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[\[PDF \(342K\)\]](#) [\[References\]](#)**Detection of thiophanate-methyl-resistant isolates of *Fusarium culmorum*, a causal agent of Fusarium head blight on wheat, in Aomori Prefecture, northern Japan.**T. IWAMA¹⁾, K. KATSUBE²⁾ and H. ISHII³⁾

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ABSTRACT

In 2002 and 2003, sensitivity to thiophanate-methyl (TM) of *Fusarium* spp. and *Microdochium nivale*, causal agents of Fusarium head blight, isolated from wheat in Aomori Prefecture was tested *in vitro*. Five of 74 isolates in 2002 and 1 of 361 isolates in 2003 were identified as *F. culmorum* and were highly resistant to TM and had a minimum inhibitory concentration higher than 1600 ppm. In inoculation tests in 2005, TM did not control disease after when wheat plants were inoculated with TM-resistant isolates of *F. culmorum*. This report is the first on the occurrence of benzimidazole resistance in *F. culmorum*.

Key words: benzimidazole resistance, *Fusarium culmorum*, Fusarium head blight, wheat[\[PDF \(342K\)\]](#) [\[References\]](#)Download Meta of Article [\[Help\]](#)[RIS](#)[BibTeX](#)

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