

STUDY ON CONTROL OF *Phytophthora* LEAF FALL DISEASE OF RUBBER TREE (*Hevea brasiliensis*) IN SOUTH EAST VIETNAM

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Summary

In the South East, rubber tree (*Hevea brasiliensis*) is an industrial tree leading economic value. As with many other plant species, rubber tree are suffering from a variety of diseases, including *Phytophthora* leaf fall diseases, which are identified as major diseases and cause significant damage to rubber trees. Research results show that collecting and treating residues, weeds and small seedlings in the rubber plantation to reducing disease incidence and disease severity of *Phytophthora* leaf fall disease. Balancing fertilizer based on each type of soil according to the technical process of rubber trees of Vietnam Rubber Industry Group, adding manure 10 tons/ha to give control effectiveness of the disease, reaching 42.51%. Two kinds of chemical fungicides Agrifos 400, Ridomil Gold 68WG have the highest control effectiveness in controlling, reaching 81.66% and 80.25% respectively. The control effectiveness of the disease depends also on the time of spraying. In the Southeast region, spraying twice a year after the plant falling physiological leaves (February, March) and before the rainy season (May) give the best control effectiveness.

Keywords: *Hevea brasiliensis*, *Phytophthora*, disease incidence, disease severity, fungicides, control effectiveness