



The testing of effectiveness and economical efficiency of some fungicides applied to vines against *Botryotinia Fuckeliana* (de bary) whetzel fungus, in SDE "V. Adamachi" Iași conditions

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Against grape vine gray mold has been elaborated different control plans. Most researchers discovered that the treatments had the highest efficiency when it is applied in the next phenological moments: to the flower shake-up; to the grape compaction and to the grape greenness stadium. To accomplish the experiences contained in this paper, we attend to the phenological phases of Fetească regală genus, following the optimization of the treatments plan, applied against grape vine gray mold. In the paper are presented 3 new treatments plan, starting with the basic plan which included 3 treatments and continued with a cyclic elimination of treatments in every phenological moment. Experiences were achieved in 2007-2008 agricultural year, in the experiments were tested a number of 4 fungicides with different active substance and method of action. The main objectives were determining the effectiveness and efficiency of fungicides tested, and checks the opportunity of application phytosanitary treatments against gray mold disease of Vine, in the 3 phenology set points. Effectiveness and economic efficiency of fungicides was calculated taking into account the cost of plant protection products, the level of yields obtained (determined by gravimetric method), correlated with the degree of attack produced by the fungus *Botryotinia fuckeliana* (by Bary) Whetzel. To determine the opportunity of application the 3 treatments against gray mold of vine, in the 3 phenology set points, it was made a comparative analysis of influence factors from the variants and also between the 4 experiments. Analyzing the yields obtained it was found significant differences between the 4 experiments and between the variants. Regarding the degree of attack recorded in the 4 experiments it was found that in the conditions of agricultural year 2007-2008 there were no notable differences.