



## Modificarea stării fizice a solului sub influența asolamentului și sistemului de lucrare

T. ONISIE, G. JITAREANU, M. ZAHARIA - USAMV Iasi

The experiments have been conducted in the Didactic Station of the USAMV . Iasi, Ezareni Farm, during the period between 1998-2001, on cambic chernozem, with 3,4% humus and pH-7. There were studied five different variants concerning the soil tillage, namely V1 - plowing 20 cm, V2 - plowing 20+10 cm, V3 - plowing 30 cm, V4 . Chisel , V5 . Disc, in the frame of three years rotation : soybean-wheat-maize. As result of analysis it has been put in evidence significant modification of total porosity and volume weight, on different depth and vegetative phase of plants.