

THE STUDY OF THE BEHAVIOR OF SOME CORN HYBRIDS FOR THE OPTIMIZATION OF THE CULTIVARS STRUCTURE UNDER IRRIGATION CONDITIONS IN IASI COUNTY

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Abstract

Commercial corn hybrids have a very high yield potential, with valuable features of adaptation to more or less favorable growing conditions. In the particular conditions of technology applied in a certain farm and in particular climatic conditions of the crop year, the production and the efficiency can approach more or less the yield potential of these hybrids, through their comparative testing being able to obtain information to determine the best assortment. Evaluation of the results obtained following the testing of three semi-early corn hybrids, from three different companies, at SC Semtop Group in Iaşi county, at sowing plots of 80,000 and 70,000 germinable grains/m², respectively, and under conditions of optimal assurance of the necessary irrigation water allowed to highlight the hybrids that behave best in the respective conditions.

Key words: assortment optimization, commercial hybrids, maize