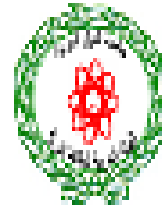


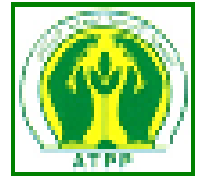


Joint FAO/IAEA Programme  
Nuclear Techniques in Food and Agriculture

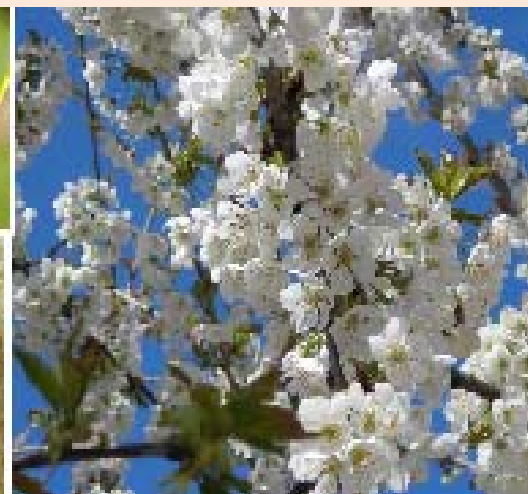
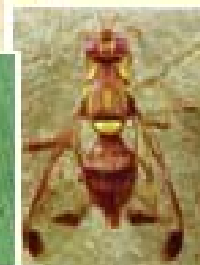
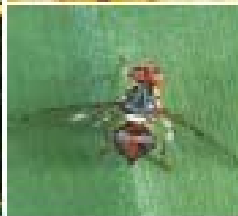
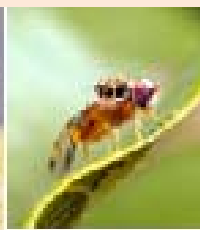
IARC/WPRS  
North Africa  
Commission



NEPPO  
منظمة المنطقة العربية للتعاون في الأغذية  
and Nuclear Techniques



**Regional Symposium**  
**on the Management of Fruit Flies in Near East Countries**  
**Hammamet, Tunisia, 6-8 November 2012**  
**2<sup>nd</sup> Announcement**



## I. Background

Globally, fruit flies (*Diptera, Tephritidae*) are one of the most agriculturally important families of insects. About 70 species of fruit flies are considered important agricultural pests, causing very high losses every year. Fruit flies attack fruits of many important crops, including for example citrus, mango, apples, peaches, apricots as well as some vegetables (especially *Cucurbitaceae*), seed crops and also many wild plants. The major fruit fly genera present in Near East countries are *Ceratitis*, *Bactrocera*, *Dacus* and *Rhagoletis*.

The economic effects of fruit flies include not only the direct loss of yield and increased control costs, but also the loss of export markets and/or the cost of establishing and maintaining phytosanitary measures, such as Fruit Fly Free Areas, areas of low pest prevalence, treatment facilities and supersession/eradication programmes. In many countries, the exportation of most commercial fruits is severely restricted by stringent phytosanitary measures aimed at preventing the introduction and spread of fruit fly species.

Several species of *Tephritidae* have been spread by man either intentionally or accidentally beyond their natural habitat. Mediterranean countries, including Near East countries, have also become highly vulnerable to the introduction of invasive alien fruit fly species with the intensification of the international fruit trade. So far, the invasive fruit flies in the Near East are members of the genus *Bactrocera*: *Bactrocera zonata* and *B. cucurbitae*. The precise date of their accidental introduction/invasion into the region is unknown, but they are of Asian origin. The pest is currently widespread across many countries in the region, causing huge losses to various commercial crops and restricting access to markets.

However, the Near East, including North Africa (except Sudan), is still free from the invasion of, for example, *Ceratitis cosyra*, *Bactrocera latifrons* and the most devastating pest, *B. invadens*, which is very widespread in Africa. But, with the globalization of trade, the increase of human movement carrying infested fruits, poor or absent surveillance systems, insufficient staff capacity in identification, resources and the limited infrastructure of the quarantine facilities in many countries, especially in the African continent, the threat of trans-regional invasion across Africa is becoming more imminent. A joint effort within and between the different regions of Africa, the Near East and South Europe is becoming increasingly crucial if the war against fruit flies is to be won.

*The aim of this Symposium* is to provide a common forum for researchers, phytosanitary regulatory and technical authorities, experts from extension services or advisory bodies, and the fruit and crop protection industry, to share their knowledge on fruit fly biology, phytosanitary and management measures in order to identify gaps in knowledge, research needs and actions to take in case of new introduction in the Near East region (including North Africa), in close collaboration with farmers.

## II. Symposium themes

Plenary lecture, round table, discussion, poster sessions as well as a field and a touristic trip will be organised. The Symposium is intended to address the following issues:

- Brief background, history and geographical distribution of fruit flies;
- Biology, ecology, life cycle, host preferences and nature of damage of fruit flies;
- Detection and phytosanitary measures (pathways);
- Management strategies:
  - Surveillance;
  - Semiochemicals (mass trapping, bait stations);
  - Sanitation (good agricultural practices);
  - Sterile Insect Technique (SIT);
  - Male Annihilation Technique (MAT);
  - Chemical control (present status of available active substances);
- Contingency measures to response to outbreaks;
- Problems outside the Near East region, especially in Africa, Asia and South Europe;
- Round table: Recommended IPM-fruit flies strategies;
- Technical and touristic trip to Cap bon, Tunisia.

## III. Organizers

The Symposium on the Management of Fruit Flies in Near East Countries (including North Africa) will be organized jointly by FAO, FAO-IAEA, AAEA, NEPPO, IOBC North Africa Commission, DG Plant Protection in Tunisia and the Tunisian Association of Plant Protection (ATPP), in Hammamet, Tunisia from 6 to 8 November 2012.

### Local Organizing Committee (Tunisia):

- Nasraoui, Bouzid (Coordinator), DGPCQPA;
- Chébil, Mehrez (Vice-Coordinator), ATPP;
- Bougacha, Ahmed, FAO-Tunisia;
- Boulehya, Synda, INAT;
- Chérif, Mohamed, CTA;
- Héli, Fethia, DGPCQPA ;
- Jammazi, Adel, DGPCQPA;
- Loussaief, Faycal, DGPCQPA;
- Mediouni, Jouda, INRAT ;
- Merhaben, Jamal, CRDA, Nabeul;
- M`saad, Meriem, CNSTN;
- Rashad Kassem Ahmed, AAEA;
- Secretariat:  
BenLarbi, Neila (FAOSNE) and [monia.benjaafar1@bayer.com](mailto:monia.benjaafar1@bayer.com) (ATPP)

## International Organizing Committee:

- AlDobai, Shoki, FAO-RNE;
- Alrouechdi, Khaled, FAO-AGP;
- Alsaqan, Fahed, KSA;
- Baangoud, Saeed, Yemen;
- Bahdousheh, Mary, Jordan;
- Besri, Mohamed, IOBC, North Africa Commission;
- Birisik, Nevzat, Turkey;
- Cardoso, Pereira Rui, FAO-IAEA;
- Chouibani, Mekki, NEPPO;
- Eltayb, Najat, Sudan;
- Faris, Samira Mohamed, icipe;
- Hasanain, Yousuf Abdel Raheem, Iraq;
- Hashem, A.F., Egypt;
- Heidary, Hussein, Iran;
- Impiglia, Alfredo, FAO, Reg. IPM, N.E.;
- Kafou, AliAmin, Libya;
- Mahjoub, Abdelmajid, AAEA;
- Mansour, Mohamed, Syria;
- Mazih, Ahmed, Morocco;
- Nasraoui, Bouzid, Tunisia;
- Petter, Françoise, EPPO.

## **IV. Symposium languages**

English and French are the official languages of the Symposium.

## **V. Registration fees**

- Registration fee: 50 Euros
- Special fee for students: 25 Euros
- Account details: participants are invited to pay by transfer directly to the following ATPP special bank account (*all bank charges being at participants' expense*):  
ATPP account. Amen bank, place Pasteur, Tunis, Tunisia.  
Rib: 07001000110554347294.  
Code swift. C F C.TT N TT.

The registration fee covers coffee breaks, symposium abstracts, and the technical and touristic trip.

## VI. Hotel:

**Hôtel Vincci Taj Sultan 5\***, Yasmine Hammamet

BP 253 | 8050 Hammamet - Tunisia

Tel.: +216 72 240 290 | Fax: +216 72 240 411

amine.kalai@vinccitunisia.com, [www.vincchoteles.com](http://www.vincchoteles.com)

Participants are invited to make their booking by themselves and the reservation request should be sent as soon as possible, directly to the hotel by E.mail: amine.kalai@vinccitunisia.com, with a copy to the coordinator of the local organizing committee, Prof. Nasraoui Bouzid (E.mail: nasraoui.bouzid@iresa.tn)

*Hotel confirmation will be sent to the participants by the hotel. Please note that reservations will be made on a first-come, first-served basis.*

### A. Single Room:

- Half board: 55 DT (US\$ 37) per person per night
- Full board: 65 DT (US\$ 44) per person per night

### B. Double Room:

- Half board: 50 DT (US\$ 34) per person per night
- Full board: 60 DT (US\$ 40) per person per night

Sup. sea view: free of charge

Extra lunch: 16 DT (US\$ 10.50) per person including ½ water.

**N.B. Payment will be upon arrival**

## VII. Visa

For some countries, a visa to enter Tunisia is required. Check with your travel agency and/or the Tunisian Embassy in your country.

## VIII. Temperature

In November, it is rather cold, particularly at night. Bring warm clothes.

## IX. Programme

- 5 November 2012: Arrival
- 6 November: Opening and presentations
- 7 November (afternoon): Field trip
- 8 November: Presentations and end of the meeting
- 9 November: Departure

**Transportation to Hammamet will be assured by the organizers.**

## **X. Contacts**

- 1. Dr. Khaled ALROUECHDI**  
**FAO, Agriculture Officer- IPM**  
**Plant Production and Protection Division (AGP)**  
Viale delle Terme di Caracalla  
00153 Rome, Italy  
Khaled.Alrouechdi@fao.org  
Office phone: (+39) 06 5705 6678  
Office fax: (+39) 06 5705 3057  
Mobile phone: (+39) 3289645627  
<https://www.fao.org>
  
- 2. Dr. Bouzid NASRAOUI**  
**Director General of the Protection and the Control of the**  
**Agricultural Product Quality, Ministry of Agriculture**  
30 Rue Alain Savary, 1002 Tunis, Tunisia  
[nasraoui.bouzid@iresa.tn](mailto:nasraoui.bouzid@iresa.tn)  
Office phone: (+216) 71 788 979  
Office fax: (+216) 71 784 419  
Mobile phone: (+216) 98 29 29 17  
<http://www.iresa.tn/tipp>

**XI. Registration form**

Participants are invited to send the registration form or confirmation of their registration by **the end of August 2012**.

**Regional Symposium  
on the Management of Fruit Flies in Near East Countries  
Hammamet, Tunisia, 6-8 November 2012**

**Name:** .....

**Address:** .....

.....

**Organization:** .....

.....

**Phone:** .....

**Fax:** .....

**E-mail:** .....

Please tick (x) below.

I wish to:

( ) participate with oral presentation,

( ) participate with poster presentation,

( ) participate as observer.

## **XII. Abstract form**

**Regional Symposium  
on the Management of Fruit Flies in Near East Countries  
Hammamet, Tunisia, 6-8 November 2012**

### **Abstract**

Title of the presentation: .....

Name of the author(s): .....

(Underline the name who will present the paper)

Address & E- Mail: .....

.....

**Not more than one page (30 – 35 lines)**

**NB: Presentation: 20 min.**

**Deadline for abstract and manuscript: end of August 2012**

### **Instructions to the Authors**

#### **How to prepare a ready for print manuscript Abstract?**

The papers should be in English or French. The content should be clear, concise, and have been revised by an experienced speaker of one of the language used. The papers should consist of an abstract and key words.

#### **Principal formatting of the papers:**

1. Paper-format: A-4.
2. Left and right margins of the text: 2.5 cm; upper margin: 3.0 cm; lower margin: 2.5 cm. This results in a printing area of 16 cm x 23.7 cm.
3. Line spacing: 1.
4. Font: "Times New Roman" or "Times".
5. All titles and subtitles should be flush left.
6. Font of the abstract: 11 pt.
7. Font of the running text: 12 pt (except titles and abstract).
8. No hyphenation in the text.
9. Justification of the text.
10. Make sure that the first lines of all paragraphs (except for the paragraph that follows a title) are indented with a [Tab] command (0.8 cm). Do not use spaces instead of tabs and indents. Do not repeatedly use Standard-Tabstops.
11. Scientific names of plants and animals in Italics.
12. The authors' names should be typed in the normal font (not in capitals or any other face, not bold).
13. Do not number the pages; the page numbering will be done later.