

Title Survey of Fungicide Sensitivity in *Colletotrichum gloeosporioides* from Different Avocado and Mango Production Areas in South Africa

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Abstract

Pre-harvest fungicidal treatments aimed at reducing inoculum levels in the field include copper oxychloride and benomyl. Pre-harvest applications of benomyl are currently restricted if used on fruit destined for certain export markets. Isolates of *Colletotrichum gloeosporioides* collected during a three-year market survey were used to determine the incidence of resistance to benomyl, thiabendazole and prochloraz using an *in vitro* assay. A total of 17.7% of all isolates tested were resistant to benomyl, of which 8.5% were highly and 9.2% moderately resistant. Isolates from certain production areas were less sensitive to benomyl and thiabendazole, and mango isolates were generally more sensitive than avocado isolates. No isolates were resistant to thiabendazole or prochloraz.