

SUMMER (JJA) 2011 AIR TEMPERATURE AND PRECIPITATION FOR MOLDOVA

The 2011 summer in the Republic of Moldova was warm and in some areas with precipitations deficit. The mean season air temperature constituted +20,1..+22,2°C, that is 1-2°C above the norm. Such values were observed in average once in 3 years in the last 20 years. The maximal air temperature in summer had reached +36°C (July, Falesti, Dubasari), the minimal reached +6°C (August, Baltata). The number of days with maximal temperatures of 30°C and higher constituted from 24 (MS Chisinau) to 43 days (MS Dubasari), while the norm is 13-27 days.

The season quantity of precipitation on 60% of the territory fitted the norm and constituted 170-235 mm, and only in some areas (MS Ribnita, Bravicea, Tiraspol, AMP Singerei, Cuaseni) their amount reached 250-360 mm (140-150% of the norm). On 30% of the territory there was observed a precipitations deficit – 115-160 mm (60-75% of the norm).

The precipitation had fallen uniformly. The biggest part had fallen in June –100-200 mm (120-280% of the norm). In July-August, on the contrary, on the biggest part of the territory there was observed a precipitation deficit – in two months there had fallen 50-80 mm or 50-70% of the norm. In some areas (MS Chisinau, Baltata, AMP Anenii Noi, Basarabasca) their amount constituted 15-30 mm (15-30% of the norm), that for the last 20 years was observed once in 10 years, and at the MS Baltata – for the first time since the beginning of observations.

During the summer season, there occurred hazardous meteorological phenomena such as heavy rains (June, July), that led to electricity power shutting down and agricultural lands damaging.

Note. The assessment is realized for two climatic periods – 1961-1990 and 1971-2000. The results are the same.