



Modificarea unor indicatori agrochimici sub influența unor sisteme conventionale și neconventionale de lucrare a solului

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The effects of cropping systems and management practices on soil properties provide essential information for assessing sustainability and environmental impact. The objective of this work was to evaluate the effects of different tillage system on the chemical properties of the soil. The study was conducted on a cambic chernozem during the period between 2002-2005 in the Didactic Station of the USAMV – Iasi, Ezăreni Farm. All the tillage operation was significantly different in their effects on soil chemical properties. Ph values decrease after for year in all variants. The analyze of the medium values of the sum of exchangeable bases on 0-30 cm profile showed bigger values of the indicator in the variants with furrow turn. It hasn't been noticed important differences on 0-30 cm about the degree of base saturation and hydrolytic acidity. Humus reserve on 0-30 cm stratum was more reduced in ploughed variants, being known the fact that the mobilization more intense of the soil favorites a quicker exhausting of the humus accumulated in time.