



IMPACTUL SISTEMULUI DE LUCRARE ASUPRA DISTRIBUTIEI MICROORGANISMELOR DIN SOL IMPACT OF WORK SYSTEM ON DISTRIBUTION MICRO-ORGANISMS IN SOIL

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Researches were carried out in USAMV - Iasi Research Station, Ezareni Farm, during the year 2004, on a cambic chernozem soil, with a 3.4 humus percentage. We have studied the distribution of the microorganisms arable layer for two different variants of tillage (V1- A20 cm, V2- A30 cm) in maize 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 (V1-A6, 10-20 cm - 87,18 x 10 nr. UFC/g sol [și V2-A30, 20-30 cm - 36,56 x 1020 nr. UFC/g sol). No matter what tillage system we have used, for the studied samples the morphological analysis of the strains has pointed out small qualitative differences.