



Dinamica elementelor nutritive în diferite variante tehnologice de lucrare a solului

G. JITAREANU, L. RAUS, D. TOPA - USAMV Iași

The experiences were made in 2002-2005 period within University of Agricultural Sciences and Veterinary Medicine Farm, on a cambic chernozem. Tillage treatments were plough to 20 cm, plough to 30 cm, chisel and disc harrow applied to wheat in to been/ wheat/ maize rotation, with two different levels of fertilisation. In this paper we present the effect of tillage system on distribution of macro elements in the soil. The fertilizing macro elements have been accumulated in the horizons from surface in the variants without furrow turn. The value of the rapport C/N was variated in a short period during the experiment. Higher values of the nitrogen indices were determined in the superficial stratum in all variants less the one worked with disc harrow. In general the content in organic carbon decreased in the same time with the intensification grade of the soil and in deepness in correlation with the reduce of the biological activity in soil and the grow of roots.