Ayudas taxonómicas en internet

La siguiente información ha sido compilada por Allan Smith, USDA, APHIS, San Francisco, California y Terrence Walters, USDA APHIS, Fort Collins, Colorado, USA.

Flat Mites of the World

Collaborators: University of Maryland, Queensland Museum (Australia), & USDA Agricultural Research Service.
Authors: Jennifer Beard, Ronald Ochoa, Gary Bauchan, Matthew Trice, Amanda Redford, Terrence Walters, & Charlie Mitter.

Funding Support: Section 10201 of the 2008 Farm BillCPHST's Identification Technology Program (ITP) is pleased to announce the release of its latest identification tool, Flat Mites of the World. This tool is aimed at enhancing our diagnostic capabilities for key taxa and to ultimately allow plant protection and quaran-tine services to develop rapid solutions to serious biosecurity threats.

Flat mites remain one of the most economically significant of all acarine groups. All species are phytophagous and the species that have been identified as pests have shown the potential to cause severe economic damage to agricultural crops, ornamentals, and timber. They cause damage directly through feeding on host plant tissue and indirectly through the transmission of plant viruses.
Flat Mites of the World will help you identify, via interactive keys, diagnostic fact sheets, and an image gallery, the 36 genera of flat mites present throughout the world, including specific diagnostics for 13 species of *Raoiella*, 14 species of *Brevipalpus*, and *Tenuipalpus pacificus*.

Flat Mites of the World can be accessed at: idtools.org/id/mites/flatmites/

To view additional digital identification aids, via ID Source, for mites, visit http://tinyurl.com/ID-Source-Mite.

ID Source – your gateway to websites that help you identify plant pests, diseases, and weeds.

ID Source's websites ("ID Aids") are a unique subset of the web, chosen because they're about identification, then vetted for quality. ID Source is searchable – you can search for ID Aids on a pest by name, geographic region, commodity affected, and more.

http://idsource.colostate.edu/cwis438/websites/IDSource/Home.php?WebSiteID=11

TortAI: Tortricids of Agricultural Importance

Collaborators: Colorado State University and California Department of Food and Agriculture
Authors: Todd M. Gilligan and Marc E. Epstein

USDA CPHST is pleased to announce the release of TortAI: Tortricids of Agricultural Importance developed through collaboration among CPHST's Identification Technology Program (ITP), Colorado State University (CSU), and California Department of Food and Agriculture (CDFA). TortAI is designed to aid in the identification of tortricid adults encountered during domestic surveys and tortricid larvae encountered during quarantine inspections at U.S. ports of entry.

TortAI includes interactive identification keys (adult and larvae), detailed fact sheets, an illustrated glossary, a module on dissecting and preparing specimens, identification thumbnail galleries, and a database of DNA barcode sequences. This multi-media tool provides instructions and tips for using the adult interactive key by the USDA Cooperative Agricultural Pest Survey (CAPS) and for those individuals requiring identification support for larval interceptions at U.S. ports of entry.

Attached to this email is a copy of an announcement containing an overview of ITP's new digital identification tool for PPQ and its partners. Please feel free to forward this email and/or the attachment to your colleagues.

TortAI can be accessed at: idtools.org/id/leps/tortai/
To view additional digital identification aids for tortricids, via ID

Source, visit ID Source · Tortricids

To view additional digital identification tools released through CPHST ITP, visit http://tinyurl.com/ID-Source-ITP

Bulletin of the California Insect Survey

Todas las publicaciones del Bulletin of the California Insect Survey (lista adjunta) están disponibles y gratis en la página del Museo Essig de Entomología, UC Berkeley en la siguiente dirección electrónica:

http://essig.berkeley.edu/resources/cis_publications.shtml

Aunque muchas tienen más de 50 años de haber sido publicadas, es lo más completo que existe para la entomofauna del estado y en muchos casos aplicable a Centro y Sur América.

AphID

CPHST's Identification Technology Program (ITP) is pleased to announce the release of its latest identification tool, AphID. AphID is intended to help US port identifiers, quarantine officers, and anyone seeking a preliminary but relatively simple way to identify aphids. A total of 66 aphid species are treated. AphID includes the 38 polyphagous aphid species in the three seminal works by Roger Blackman and Victor Eastop (Aphids on the World's Crops, Aphids on the World's Trees, and Aphids on the World's Herbaceous Plants and Shrubs). The remaining aphids represent the 28 species most frequently intercepted at U.S. ports of entry that are not already represented on the Blackman & Eastop list.

AphID was developed through collaboration among CPHST, USDA-ARS, University of Maryland, and Université de Montréal. The tool includes an interactive identification key to the winged and wingless morphs of the 66 species, descriptive pages with detailed imagery of each species, and an in-depth glossary and morphology tutorial.

http://aphid.aphidnet.org/