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[\[PDF \(770K\)\]](#) [\[References\]](#)**Occurrence of Fusarium wilt in Japan caused by *Fusarium oxysporum* f. sp. *tanacetii*.**Y. HIROOKA¹⁾, Y. MATSUMOTO¹⁾, Y. EBIHARA²⁾, S. UEMATSU³⁾, T. KOBAYASHI¹⁾ and K.T. NATSUAKI¹⁾

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ABSTRACT

Sudden wilt of cultivated feverfew [*Tanacetum parthenium* (L.) Schultz-Bip.], observed in Chiba Prefecture in June 2001, was characterized by discoloration of the vascular bundles. A fungus having *Fusarium*-type conidia was isolated at a high rate from the discolored vascular bundles. The isolated *Fusarium* fungus from feverfew was pathogenic on potted feverfew and was reisolated from lesions on the inoculated plants. Based on morphological and molecular analyses, the fungus was identified as *Fusarium oxysporum* Schl. From the pathogenicity tests using six Asteraceae plants, a new forma specialis, *Fusarium oxysporum* Schl. f. sp. *tanacetii* Hirooka, Matsumoto et Tak. Kobay., is proposed here. This report is the first of feverfew disease caused by *F. oxysporum* f. sp. *tanacetii*. Therefore, a new disease name, Fusarium wilt (ichô-byô in Japanese) of feverfew is proposed.

Key words: *Fusarium oxysporum* f. sp. *tanacetii*, Fusarium wilt, new forma specialis, *Tanacetum parthenium*

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