Title Chemotherapeutic control of postharvest decay of kinnow mandarin and lemon caused by *Penicillium digitatum* Sacc.

Author Ilyas M.B., Naveed T., Inam-ul-Haq M., Javed, N. and Mughal S.M.

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Abstract

In an In vitro evaluation Daconil was found to be the most effective fungicide in inhibiting mycelial growth of *Penicillium digitatum* followed by Antracol, Rubigon, Calixin, Thiahendazole, Calixin M., Tilt and Nimrod. Though Tilt as dip treatment was the most effective in controlling post harvest decay of lemon fruit but it was comparatively less so in controlling decay of Kinnow fruit. Tilt, Thiabendazole and Daconil + Rubigon (1:1) were statistically equally effective in controlling decay of Kinnow fruits. There was an increased reduction in percent fruit decay with an increase in Tilt concentration. Tilt also caused reduction in lesion size of the decaying fruits. Lower concentration of Tilt, which were ineffective for Kinnow fruit, were quite effective for controlling decay of lemon fruits.