

**International Symposium on the Management of
Tomato borer, *Tuta absoluta*
Agadir, Morocco, 16-18 Nov. 2011**



**Efforts of FAO on the management of the Tomato
borer *Tuta absoluta***

By

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**** Awareness/extension through the different activities of FAO (workshops, meetings, seminars, personal contacts (IPM, PFF, RPW, WG/Phytosanitary control....)**

**** A short note prepared and sent, from FAO SNE Tunis, to all colleagues/plant protection field, FAO HQ and and FAO offices in the Mediterranean region**

**** A seminar: Management of Tomato borer: *Tuta absoluta* (Meyrick), a serious threat to vegetable crops in the Mediterranean countries.**

Khaled ALROUECHDI. 10th Arabic Cong. Plant Protection, Ar. Society for Plant Protection, Lebanon, Oct., 2009

First activity in the field: TCP/ALG/3202:

Lutte intégrée contre la mineuse de la tomate en Algérie

T absoluta detected in Algeria end **2008**

The project was approved in the beginning of **2009... 2011**

Collaboration:

FAO/ Sub-regional Office for North Africa (SNE), Tunis

Algeria/Ministère de l'Agriculture et du Développement Rural (MADR), represented by two Institutions:

- **DPVCT** : Direction de la Protection des Végétaux et de Contrôle Technique
- **INPV** : Institut National de la Protection des Végétaux

- **Awareness, extension** program/technicians, farmers, NGOs;
- **Training of trainers** and **training sessions**/Farmers;
- Establishment detection and **monitoring system**: visual, plant sampling but and pheromone traps ;
- **Integration of several control means** available:
 - Before planting
 - After planting
 - After the end of cropping
- **Phytosanitary measures**
- **preventive methods**
- **cultural practices,**
- **natural enemies**
- **IPM**

with the supervision of

- FAO Technical assistance/ SNE
- International expert **Dr. Alberto Urbaneja**
- National consultant, Dr. Dridi,

**First FAO project and first
Technical Assistance to Algeria, North Africa and NE**









**FAO Emergency project: Urgent provision of
inputs to combat outbreak of Tomato borer
~~Leaf Miner~~ infestation in the Gaza Strip -
HRF/OPT/O355/069**

**The project was implemented over a 4 month
period, from 1 July to 31 October 2010.**

Project Objectives

- To help in sustaining the livelihoods of up to 3 000 farming families (tomato growers) in the Gaza Strip through the provision of appropriate measures to control the infestation and spread of *Tuta absoluta*;
- To upgrade farmers' skills and awareness to improve pest control through training.

The project was characterized by exceptionally close cooperation with local NGOs (19 NGOs)

- 10 000 water traps and 30 000 pheromone packs to 3 000 tomato-growing farming families
 - **Training** for farmers groups on the use of traps and monitoring disease
 - **Awareness** and **control** of *Tuta absoluta* and other plant diseases.
-
- Procurement and distribution of 1 500 greenhouse repair kits
 - Procurement and distribution of 97 rolls of woven-unw





GTFS/REM/070/ITA Project

FAO “Regional IPM Programme for the Near East”

Activities related to *Tuta absoluta* (2010 – 2011)

Jordan

*Special focus on *T. absoluta* management through 20 IPM/FFS on Tomato

** Purchase of 50 000 pheromone capsules to be distributed to Tomato growers all over the country.

Lebanon

*Local expert consultant/ IPM training with special focus on *T. absoluta*,

Syria

*International Consultant training workshop on *Tuta absoluta* management for Syrian facilitators (IPM/FFS) and MoA staff

Palestinian Territories

Collaboration with Ministry of Agriculture, FAO
Emergency team (TCES)

An emergency project was formulated specifically to assist tomato growers in Gaza.

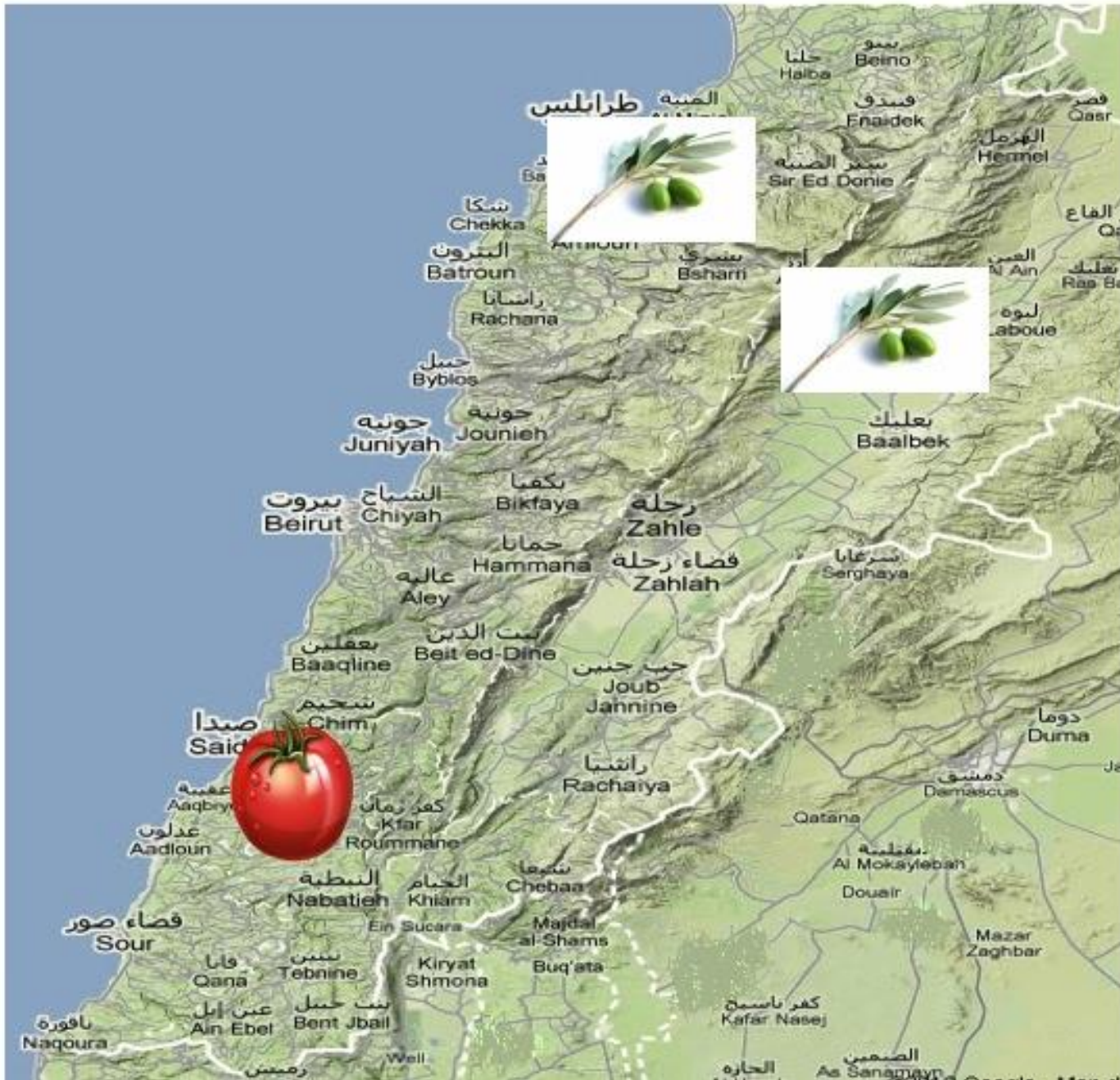
Morocco

Hosted a Tour visit for 12 representatives from Jordan, Lebanon and Palestinian Territories / management of *T absoluta*.

Algeria

National expert /trainings on Tomato and Citrus Leaf Miners with special focus on *Tuta absoluta* for the local FFS Facilitators and NPD.







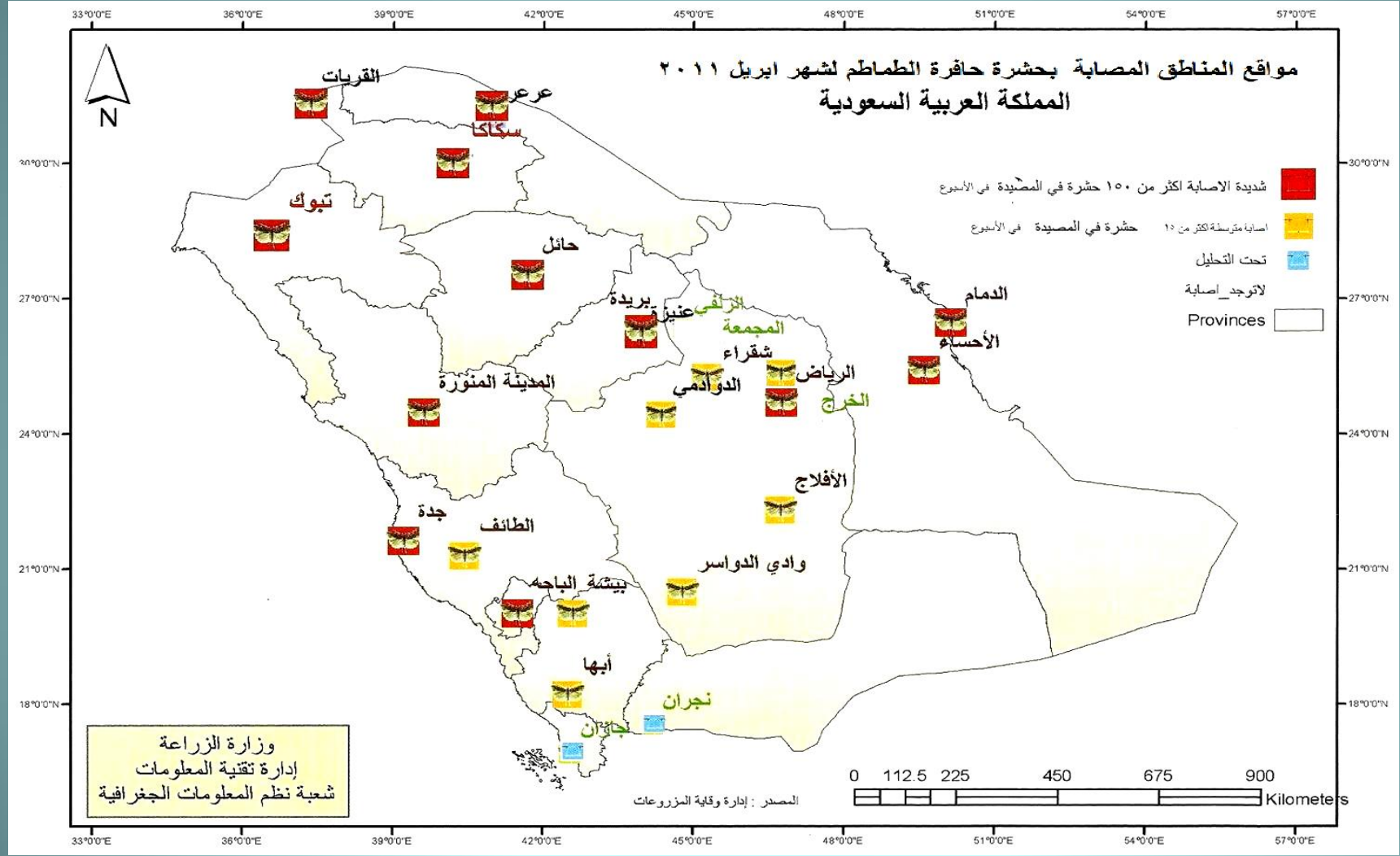


SAU/025/SAU: Capacity Building in integrated Health Management/ KSA

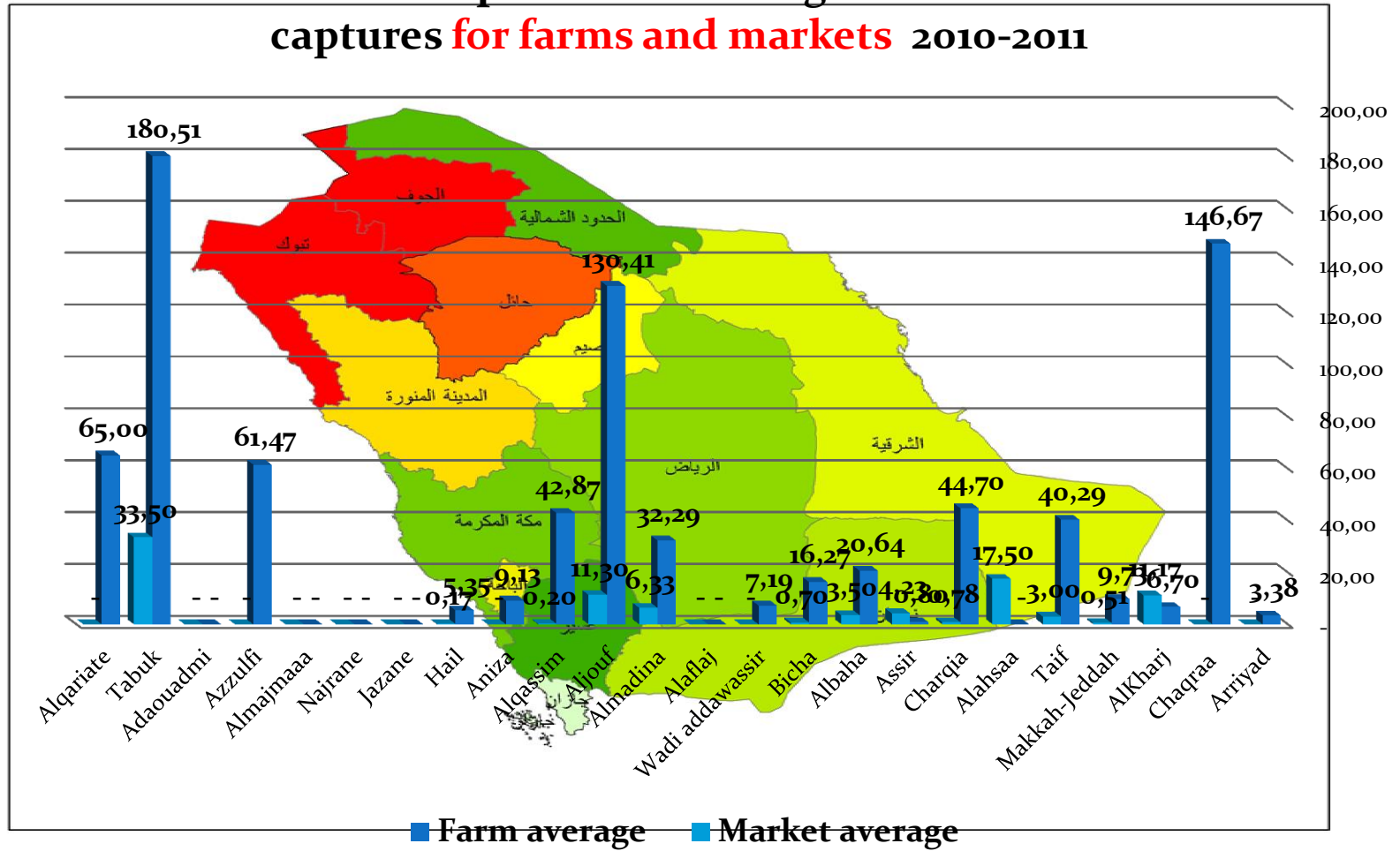
The overall objective of the project is to build National Capacity in Integrated Pest Management in order to improve conditions of food safety, ensure an efficient and sustainable agricultural production while taking into consideration occupational health and agro-biodiversity conservation.

- **Detection and monitoring** of *T absoluta*/ pheromone traps in different departments including markets/ data base
- **Training** of trainers and training sessions /Tuta IPM
- **Establishment of several FFS/*T. absoluta***
- Establishment of a **biological control** program importation / production and release of natural enemies
- **Different publications:** awareness/extension and training, etc.





Directorate comparative of averages of Tuta absoluta captures for farms and markets 2010-2011



National field seminar on the management of *T. absoluta*, Oman 23-25 Oct., 011

- **Organizers:** the seminar was organized jointly by FAO (RNE) & National Plant Protection Organization in Oman.
- **Participants:** 25-30 participants (technicians & farmers);
- **Seminar themes:** the seminar discussed the following subjects:
 - First day:** - Importance of tomato/ *Solanacea* production and main pests in Oman (national expert),
 - Bio-ecology of *T. absoluta*, surveillance and management (FAO: Shokri ALDOBAI);
 - IPM programme/tomato (participants);
 - Conclusions and recommendations
 - Second day:** Field visit: surveillance, damage, biology and control.



تحت رعاية

معادة السيد / هلال بن مسلم بن علي الموسعدي
المستشار بمكتب الوزير

النجاح

ورشة العمل حول التعرف بمحشرة فراشة الأنفاق

Tuta absoluta وأهميتها الاقتصادية

خلال الفترة من ٢٣-٢٥ / ١٠ / ٢٠١١ م







**EPPO/IOBC/FAO/NEPPO Joint International
Symposium
on the management of *Tuta absoluta* (tomato borer)
Agadir, Morocco, 16-18 November, 2011**

- Participating in the **International Organization Committee**
- Recruitment of an **International expert** from south America (Dr Raul Guedes)

-Funding the participation of several colleagues:

**** Project FAO IPPM/ West Africa**

- Mauritania **1**

**** FAO project IPM Near East/ GTFS/REM/070/ITA:**

- Iran: **2**
- Iraq: **1**
- Syria: **2**
- Jordan: **2**
- Lebanon: **2**
- Egypt: **2**
- Tunisia: **2**
- Algeria: (**2** Algerian participants were invited, BUT they didn't receive permission by their Government to participate)
- Morocco: **8**
- Coordination: **1**

Different projects (HRF/OPT/O355/069)

- **Palestinian Territories.** (West Bank**1**. Gaza**1**). **Total: 25 participants**

FAO in **Central America** has worked closely with OIRSA in monitoring the spread of Tuta in the subregion and helping countries develop priority strategies for its management. **A subregional workshop** was held in **Honduras** last year. Most countries have produced basic brochures that help in identification and recommend control measures. FAO has supported this work in Guatemala. The OIRSA web site contains updated information on Tuta, which can be found here:

<http://www.oirsa.org/portal/Tuta-Absoluta.aspx>

NEW Regional TCP project *Tuta absoluta*/Near

A document of a regional TCP project is being finalized covering the Management of *T. absoluta* in the Near East Countries. This project essentially, covers:

- National and regional awareness/ training sessions on: biology, damage, surveillance and control of the pest (IPM strategy),
- Necessary phytosanitary measures on national and regional levels,
- Collaboration on national regional and international levels,
- Qualified international and national consultants as well as material for the planned activities,
- Participating countries: Egypt, Iran, Iraq, Jordan, Lebanon, Syria, Yemen (7).

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THANKS

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