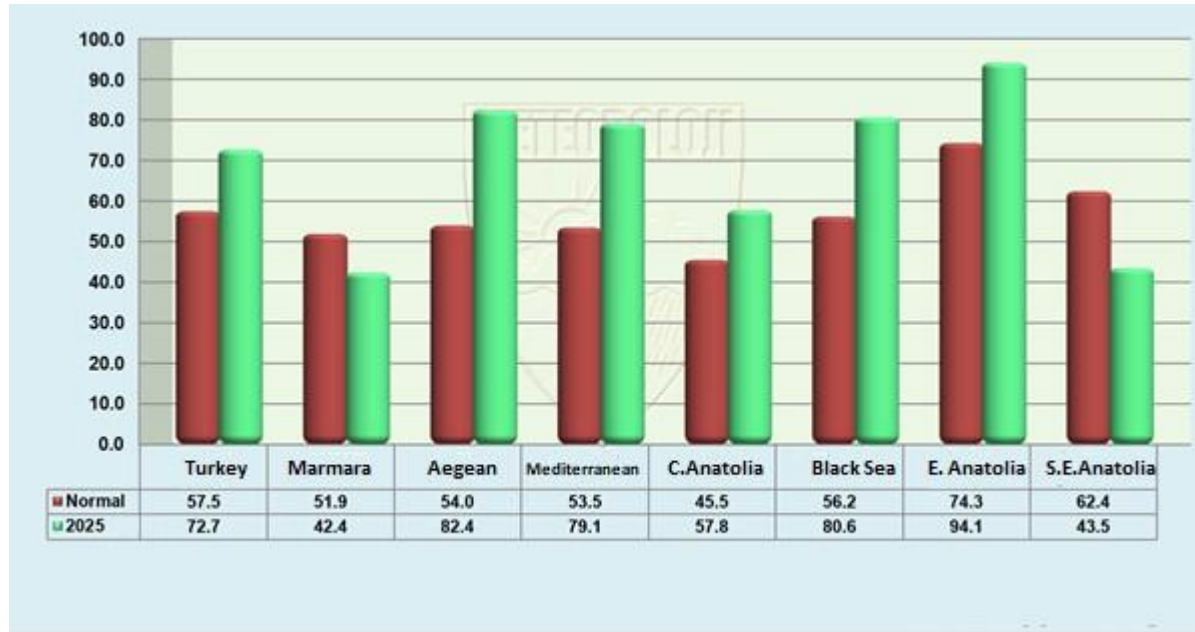


Figure 3. 2 Spatial distribution of mean precipitation anomalies in April 2025 (Url 2).

In April, regional precipitation was above normal in most of the regions except around Marmara region and S.E.Anatolia regions. A decrease of more than 79% compared to normal was observed in Hatay, Gaziantep, Kilis, Şanlıurfa, Mardin and Şırnak . In April, the highest precipitation was recorded in Hakkari with 140.9 mm and lowest recorded with 27.6 mm precipitation in Karaman and Şanlıurfa (Fig. 3.2).

### 3.1. Regional Precipitation

In April 2025, regional precipitation, were above normal (1991-2020) except Marmara Region and S.E.Anatolia Region (Figure 3.3).

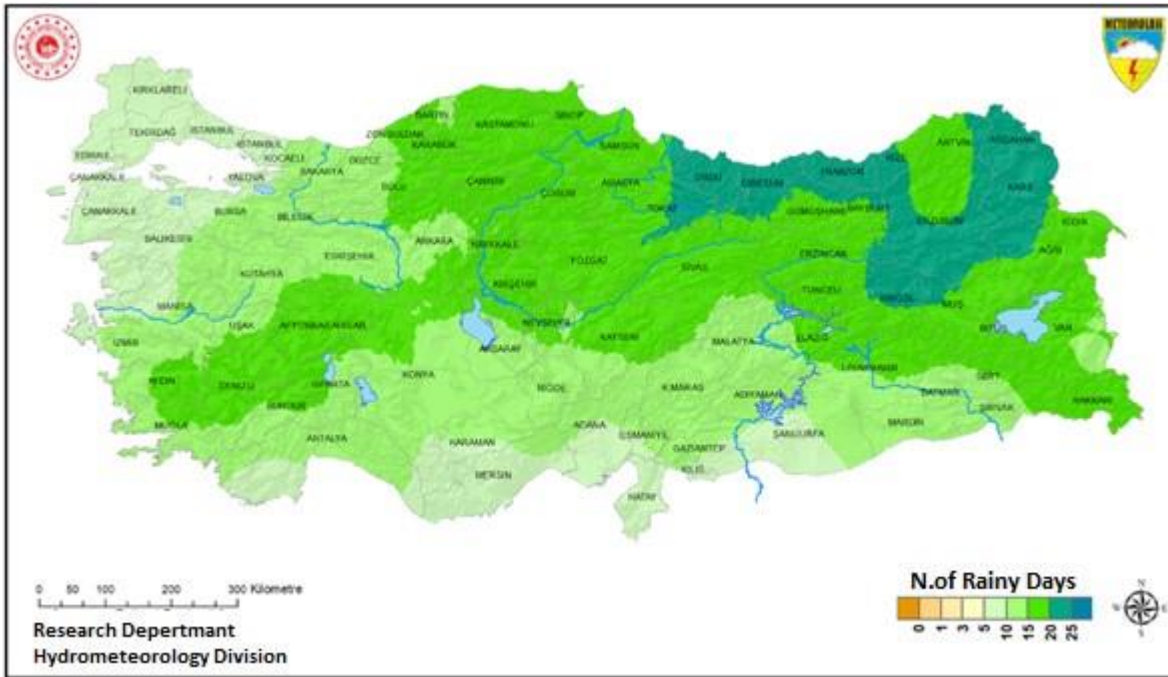


**Figure 3. 3** Regional Precipitation Differences in April 2025 (Url 2).

### 3.2. Rainy Days

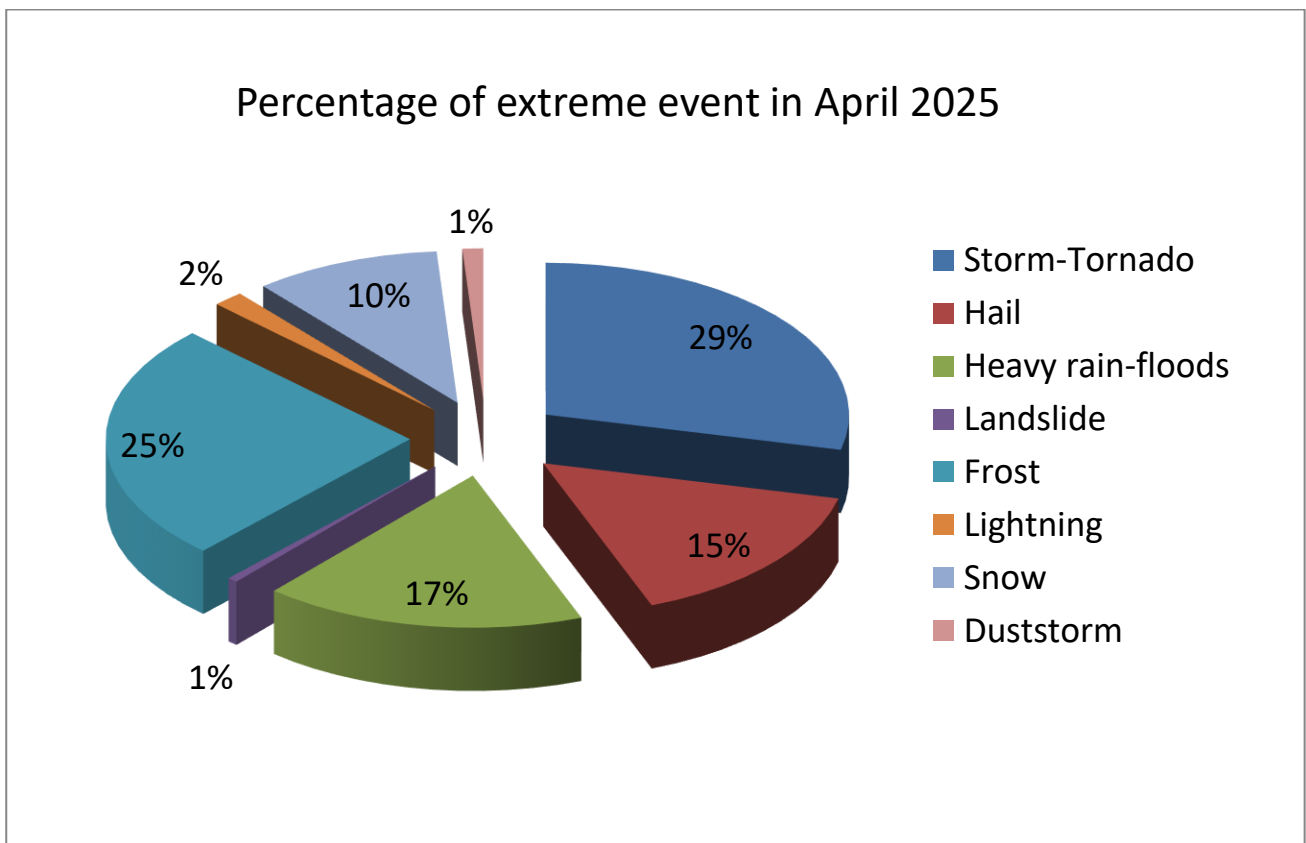
The number of rainy days in April 2025 in Türkiye was above normal with 14.2 days (1991-2020 normal is 10.8 days). The number of rainy days was between 20-25 days in the Ordu, Giresun, Trabzon, Gümüşhane, Bayburt, Rize, Artvin, Bingöl, Erzurum, Muş, Kars and Ardahan. N. of rainy day has been reduced to five (5) days in North of the Aegean region, West of Marmara region, Antalya, Karaman, Mersin, Adana, Hatay, Gaziantep, Kilis, and Şanlıurfa (Fig. 3.4).





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

#### 4. Extreme Meteorological Events



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

There are 181 extreme events have been reported in April 2025 in TSMS's Kardelen Database. Percentage of extreme events in April 2025 were storm-tornado (29%), frost (25%), hail (15%), snow(10%), landslide (1%), heavy rain-flood (17%), lightning (2%) dust storm (1%) (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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