

**Country: Turkey**

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**Assessment of the seasonal forecast for the summer season**

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**1. SEECOF-15 Climate outlook for 2016 summer season:**

According to SEECOF-15 consensus statement, in 2016 summer season, Turkey was expected to have normal temperatures in general. For precipitation there was no significant signals.

**2. Analysis of the 2016 summer season:**

**Temperature of June 2016**

Temperature of June 2016 was around normal in the east and northern part of the central country, and also in the east and the southeast of the country. Temperature was below normal around the city of Bitlis and it was above normal in the rest of the country. Highest mean temperature of was observed in Cizre as 30,9 °C, and the lowest mean temperature was observed in Sarıkamış as 12,3 °C.

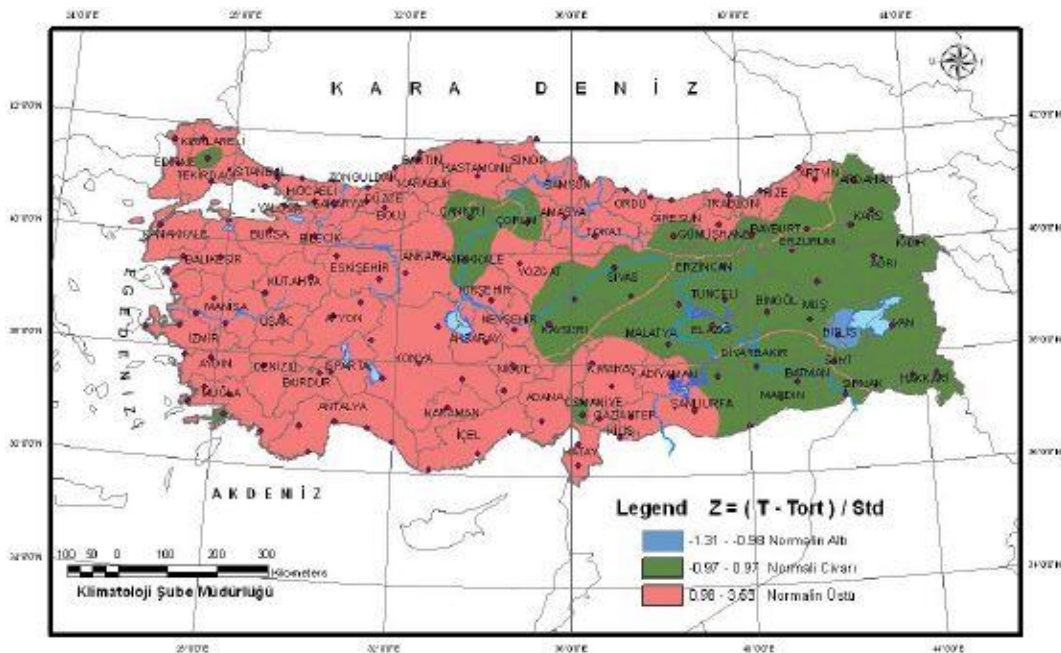


Figure 1. June-2016 Mean Temperature Anomalies

## Precipitation of June 2016

Precipitation of June 2016 was above normal in general, however it was lower than the previous year's precipitation. Mean precipitation of June is 33,7 mm, precipitation normal of June is 30,8 mm and the mean precipitation of June 2015 is 56,7 mm. Precipitation of June 2016 increased by 9.3% compared to the normal, and it decreased by 40,5% compared to previous year's precipitation.



Figure 2. June-2016 Precipitation Anomalies

## Temperature of July 2016

In July 2016, mean temperature values were above normal in the northern, east and most of the southeastern, northwestern regions of the country. Except from these regions, mean temperature was above normal. The lowest mean temperature of July 2016 as observed in Sarıkamış as 15,6 °C, and the highest mean temperature was observed in Cizre as 35,2 °C.

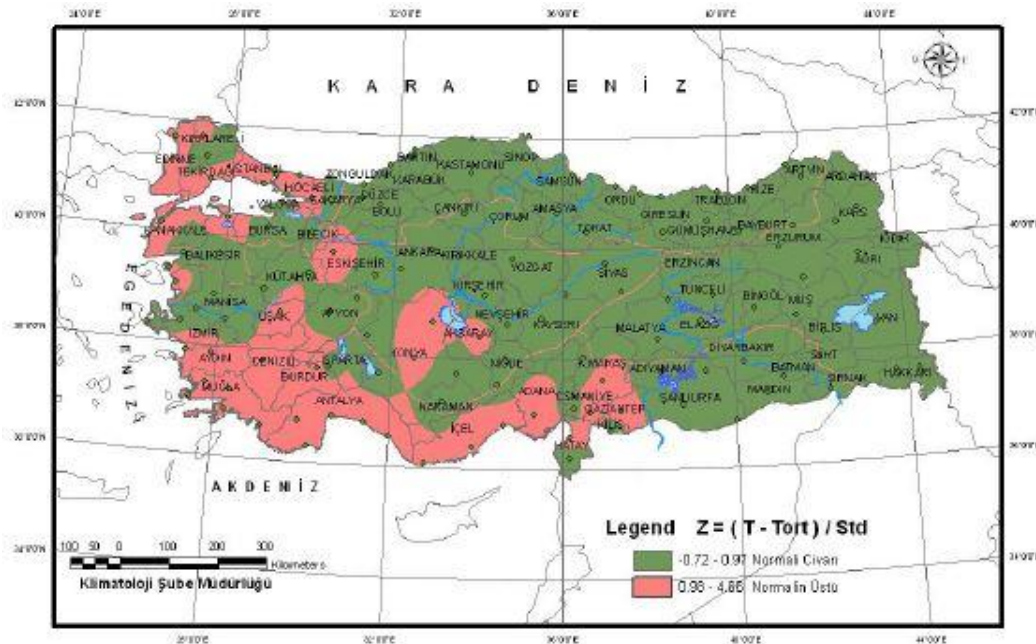


Figure 3. July-2016 Mean Temperature Anomalies

## Precipitation of July 2016

Precipitation of July 2016 was around normal in general and it was higher than last year's precipitation. Mean precipitation of July is 16,7 mm, precipitation normal of July is 16,7 mm and the precipitation of July 2015 is 5,8 mm. Precipitation of July 2016 was around normal, and it was more than 100% higher compared to July 2015 precipitation.

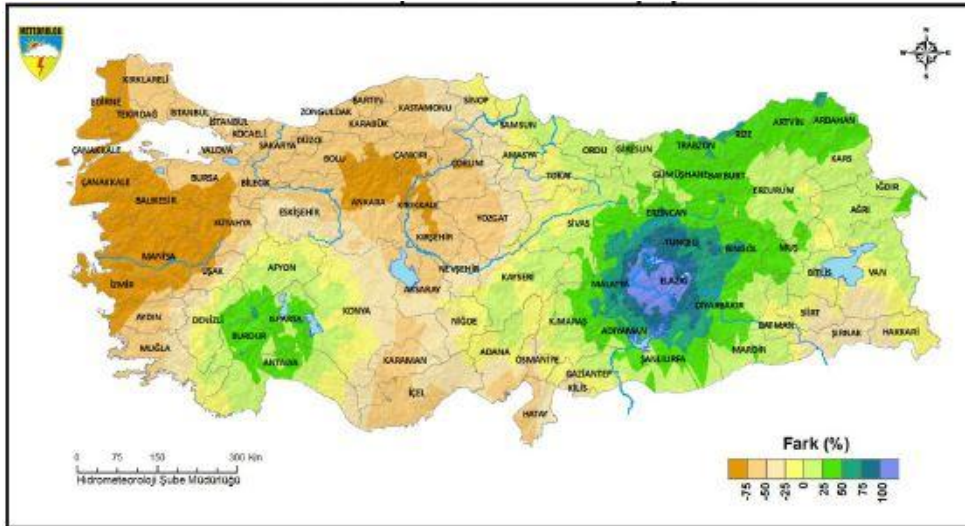


Figure 4. July-2016 Precipitation Anomalies

## Temperature of August 2016

Mean temperature of August 2016 was around normal in Aegean region except the cities of Muğla, Aydın, Edremit Ayvalık and Dikili; in the eastern and northern part of the central region of Turkey; and also in the northern part of the country except the coastal regions. Cities of Uzunköprü, Lüleburgaz, Balıkesir, Bilecik, Bolu, Isparta, Finike, Osmaniye, Hatay and Kars also had around normal temperatures. In August 2016, the lowest mean temperature was observed in Sarıkamış as 17,6 °C, and the highest mean temperature was observed in Cizre as 35,7 °C.

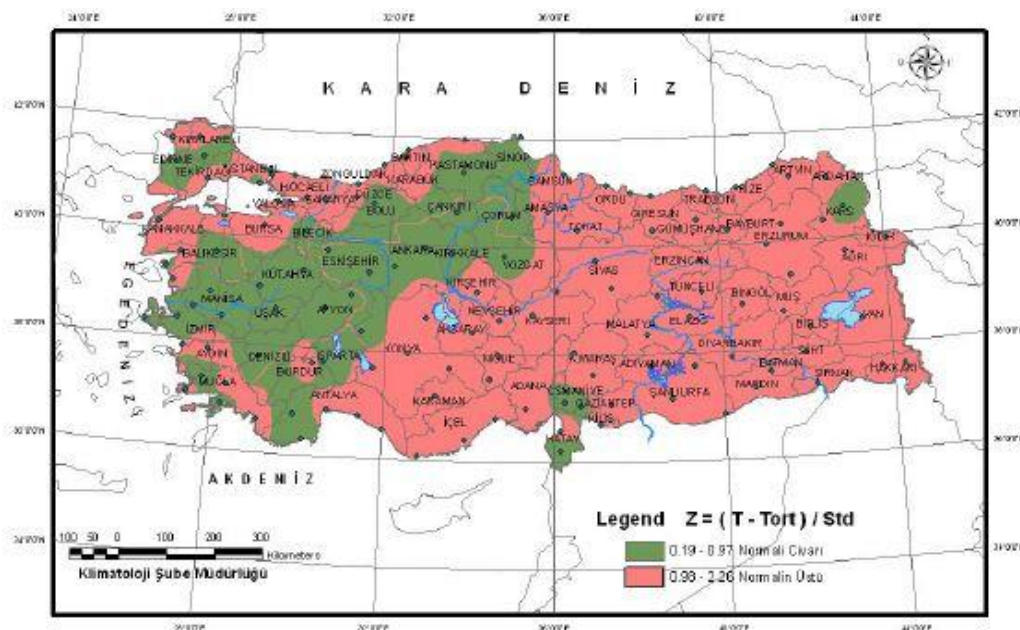


Figure 5. August-2016 Mean Temperature Anomalies

## Precipitation of August 2016

Precipitation in August 2016 was above normal in general, and it was less than August 2015 precipitation. Mean precipitation of the month August is 18,0 mm, normal of August precipitation 13,9 mm and August 2015 mean precipitation value is 22,1 mm. Precipitation was observed to increase by 29,5 % compared to normal and decrease by 18,6% compared to previous year's precipitation.

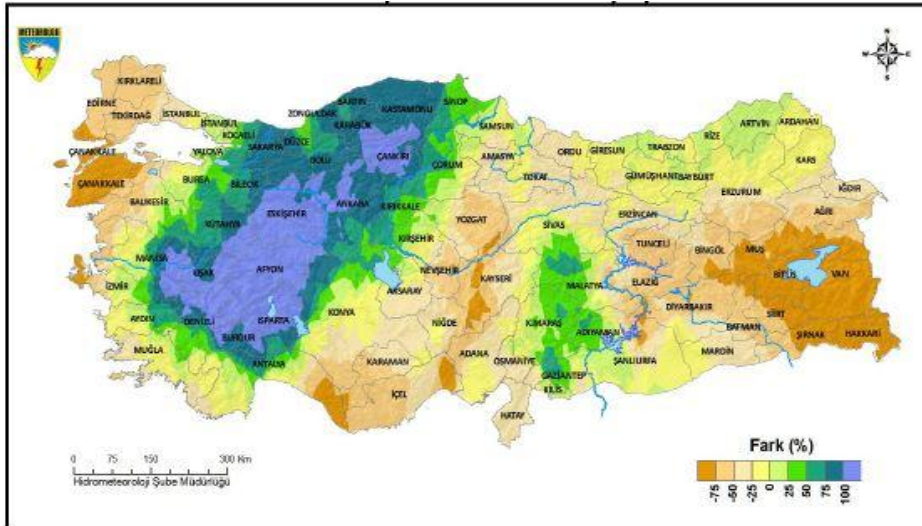


Figure 6. August-2016 Precipitation Anomalies

### 3. Verification of the SEECOF-15 climate outlook for 2016 summer season:

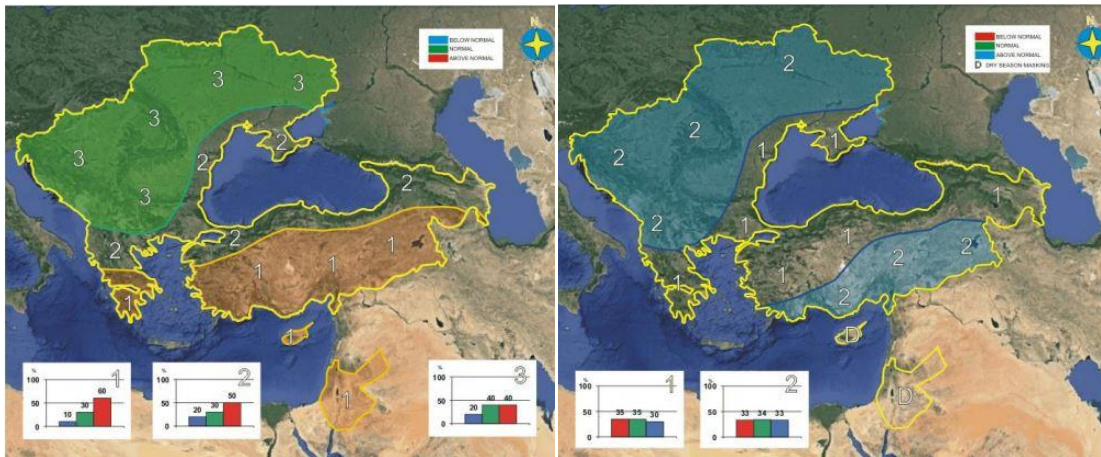


Figure 7-8. Graphical Presentation of 2016 Summer Season Temperature and Precipitation Outlook

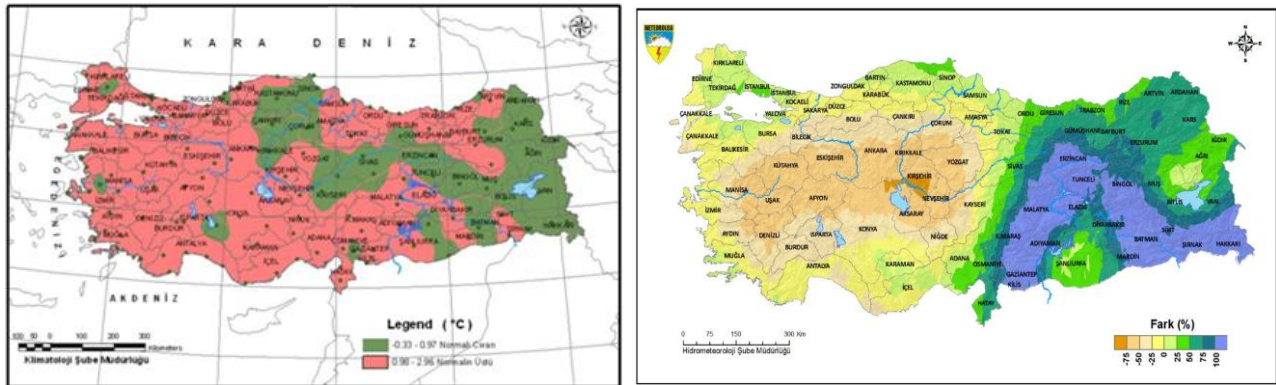


Figure 9-10. 2016 Summer Season Mean Temperature and Precipitation Anomaly of Turkey

Country	Seasonal temperature JJA		Seasonal precipitation JJA		High Impact Events
	Observed	SEECOF-15 climate outlook for temperature	Observed	SEECOF-15 climate outlook for precipitation	
Turkey	Normal to above normal  (Around normal in the east and the central part of the country.)	10% below normal, 30% around normal, 60% above normal (in the whole country except the north)  20% below normal, 30% around normal, 50% above normal (in the northern part of the country)	Above normal (mostly in the northern areas)  Below normal (in the south)	33% below normal, 34% around normal and 33% above normal (in the south and southeast of Turkey)  35% below normal, 35% around normal and 30% above normal (in the north and northwest of Turkey)	In <b>June</b> 2016, strong wind caused financial damage on the houses and some vehicles in Gümüşhane. Agricultural was affected because of the hail in Konya, Ereğli, Kahramanmaraş and Bilecik. In <b>July</b> 2016, heavy rain caused flood and landslide in Ordu. In Kayseri, due to heavy rain flood occurred and transportation affected and one person past away due to flood. In <b>August</b> 2016, agricultural areas were affected due to hail in Aydın, Kastamonu, and in Isparta. Transportation was affected because the heavy rain in Eskişehir, Ankara, Kars and Antakya.