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## Comparison of Fatty Acid Methyl Ester of *Fusarium* spp. Obtained from Field Soils Using Plant Baits Technique

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**Abstract:** The utility of fatty acid methyl ester (FAME) profiles for characterization and differentiation of isolates of *Fusarium* spp. was investigated. The modified MIDI method were used and allowed a clear differentiation among isolates of *F. oxysporum*, *F. solani* and *F. roseum*. FAME profiles using the modified MIDI method gave the most consistent and reproducible analyzed fatty acid data. After evaluating the FAME profiles by cluster analysis, tested isolates were presented the close correlation of FAME profiles with variation in the species level. Results indicated that FAME profiles could be an additional tool useful for characterizing isolates and forma species of *F. oxysporum*.

**Keywords:** *Fusarium* spp., fatty acid methyl ester (FAME), cluster analysis

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