



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



State of the Climate in June 2026



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 June 2026

**Climate and Agricultural Meteorology
Department**

Research Department

2026

CONTENT

PREFACE.....	iii
1. Introduction.....	1
2. Temperature	1
3. Precipitation	7
4. Extreme Meteorological Events.....	11
References	12

PREFACE



The Turkish State Meteorological Service (TSMS), under the Ministry of Environment, Urbanization, and Climate Change, prepares monthly, seasonal, and annual climate analyses consisting of temperature and precipitation assessments in order to inform the public and raise awareness regarding climate conditions.

Climate is a key environmental factor that directly affects a wide range of sectors, particularly urban development, agriculture, water resources management, energy production, and transportation. Therefore, continuous monitoring and analysis of climatic conditions play a crucial role in the long-term planning processes of these sectors.

Located within the Mediterranean Basin, Türkiye is among the regions most vulnerable to the adverse impacts of climate change, including heat waves, forest fires, droughts, floods, storms, and hail events. In recent years, an increase has been observed in both the frequency and intensity of extreme meteorological events associated with changing climate conditions.

This bulletin presents an assessment of temperature and precipitation observations recorded during the previous month and compares them with the climatological normals for the period 1991–2020. In addition, the report includes analyses of extreme temperature and precipitation events across Türkiye, regional climate evaluations, basin-based precipitation assessments, and the number of precipitation days.

All climate reports prepared by the Turkish State Meteorological Service are publicly available through the “Analyses” section of the official website at <https://www.mgm.gov.tr>.

We hope that these reports will contribute to increasing public awareness of weather and climate events, incorporating climate considerations into sectoral planning activities, supporting the development of climate-resilient cities, and assisting decision-makers in adaptation and risk-reduction efforts related to food security and disaster management.

Sincerely,

Volkan Mutlu COŞKUN

Director General
Turkish State Meteorological Service

1. Introduction

- ✓ The 1991–2020 normal average temperature for June is 21.8°C, while the average temperature in June 2026 was 22.3°C.
- ✓ The lowest temperature was recorded in Ardahan at -1.4°C, while the highest temperature was recorded in Cizre at 43.5°C.
- ✓ In June 2026, average temperatures were below the seasonal normals around Antakya. They were above the seasonal normals in Edirne, Çorlu, Tekirdağ, Sarıyer, Kumköy, Kadıköy, Kocaeli, Sakarya, Gökçeada, Çanakkale, Bursa, Yalova, Balıkesir, Uzunköprü, İpsala, Florya, Geyve, Gönen, the coastal parts of the Aegean Region, Dursunbey, Tavşanlı, Burhaniye, Bergama, Nazilli, Isparta, Fethiye, Alanya, Anamur, Mersin, Kaş, Eğirdir, Manavgat, Kale-Demre, Samandağ, Eskişehir, Akçakoca, Bartın, Zonguldak, Sinop, Samsun, Bolu, Düzce, Boyabat, Nallıhan, Gaziantep, Adıyaman, Mardin, Şırnak and Kahta. In the remaining parts of Türkiye, average temperatures were around the seasonal normals.
- ✓ The 1991–2020 normal average temperature for June is 21.8°C, while the average temperature in June 2026 was 22.3°C. Therefore, the average temperature in June 2026 was 0.5°C above the 1991–2020 normal for June.
- ✓ The areal average precipitation in June 2026 was 23.7 mm, approximately 30% below the 1991–2020 long-term average of 33.6 mm. The highest precipitation was recorded in Rize at 121.1 mm, while the lowest precipitation was recorded in Mardin at 0.3 mm. Precipitation decreased by 30% compared with the normal and increased by 90% compared with the June precipitation of the previous year, which was 12.5 mm.
- ✓ In June, precipitation increased by more than 80% compared with the normals in Aydın, Muğla, Manisa, Uşak, Denizli, Burdur and Isparta, the southwestern parts of Afyonkarahisar and the northwestern parts of Antalya. In contrast, precipitation decreased by more than 80% across most of the Marmara and Southeastern Anatolia regions, as well as in the northern Aegean Region and around Bartın, Sinop, Kastamonu, Samsun, Mersin, Hatay and Kaş.
- ✓ At the provincial level, the highest precipitation was recorded in Rize at 121.1 mm, while Mardin received the lowest precipitation at 0.3 mm. Compared with the normal, the largest increase was recorded in Muğla at 30%, whereas the largest decrease was recorded in

Mardin at 95%. Bartın recorded its lowest June precipitation in the last 23 years, Mardin in the last 20 years and Giresun in the last 13 years.

2. Temperature

In June 2026, average temperatures were below the seasonal normals around Antakya. They were above the seasonal normals in Edirne, Çorlu, Tekirdağ, Sarıyer, Kumköy, Kadıköy, Kocaeli, Sakarya, Gökçeada, Çanakkale, Bursa, Yalova, Balıkesir, Uzunköprü, İpsala, Florya, Geyve, Gönen, the coastal parts of the Aegean Region, Dursunbey, Tavşanlı, Burhaniye, Bergama, Nazilli, Isparta, Fethiye, Alanya, Anamur, Mersin, Kaş, Eğirdir, Manavgat, Kale-Demre, Samandağ, Eskişehir, Akçakoca, Bartın, Zonguldak, Sinop, Samsun, Bolu, Düzce, Boyabat, Nallıhan, Gaziantep, Adıyaman, Mardin, Şırnak and around Kahta. In the remaining parts of Türkiye, average temperatures were around the seasonal normals.

The average temperature in June 2026 was 22.3°C, 0.5°C above the 1991–2020 June normal of 21.8°C (Figures 2.1 and 2.2).

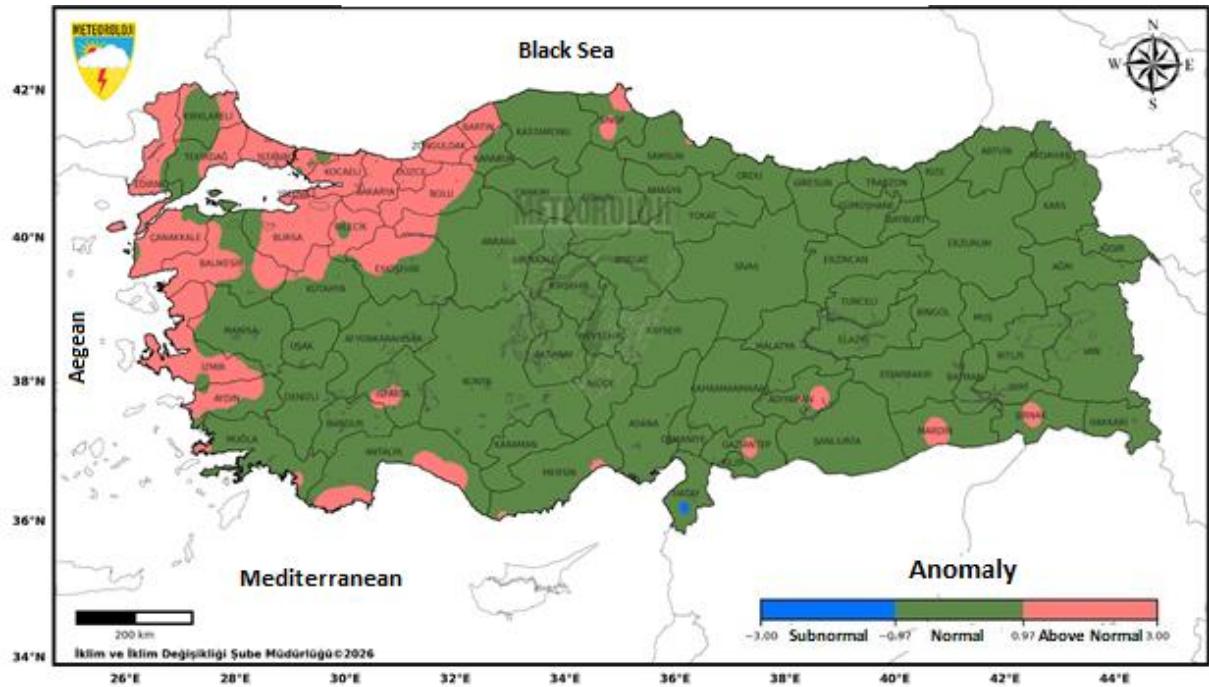


Figure 2.1 Spatial mean temperature anomalies for June 2026

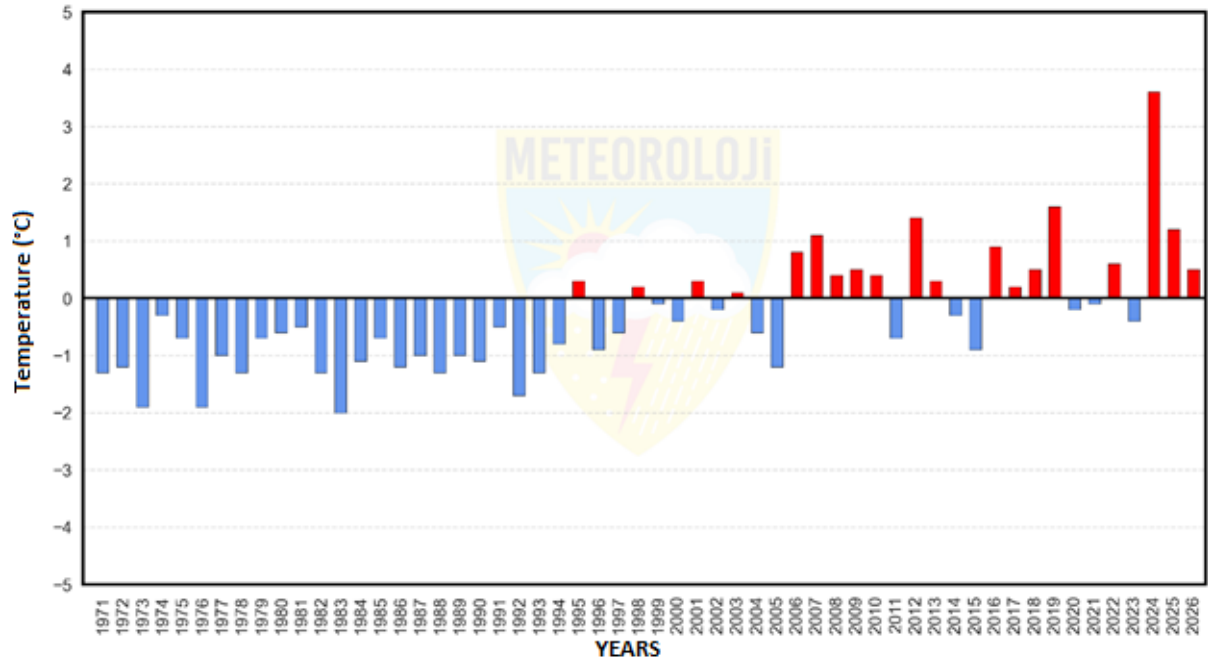


Figure 2.2 Mean temperature anomaly for June in Türkiye

Regarding average temperature anomalies, positive anomalies were observed across all of Türkiye, except for the eastern parts of Central Anatolia and the northern parts of the Eastern Anatolia Region (Figure 2.3).

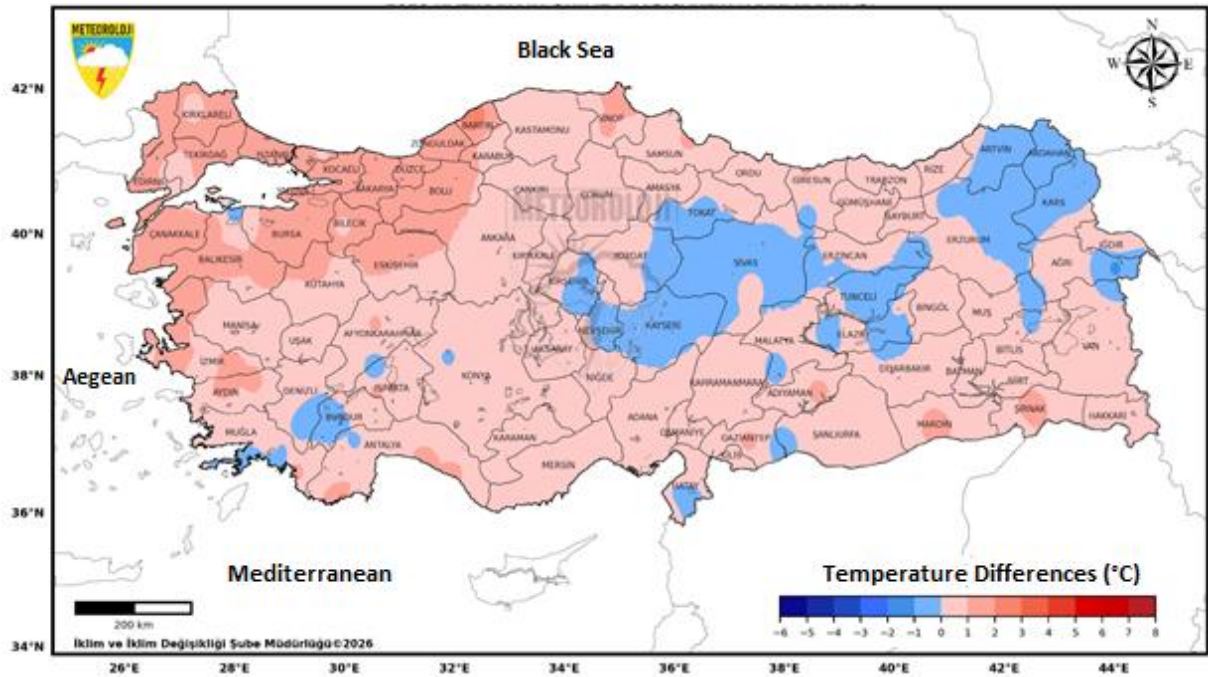


Figure 2.3 Mean temperature anomalies for June 2026

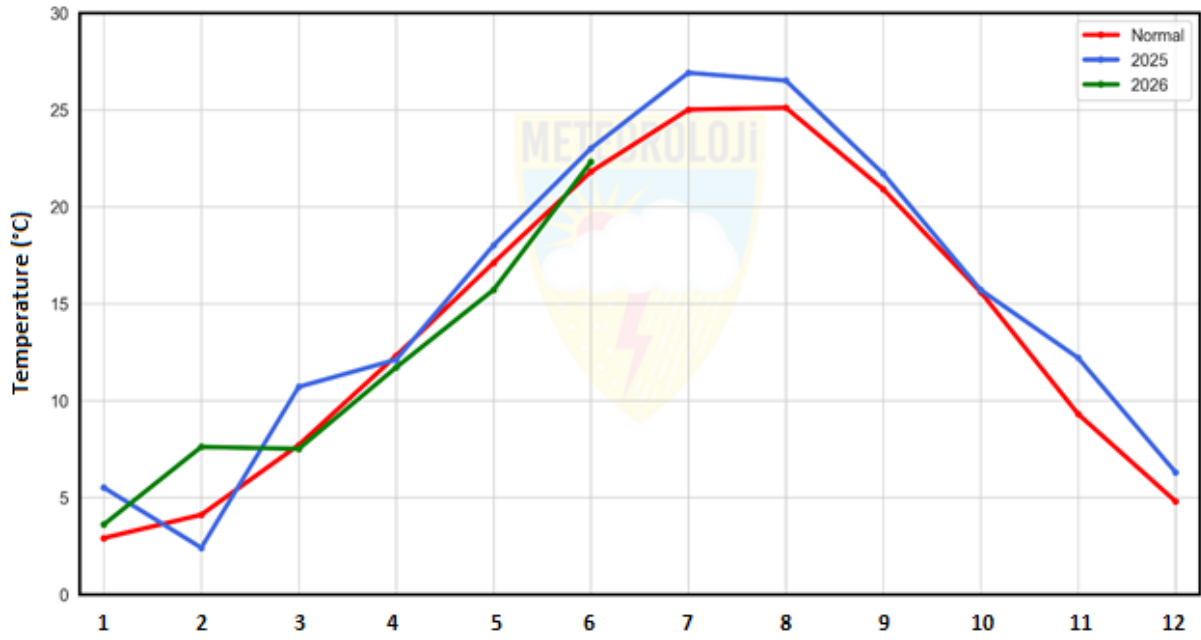


Figure 2.4 Comparison of June 2026 mean temperatures with the long-term average and the previous year

According to Figure 2.4, mean temperatures during the first six months of 2026 varied from month to month. In January, the mean temperature was above the long-term average but below the 2025 value. In February, the mean temperature was notably higher than both the long-term average and the previous year. Temperatures in March and April were generally close to the long-term average, whereas the mean temperature in May remained below both the normal and the 2025 value. The mean temperature in June 2026 was 22.3°C, which was 0.5°C above the long-term average of 21.8°C, but slightly below the June 2025 mean temperature.

2.1. Regional Temperature

Marmara Region: Average temperatures were above the seasonal normals around Edirne, Çorlu, Tekirdağ, Sarıyer, Kumköy, Kadıköy, Kocaeli, Sakarya, Gökçeada, Çanakkale, Bursa, Yalova, Balıkesir, Uzunköprü, İpsala, Florya, Geyve and Gönen (Balıkesir), while they were around the seasonal normals in the remaining parts of the region. The long-term average temperature for June in the region is 22.0°C, whereas the average temperature in June 2026 was 23.2°C. Regarding extreme temperatures, the lowest temperature in the region was recorded in Balıkesir at 9.3°C, while the highest temperature was recorded in Lüleburgaz at 38.0°C.

Aegean Region: Average temperatures were above the seasonal normals around Edremit, Ayvalık, Dikili, İzmir, Çeşme, Kuşadası, Aydın, Bodrum, Dursunbey, Tavşanlı, Burhaniye, Bergama, Seferihisar, Ödemiş and Nazilli, while they were around the seasonal normals in the remaining parts of the region. The long-term average temperature for June in the region is 23.7°C, whereas the average temperature in June 2026 was 24.5°C. Regarding extreme temperatures, the lowest temperature in the region was recorded in Gediz at 7.7°C, while the highest temperature was recorded in Nazilli at 41.1°C.

Mediterranean Region: Average temperatures were below the seasonal normals around Antakya and above the seasonal normals around Isparta, Fethiye, Alanya, Anamur, Mersin, Kaş, Eğirdir, Manavgat, Kale-Demre and Samandağ, while they were around the seasonal normals in the remaining parts of the region. The long-term average temperature for June in the region is 24.0°C, whereas the average temperature in June 2026 was 24.4°C. Regarding extreme temperatures, the lowest temperature in the region was recorded in Göksun at 5.8°C, while the highest temperature was recorded in Manavgat at 39.4°C.

Central Anatolia Region: Average temperatures were above the seasonal normals around Eskişehir, while they were around the seasonal normals in the remaining parts of the region. The long-term average temperature for June in the region is 19.3°C, whereas the average temperature in June 2026 was 19.6°C. Regarding extreme temperatures, the lowest temperature in the region was recorded in Kangal at 2.7°C, while the highest temperature was recorded in Çankırı at 35.6°C.

Black Sea Region: Average temperatures were above the seasonal normals around Akçakoca, Bartın, Zonguldak, Sinop, Samsun, Bolu, Düzce, Boyabat and Nallıhan, while they were around the seasonal normals in the remaining parts of the region. The long-term average temperature for June in the region is 19.8°C, whereas the average temperature in June 2026 was 20.5°C. Regarding extreme temperatures, the lowest temperature in the region was recorded in İspir at 4.2°C, while the highest temperature was recorded in Beypazarı at 36.2°C.

Eastern Anatolia Region: Average temperatures were around the seasonal normals throughout the region. The long-term average temperature for June in the region is 19.1°C, while the average temperature in June 2026 was 19.2°C. Regarding extreme temperatures, the lowest temperature in the region was recorded in Ardahan at -1.4°C, while the highest temperature was recorded in Iğdır at 37.5°C.

Southeastern Anatolia Region: Average temperatures were above the seasonal normals around Gaziantep, Adıyaman, Mardin, Şırnak and Kahta, while they were around the seasonal normals in the remaining parts of the region. The long-term average temperature for June in the region is 27.2°C, whereas the average temperature in June 2026 was 27.9°C. Regarding extreme temperatures, the lowest temperature in the region was recorded in Diyarbakır at 8.6°C, while the highest temperature was recorded in Cizre at 43.5°C (Figure 2.5).

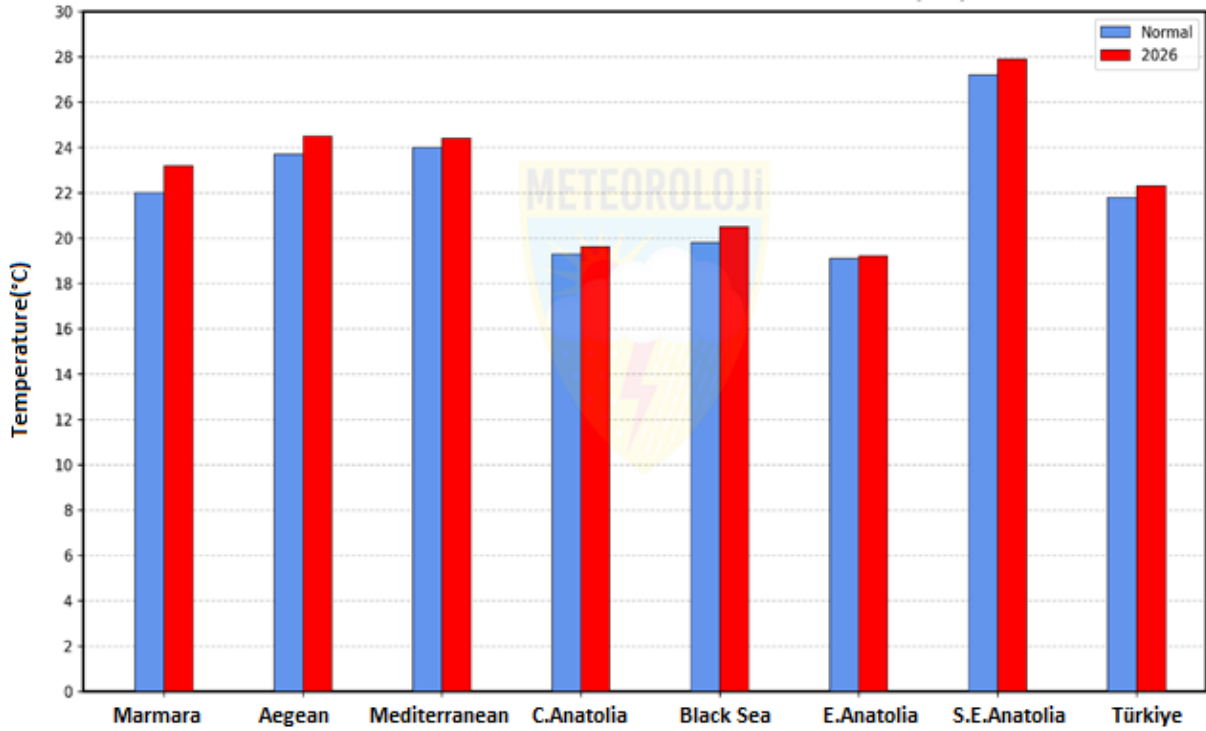


Figure 2. 5 Regional mean temperature differences in June 2026 (URL 1).

2.2. Extreme Temperature

In June 2026, one new extreme minimum temperature record was observed (Table 2.1).

Table 2.1. Minimum temperature records broken in June 2026.

Record Low Temperatures (°C)					
Day	Month	Station	2026	Previous Record (up to 2025)	Difference
1	June	Bitlis	4.6	5.2	-0.6

3. Precipitation

In June 2026, precipitation across Türkiye was 30% below the normal (Figure 3.1; Table 3.1)

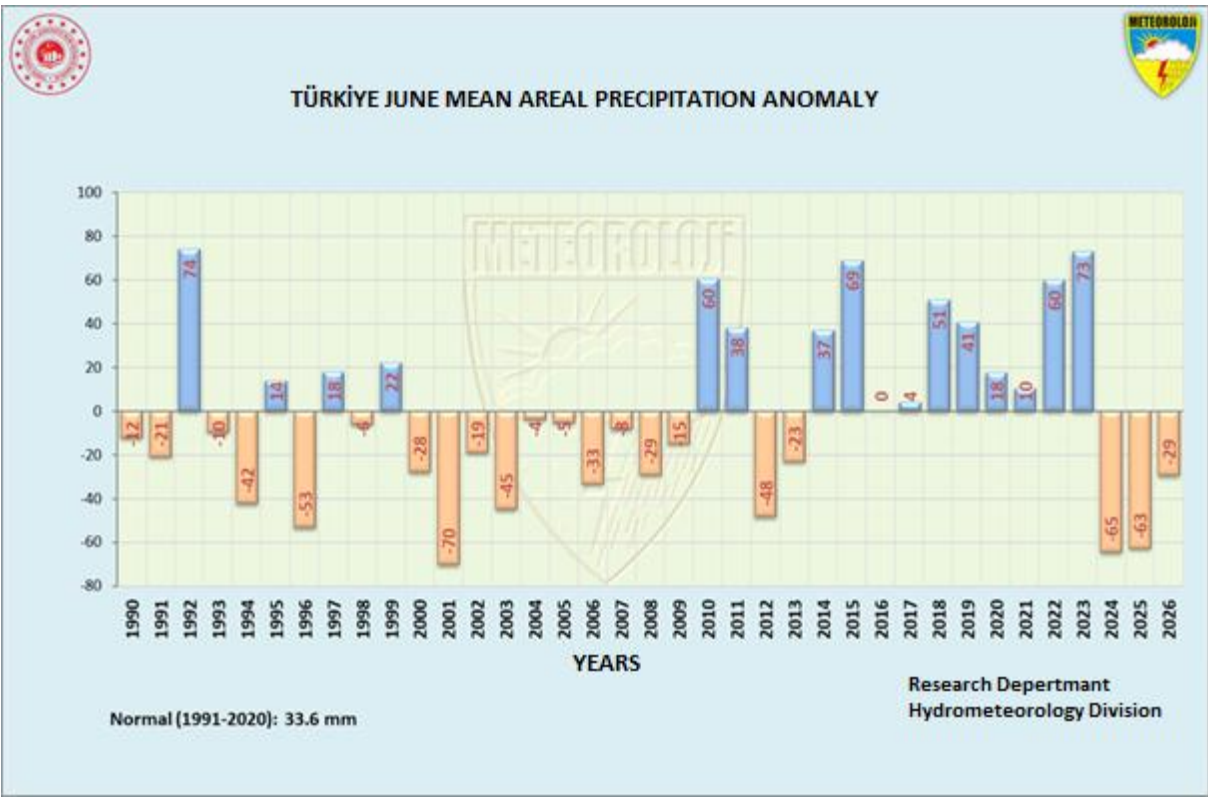


Figure 3.1. Departure of June 2026 precipitation totals from the long-term climatological normals.

Table 3.1. Nationwide precipitation in Türkiye in June 2026.

JUNE 2026 PRECIPITATION				
Türkiye	Precipitation (mm)	Normal (1991–2020) (mm)	Departure from Normal (%)	
Overall	23.7	33.6	30	Decrease

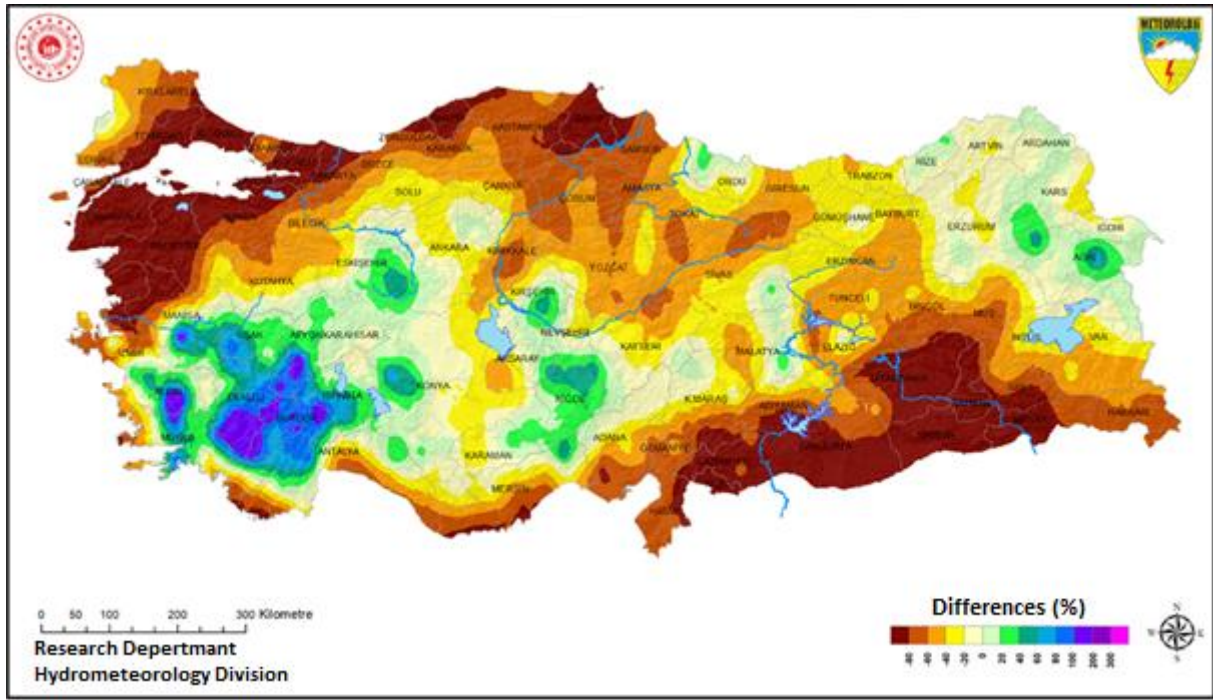


Figure 3.2. Deviation of June 2026 precipitation from the climatological normals.

Across Türkiye, the average precipitation in June 2026 was 23.7 mm. The June normal for the 1991–2020 period is 33.6 mm, while precipitation in June of the previous year was 12.5 mm. Thus, June precipitation was 30% below the normal but 90% higher than in June of the previous year.

Precipitation increased by more than 80% compared with the normals in Aydın, Muğla, Manisa, Uşak, Denizli, Burdur and Isparta, as well as in the southwestern parts of Afyonkarahisar and the northwestern parts of Antalya. In contrast, precipitation decreased by more than 80% across most of the Marmara and Southeastern Anatolia regions, the northern Aegean, and around Bartın, Sinop, Kastamonu, Samsun, Mersin, Hatay and Kaş.

At the provincial level, the highest precipitation was recorded in Rize at 121.1 mm, while Mardin received the lowest precipitation at 0.3 mm. Compared with the normal, the largest increase was observed in Muğla at 30%, whereas the largest decrease was recorded in Mardin at 95%. The lowest June precipitation of the last 23 years was recorded in Bartın, of the last 20 years in Mardin, and of the last 13 years in Giresun.

3.1. Regional Precipitation

Across the country, June precipitation was below the normal in all regions except the Mediterranean Region.

In the Marmara Region, Edirne received the highest precipitation at 23.2 mm, while Çanakkale received the lowest precipitation at 2.9 mm (Figure 2.6).

In the Aegean Region, Afyonkarahisar received the highest precipitation at 47.6 mm, while İzmir received the lowest precipitation at 7.1 mm.

In the Mediterranean Region, Burdur received the highest precipitation at 51.7 mm, while Hatay received the lowest precipitation at 9.6 mm.

In the Central Anatolia Region, Niğde received the highest precipitation at 40.5 mm, while Kırıkkale received the lowest precipitation at 18.1 mm.

In the Black Sea Region, Rize received the highest precipitation at 121.1 mm, while Sinop received the lowest precipitation at 9.6 mm.

In the Eastern Anatolia Region, Ardahan received the highest precipitation at 77.5 mm, while Elazığ received the lowest precipitation at 7.3 mm.

In the Southeastern Anatolia Region, Adıyaman received the highest precipitation at 5.2 mm, while Mardin received the lowest precipitation at 0.3 mm.

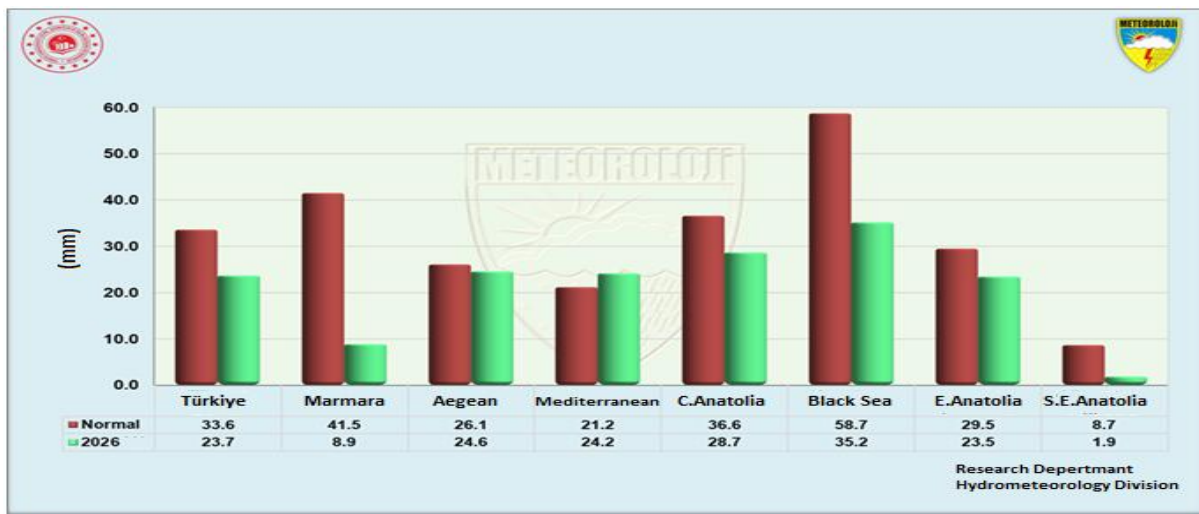


Figure 3.3 Regional Precipitation Differences in June 2026

3.2. Number of Rainy Days

Across Türkiye, the average number of rainy days in June was 4.8, compared with the 1991–2020 normal of 6.5 days. The number of rainy days ranged between 15 and 20 around Trabzon, Rize, Artvin, Bayburt, Erzurum, Ardahan, Kars, Iğdır and Ağrı, while it locally decreased to as low as one day in the Southeastern Anatolia Region and around Balıkesir, Manisa and İzmir.

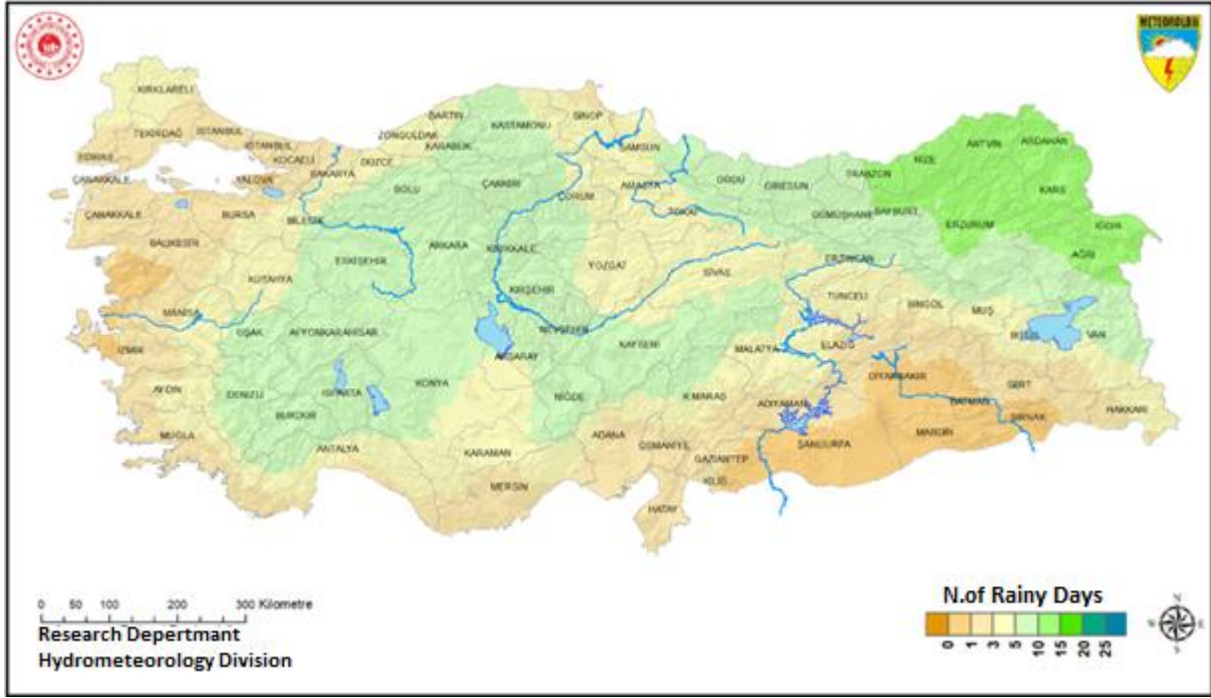


Figure 3.4 Number of rainy days in June 2026 (Url 2).

4. Extreme Meteorological Event

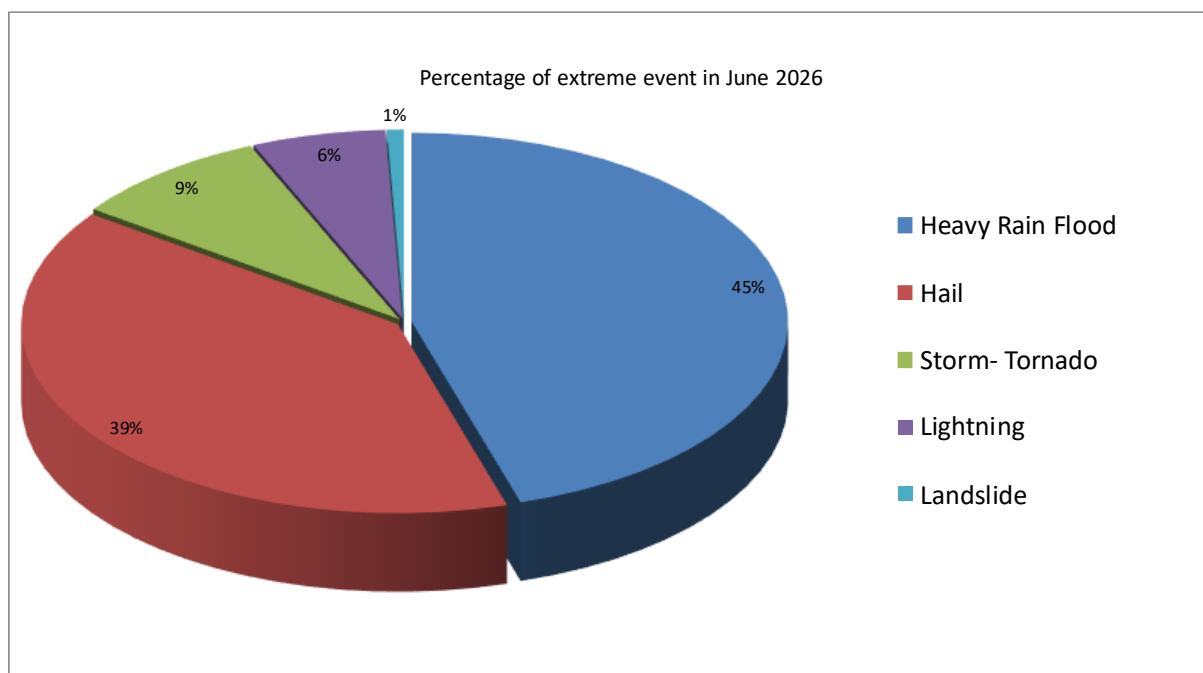


Figure 4.1. Percentage of extreme events in May 2026 (Url 3).

The chart presents the percentage distribution of extreme meteorological events recorded in June 2026. Heavy rain and flood events accounted for the largest share, at 45%, followed by hail events at 39%. Together, these two categories represented 84% of all recorded extreme events during the month. This indicates that convective weather systems, intense short-duration precipitation and associated flooding were the dominant types of extreme weather in June 2026.

Storm and tornado events accounted for 9% of the total. Although their share was considerably lower than that of heavy rain, floods and hail, they still represented a notable component of the monthly extreme-event distribution. Lightning events constituted 6%, while landslides had the smallest share, at only 1%.

Overall, the distribution shows that precipitation-related and convective weather events dominated the extreme-event profile of June 2026. The particularly high combined proportion of heavy rain, floods and hail suggests that severe showers and thunderstorms were the main drivers of extreme weather during the month. However, the chart presents only the relative frequency of event types and does not provide information on their intensity, duration, geographical extent or associated impacts.

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>

