

# RESEARCHES REGARDING THE AGGRESIVENESS OF THE ACTIVE PARTS OVER THE SOIL

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**Abstract** Researches aiming to establish the effect of the active parts of the agricultural units over the soil's physical degradation were developed; several variants regarding the machinery used for soil tillage, for maize growth, were taken into account (including hoeing). For each variant the bulk density and soil penetration resistance were measured, as well as the average weighted diameter and the water stability of the soil elements. Based on the experimental results the best variant was established, considering soil compaction and structure.

**Key words:** soil compaction, structure deterioration