

# **EFFECTIVENESS OF SOME PESTICIDE IN CONTROLLING LEAF-WHITE-MUSTY DISEASE ON *Acacia mangium* IN THE NURSERY OF THAI NGUYEN FORESTRY COMPANY**

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**Summary**

*Acacia mangium* is a species of Fabaceae with beautiful foliage, evergreen, soil improvement and timber supply, *Acacia mangium* is currently used popularly for reforestation in Vietnam. In order to produce good quality seedlings for the afforestation, the control of disease in the nursery is one of the important solutions. This article presents the results of the experiment to use 4 fungicides (Manage<sup>R</sup>5wp, Zineb-Bul80wp, Topsin<sup>R</sup>M70wp, Anvil<sup>R</sup>5sp(CT4) for controlling the leaf-white-musty disease (*Oidium sp*) on *Acacia mangium* of the Thai Nguyen forestry company. The results of the investigation before treatment the compounds showed that: The disease incidence is 62.2% - 66.1%, evenly distribution in the nursery, the disease index is 28.32% - 30.03%, at moderate. After three times of treatment, the disease index, when using fungicides had been reduced to 10.87% - 17.05% (at light degree), lower than the control (28,07% - still at moderate). The fungicides Topsin<sup>R</sup>-M70wp is highest effective ness (63.50%); and the lowest is Manage<sup>R</sup>5wp (40.30%).

*Keywords: Leaf-white-musty disease, Oidium sp, fungicides, Acacia, nursery.*