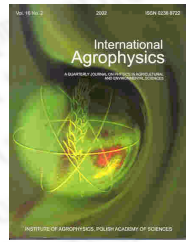




International Agrophysics
Polish Journal of Soil Science
Acta Agrophysica
Instytut Agrofizyki
International Agrophysics
General information
Issues
Search



International Agrophysics
publisher: Institute of Agrophysics
Polish Academy of Sciences
Lublin, Poland
ISSN: 0236-8722

vol. 22, nr. 3 (2008)

[previous paper](#) [back to paper's list](#) [next paper](#)

Effects of long-term agricultural land use on soil properties along the hungarian border. Part I. Soil mineralogical, physical and micromorp parameters

[\(get PDF\)](#)

Rampazzo N.¹, Rajkai K.², Blum W.E.H.¹, Varallyay G.², Ubleis T.¹

¹ Institute of Soil Research, University of Agricultural Sciences, Gregor-M 33, A-1180 Vienna, Austria

² Research Institute for Soil Science and Agricultural Chemistry (RISSAC) Academy of Sciences, Herman Otto u. 15, H-1020 Budapest, Hungary

vol. 13 (1999), nr. 1, pp. 15-39

abstract The aim of this study was to assess the influence of different agricultural practices on the mineralogical, physical and micromorphology of soils along the Austrian-Hungarian border, where Austrian and Hungarian soils (3 transects with different soil type and cultivation system) were compared to former uncultivated Iron Curtain reference soils. The mineralogical results under undisturbed conditions in the reference zone a higher weathering formation of smectite occurred. The compacting effects of cultivation we