

Title Physical and chemical systems for the control of *Botrytis cinerea* rot in kiwifruit

Author Brigati Stefano, Donati Irene, Dall' Olio Ida, Mari Marta, Neri Fiorella and Gregori Roberto

Citation Abstracts Book, 6th International Postharvest symposium, 8-12 April 2009, Antalya, Turkey.
256 pages.

Keyword Kiwifruit; *Botrytis cinerea*; grey mold

Abstract

The efficacy of Fenhexamid and Boscalid, only fungicides registered for the use in Italy, against grey mold caused by *Botrytis cinerea* on post-harvest kiwifruits was investigated. The effectiveness of some sanitation methods to reduce the residues of fungicides on kiwifruits was also evaluated. For each fungicide was tested degradation time and the co-adjutant effect of some physical or chemical treatments such as: brushing, washing with water, washing with HCl (1 %) or Na₂SiO₃ (6%), and peeling. Both fungicides significantly reduced the rate of *B. cinerea* rot. During storage at 0°C residues declined more slowly in the first 45 days. Results indicated that use of mechanics brushing and Na₂SiO₃ reduce significantly the level of residues of Fenhexamid and Boscalid on kiwifruit peel.