

## **Meteorological conditions of the summer 2010 in Moldova**

In republic of Moldova, the summer 2010 was roasty and with an amount of precipitation close to norm. The average air temperature for a season was between 21,2°C to 23,7°C for the entire country, which is 2,1-3,0°C above normal and is observed on the average once in 20-30 years. The maximum air temperature for the season on the territory was 39°C (August, MS Tiraspol,) that is observed on country on the average once in 10 years.

Especially hot also it was dry from August, 1 till August, 16th. So, the average air temperature for the first decade of August was 24,4-27,6°C that on 4,3-5,5 below normal and on more parts of territory is observed for the first during the whole period of instrumental measurements.

The number of days with the maximum air temperature 35°C and above for a summer season reached on territory of 17 days (MS Tiraspol) at norm till 2 days that is marked on the average once in 20 years.

The amount of precipitation for a season on more part of territory was close to norm and has made in the basic 200-270 mm (80-120% of the norm). In places (Ocnita, Donduseni, Grigoriopol, Cimislia, Leova, Cahul) their quantity reached 290-380 mm, or 160-190 % of the norm. The considerable quantity of precipitation was marked on meteorological stations Briceni (473 mm) and Edinet (432 mm) - 72-80 % of the annual norm and a fact registered for the first time during the whole period of instrumental measurements. Precipitations dropped out non-uniformly during a summer season. Most of all them has dropped out in June – in the basic 100-220 mm (150-270% of the norm). In August, on the contrary, on more part of territory was the essential shortage of precipitation – 9-40 mm, or 20-70% of the norm.

During a summer season the dangerous phenomena of weather were observed: heavy rainfall and hailstones. This phenomena on June and first part of July have caused damage and flooding of apartment houses, economic objects, power cutoff, damage of agricultural grounds, and also complicated carrying out of harvest works of grain crops.

### **Verification of summer outlook**

In terms of temperature the seasonal outlook statement predicted well for Moldova region. The temperature conditions in Moldova above normal prevailed during the entire season.

In spite of the fact that precipitation outlook was in the western parts of the country - above normal; in other parts forecast is not reliable, therefore it is difficult to evaluate the SEECOF III outlook in terms of precipitation for Moldova.

#### **Note:**

We used two basic climatological periods:

basic climatological period (1961-1990)

basic climatological period (1951-2000)