Title Efficacy of different edible oils, medicinal oils and the concerations effective oil used against fruit rot of Aonla (*Penicillium citrinum*)

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Abstract

A set of experiment was conduct under controlled condition at the Departement of Plant Pathology, Indira Gandhi Krishi Viswavidyalaya, Raipur (C.G.) during 2006 to select the effective oil and their concentration against fruit rot pathogen. Five edible oils viz. sesamum, mustard, groundnut, liseed and coconut; five medicinal oils viz., karanj, mahua, neem, eucalyptus and pinus ane their 2,4 and 6 percent concentration were taken as treatments. All the treatments were singnificantly effective in reducing the fruit rot over control. Application of mustard oil and linseed oil were found singnificantly superior in reducing the fruit rot serverity (0.00) over control followed by groundnut oil (20.71), with per cent reduction of 79.29, which is at per with mustard and linseed oil in their potential. Among the remaining medicinal oils, neem oil gave the better performance in reducing the fruit rot severity (17.36) and showed maximum per cent performance in reducing (82.64) followed by mahua oil (18.38 and 81.62). Disease severity was significantly inhibited in 6 concentration of neem oil (0.00 and maximum per cent reducing (100) followed by all the concentration of liseed oil (10.13, 10.59 and 8.55 respectively) and 89.87, 89.41 and 91.53 reduction.