Title	Effect of cinnamon oil on incidence of anthracnose disease and postharvest quality of
	bananas during storage
Author	Maqbool M., Ali A. and Alderson P.G.
Citation	International Journal of Agriculture and Biology, 12(4) p. 516-520, 2010.
Keywords	Bananas; Storage; Cinnamon; Cinnamomum zeylanicum; Essential oils; Antifungal
	properties; Anthracnosis; Postharvest control; Keeping quality

## Abstract

*Colletotrichum musae* is the causal organism of anthracnose in bananas during storage. A study using four concentrations of cinnamon oil (0.1, 0.2, 0.3 & 0.4%) along with untreated control was designed to investigate the antifungal effects of this plant product against anthracnose of bananas. The effects of cinnamon oil on quality of bananas during storage at (13 plus minus 1 degree C, 80-90 relative humidity) for 28 days were also determined. A significant (P less than 0.05) inhibition of mycelial growth and conidial germination of *C. musae* was observed in all treatments of cinnamon oil as compared to the control after 7 days of incubation at room temperature. However the Potato Dextrose Agar (PDA) plates amended with 0.4% cinnamon oil showed the most promising results among all the treatments in suppressing the mycelial growth and conidial germination inhibition (83.2%), while there was no effective conidial germination inhibition found in the control.