

Effect of fungicides and botanicals in the management of *Alternaria* leaf spot in sesame

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ABSTRACT

Field experiment was carried out in Agricultural College, Bapatla during late *kharif* 2016-17. The present study was taken up to compare the efficacy of botanicals in managing *A. sesami* with that of chemical fungicides. All fungicides and botanicals tested were significantly effective in controlling the disease over control. The results indicated that propiconazole @ 0.1% was found superior with low PDI (53.89 %) in controlling the disease. Per cent decrease in PDI over control was 35.50 % in propiconazole @ 0.1% treated microplot which was followed by chlorothalonil @ 0.2% 25.54 % among fungicides. However, neem leaf extract @ 5 % was found best among the botanicals with a PDI of 65.00 % reducing the disease by 22.20 % over control after two weeks of second spray.

Key words: *Alternaria leaf spot, neem leaf extract, propiconazole, sesame*