



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



State of the Climate in December 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 December 2025 was 6.3°C. This value was 1.5°C above the 1991-2020's normal (4.8°C).

In December 2025, temperatures were above seasonal normal in Edirne, Kadıköy, Gökçeada, Bodrum, the coastal parts of the Mediterranean region, Çankırı, Kırıkkale, Cihanbeyli, Bartın, Kastamonu, Karabük, Çorum, Boyabat, Tosya, Nallıhan, Beypazarı, Erzurum, Ağrı, Arapgir and Çemizgezek. There were near seasonal normal temperature in other parts of Türkiye.

The lowest temperature was observed in Özalp with -25.7°C and the highest temperature was observed in İskenderun with 25.6°C. There was 1 new extreme maximum temperature records observed.

Türkiye's areal mean precipitation in December 2025 was 60.1 mm. This value is approximately 21% below from the 1991-2020's normal (75.7 mm).

In December 2025, regional precipitation was below normal except Black Sea and Eastern Anatolia. A decrease of more than 60% compared to normal was observed in Kırklareli, Tekirdağ, Edirne, Çanakkale, Balıkesir, Manisa, Uşak, Kütahya, Çorum, Osmaniye, Gaziantep and Kilis. Increase of more than %60 compared to normal was observed in Düzce, Zonguldak, Kastamonu, Sinop, Hakkari and Şırnak. In December, the highest precipitation was recorded in Zonguldak with 177.2 mm. The lowest precipitation was observed in Edirne with 21.0 mm.

The number of rainy days in December 2025 in Türkiye was above normal with 12.4 days (1991-2020 normal is 11.8 days). The number of rainy days were between 25-30 days in the Çanakkale, Balıkesir, Bursa, Sakarya, Düzce, Zonguldak, Karabük, Bartın, Kastamonu, Sinop and Samsun. Number of rainy day have been reduced to five (5) day in Edirne, Afyonkarahisar, Denizli, Antalya, Adana, Gaziantep and Erzurum.

There are 87 extreme events have been reported in December 2025 in TSMS's Kardelen Database. Percentage of extreme events in December 2025 were heavy rain-flood (40%), storm-tornado (25%), snow (14%), hail (13%), fog (4%), frost (2%), lightning (1%), avalanche (1%)

2. Temperature

In December 2025, temperatures were above seasonal normal in Edirne, Kadıköy, Gökçeada, Bodrum, the coastal parts of the Mediterranean region, Çankırı, Kırıkkale, Cihanbeyli, Bartın, Kastamonu, Karabük, Çorum, Boyabat, Tosya, Nallıhan, Beypazarı, Erzurum, Ağrı, Arapgir and Çemişgezek. There were near seasonal normal temperature in other parts of Türkiye. (Fig.2.1)

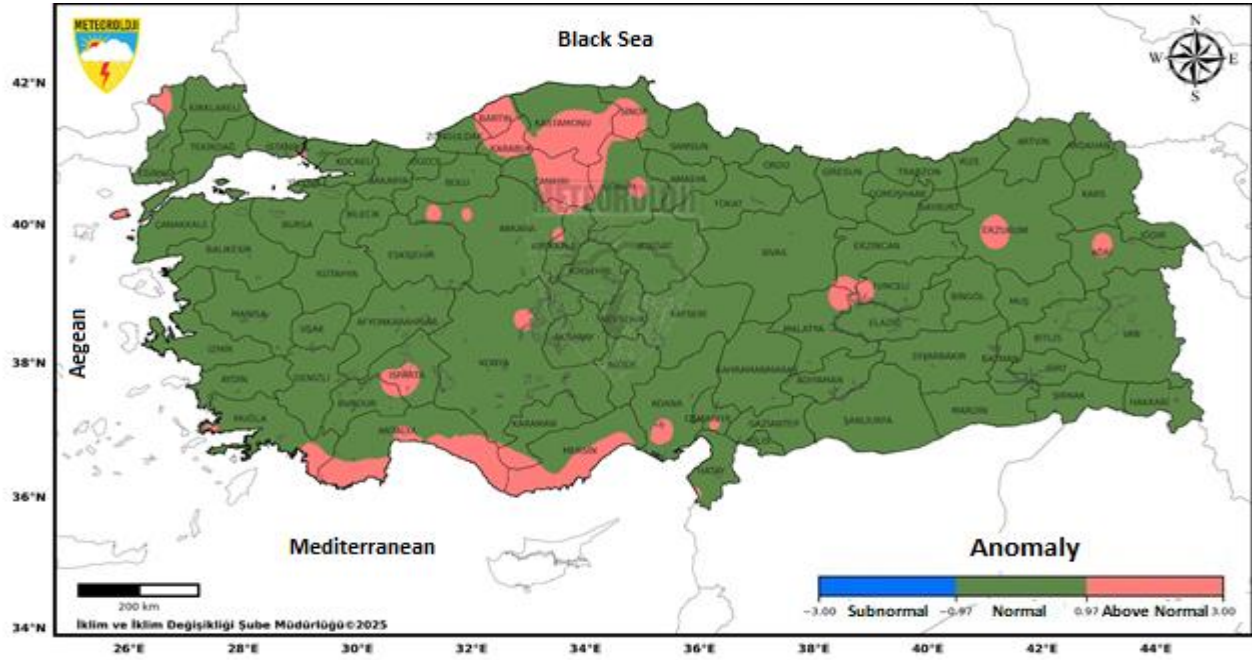


Figure 2.1 Türkiye's mean temperature anomalies in December (Fig.2.1)

The mean temperature of Türkiye in December 2025 was 6.3°C. This value was 1.5°C above the 1991-2020's normal (4.8°C) (Fig.2.2).

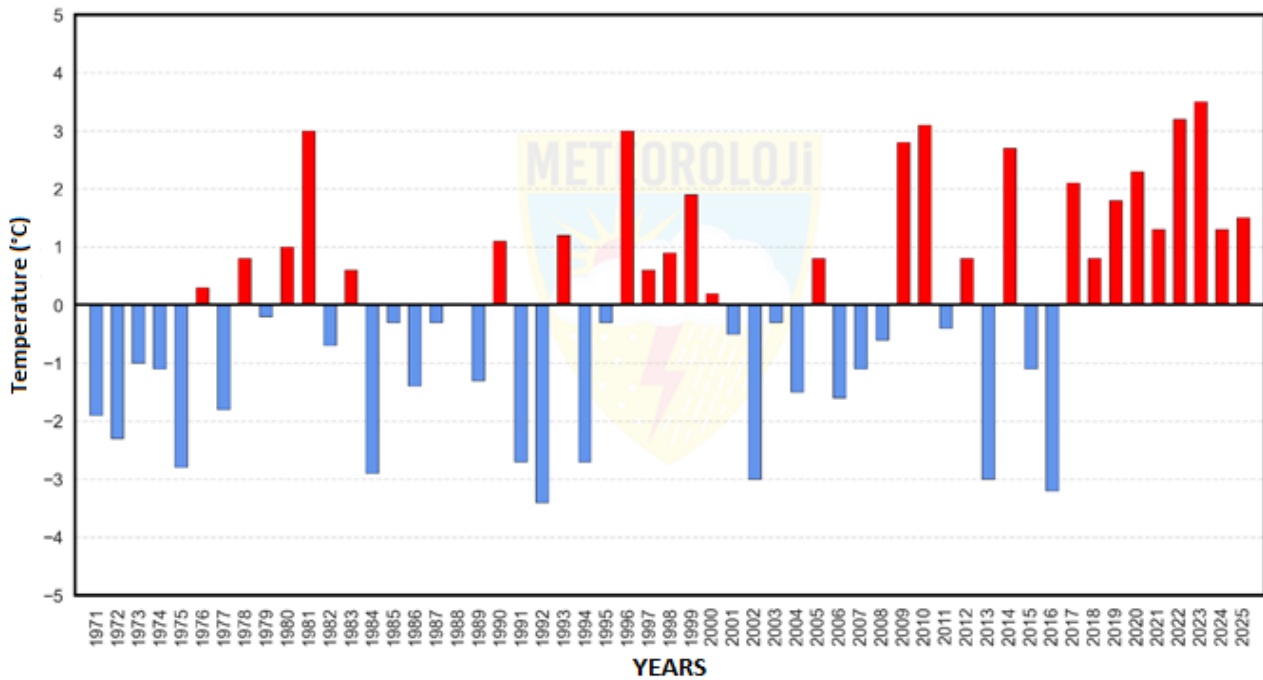


Figure 2.2 Monthly mean temperature anomalies in December (Url 1).

In December 2025, the mean temperature differences across Türkiye were positive. (Fig.2.3).

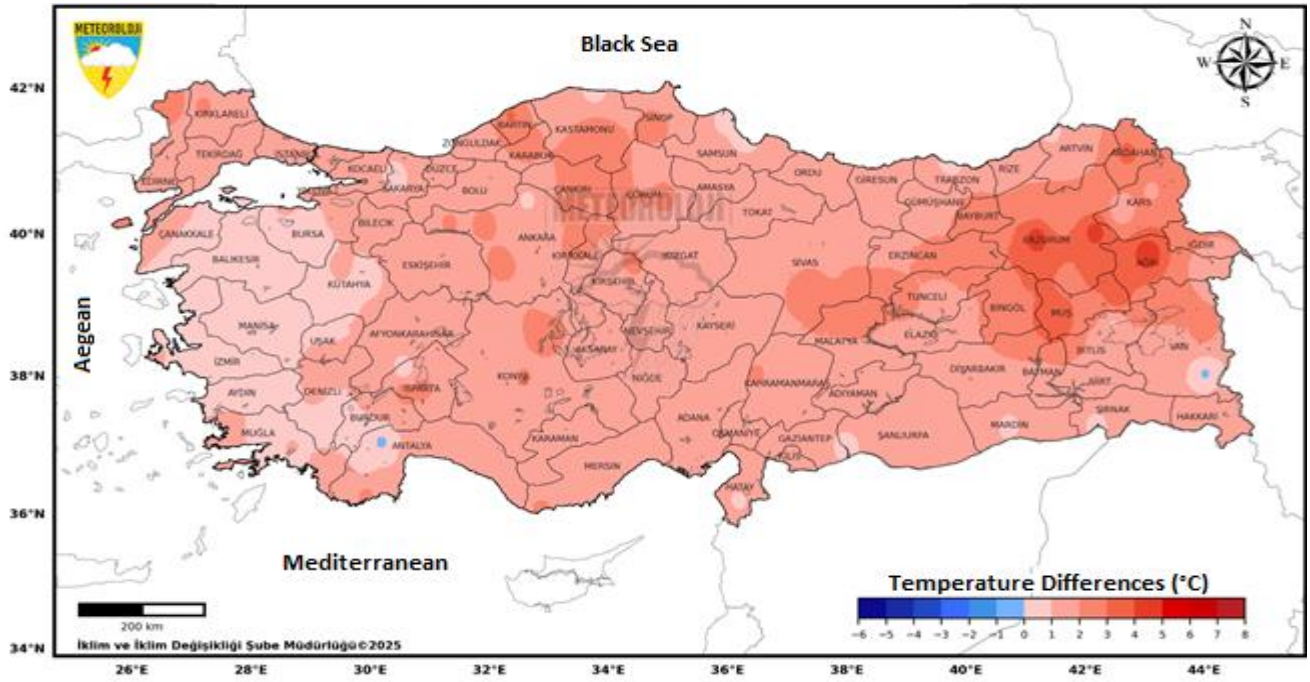


Figure 2.3. Spatial distribution of mean temperature differences in Türkiye in December 2025 (Url 1).

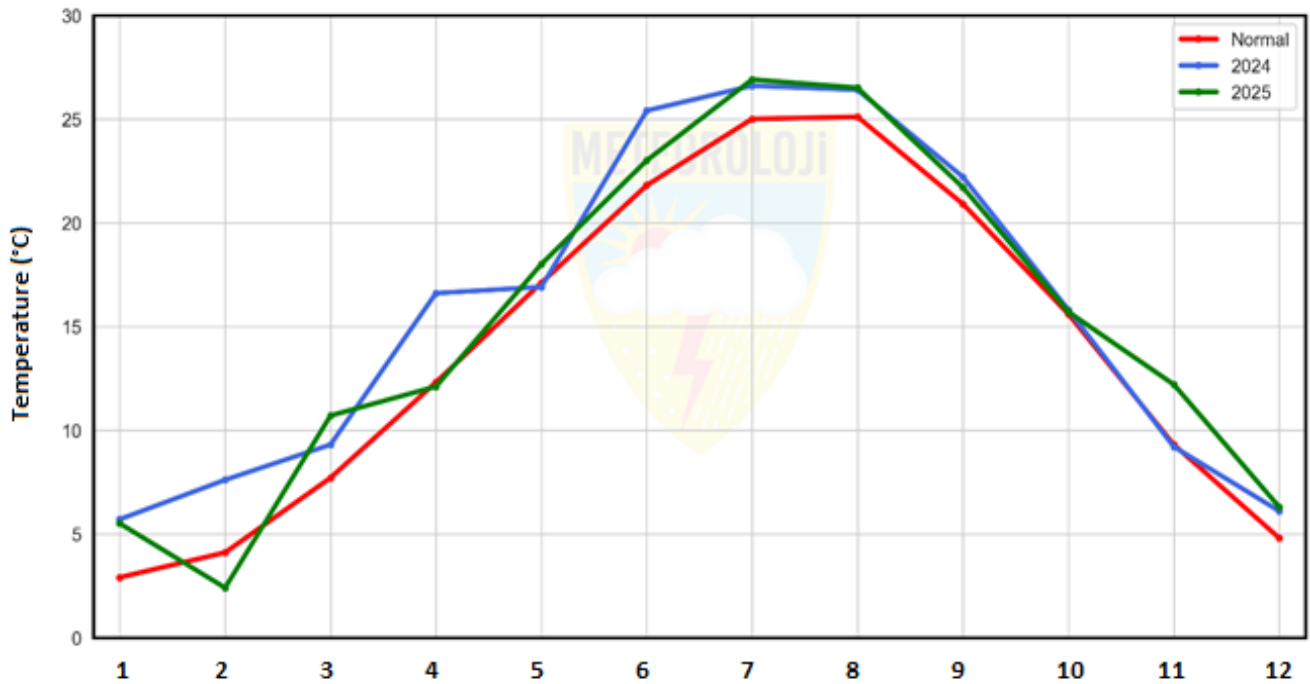


Figure 2. 4 The difference of the monthly mean temperature in 2025 from normal (1991-2020) (Url 1).

The monthly mean temperature in December was above seasonal normal.

2.1. Regional Temperature

Regional temperatures were above their normal in all regions except the Eastern Anatolia region (Fig. 2.4).

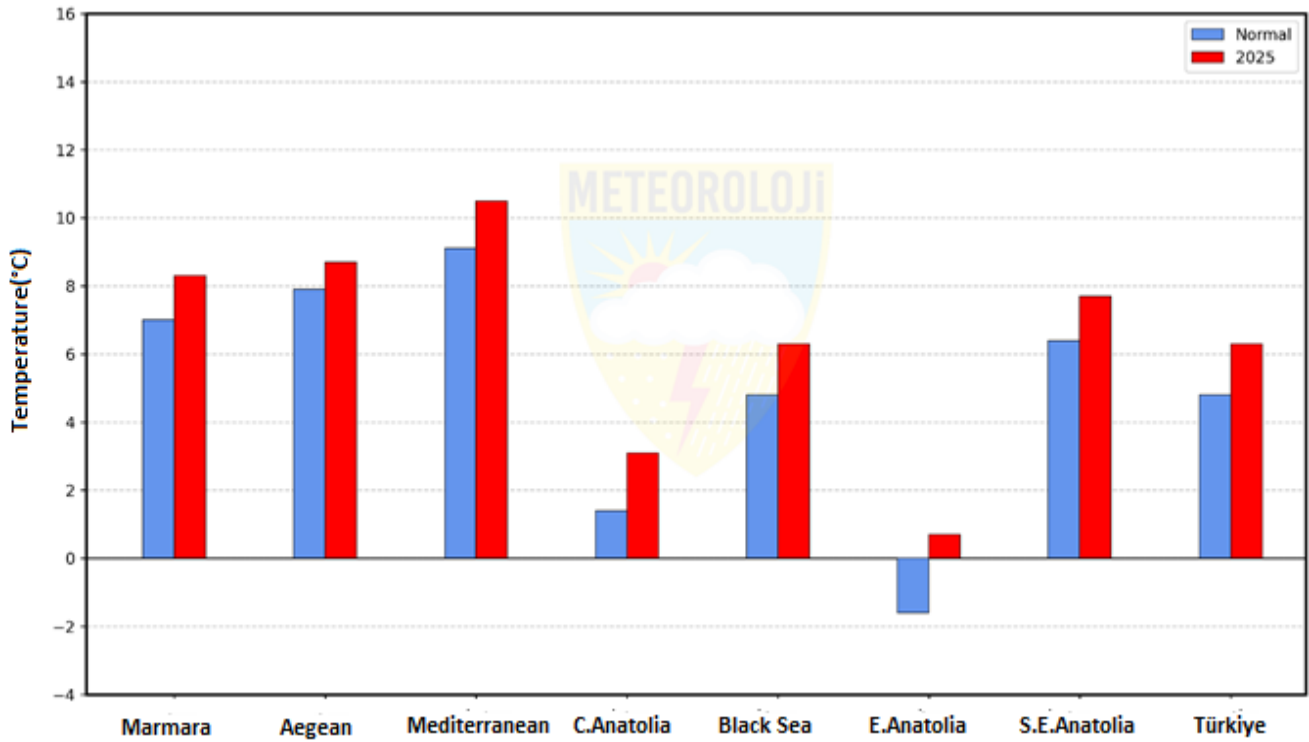


Figure 2. 4 Regional mean temperature differences in December 2025 (Url 1).

2.2. Extreme Temperature

The lowest temperature was observed in Özalp with -25.7°C and the highest temperature was observed in İskenderun with 25.6°C. There was 1 new extreme maximum temperature records observed.

3. Precipitation

Türkiye's areal mean precipitation in December 2025 was 60.1 mm. This value is approximately 21% below from the 1991-2020's normal (75.7 mm). (Fig. 3.1).

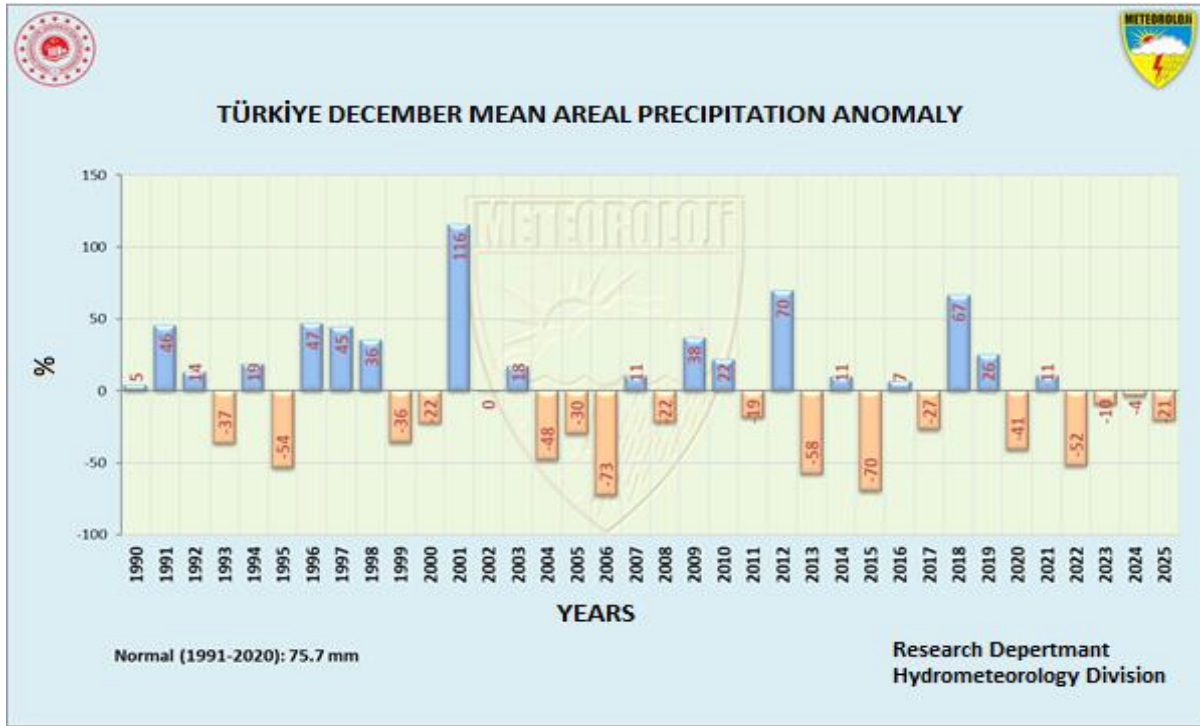


Figure 3. 1 Areal precipitation anomaly in December in Türkiye (Url 2).

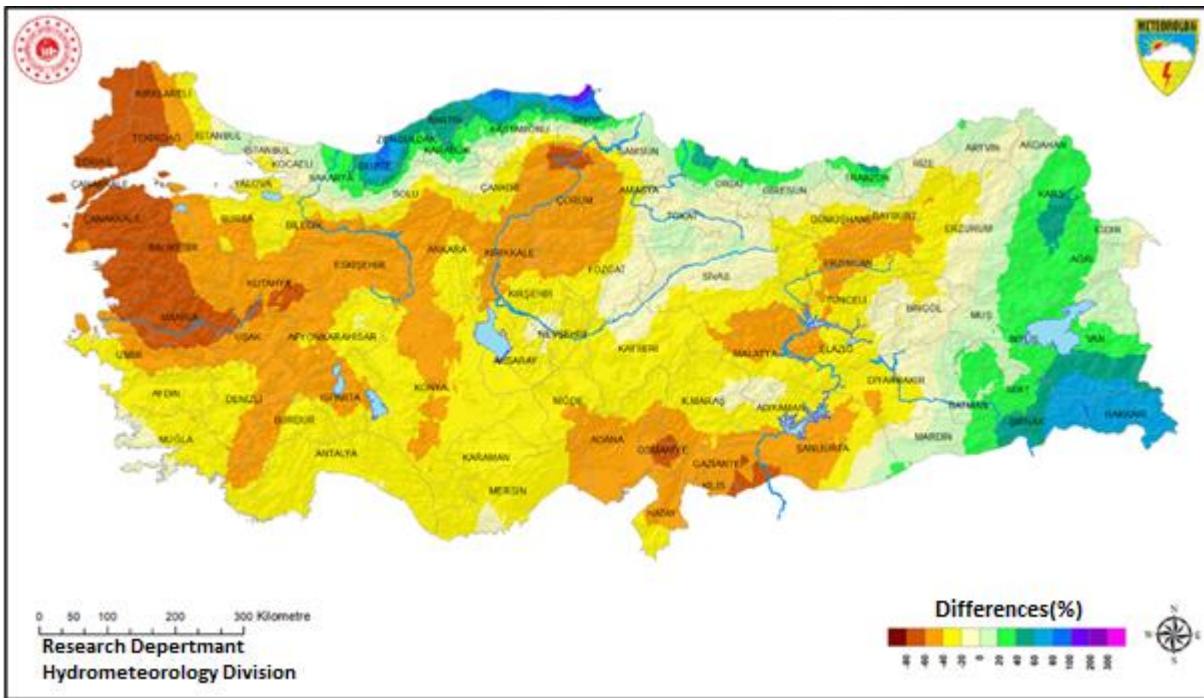


Figure 3. 2 Spatial distribution of mean precipitation anomalies in December 2025 (Url 2).

In December 2025, regional precipitation was below normal except Black Sea and Eastren Anatolia. A decrease of more than 60% compared to normal was observed in Kırklareli, Tekirdağ, Edirne, Çanakkale, Balıkesir, Manisa, Uşak, Kütahya, Çorum, Osmaniye, Gaziantep and Kilis. Increase of more than %60 compared to normal was observed in Düzce, Zonguldak, Kastamonu, Sinop, Hakkari and Şırnak. In December, the highest precipitation was recorded in Zonguldak with 177.2 mm. The lowest precipitation was observed in Edirne with 21.0 mm. (Fig. 3.2).

3.1. Regional Precipitation

In December 2025, regional precipitation was below normal in except Black Sea and Eastren Anatolia. (Figure 3.3).



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

3.2. Rainy Days

The number of rainy days in December 2025 in Türkiye was above normal with 12.4 days (1991-2020 normal is 11.8 days). The number of rainy days were between 25-30 days in the Çanakkale, Balıkesir, Bursa, Sakarya, Düzce, Zonguldak, Karabük, Bartın, Kastamonu, Sinop and Samsun. Number of rainy day have been reduced to five (5) day in Edirne, Afyonkarahisar, Denizli, Antalya, Adana, Gaziantep and Erzurum. (Fig. 3.4).

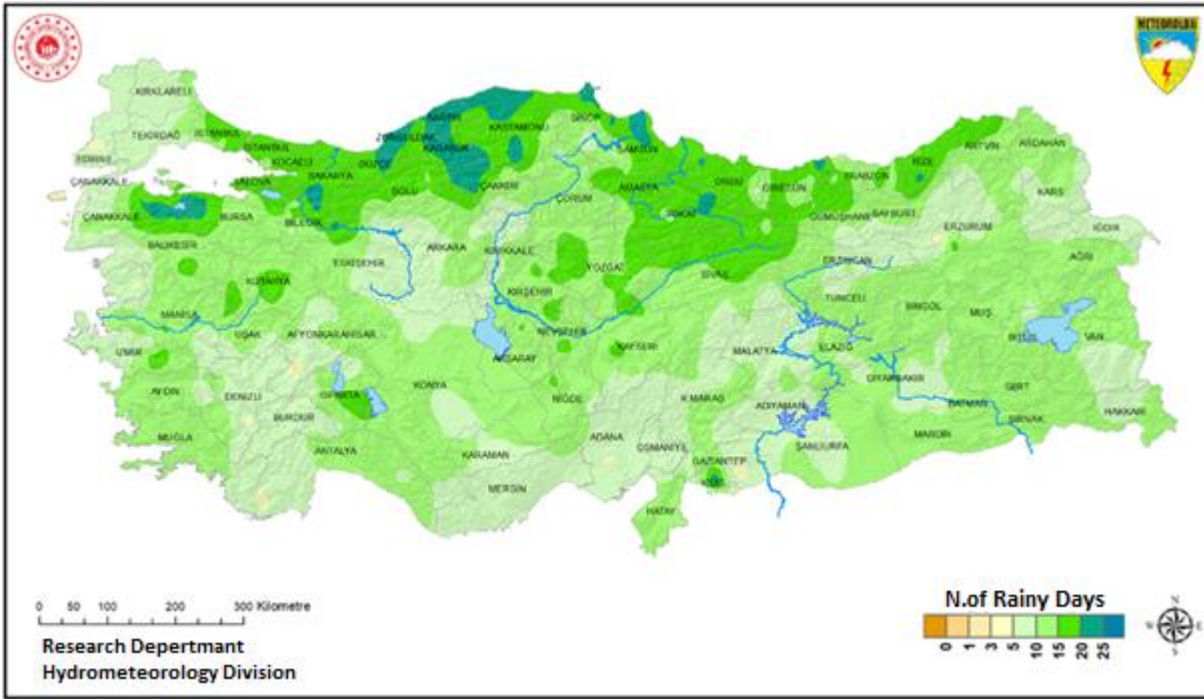


Figure 3.4 Number of rainy days in December 2025 (Url 2).

4. Extreme Meteorological Events

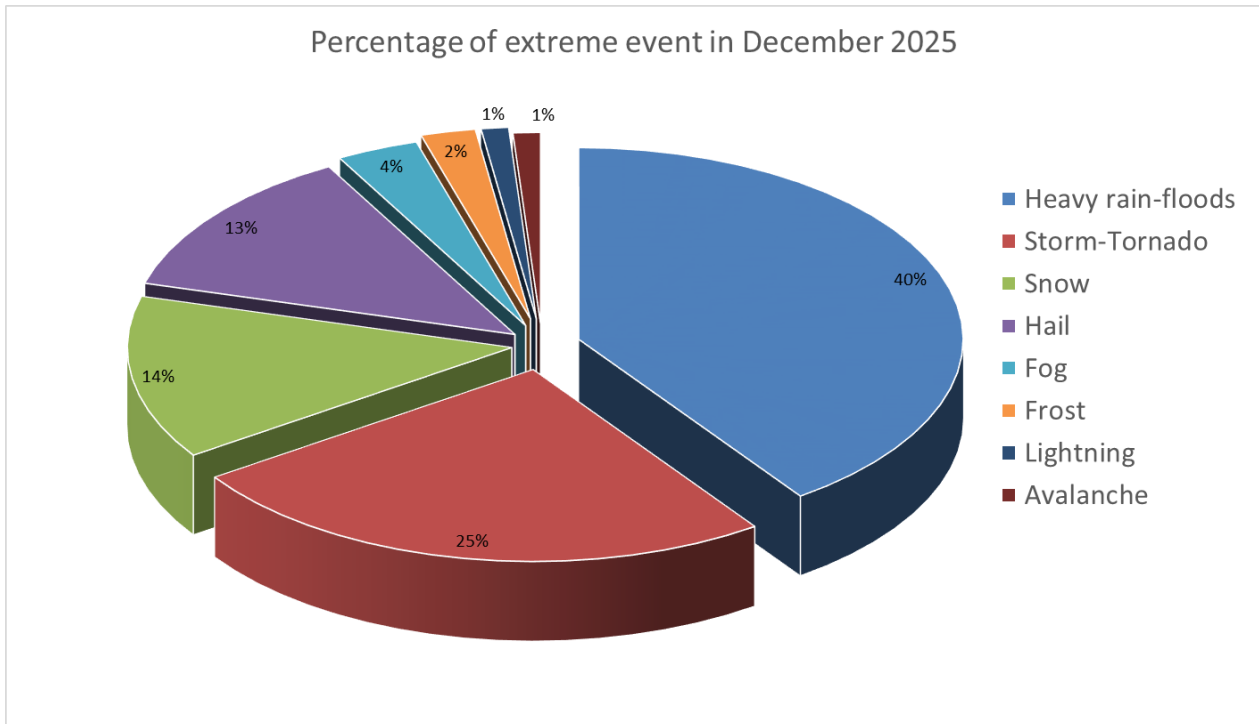


Figure 4.1. Percentage of extreme event in December 2025 (Url 3).

There are 87 extreme events have been reported in December 2025 in TSMS's Kardelen Database. Percentage of extreme events in December 2025 were heavy rain-flood (40%), storm-tornado (25%), snow (14%), hail (13%), fog (4%), frost (2%), lightning (1%), avalanche (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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