

## RESEARCH OF WATER LOGGING AND COMPACTION CONTROL OF THE SOILS FROM THE BIHOR COUNTY

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**Abstract.** *The paper is based on the research carried out in Agricultural Research and Development Station Oradea starting with 1967. The research were caried out in the research field from Petid, Buntesti, Cefa, Avram Iancu, Sanmartin, Bihor county. Research on compacted soils in the North-West on Romania, aimed to identify solutions for preventing and control the soil compaction, through the application of best and effective measures to increase and maintain soil fertility parameters. Secondary compaction of the soil has negative effects on physical and microbiological properties of the soil, and also on the nutrition conditions for plants. These negative effects can be tackled through adequate long-term measures and in a sustainable development context.*

**Key words:** secondary compaction, deep loosening, drainage, melioration crop rotation, organic fertilization.

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