Abstract
This research aimed to record the damage caused by eucalyptus-defoliating caterpillars located in Rio Grande do Sul States, Brazil. The specie was determined as Nystalea nyseus (CRAMER, 1775) (Lepidoptera: Notodontidae). The caterpillars of this species cause defoliation in eucalyptus trees. This is the first record of Nystalea nyseus from eucalyptus plantation in the Rio Grande do Sul State, Brazil.

Keywords
Eucaliptus defoliator, forest entomology, Notodontidae.