

2011 Summer Season Assessment of Turkey

June

In June of 2011, the mean temperature in most part of country were around normals. While it was below normals just in some part of central Anatolia and in small part of Aegean Sea Region, it was around normals (green painted parts) in general of country. The highest value of monthly mean maximum temperature, 30,7 °C, was measured in Cizre, and the the least value of monthly mean minimum temperature, 12,4 °C in Sarıkamış. Country wide mean temperature became 21.1 °C.

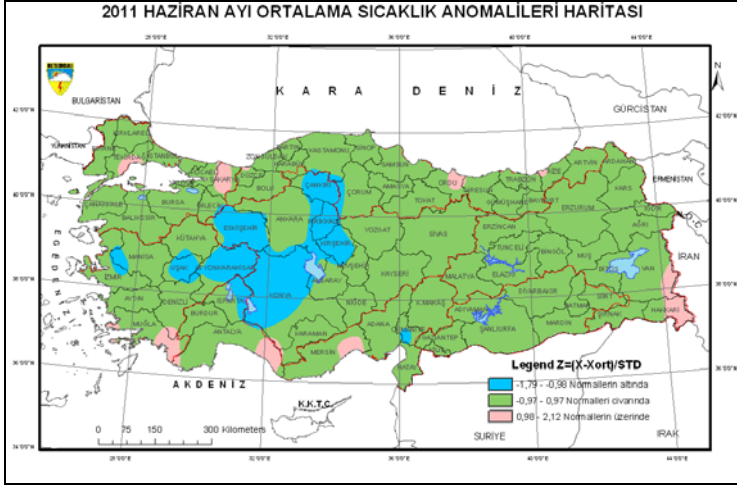


Figure-1: June-2011 mean temperature anomalies

Besides the total mean precipitation in June,2011 was more than long term normals, it was less than the same period in 2010. Monthly mean total precipitation of June was 46,5 mm and long term (1979-2000) normal was 31,7 mm. The precipitation in June increased %46,6 according to normals over almost whole country, (Figure-2).

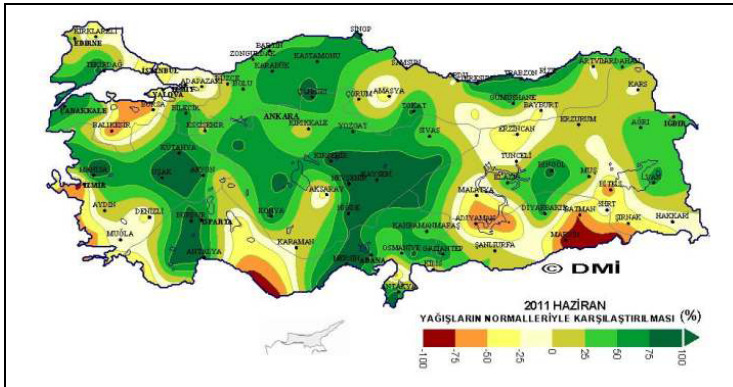


Figure-2: June-2011 precipitation anomalies

In June 2011, some series of severe events such as heavy thunderstorm and hail with strong wind, and floods affected several parts of Turkey. The most notable event, heavy rain and thunderstorm caused flood in Ankara, 16-17th. June, 2011. Some precipitation values were the new records for some parts of Ankara.

July

While the monthly mean temperature of July was above normals in big part of country, several parts of country (green painted parts), especially eastern and south-eastern parts, had around normals of long term mean temperature (Figure-3). The highest value of monthly mean maximum temperature, 34,9 °C, was measured in Cizre, and the the least value of monthly mean minimum temperature, 17,0 °C in Sarıkamış. Country wide mean temperature became 25.5 °C.

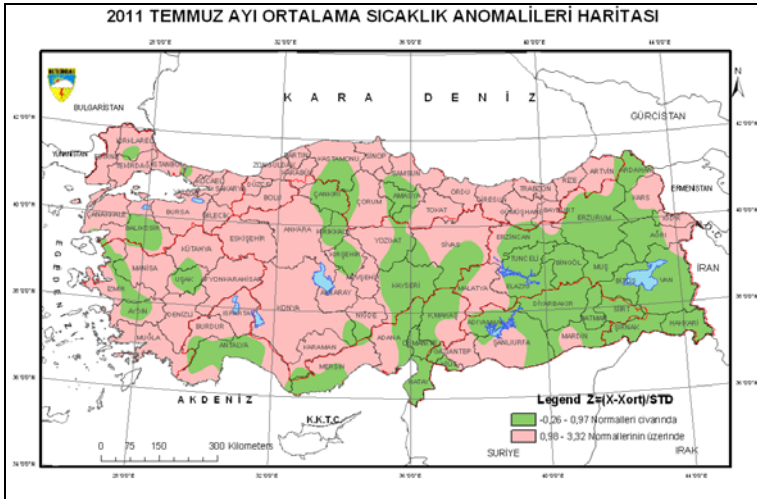


Figure-3: July-2011 mean temperature anomalies

In July 2011, the precipitation was lower than long term normal and the same period of 2010. The average of monthly total precipitation was 17.7 mm over Turkey. The precipitation in July decreased % 6,1 according to normals. Although the increasings were generally in west part, the decreasings were generally east part of country (Figure-4).

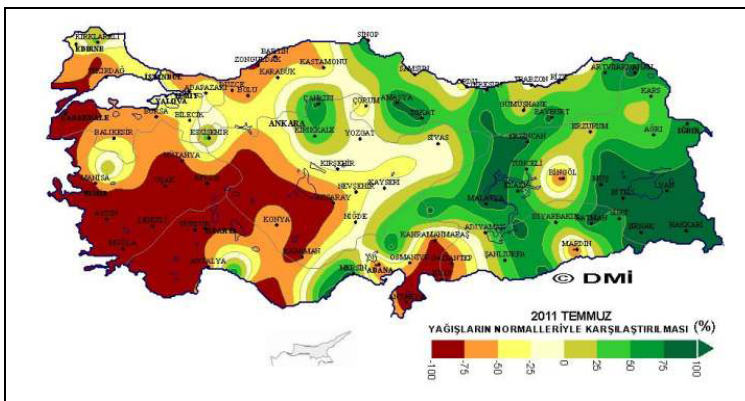


Figure-4: July-2011 precipitation anomalies

Besides there was generally no many severe events in July of 2011, some local events of hail and thunderstorm affected locally agricultural lands in several parts, particularly in Malatya.

August

Whereas the monthly mean temperature of August was around normals in big part of country (green painted parts), especially Mediterranean Sea region had values above normals. The highest value of monthly mean maximum temperature, 34,0 °C, was measured in Cizre, and the the least value of monthly mean minimum temperature, 15,8 °C in Sarıkamış. Country wide mean temperature became 24.5 °C.

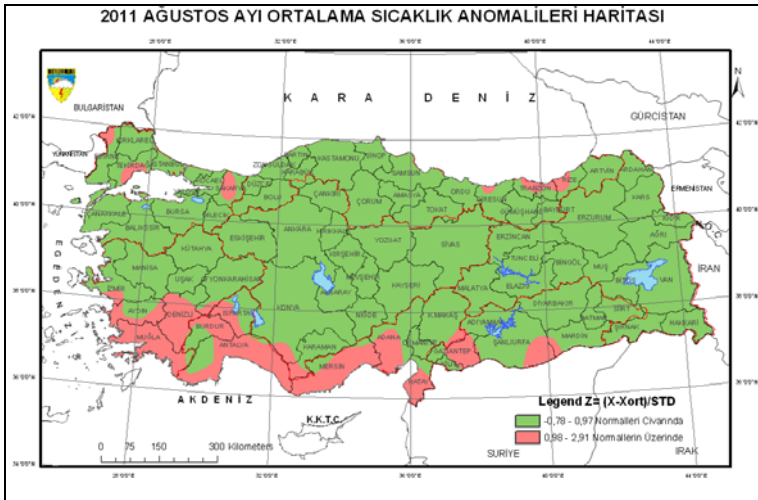


Figure-5: August-2011 mean temperature anomalies

In August 2011, the precipitation was generally lower than long term normal but higher than same period of 2010. The average of monthly total precipitation was 16.0 mm over Turkey. The decreasing of % 12.2 in precipitation was seen in August according to long term normals. Decreasings and ingreasings exhibited an irregular pattern (Figure-6).

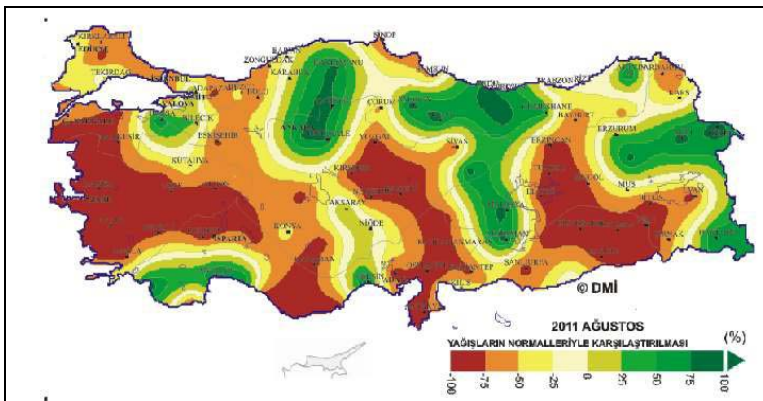


Figure-6: August-2011 precipitation anomalies

Although there was generally no many severe events country wide, several events (hail, rain and flood) affected the life in some parts of country. The most notable event was small tornado which occurred in near Ankara.