A checklist of 39 species of Sphingidae of Aguas Blancas locality and surroundings is given. This was obtained during two campaigns in the area by the author in January 1999 and February 2002. Information on the bibliography is also included, as well as data from other collections. The distribution in the country of several species previously registered for the province of Salta is extended and work is completed for 3 species with known registers from two others provinces not previously in the national distribution up to now.

Keywords
Lepidoptera, Sphingidae, new records, Aguas Blancas, Salta, Argentina.