

First report of soft rot caused by *Pectobacterium carotovorum* subsp. *carotovorum* on cucumber in Malaysia.

ABSTRACT

In Malaysia, cucumber is produced in a warm, humid climate, thus the plant is susceptible to attack by *P. carotovorum* at any time during production. In 2010, cucumber samples with wilted and chlorotic leaves, water-soaked lesions, and collapsed fruits were found in multiple fields. On the basis of biochemical and morphological characteristics, PCR-based *pel* gene and characterization of the ITS region, digestion of the ITS-PCR products with *Rsa*I restriction enzyme, and pathogenicity tests, the causal agent was identified as *P. carotovorum* subsp. *carotovorum*. This is thought to be the first report of soft rot caused by *P. carotovorum* subsp. *carotovorum* on cucumber from Malaysia.

Keyword: Cucumber; Soft rot; *Pectobacterium*.