FUNGAL LOAD ASSESSMENT OF WHEAT KERNELS UNDER THE ACTION OF SOME PHYTOSANITARY PRODUCTS

Constantin MACSIM[1], Andrei-Mihai GAFENCU[1] Andreea-Mihaela FLOREA [1], Florin-Daniel LIPȘA [1], Eugen ULEA[1]

e-mail: constantin.macsim@yahoo.com

Abstract

The quality of the wheat seeds determine the production and quality of the grains final agricultural product. Crop losses due to fungal contamination represent a significant problem for many cereals all over the world. Especially for cereals like wheat, at wich for example different toxigenic *Fusarium* spp. are frequently found as contaminants. Thus, in order to obtain the production of crops free from fungal infections it is necessary a permanent evaluation of the seeds before and after harvest but especially before sowing, even if it is mandatory the treatment of the seeds. Tested material was represented by kernels of Miranda wheat variety to which were applied a number of 14 variant treatments. Therefore, identified fungi genera on Miranda wheat variety kernels were *Alternaria, Aspergillus, Fusarium, Penicillium*, and *Rhizopus*. The incidence and percentage of the identified micromycetes was different for each treatment variant that was applied to the kernels.

Key words: fungi, wheat, treatment, kernel