



## **Nitrate concentrations in runoff and baseflow before and after grassing on systematic and sporadic drainage**

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The monitoring of nitrate concentrations and runoff was done on two similar subcatchments, differently drained with systematic and sporadic drainage. Primary monitoring was done in the years 1983-1985, when these areas were used as an arable land. Later the monitoring was canceled. In the year 2004 was the monitoring resumed, but in different land use conditions. Reaserched areas are extensively used in present.

Nitrogen is one of the most important macrobiogennic elements. The mechanism of nitrate generation is a primary problem. Nitrate leaching from soil, water and consequent water course contamination is a secondary problem. The separation of runoff and baseflow periods determination and following allocation of nitrate concetrations to these periods gives us an information about trends of nitrate concetrations progress in water, that run through the bedrock.