

20-day-old culture of the isolate DB14AGO27 grown on PDA was inoculated with 30 μ l of conidial suspension (5 × 10⁵ conidia/ml). Four control fruit were wounded and treated with

fruit) using a sterile hypodermic needle. A suspension of a- and β -conidia obtained from a

First Report of Fruit Rot in European Pear Caused by Diaporthe eres in Italy | Plant Disease

sterilized water. All the fruit were incubated at temperatures ranging from 23 to 27°C. After about 3 days the first symptoms started on inoculated fruit. After 6 days, rots around the inoculated fruit were evident, and the same pathogen was consistently reisolated and identified. Noninoculated fruit remained healthy. The pathogenicity test was repeated inoculating nine European pear fruit with the same method. Six days after the inoculation, rot diameters on inoculated fruit ranged from 18 to 44 (average, 33) mm, and Koch's postulates were satisfied reisolating *D. eres*. Controls remained symptomless. Previously, *D. eres* has been recently detected in Italy, causing stem canker on *Prunus persica* (Prencipe et al. 2017). To our knowledge, this is the first report of *D. eres* on European pear in Italy. The economic importance of this disease could be a potential threat for this crop widely grown in Italy.



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