



Infiltration area localization based on meteorological measurements

Pavel Ondr (1), Jana Moravcova (1), Monika Koupilova (1), Tomas Pavlicek (1), and Renata Duffkova (2)

(1) South Bohemian University, Faculty of Agriculture, Land consolidation, Ceske Budejovice, Czech Republic (moravcova.janca@seznam.cz), (2) Research Institute for Soil and Water Conservation, VUMOP, v.v.i., Prague, Czech Republic

The article is about relating soil water flow and its possible indication by meteorological measurements with a view to crop water stress. At first the locality is according to soil units divided into recharge and discharge zones. Appropriately fitted meteorological stations were situated in these localities for measuring precipitation, temperatures and radiation in several elevations. In this contribution, there will be also presented first results with the intention of the year 2009, which appeared as the year without water deficit. This article is based on results of grant of Ministry of Agriculture QH92034 Recharge zones identification by water vegetation stress in chosen catchments.