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**Written reports from relevant international organizations - Report from
the Joint FAO/IAEA Programme of Nuclear Techniques in Food and
Agriculture**

Agenda item 14.3

Prepared by the Joint FAO/IAEA Programme

English only



Report from the Joint FAO/IAEA Programme of Nuclear Techniques in Food and Agriculture to CPM-14 (2019)

1. The International Atomic Energy Agency (IAEA), in cooperation with the Food and Agriculture Organization of the United Nations (FAO) through its Joint FAO/IAEA Programme of Nuclear Techniques in Food and Agriculture (Joint FAO/IAEA Programme), has actively supported the Secretariat of the International Plant Protection Convention (IPPC) since 2004 in the development and review of International Standards for Phytosanitary Measures (ISPMs) and its activities to improve phytosanitary capacity of IPPC Contracting Parties.
2. The Joint FAO/IAEA Programme continued to support the IPPC Secretariat in 2018.
3. The *Technical Panel on Pest Free Areas and Systems Approaches for Fruit Flies* (TPFF) was supported in particular through the review of technical information related to the Reorganization and harmonization of fruit fly standards, which was adopted by the CPM-13 (2018).
4. In further support of *Technical Panel on Phytosanitary Treatments* (TPPT) activities, the Joint FAO/IAEA Programme has provided expertise and helped review supporting data related to ISPMs. The Joint FAO/IAEA Programme is proud to have helped facilitate the successful adoption of eight treatments adopted as Annexes to ISPM 28, the last of which was the “Vapour heat treatment for *Bactrocera dorsalis* on *Carica papaya*” in 2018.
5. In terms of development of technical materials to support the implementation of the ISPMs, upon the request of FAO and IAEA Member States the following materials were produced in 2018:
 - a. FAO/IAEA (2018). *Plan de Acción en Caso de Detección de Moscas de la Fruta No-Nativas Reguladas del Género Bactrocera spp en América Latina y El Caribe*, by Enkerlin, W.R. (ed.) Vienna, Austria, 53 pp¹.
 - b. FAO/IAEA (2018). *Trapping Guidelines for Area-wide Fruit Fly Programmes, Second edition*, by Enkerlin, W.R. and Reyes-Flores, J. (eds). Rome, Italy. 65 pp.²
 - c. FAO/IAEA (2018). *The Dashboard for Managers of Insect Production Facilities A Mass-Rearing Metrics and Monitoring Tool*, by Rendon, P., Aldana, A. and Caceres, C. (eds). Vienna, Austria, 18 pp.³
 - d. FAO/IAEA (2018). *Manual para diferenciar moscas de Anastrepha ludens (Loew) silvestres y criadas de cepa normal (“bi-sexual”) y cepa sexada genéticamente (Tapachula-7), irradiadas y sin irradiar*. Guillen Aguilar J.C., Lopez Muñoz L., Lopez Villalobos E.F. y Soto Garcia D. N. Roma, Italia, 95 pp.⁴
6. A valuable resource in support of IPPC is our development, collection of references and maintenance of the new *International Database on Commodity Tolerance (IDCT)*. This cost-free internet resource provides a technical summary with detailed references to appropriate information in the scientific literature dealing with commodity quality

¹ FAO/IAEA Plan de Acción: http://www-naweb.iaea.org/nafa/ipc/public/Plan-de-Accion-Bactrocera-spp_agosto2018-Final.pdf

² FAO/IAEA Guidelines: [http://www-naweb.iaea.org/nafa/ipc/public/Trapping-guideline-\(002\).pdf](http://www-naweb.iaea.org/nafa/ipc/public/Trapping-guideline-(002).pdf)

³ FAO/IAEA Dashboard: <http://www-naweb.iaea.org/nafa/ipc/public/MANUAL-MASS-REARING-METRICS-AND-MONITORING-TOOL-Ver-1.pdf>

⁴ FAO/IAEA Manual: <http://www-naweb.iaea.org/nafa/ipc/public/Manual-para-diferenciar-moscas.pdf>

(mainly fruits and vegetables) and absorbed radiation dose when irradiation is used as phytosanitary treatments.

7. The Joint FAO/IAEA Programme contributed to the capacity building of the participants of the SPS Committee Thematic Session on Pest Free Areas of World Trade Organization (WTO) through a keynote lecture.
8. The Joint FAO/IAEA Programme actively participated in the Expert Panel on Drafting a Procedure Manual on Establishment and Maintenance of Pest Free Areas (PFA) and Areas of Low Pest Prevalence (ALPP) in support of IPPC Secretariat.
9. In terms of capacity building, the Joint FAO/IAEA Programme has devoted part of its technical assistance delivery to regulatory aspects and facilitating the implementation of the ISPMs in developing countries through regional workshops and technical meetings. In 2018, 3 FAO/IAEA regional courses and workshops were held on:
 - a. *“Use of GIS and International Standards for Phytosanitary Measures (ISPMs) for Fruit Fly Activities in Africa”, August 2018, Gaborone, Botswana.*
 - b. *“Early Detection of Invasive Non-native Fruit Fly Species and Emergency Response”, October 2018, Amman, Jordan.*
 - c. *“Phytosanitary Measures for International Trade of Fruits and Vegetables in Latin America”, December 2018, Guatemala City, Guatemala.*