Studies on the N uptake of maize / Zea mays L. / using ¹⁵ N labelled nitrogen fertilizer K. DERBRECZENI and S. SZLOVÁK	167
Investigations of N uptake by plants and N migration in the soil J. DOMBOVÁRI and S. A. KISS	170
Utilization of inorganic soil nitrogen by maize, dependent on the vertical distribution of nitrogen in soil and other growing conditions J. GARZ	173
Interaction between maize genotypes, soil nitrogen and water regime G. J. KOVÁCS, G. MÁTHÉ and P. MÁTHÉ	176
Possibilities of controlling nitrogen transformation in soil K. KNOP, J. BALIK and V. VANEK	181
Nitrogen loss reduction with a nitrification inhibitor in the wet tropics of Costa Rica E. BORNEMISZA	185
A comparative assessment of fertilizer N loss due to leaching and denitrification in a field experiment on grey forest soil V. N. KUDEYAROV, V. N. BASHKIN and T. V. KUZNETSOVA	188
Nitrogen migration in soil and the after-effects of N fertilizer application V. I. NIKITISHEN	191
Distribution of nitrate in soils of large-scale farms M. SZÜCS	193
Effect of first water addition and nitrogen sources on ammonia volatilization from a soil H. M. SALIII, M. S. F. AL-NAHASS and S. K. AL-KHAFAJI	197
N supply and N utilization in loess black earth M. KÖRSCHENS, D. EICH and C. WEBER	201
Balance of nitrogen from the main fertilizer forms in different soil-plant systems E. IKONOMOVA and Z. LEMA	205
The effect of nitrogen fertilizers and plant residues on the nitrogen forms of soil I. SZEBENI and I. BUZÁS	209
Effect of changes in soil nitrogen content on alfalfa seed yield M. SZATMÁRI and G. KOVÁCS	214
Methods for increasing the fertilizer nitrogen uptake by plants O. A. SOKOLOV and V. M. SEMENOV	217
Characterization of the mineral nitrogen content of soils for fertilization advices T. NÉMETH and I. BUZÁS	22()
Significance of the latent mineral N-residue in the soil profile in nitrogen fertilization advices	225
G. HOFMAN, C. OSSEMERCT, G. IDE and M. VAN RUYMBEKE	223
Optimization of nitrogen fertilizer doses for cereals on the basis of soil analysis and field experiments V. 1. OVSANNIKOV, S. M. OVSANNIKOVA and G. H. HARIN	230
Efficiency of nitrogen fertilizers in the field crop rotations on the chernozem soils of the	
Trans-Ural Region V. I. OVSANNIKOV	
Optimization of the agrochemical properties of the Eutric Podzoluvisols and of the grey forest soils of the non-chernozem zones of the USSR I. E. KOROLEVA	235