



## **Application of Various Fungicides in Combating Pathogen Powdery Mildew Cause of Diseases**

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**Abstract:** Apple Powdery Mildew caused by pathogen *Podosphaera leucotricha* is one of the most frequent diseases causing considerable quantitative and qualitative damage into the apple culture whose control is based mainly in the chemical method, even though this disease remains a matter of concern for the producers of this apple cultivar. For this reason, it is of paramount importance to identify a more effective fungicide for combating the apple powdery (*P. leucotricha*) as well as finding the right timing to carry these treatments. The study was carried during the 2010 / 2011 period in the District of Pristine. The study was carried on Idared and Jonagold cultivars, which take a considerable part in the plantation structure and indicated higher rate of sensitivity to this disease as shown in the previous studies. During this study we have applied different types of fungicides for the sake of comparison of the data obtained when applying biologic and traditional methods, alternatively, in combating this disease. All these findings were presented in the diagrams and compared with the control parcel. Intensity of the infection was calculated in a periodic manner during the vegetation period (June – September), based on which findings we measured the efficiency scale of applied fungicides. In the end of the vegetation in treatments made with Zato 50 WG with concentration 015kg/ha. The concentration which has struggled with pathogen *P. leucotricha* best fruit samples were taken under this dynamic 1, 3, 5, 7, 11, 14 and 17, days after treatment, to determine potential of this residue to fungicide in apple fruit. Fungicide result of degradation of the graphs presented in adequate. The purpose of this study is to obtain concrete results from testing several fungicides, their type and dosage, in order to have a better and more realistic view over their effect, which in future would serve the local farmers in finding the best practices of combating the powdery mildew.

**Key words:** *alternative, dosage, cultivar, fungicide, vegetation*

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