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## **Temperatures and crops in the Alba Iulia – Turda Depression**

### ABSTRACT

The main economic activity in the Alba Iulia – Turda Depression that is the cultivation of land has particularly favourable temperature conditions for several crops e.g. traditional vine-and-fruit-tree growth, cereal plants and vegetables. Studies have covered the regime of daily mean temperatures, daily minimum and maximum temperatures, as shown by the evolution of the average and extreme values of each calendar day. Calculations followed the frequency of each temperature value, finally synthesizing the values obtained into two categories: positive and negative, which indicate the year-interval with favourable temperature conditions for the biological cycle of crops. The thermal and phenological data reveal the beginning of the average date of the vegetation interval which is the 1<sup>st</sup> of April. Late frost and hoar in springtime, but also such early occurrences in autumn are particularly dangerous, liable to impairing the crops.