

Country: Türkiye

Institute: Turkish State Meteorological Service

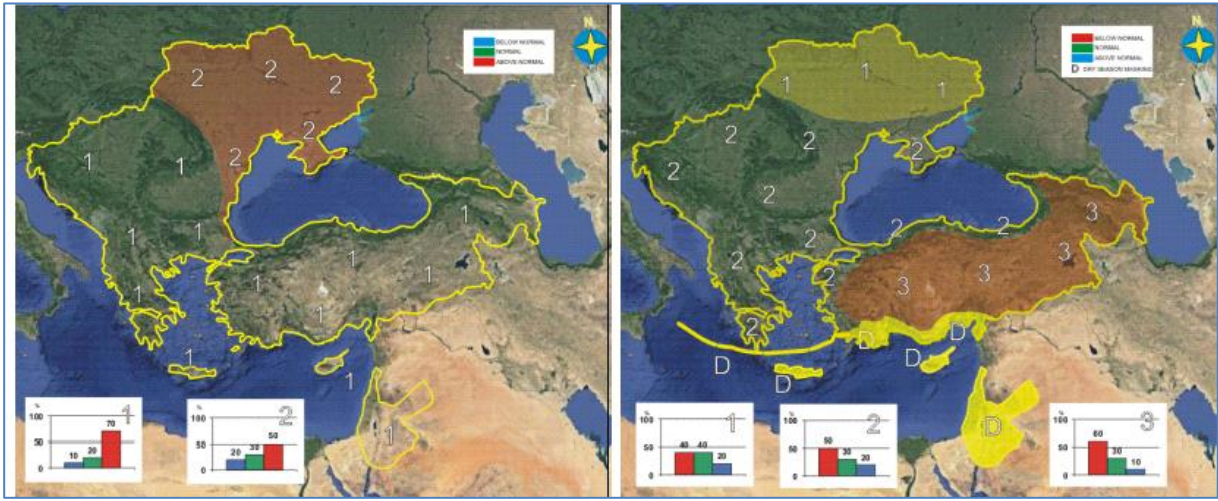
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## Assessment of the seasonal forecast for the summer season

JJA 2022

### 1. SEECOF-27 climate outlook for 2022 summer season:



According to SEECOF-27 consensus statement temperature was expected to be above normal for all across the country for the 2022 summer season, for precipitation it was expected to be below normal almost all over the Türkiye except coastal side of the Mediterranean region.

### 2. Analysis of 2022 summer season:

The reference period is 1991-2020.

Türkiye's 1991-2020 summer mean temperature is 24.0 °C. The mean temperature of 2022 summer season was 24.6 °C and 0.6 °C above than seasonal normal.

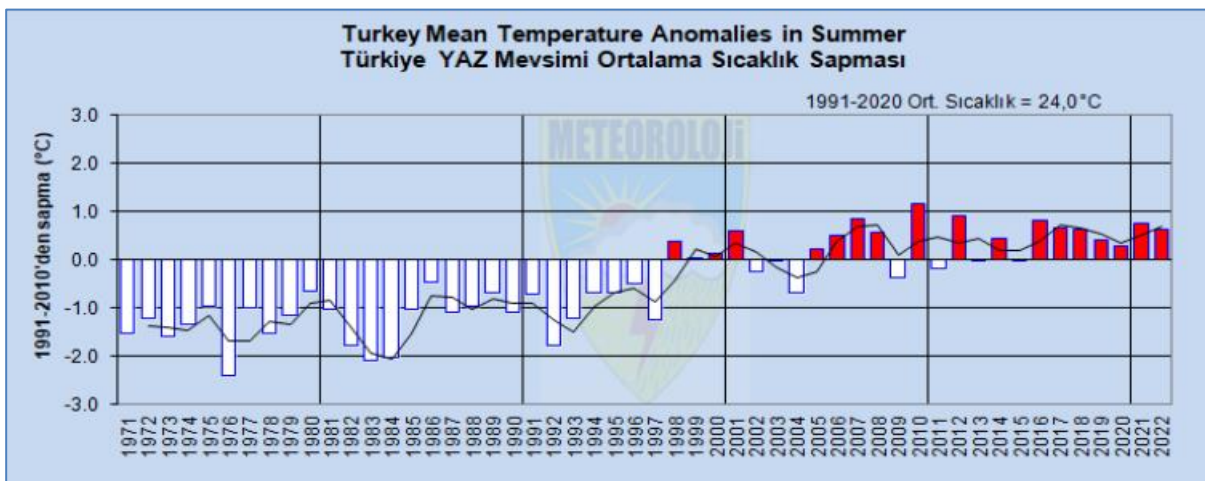


Figure 1 Türkiye Summer Season Mean Temperature Anomalies

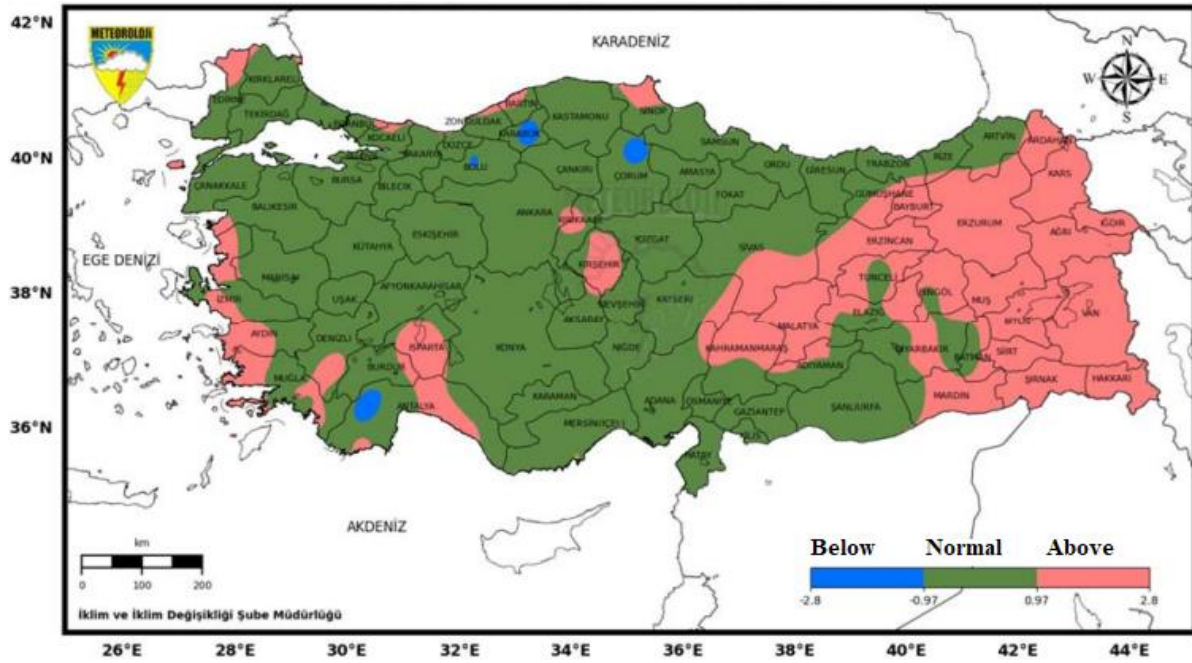


Figure 2 Türkiye Summer Season Mean Temperature Anomalies in 2022

The temperature was near normal in the western and inner parts of the country and above normal in the eastern parts of Türkiye.

### Precipitation:

Türkiye's 1991-2020 summer season mean total precipitation is 64.0 mm. The mean total precipitation of 2022 summer season was 78.3 mm and %22 above than seasonal normal.

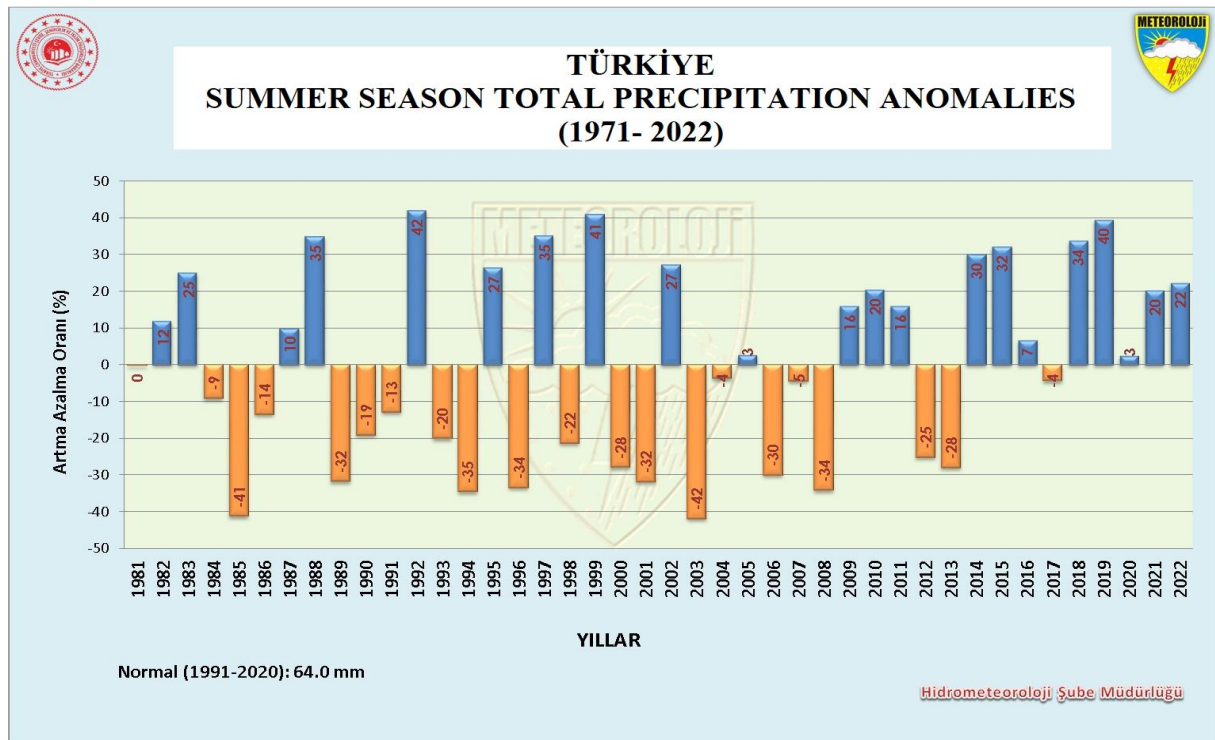


Figure 3 Türkiye Summer Season Total Precipitation Anomalies

In General, precipitation was;

- Below normal (**more than 50%**) in Southeastern Anatolia region and below normal at eastern part of the country.
- Above normal **more than 100%** at western parts of the country.

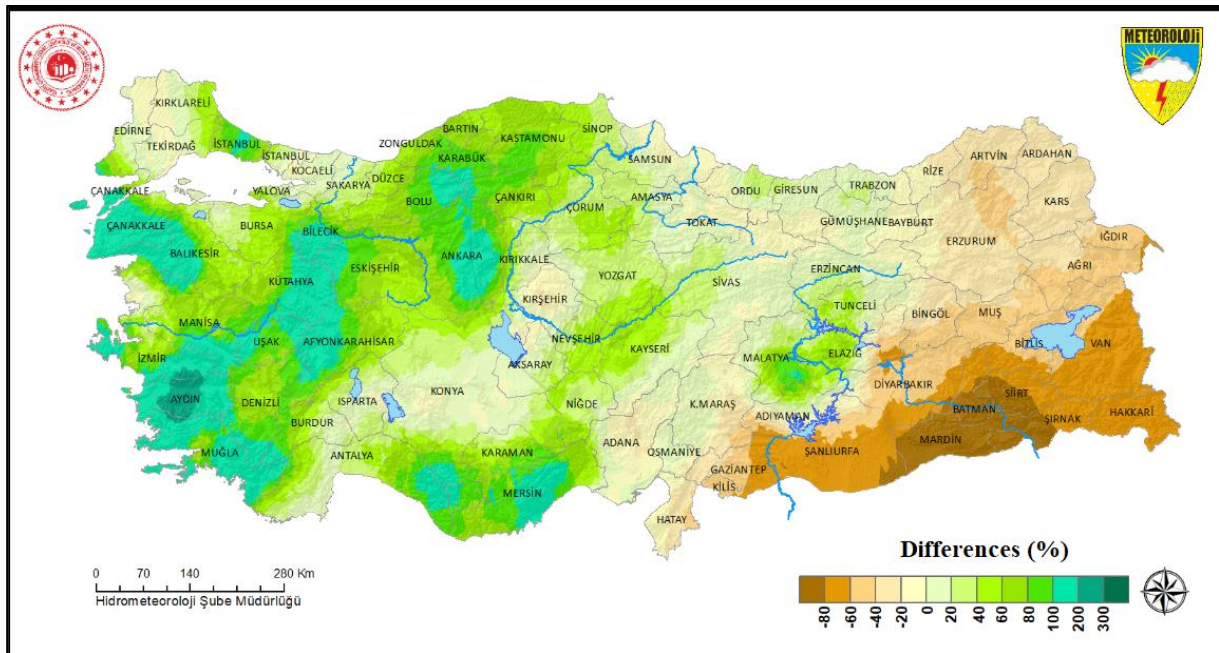


Figure 4 Türkiye Summer Season Total Precipitation Anomalies in 2022

### 3. High Impact Events:

- The summer season of 2022 was the 8th hottest summer season of the last 52 years (1971-2022).
- The August 2022 was the **3th hottest month** of the last 52 years (1971-2022).
- Maximum temperature record was broken in **6 stations** in the 2022 summer season.
- Extremely drought conditions experienced in the southeastern part of the Türkiye.

### 4. Verification of the SEECOF-27 climate outlook for 2022 summer season:

Country	Seasonal temperature JJA		Seasonal precipitation JJA	
	Observed	SEECOF-27 climate outlook for temperature	Observed	SEECOF-27 climate outlook for precipitation
Türkiye	Near normal at western and inner parts - Above normal at eastern parts	Above normal	Above normal at the western and inner parts - Below normal at eastern parts	Below normal