

STUDY ON EFFECT OF SOME KINDS OF PESTICIDES TO *Phytophthora* LEAF FALL DISEASE OF RUBBER TREE (*Hevea brasiliensis*) IN SOUTH EAST VIETNAM

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Summary

In the Southeast, rubber tree (*Hevea brasiliensis*) is an industrial tree leading economic value. As with many other plant species, the tree is suffering from a variety of diseases, including *Phytophthora* leaf fall disease, which is identified as major disease, causes significant damage to rubber trees. Study on the ability to inhibit fungal pathogens as a basis for effective disease management research. There are 3 kinds of pesticides including Agrifos 400, Ridomid Gold 68WG and Lanomyl 680WP that can very strongly inhibit 5 fungal strains of pathogens (*Phytophthora heveae* VN739, *Phytophthora nicotianae* VN722, *Pythium* sp. VN602, *Phytopythium* sp. VN596 and *Phytopythium* sp. VN604). Tilt super 300EC has very strong inhibitory ability with *Phytophthora nicotianae* VN 722 and *Phytophthora heveae* VN739 but only strongly inhibits with *Phytopythium* sp.VN604, *Phytopythium* sp. VN596 and *Pythium* sp. VN602. Biopesticides such as Sat 4Sl and Biobus 1.00 WP showed only strongly inhibits to *Phytophthora nicotianae* VN 722 and *Phytopythium* sp. VN604 strains respectively.

Keywords: *Rubber, Phytophthora, Pythium, Phytopythium, pesticides.*