



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



State of the Climate in May 2025



Climate and Agricultural Meteorology Department
Research Department

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

State of the Climate in May 2025

**Climate and Agricultural Meteorology
Department**

Research Department

2025

CONTENT

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

1. Introduction

The mean temperature of Türkiye in May 2025 was 18.0°C. This value was 0.9°C above the 1991-2020's normal (17.1°C).

In May 2025, in Kızılcahamam, temperatures were below seasonal normal. S.E.Anatolia region, the south and east of the Central Anatolia region, the parts of E.Anatolia region except the north and west, the inner parts of the Mediterranean region, Adana, Alanya, Elmalı, Mut, Kale-Demre, Gökçeada, Bodrum, and Bayburt temperatures were above seasonal normal. There were near seasonal normal temperature in other parts of Türkiye.

The lowest temperature was observed in Kangal with -2.1 °C and the highest temperature was observed in Ceylanpınar with 43.1°C. There were 4 new extreme maximum temperature records observed.

Türkiye's areal mean precipitation in May 2025 was 48.2 mm. This value is approximately 9% below from the 1991-2020's normal (52.7 mm)

In May, regional precipitation was below normal in all regions except around Eastern Anatolia region and Mediterranean region. A decrease of more than 56% compared to normal was observed in Şanlıurfa. In May, the highest precipitation was recorded in Tunceli with 96.8 mm and lowest recorded with 14.0 mm precipitation in Şanlıurfa..

The number of rainy days in May 2025 in Türkiye was below normal with 9.1 days (1991-2020 normal is 10.3 days). The number of rainy days was between 15-20 days in the Ordu, Giresun, Trabzon, Gümüşhane, Bayburt, Rize, Artvin, Erzurum and Ardahan. N. of rainy day has been reduced to one (1) day in, Çanakkale, İzmir, Aydın and Coast of Muğla, Mersin, Hatay, Gaziantep, Kilis and Şanlıurfa

There are 171 extreme events have been reported in May 2025 in TSMS's Kardelen Database. Percentage of extreme events in May 2025 were storm-tornado (38%), hail (31%), snow (2%), heavy rain-flood (20%), lightning (6%), frost (2%), dust-storm (1%)

2. Temperature

In May 2025, in Kızılcahamam, temperatures were below seasonal normal. S.E.Anatolia region, the south and east of the Central Anatolia region, the parts of E.Anatolia region except the north and west, the inner parts of the Mediterranean region, Adana, Alanya, Elmalı, Mut, Kale-Demre, Gökçeada, Bodrum, and Bayburt temperatures were above seasonal normal. There were around seasonal normal temperature in other parts of Türkiye.

The mean temperature of Türkiye in May 2025 was 18.0°C. This value was 0.9°C above the 1991-2020's normal (17.1°C).Fig.2.1)

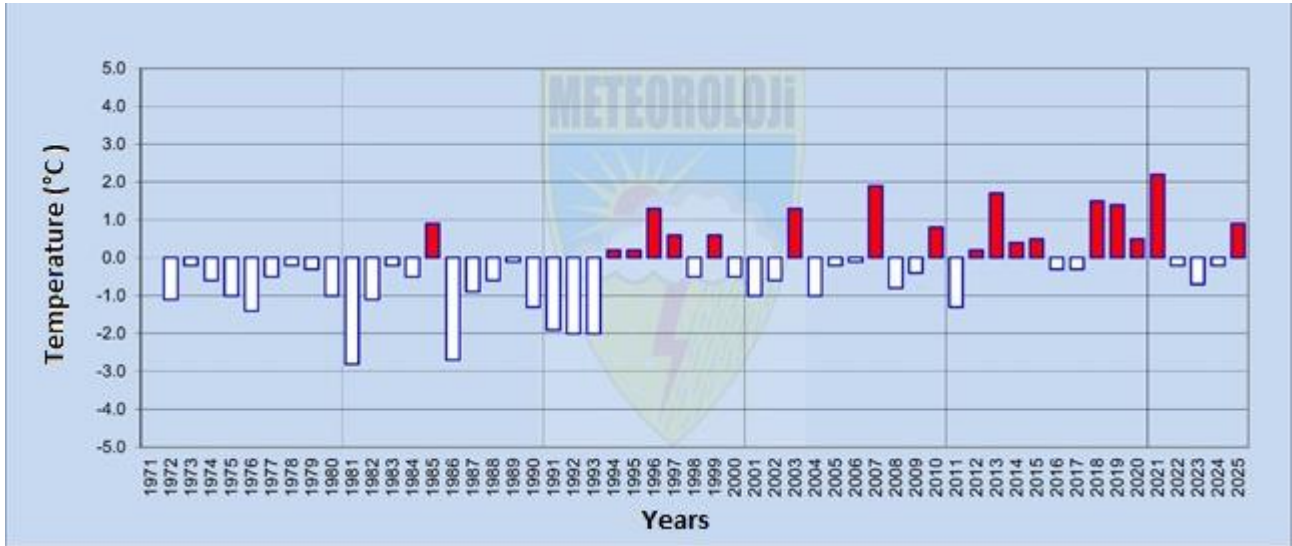


Figure 2.1 Monthly mean temperature anomalies in May (Url 1).

In May 2025, mean temperatures differences was positive in southern parts, central parts and eastern parts while below it in Central Black Sea region, and West of Marmara region (Fig.2.2).

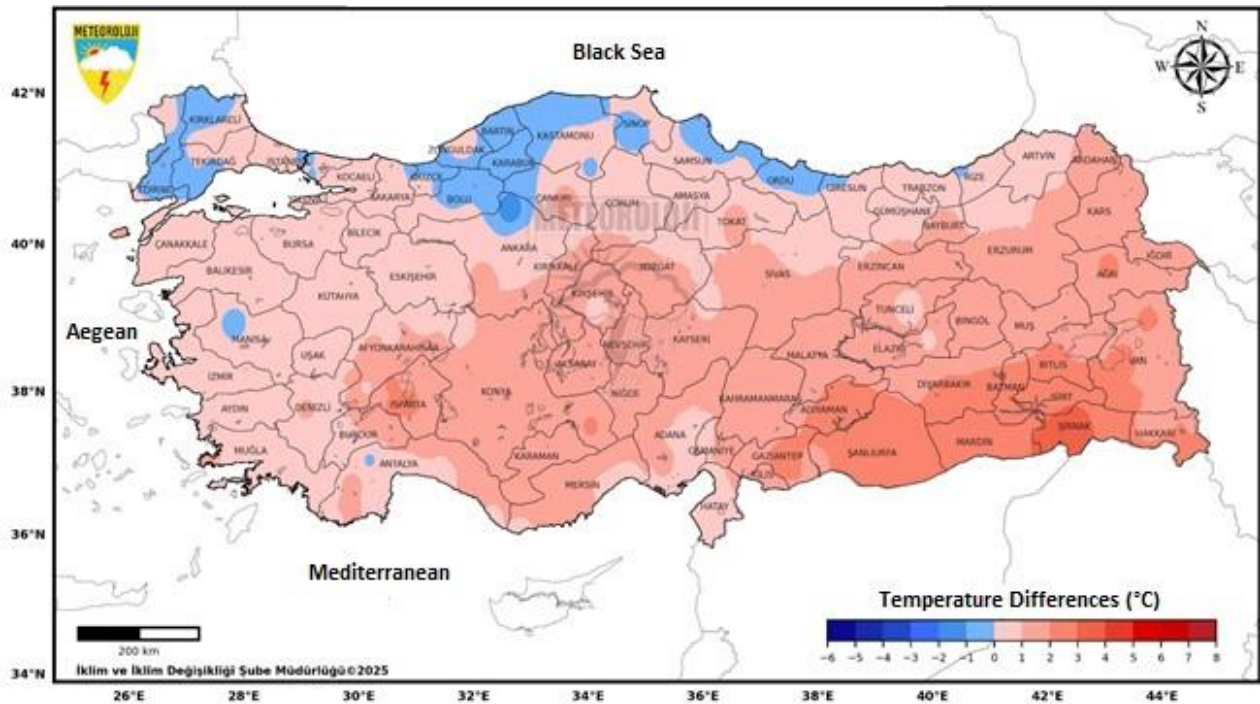


Figure 2.2. Spatial distribution of mean temperature anomaly in Türkiye in May 2025 (Url 1).

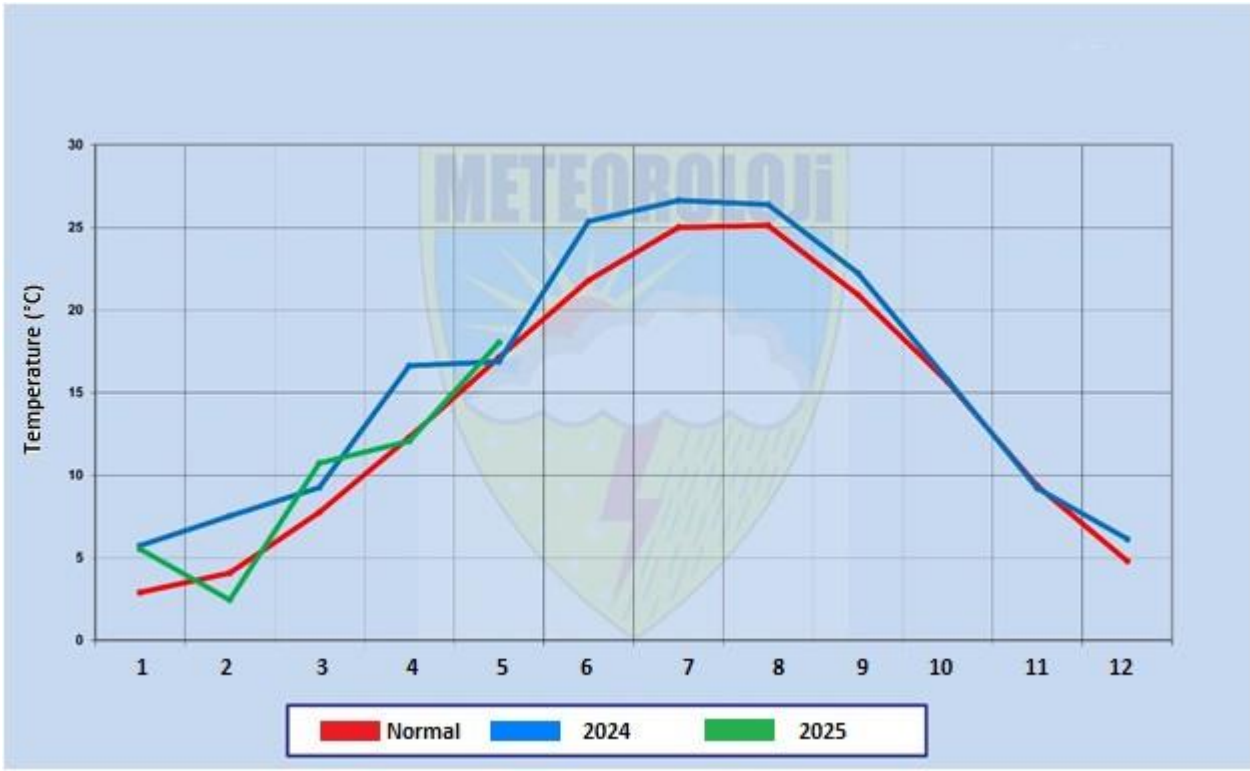


Figure 2. 3 The difference of the monthly mean temperature in 2025 from normal (1991-2020) (Url 1).

The monthly mean temperature in May was above seasonal normal.

2.1. Regional Temperature

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

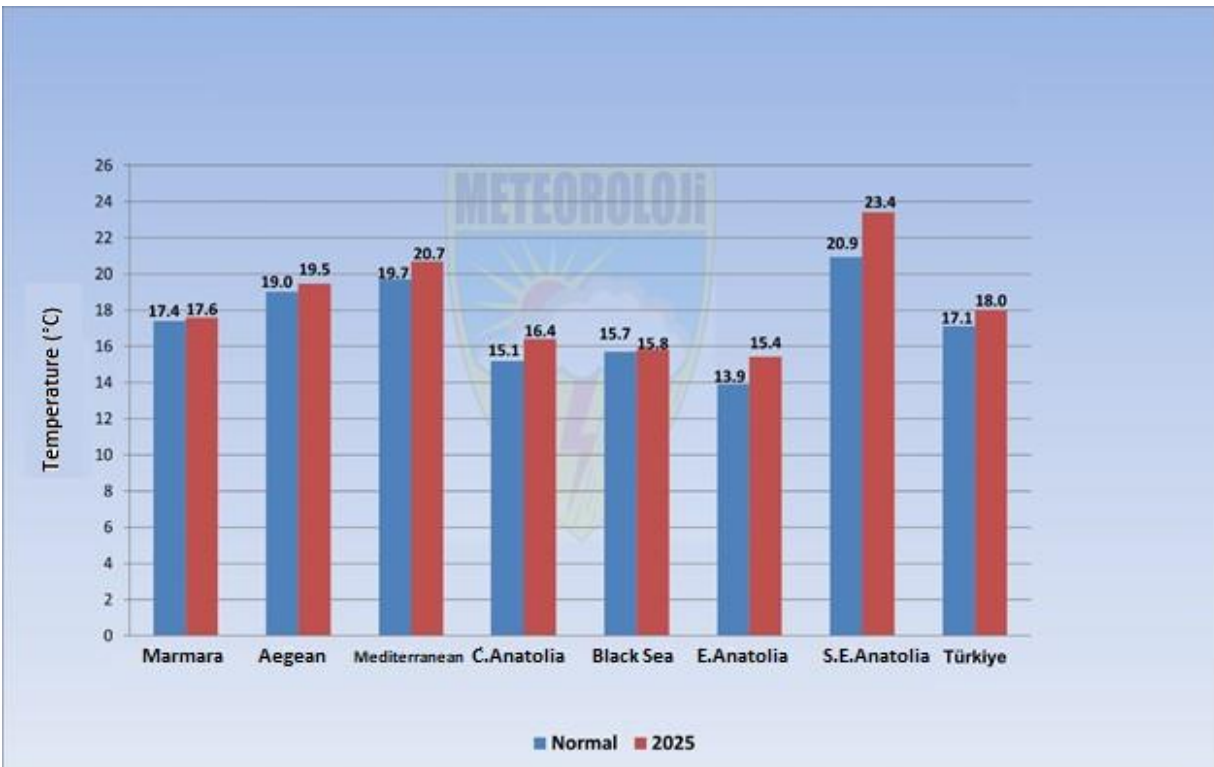


Figure 2. 4 Regional mean temperature differences in May 2025 (Url 1).

2.2. Extreme Temperature

The lowest temperature was observed in Kangal with -2.1°C and the highest temperature was observed in Ceylanpınar with 43.1°C . There were 4 new extreme maximum temperature records observed.

3. Precipitation

Türkiye's areal mean precipitation in May 2025 was 48.2 mm. This value is approximately 9% below from the 1991-2020's normal (52.7 mm)(Fig. 3.1)

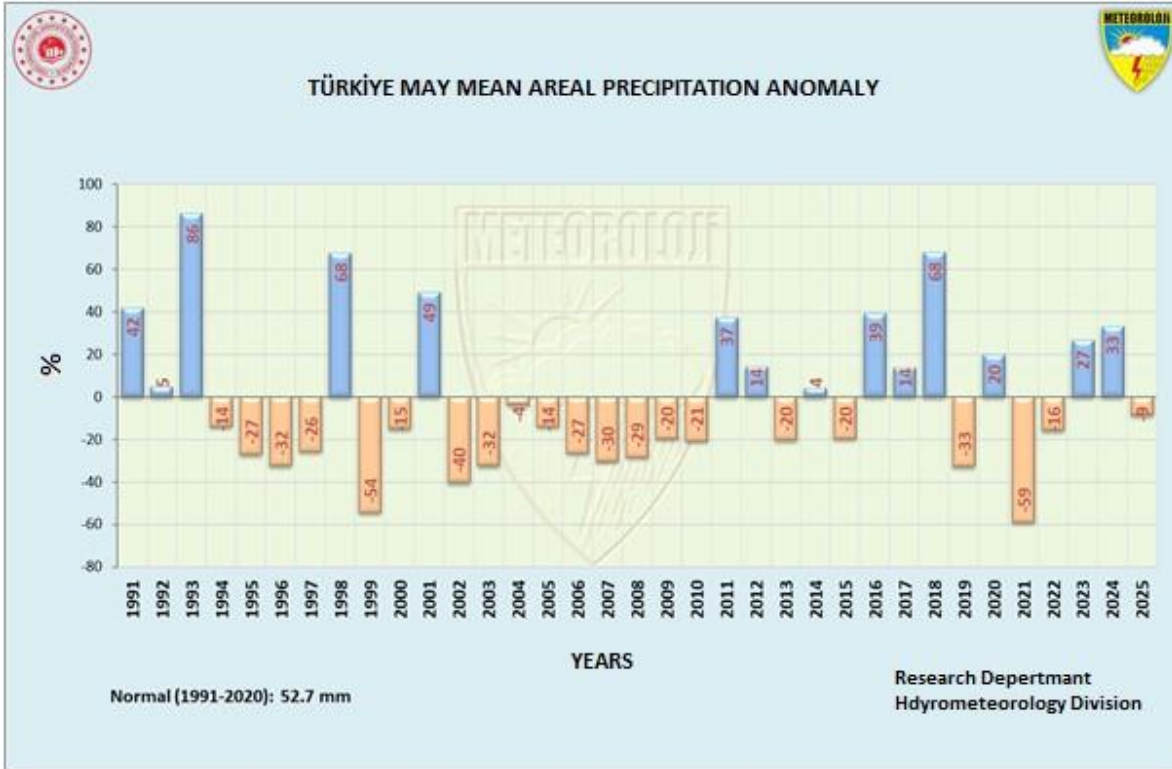


Figure 3. 1 Areal precipitation anomaly in May in Türkiye (Url 2).

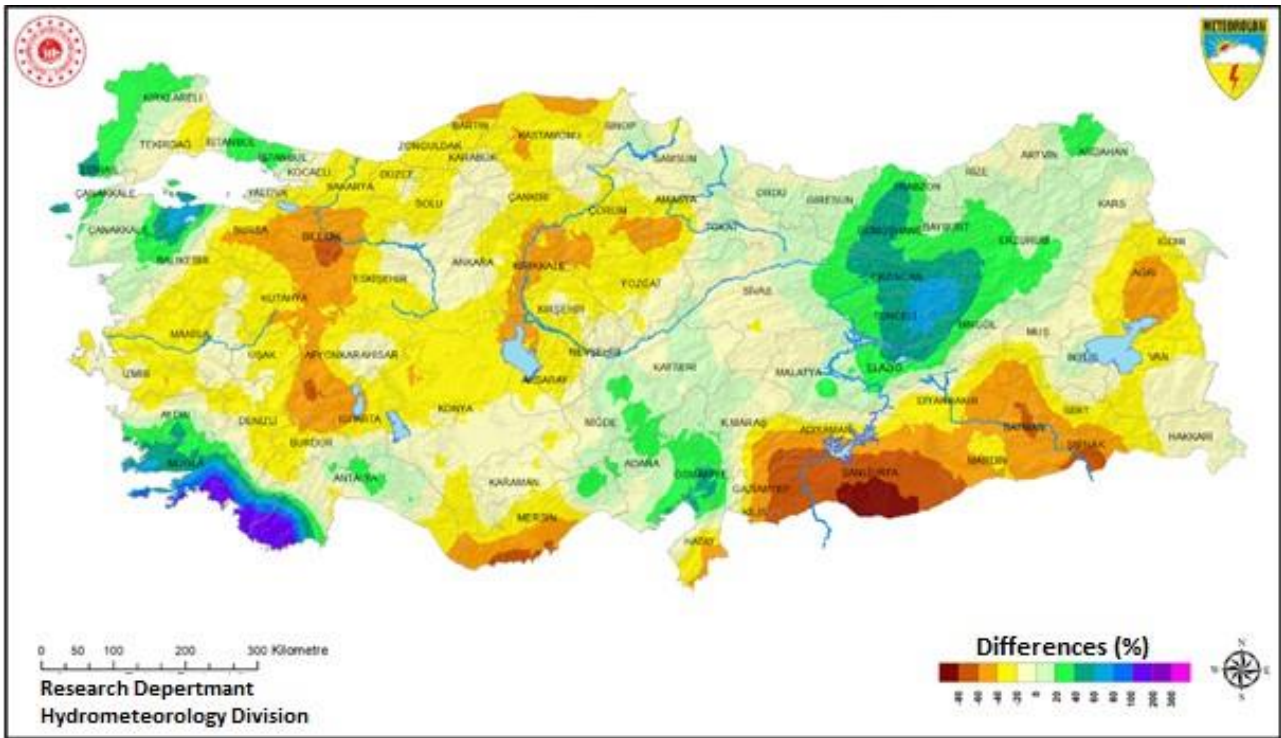


Figure 3. 2 Spatial distribution of mean precipitation anomalies in May 2025 (Url 2).

In May, regional precipitation was below normal in all regions except around Eastern Anatolia region and Mediterranean region. A decrease of more than 56% compared to normal was observed in Şanlıurfa. In May, the highest precipitation was recorded in Tunceli with 96.8 mm and lowest recorded with 14.0 mm precipitation in Şanlıurfa. (Fig. 3.2).

3.1. Regional Precipitation

In May 2025, regional precipitation, were below normal (1991-2020) except Mediterranean and E.Anatolia Regions (Figure 3.3).

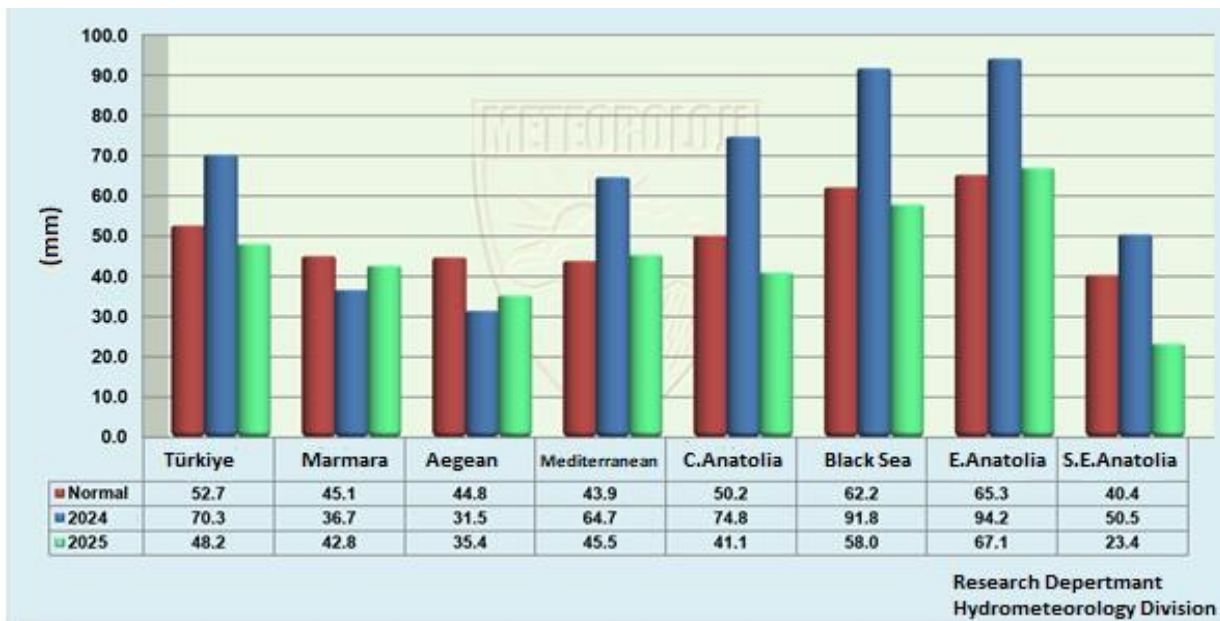


Figure 3. 3 Regional Precipitation Differences in May 2025 (Url

3.2. Rainy Days

The number of rainy days in May 2025 in Türkiye was below normal with 9.1 days (1991-2020 normal is 10.3 days). The number of rainy days was between 15-20 days in the Ordu, Giresun, Trabzon, Gümüşhane, Bayburt, Rize, Artvin, Erzurum and Ardahan. N. of rainy day has been reduced to one (1) day in, Çanakkale, İzmir, Aydın and Coast of Muğla, Mersin, Hatay, Gaziantep, Kilis and Şanlıurfa (Fig. 3.4).

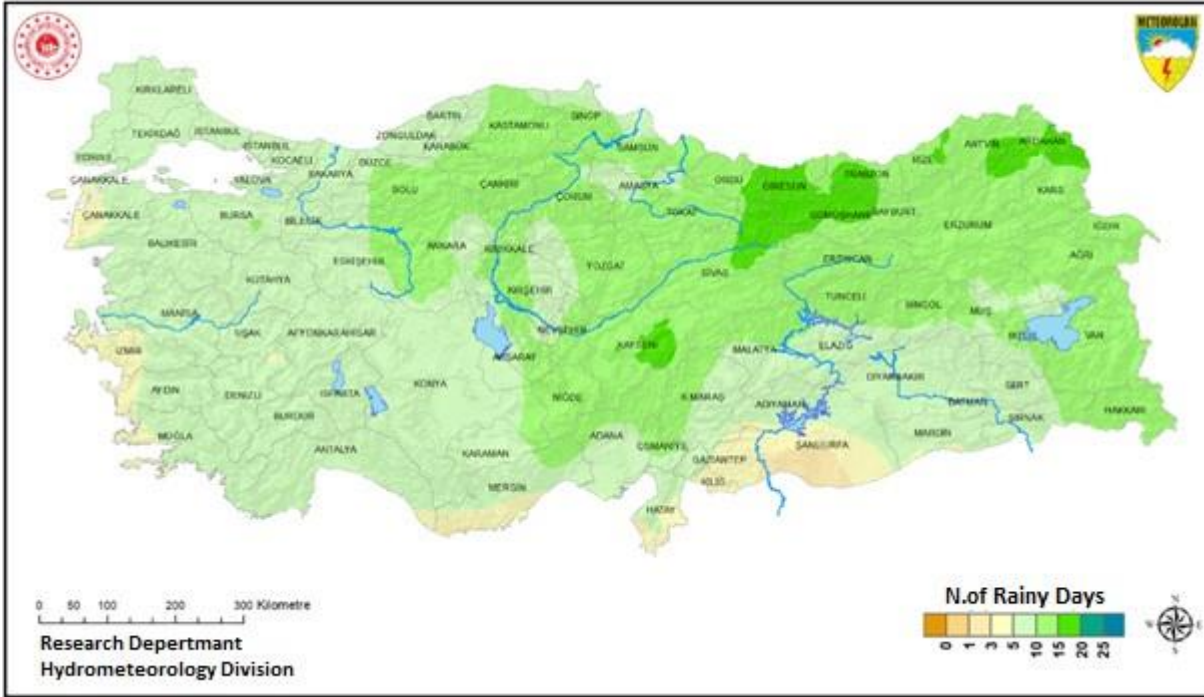


Figure 3. Number of rainy days in May 2025 (Url 2).

4. Extreme Meteorological Events

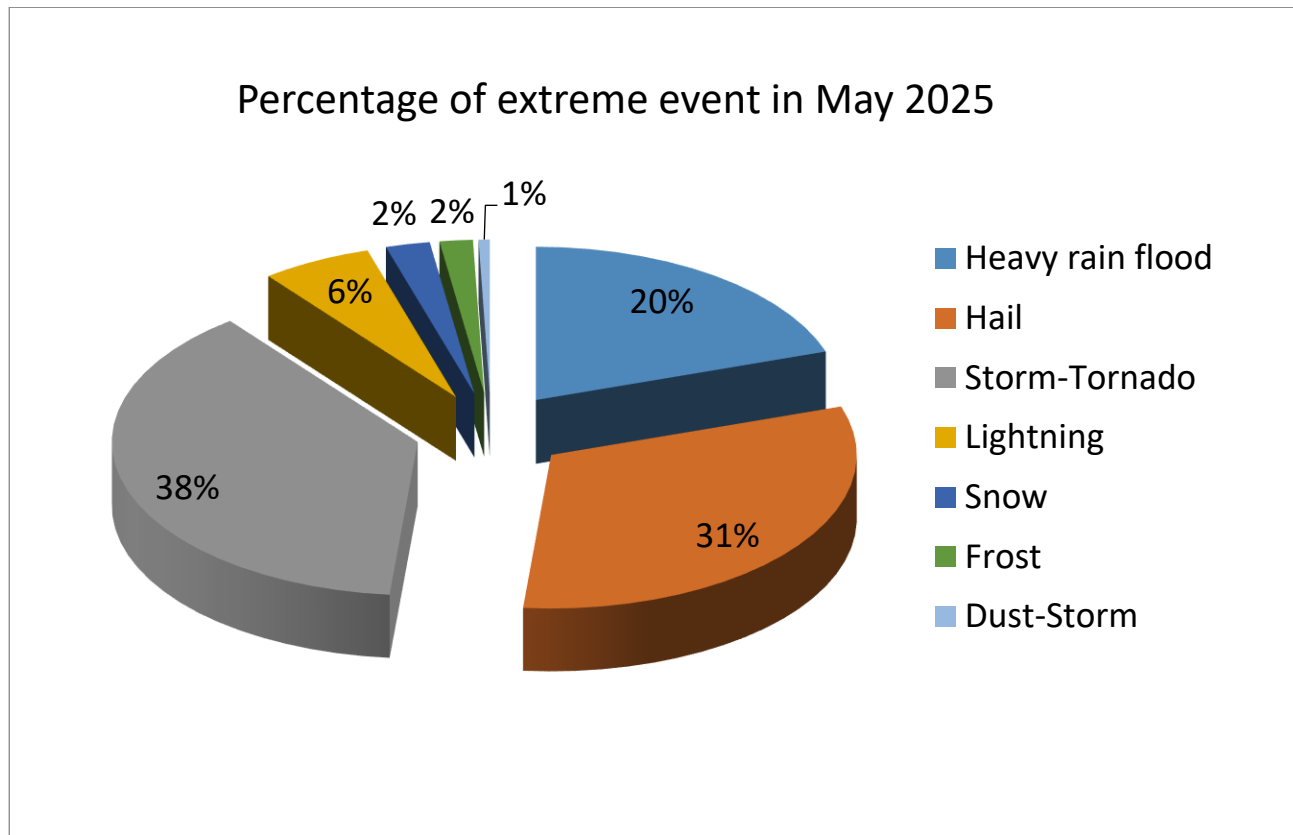


Figure 4.1. Percentage of extreme event in May 2025 (Url 3).

There are 171 extreme events have been reported in May 2025 in TSMS's Kardelen Database. Percentage of extreme events in May 2025 were storm-tornado (38%), hail (31%), snow (2%), heavy rain-flood (20%), lightning (6%), frost (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>



Turkish State Meteorological Service
Kütükçü Alibey Cad. No:4 06120 Kalaba/ANKARA
Tel : (+90 312) 359 75 45
Faks : (+90 312) 360 25 51
<https://mgm.gov.tr>

