

## RESEARCH REGARDING DISEASE RESISTANCE OF SOME WHEAT VARIETIES IN THE CLIMATIC CONDITIONS DURING THE YEARS 2012-2013 AT EZĂRENI FARM, IASI

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### Abstract

Although there is great progress regarding the presence and control of pathogens in wheat crops the producers are constantly concerned with this aspect, their attack being present each year, with different intensities and causing damage in average between 4% to 20% of production. Tracking the behavior of new wheat varieties in the climatic conditions of the growing area, the studying of the wheat varieties resistance to pathogens attack is also required. The main objective of this study was to assess the plant health of 24 wheat varieties, domestic and imported, in the central area of Moldavia conditions. Observations were made in the crop year of 2012-2013, at Ezareni Farm from USAMV, Iasi. Studied varieties showed different reactions in the same environmental conditions. Thus, resistant to *Blumeria graminis* f. sp. *tritici* March pathogen attack were the Kiskun Serina, Andalou and Crina varieties and to the attack of *Septoria tritici* Rob. et Desm. and *Puccinia recondita* Rob. et Desm. a good resistance was noted on the varieties Ariesan, Arezzo, GK Kalasz, Exotic, Boema and Dropia.

**Key words:** pathogens, resistance, wheat varieties.