



## Influenta unor sisteme de lucrare asupra compoziției cantitative și calitative a microbiotei solului la cultura graului de toamnă

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Researches were carried out in USAMV – Iasi Research Station, Ezareni Farm, during the year 2002-2005, on a cambic chernozem soil, with a 3.4 humus percentage. We have studied the distribution of the microorganisms in arable layer for 4 different variants of tillage (V1- A20 cm, V2- A30 cm, V3- Cizel, V5- Disk harrow) in winter wheat crop. The physical state of the soil has a tremendous importance for the proper development of the majority of microorganisms. Their number is increasing progressively, with a maximum at the depth of tillage. No matter what tillage system we have used, for the studied samples the morphological analysis of the strains has pointed out small qualitative differences.