

Water quality and the dynamics of nitrate penetration in the soil-water-plant-atmosphere system	
J. LEHOCKÝ, Czechoslovakia	203
Reduction of nitrate input into groundwater	
G. ROUVÉ and W. BOGACKI, Fed. Rep. of Germany	207
Nutrient oversupply of soils and protection of the water-stock in Hungary	
A. PUSZTAI and E. MOLNÁR, Hungary	215
Dynamics of mineral nitrogen in underground waters of rigoled, sand in orchards and vineyards in the Horgosh and Subotica regions	
M. UBACIĆ, Ž. RAJKOVIĆ und S. MANOJLOVIC, Yugoslavia	221
A soil nitrogen model to evaluate nitrogen transformations and transport in agricultural soils with special emphasis to reduce nitrate leaching	
L. BERGSTROM, Sweden	229
A simulation model for predicting nitrate leaching on a regional scale	
J. F. KRAGT and W. DE VRIES, The Netherlands	231
1.3 Plant cover and N-losses by leaching and runoff	
Accumulation of nitrates in plants as a factor preventing pollution of natural waters	
V. M. SEMENOV and O. A. SOKOLOV, USSR	241
Reduction of nitrate leaching in a vegetable farm – fertilization, crop rotation, plant residues	
J. WEIHRMANN and H. C. SCHARPF, Fed. Rep. of Germany	247
Influence of cropping system on leaching of nitrate from arable land in Sweden	
A. GUSTAFSON, Sweden	255
The effect of cultivated plants on nitrate-nitrogen concentrations in drainage waters	
S. BOROWIEC and Z. ZABLOCKI, Poland	259
Effect of different plant cover on the content of nitrates in lysimeter waters	
S. KOPEC, Poland	263
Effect of fertilization and irrigation with sewage water on the nutrient uptake and yield of faba bean (<i>Vicia Faba</i>) on sandy soils	
M. ABD-ELNAIM, M. A. ELSAHEED, R. ELAWADY and M. EL-SHALL, Egypt	267
Nitrate content in meadow hay and lysimetric waters from soils with a grassland cover under mountain conditions of Poland	
S. KOPEC, K. MAZUR and B. FILIPEK, Poland	275
Nitrate nitrogen losses by leaching in a region of intensive cultivation of vegetables	
G. HOFMAN, P. DEMYTTENAERE, C. OSSEMERCT, G. IDE and M. VAN RUYMBEKE, Belgium	279
Experiments with applying communal sewage to grapevine in the Badacsony region	
J. FÜRI and L. KÜSZ, Hungary	285
Use of mineral nitrogen by plants when applied independently and in combination with softwood bark.	
S. P. GORBANOV and T. M. TOMOV, Bulgaria	289
Quadrupole mass spectrometer – microsonda studies on the NO ₂ -poisoning of maize	
I. BUZÁS, G. PÁRTAY, T. PÁTKAI and A. LUKÁCS, Hungary	293
1.4. Denitrification, removal of nitrate from drinking water	
In situ treatment of nitrates in groundwater – the NITREDOX method	
C. BRAESTER and R. MARTINELL, Israel – Sweden	299