

## **PARTIAL RESULTS REGARDING THE BEHAVIOR OF SOME MILLET GENOTYPES IN THE PEDOCLIMATIC CONDITIONS OF A.R.D.S. SECUIENI**

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### **Abstract**

At the national level, the areas cultivated with millet are very small, this species is not in the attention of researchers and farmers, therefore the information and studies about millet are limited. Starting from 2022, at the Agricultural Research – Development Station Secuieni, research was initiated on the behavior and productivity of five millet genotypes (*Panicum miliaceum* L.), the results obtained are presented in the present paper. Among the genotypes studied (the variety Marius, the local population Secuieni and the three genotypes from the Vegetal Genetic Resources Bank "Mihai Cristea" Suceava is noted a good adaptability of the species to the A.R.D.S. Secuieni area's pedology and the 2022's climatic conditions. Thus, the average grain yield of the tested millet genotypes was 2528 kg/ha - for the variants sown at 12,5 cm distance between rows, 2328 kg/ha - for variants sown at 25 cm distance between rows and 2221 kg/ha – for the varieties sown at 50 cm distance between rows.

**Key words:** millet, adaptability, yields, *Panicum miliaceum* L