

Country: Türkiye

Institute: Turkish State Meteorological Service

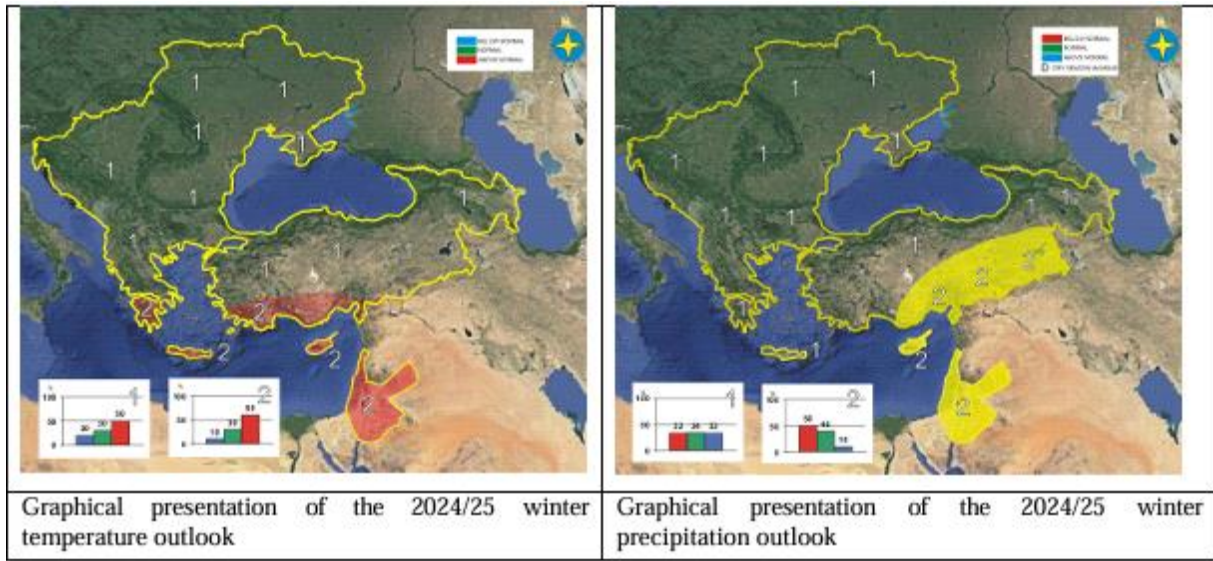
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Assessment of the seasonal forecast for the winter season

DJF 2024-2025

1. SEECOF-32 climate outlook for 2024/25 winter season:



According to the SEECOF-32 consensus, the statement temperature was expected to be above normal for the entire country, for the precipitation was expected below normal for southeastern parts of Türkiye.

2. Analysis of 2024/25 winter season:

The reference period is 1991-2020.

Türkiye's 1991-2020 winter mean temperature is 3.9 °C. The mean temperature of 2024/25 winter season was 4.7 °C and 0.8 °C above seasonal normal.

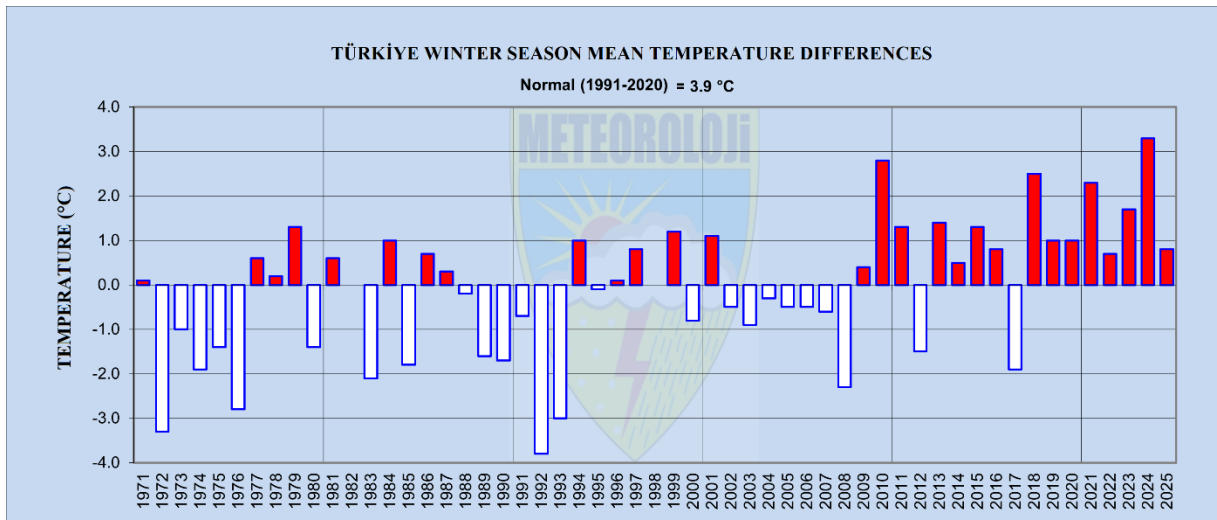


Figure 1. Türkiye Mean Temperature Anomalies in Winter Season

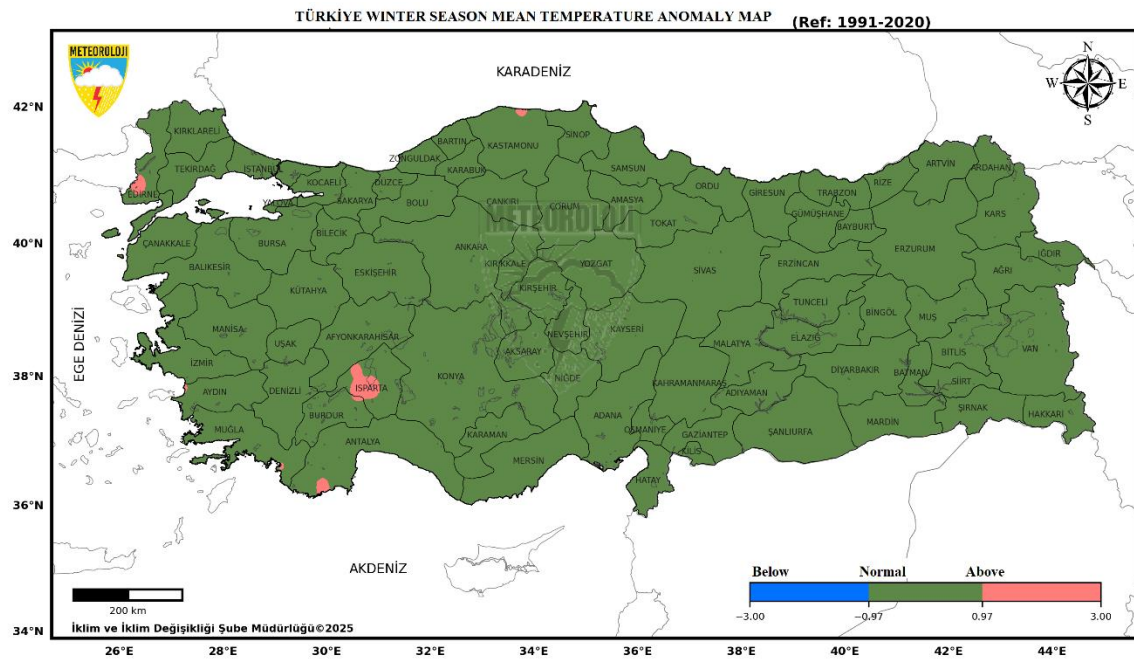


Figure 2. Türkiye Mean Temperature Anomalies in 2024/25 Winter Season (Ref: 1991-2020)

The temperature was observed near normal almost all over the country.

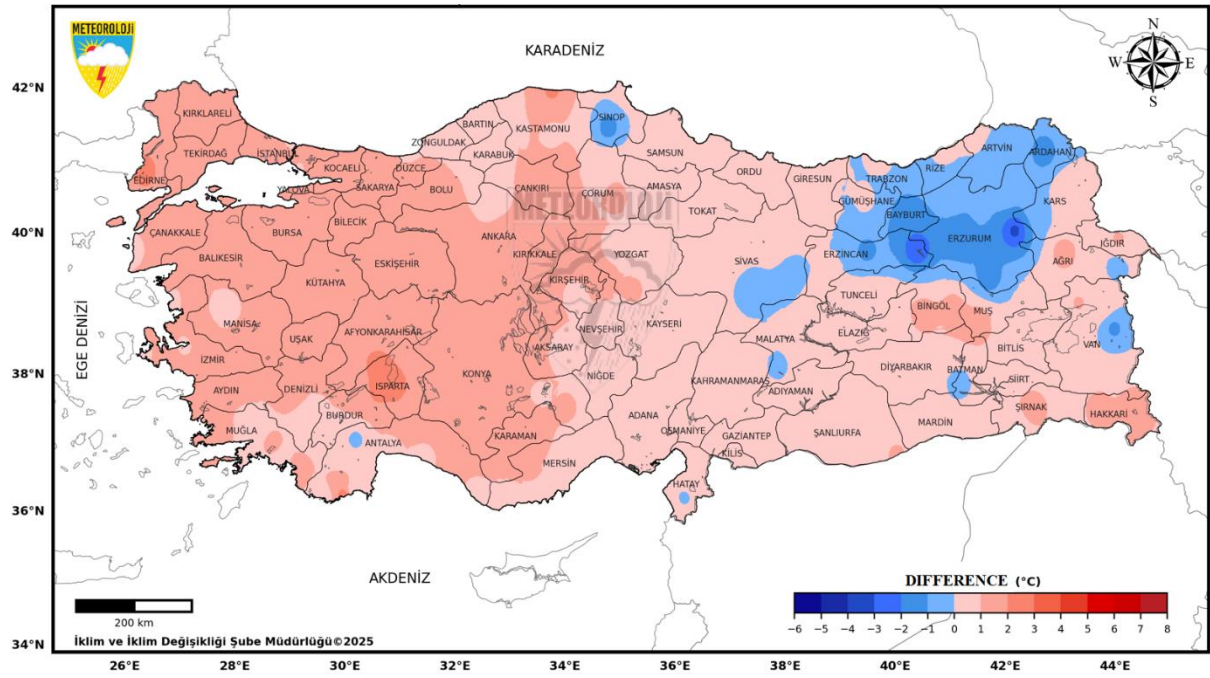


Figure 3. Türkiye Mean Temperature Differences in 2024/25 Winter Season (Ref: 1991-2020)

The temperature was above average in most of the country, except for the northeastern parts.

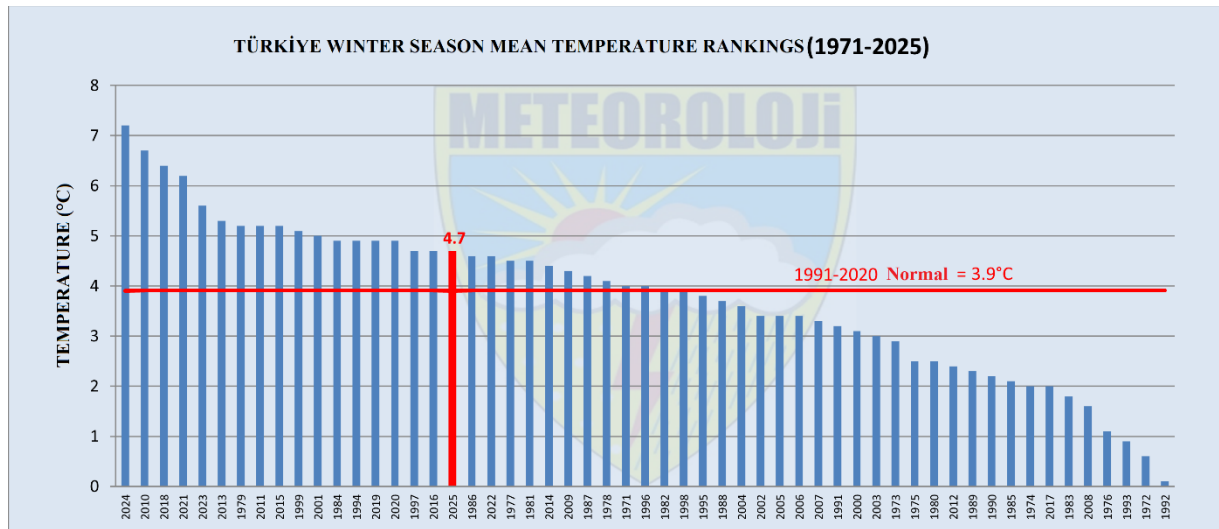


Figure 4. Rankings of the winter season temperature of Türkiye (1971-2023)

The winter season of 2024/25 marked as the 18th warmest winter in 55 years period (1971-2025).

Precipitation:

Türkiye's 1991-2020 winter season mean total precipitation is 205.3 mm. The mean total precipitation of 2024/25 winter season was 139.8 mm and % 32 below normal.

In General, precipitation was;

- Below normal in almost all of Türkiye, except for the Black Sea coastal areas.
- The highest decrease in precipitation occurred in the Southeastern Anatolia Region **with 61%.**

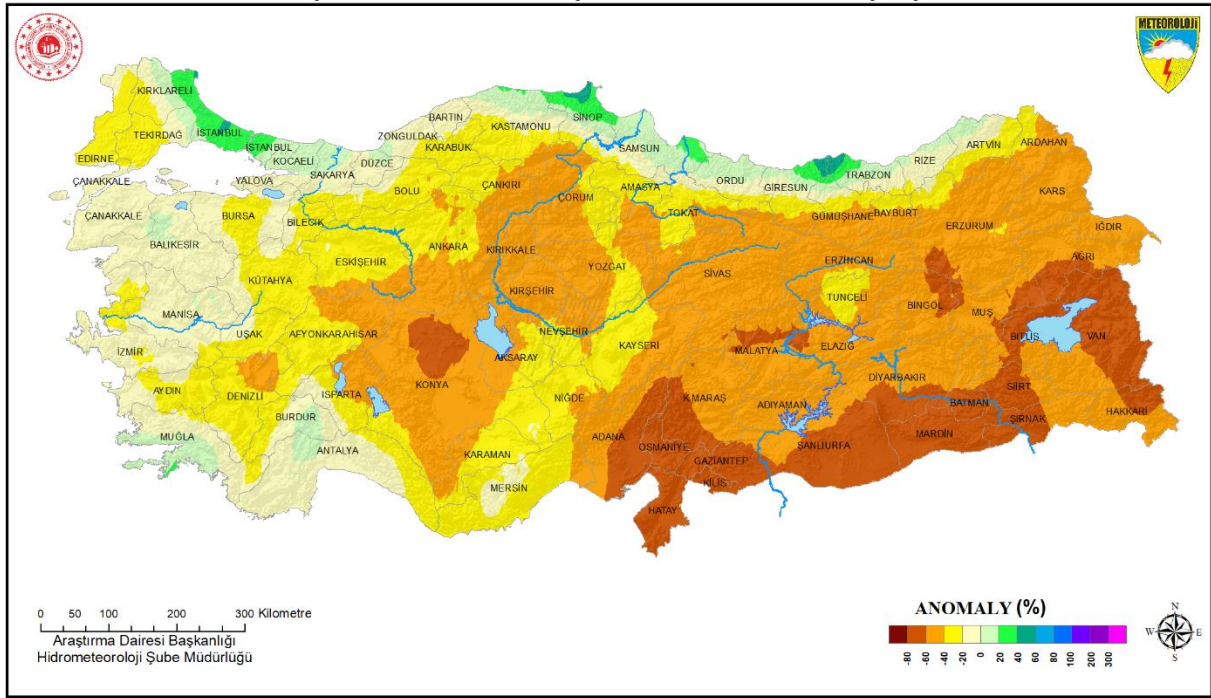


Figure 5 Türkiye Precipitation Anomalies in 2024/25 Winter Season

3. High Impact Events:

- During the winter season, Türkiye experienced 180 meteorological disasters. The most frequent types were snow, with 71 occurrences; storms, with 32; and heavy rain/floods, with 29.
- January 2025 was **the third hottest January** on record with an anomaly of 2.6°C.
- **2 stations** reached new **monthly maximum temperature** record in the 2024/25 winter season.

4. Verification of the SEECOF-32 climate outlook for 2024/25 winter season:

Country	Seasonal temperature DJF		Seasonal precipitation DJF	
	Observed	SEECOF-32 climate outlook for temperature	Observed	SEECOF-32 climate outlook for precipitation
Türkiye	Near or Above normal except northeastern parts	Above normal	Below normal at most parts And Above normal at Black Sea coastal	No clear signal for most parts and Below normal at southeastern parts