ONLINE ISSN : 1349-0923
PRINT ISSN : 1348-589X

Journal of Pesticide Science
Vol. 29 (2004) , No. 4 pp.369-371

[PDF (247K)] [References]

A Method for Monitoring the Sensitivity of *Botrytis cinerea* to Mepanipyrim

Makiichi Takagaki[1)], Ichirou Miura[1)] and Kozo Nagayama[1)]

1) Life Science Research Institute, Kumiai Chemical Industry Co., Ltd.

(Received: February 19, 2004)
(Accepted for publication: May 12, 2004)

Abstract:
Mepanipyrim is an anilinopyrimidine fungicide with a broad spectrum of activities. Mepanipyrim did not inhibit mycelial growth of *Botrytis cinerea* completely on complex media and therefore, this method is considered not to be useful for evaluation of the sensitivity of isolated *B. cinerea* to mepanipyrim. As a result of our studies, we have established new techniques to determine the fungal sensitivity to mepanipyrim *in vitro* by utilizing the inhibitory activity of mepanipyrim against protein secretion and germ-tube elongation. The FGA-paper disc method is considered to be more useful and more reliable for evaluation of the sensitivity of *B. cinerea* to mepanipyrim. © Pesticide Science Society of Japan

Keywords:
anilinopyrimidine fungicides, mepanipyrim, *Botrytis cinerea*, monitoring method, baseline

[PDF (247K)] [References]

doi:10.1584/jpestics.29.369

JOI JST.JSTAGE/jpestics/29.369