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FIRST REPORT OF *Colletotrichum* sp. ON LEAVES OF *Annona muricata* (Annonaceae) IN THE STATE OF RIO DE JANEIRO, BRAZIL. / Primeiro relato de *Colletotrichum* sp. em folhas de *Annona muricata* (Annonaceae) no Estado do Rio de Janeiro, Brasil. C.M.X. FARIA¹; J. REMBINSKI¹; K.S. TINOCO¹; Y.I. NUNES¹; H.H. PAULO²; C.A. INÁCIO¹. ¹Department of Plant Pathology, UFRRJ, Seropédica, RJ, Brazil; ²Agronomy-entomology, UNESP, Jaboticabal, SP, Brazil. E-mail: cmxfaria@ufrj.br

Colletotrichum sp. (Glomerellaceae) was found associated to leaf spots on *Annona muricata* (Annonaceae) collected in Seropédica, RJ, Brazil. Symptomatic leaves were taken to the laboratories of Plant Pathology (DENF/UFRRJ) and studied by using optical and dissecting microscope techniques. This species will be described and its taxonomy discussed. Description: *Leaf spots*, up to 16 mm diam., necrotic, light-brown to brown, amphigenous. *Setae* absent. *Acervuli* 66-141 µm, subcuticular. *Conidiogenous cells* 10-14 × 2-4 µm, lageniform to cylindrical, hyaline, smooth. *Conidia* 13-15 × 5-7 µm solitary, hyaline, aseptate, cylindrical, guttulate, smooth, thin-walled. In culture [PDA (potato-dextrose-agar) after 10 days/dark/25°C±2°C]: *Colonies* up to 50-70 mm diameter, with light gray aerial mycelium, cottony, forming an orange conidial cirrus and whitish margin with dark center at reverse side plate. *Appressoria* 6-15 × 7-12 µm, brown, often irregular, circular, solitary. *Conidiophores* 20-45 × 2-4 µm, hyaline, cylindrical, smooth. *Conidia* 13-15 × 4-5 µm, hyaline, solitary, aseptate, cylindrical, smooth, thin-walled.

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