

**Abstract:**

Growth and proliferation of undisturbed colonies of *Helminthosporium solani* [silver scurf disease of Irish potato] in vitro is eliminated by radiant heat treatment above 50°C and lasting 5 minutes. However, detached conidia are resistant to a 3-minute treatment at 70°C, which is sufficiently severe to pose problems when considering treatment of harvested tubers. Washing in hot water to remove conidia, simultaneously providing a heat treatment lethal to the remaining mycelium, is suggested as an alternative method of reducing fungal inoculum levels on seed potatoes.