

Seasonal outlook for summer 2016 conditions in Ukraine

The calculation of the average monthly air temperature and precipitation based on the methods of mathematical statistics, the analysis of dynamic (variation) of the series of random variables.

Long-term forecast Ukrainian Hydrometeorological Center

Temperature

Deviation of the average **season** (JJA) temperature will be **+1.. 2°** from the 1981-2010 base period in most of the country.

In June the deviation is +0,5...1,5°; in July the deviation is +2°, in August the deviation is +2...3°

Precipitation

Seasonal (JJA) rainfall **will be close** (80-110%) to the average of the 1981-2010 base period in most of the country, and 100-120% in Carpathian region.

In June and July will expected norm (80..120%) precipitation in most of the country. In August will be normal (80...120%), but in south-west (Odesa, Mykolaiv, Kherson regions), central part (Vinnyca, Cherkasy, Kirovograd regions), some places of north-east (Symy region) and east (Luhansk, Doneck regions) it will dry (30-70%), and in some places in west (Chernivtsi, Rivne, Lyck regions) – wet (120..160%).

We reviewed the results of various model predictions presented on the site SEEVCCC and took a count information of the Climate Prediction Centre (NWS USA) for Ukraine.

The mean summer temperature will be above the **climatological 1981-2010** average in the entire country.

Uncertainties in regional predictions are higher for precipitation than for temperature. The probabilities for below-, near- or above-normal conditions are approximately equal in most part of Ukraine and a little more confidence about dry conditions in the south of country. It should be noted that certain parts of the country, (especially mountain regions) may receive near- or above- normal summer precipitation totals due to the episodes of enhanced convection accompanied by heavy precipitation.

Probability for summer temperature 2m (%)	Probability for summer precipitation (%)
Above-normal (20, 35, 45) In the entire country	No signal (33, 33, 33) In the most of country (45, 35, 20) For south part of country

The numbers in brackets (left to right) are related to the values of meteorological parameters for: below-, near- and above- normal conditions.