

# OCCURRENCE STUDY OF AGRO-CHEMICAL POLLUTANTS IN WATERS OF SUPRAŚL CATCHMENT

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**Abstract:** The paper presents the results on the studies on determination of concentrations of four phenoxyacetic herbicides, four triazine herbicides, seven insecticides and other pollutants in the Supraśl catchment. The samples were collected over a period of two years, from May 2003 to April 2005. This work will be a precious source of information about the occurrence of agropollutants in the surface water. The residues of herbicides active ingredients were determined using chromatography methods – GC with ECD and NP detection. The maximum residues of herbicide in surface water were detected in spring and autumn – up to  $120 \mu\text{g}/\text{dm}^3$  for phenoxyacetic acid (2,4-D, MCPA, MCPP). The most important fact noted during the research is that in surface water used for drinking significant amounts of crop protection substances were detected, which, in the light of the new law concerning the quality of drinking water, must undoubtedly be removed in the treatment processes.