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Room:Convention Hall

Time:May 27 09:00-10:45

An estimation of nitrate concentration of soil water in a valley bottom of pasture-dominated drainage basin

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In order to estimate a spacial distribution of nitrate concentration, we applied an equation derived from the reaction kinetics to a pasture-dominated drainage basin. Parameter values relating to the spatial concentration change of ammonia and nitrate nitrogen along the valley bottom was used in the equation.

Keywords: Nitrate, Transport model, Soil water, Pasture, Forest, Drainage basin