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The influence of environmental factors on populations of small game animal species in Lublin region

Summary

In the paper, the selected environmental factors, affecting the populations of small game animal species in the Lublin region, were evaluated. Harvesting level in the period of 2002-2009 was adopted as the main indicator of population size. Among the environmental factors, climatic and habitat elements were distinguished. To determine the level of effect of the environmental factors on the populations of the analyzed small game animal species, the coefficients of Pearson correlation were determined and the analysis of multiple regression was carried out. The submitted results indicated that the level of size of the population of small game animal species in the Lublin region (expressed as the size of harvesting) was negatively affected by the thickness of snow cover and disintegration of forest complexes.