

APPLICATION OF *BACILLUS SUBTILIS* AND TEBUCONAZOLE COMPOUND IN
PREVENTING AND TREATING FRAGRANT PEAR VALSA CANKER

ABSTRACT

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The present invention discloses an application of a *Bacillus subtilis* and tebuconazole compound in preventing and treating Fragrant Pear Valsa Canker, and relates to the technical field of pest and disease control. In the present invention, inhibitory effects of biogenic fungicides against three types of Fragrant Pear Valsa Canker pathogens are determined using a mycelial growth inhibition method, biogenic fungicides with strong inhibitory effects are then selected and compounded with tebuconazole, and synergistic effects of the biogenic fungicide-tebuconazole compound are investigated using a Wadley method. *Bacillus subtilis* shows a stronger inhibitory effect against Fragrant Pear Valsa Canker than other agents. The present invention provides an efficient and low-risk agent combination solution for green prevention and control of Fragrant Pear Valsa Canker, and is of significance in reducing dependence on chemical pesticides.

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FIG. 1