

Anastrepha species and their hosts in the Brazilian Amazon

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Introduction

The database "*Anastrepha* species and their hosts in the Brazilian Amazon" was developed aiming to compile the existing information on *Anastrepha* species diversity, distribution and hosts, and to make this data available in an easy and accessible manner. The database covers the Brazilian Amazon geographic area, which includes the states of Acre, Amapá, Amazonas, Mato Grosso, Pará, Rondônia, Roraima, Tocantins and Maranhão.

Materials and Methods

It was developed using free software tools and includes a map viewer using the Google Maps API. The database is available for public access on the Embrapa Amapá website or directly at <http://anastrepha.cpaafap.embrapa.br> (Fig. 1).

Its data was sourced from the existing technical and scientific literature. Species occurrence, host plants and geographic distribution data were included in the database, with the respective bibliographic references. The database will be updated regularly to add newly published data. From the main page, the occurrence reports for a given species can be searched using filters.

The results are presented in both table and map format, in which the geographic distribution and original bibliographic reference can be viewed. More than 1,200 entries were compiled, each corresponding to the occurrence of a species in a given location.

Results

The database includes 71 *Anastrepha* species reported in the region, representing approximately 60% of all reports made for Brazil.

Thirty-five of the reported species occur exclusively in the region.

Anastrepha striata Schiner and *Anastrepha obliqua* (Macquart) are the most polyphagous and most widely distributed species. Amazonas and Amapá are the states with the highest numbers of reported species (41 and 37, respectively).



Figure 1. Main page of the database.