Important Updates from 9th ISFFEI LOC

Bob Mangan Retired from USDA on 14 December 2013

I was born in Washington D.C. during the final months of the Second World War, and grew up and attended public school in Fairfax County, Virginia.

My parents both had graduate degrees from elite universities, and I was very concerned that my education was inadequate to compete with them academically, as I was really more interested in competitive swimming.

The large state universities in Virginia at that time were restricted to men only, which did not seem natural to me; so ... More
In recent years, the growing interest in the use of the Sterile Insect Technique for *Anastrepha fraterculus* has prompted a series of studies to increase biological knowledge required to develop this specific technique. A key component of this control method is that sterile males reach sexual maturity in the field and compete successfully with wild males for copulations with wild females. Males of *A. fraterculus* have a sexual maturation period of 7 to 10 days and therefore the released individuals need to find enough resources...

The medfly distribution map was recently updated based on data from National Plant Protection reports, TWD members and literature sources. This is a dynamic project and your input will certainly help regularly fine-tuning the map at national and sub-national levels.

The medfly distribution map of the Mediterranean fruit fly *Ceratitis capitata* Jorge Hendrichs - FAO/IAEA

The medfly distribution map of the Mediterranean fruit fly *Ceratitis capitata* (Wiedemann)

The caper fly *Capparimyia savastani* (Martelli) Mazzon L. and Martinez-Sañudo I. University of Padua, Italy

*It looks like Ceratitis capitata!*

*Capparimyia* Bezzi (Dacinae, Ceratitidini) is a genus primarily distributed in the Afrotropical Region. It includes eight species which develop in host plants of the Capparidaceae family. The eight species were all revised, a key was provided as well as a study outlining..

More..
A new version of the MEDFLY Outbreak and Extirpation Simulation tool (MED-FOES version 0.5) was posted on the web.

MED-FOES is an Agent-Based Simulation (ABS) designed to estimate appropriate quarantine length after medfly detections in an exclusion area.

This software can easily run up to tens of thousands of simulations on a single computer via a Graphical User Interface (GUI). Video

The Centre for Insect Biotechnology in Giessen, Germany

A new EUR 48 million scientific “lighthouse” for insect biotechnology is being established in Giessen, Germany.

The centre is expected to contribute to the development of new active agents, products and services on the basis of knowledge acquired from insects.

New Queensland fruit fly mass rearing facility in Australia

The construction of a cutting edge research and development facility in the Upper Spencer Gulf to combat Queensland fruit fly, Bactrocera tryoni, was announced by Premier Jay Weatherill in November, 2013. Researchers at the new $3 million facility will develop male-only sterile Queensland fruit flies. The sterile males will be used to eradicate outbreaks interstate, where the pest is endemic in many areas, as well as in South Australia if isolated detections are found. "Sterile insects have been used with great success here and around the world, but this will be a first for Q-flies," Mr. Weatherill said.

Source: The Weekly Times
Next events

2nd RCM of IAEA CRP on Use of Symbiotic Bacteria to Reduce Mass-Rearing Cost and Increase Mating Success in Selected Fruit Pest in Support of Sit Application (will be held in the week preceding the 9th ISFFEI), 6–10 May 2014, Bangkok, Thailand.

Workshop on Characterization of Symbionts of Fruit Flies of Economic Importance via Bioinformatic Approaches. 4–5 May 2014, Bangkok, Thailand.

FAO/IAEA Consultants Meeting on Process Control for Fruit Fly Facilities


9th International Symposium on Fruit Flies of Economic Importance (9ISFFEI) May 12 - 16, 2014, Bangkok, Thailand.


8th International Congress of Dipterology, August 10-15, 2014, Potsdam, Germany

25th International Congress of Entomology (ICE 2016), September 25 - 30, 2016, Orlando, Florida, USA.

3rd Meeting of Tephritid Workers of Europe, Africa & the Middle East (TEAM 2016), Stellenbosch, South Africa (see note).

9th Meeting of Tephritid Workers of the Western Hemisphere (TWWH) 2016 - Call for proposals. Proposals will be discussed at the 9th ISFFEI Symposium in Thailand.

24th International Training Course on Fruit Flies, Metapa, Chiapas, Mexico, June 30-July 11, 2014.
Scholarship  Insect ecology and molecular biology

**PhD project:** Probiotic diets to increase Queensland fruit fly male performance as part of the sterile insect technique.

The Centre of Excellence for Plant and Animal Health, NSW Department of Primary Industries and Hawkesbury Institute for the Environment, University of Western Sydney.

[Announcement](#)  [Application form](#)

**Why not you?**

Contributions received before 1st May 2014 will be posted on the next FFN issue (#28).  [Editors](#)