Effectiveness of Different Treatments for Downy Mildew (*Plasmopara viticola*, Berk & Curt) Control in the Blaj Vineyard

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**Abstract**

For the first time in Romania *Plasmopara viticola* was observed in vineyard Buzau. Today, in all viticulture regions of the country we find that downy mildew, the most harmful with damages at the harvest between 10-90% in favorable years.

In Blaj viticulture centre vineyard, damages produced by the fungus *Plasmopara viticola* determined researches concerning the prevention and control methods during the use of new products and estimate their efficacy, to not allow to obtain the novel physiological spices of *Plasmopara viticola*.

The biological material used in the research consisted in three vineyard category: Muscat Ottonel, Riesling Italian, and Feteasca Regala, with great weight in Blaj viticulture centre. The infection was realized in natural condition, because the climatically area conditions were very favorable for the manifestation of the disease. The treatment was realized preventive and curative with novels chemicals products with minimal impact for environment. We noticed the frequency, intensity and attack degree.

Key words: grapevine, pathogens, chemical products

sa2008_a0925