



## IC PROJECT REPORTING TEMPLATE AS PART OF THE STRATEGY AND PROCESS ON HOW THE IC REVIEWS AND ANALYSES ICD PROJECTS

**Project Title:** Establishing the Sterile Insect Technique Methodology for the Management of the False Codling Moth, *Thaumatotibia leucotreta*, And Enhancing Integrated Pest Management Against the Peach Fruit Fly, *Bactrocera zonata*

**Reporter (name, position):** Insect Pest Control Section, Joint FAO/IAEA Centre of Nuclear Techniques in Food and Agriculture

**Project Code (if applicable):** ISR5022

1. Project Profile	
Recipient Region(s)/ Countries	Israel
Donor/ Resource Partner	IAEA / TC
Collaboration / Participating Organizations	IAEA / Ministry of Agriculture and Rural Development - Israel; Plant Protection and Inspection Services (Bet Dagan)
Project Budget (detailed funds and/or in-kind)	92,470 Euro
Project Timing	Jan 2022 – Dec 2024
2. Summary of Project (Scope, Relevance to the IPPC, Main outputs, Success and challenges)	
<p>Project objective: To build capacity for an AW-IPM approach against two significant quarantine pests in Israel, i.e. FCM and PFF, including the sustainable application of SIT against the pests, thereby improving management of pest population and distribution and supporting compliance with export destination requirements.</p> <p>Project outcome: Improved ability to control FCM population and distribution, and thus to maintain a pest free area outside the area of the moth's distribution, and to keep population within the infested area below a defined threshold, by adapting and developing existing SIT protocols to suit the requirements and conditions in Israel.</p>	
3. Project Supporting Materials [e.g. hyperlinks]	
Not applicable	
4. List project technical resources (i.e. guides, training materials, tools) that could be useful and used by other stakeholders	
<p>FAO/IAEA (2021). E-learning course on Fruit Sampling for Area-Wide Fruit Fly Programmes <a href="https://elearning.iaea.org/m2/enrol/index.php?id=1168">https://elearning.iaea.org/m2/enrol/index.php?id=1168</a>.</p> <p>FAO/IAEA (2021). E-learning course on Action Plan Against Quarantine Fruit Fly Species of the Genus <i>Bactrocera</i> spp. (in Spanish) <a href="https://elearning.iaea.org/m2/course/view.php?id=914">https://elearning.iaea.org/m2/course/view.php?id=914</a>.</p> <p>FAO/IAEA (2021). Sterile Insect Technique: Principles and Practice in Area-Wide Integrated Pest Management, 2nd ed., Dyck V.A., Hendrichs J. and Robinson A.S., (Eds.), CRC Press, Boca Raton, FL, USA. 1216pp. <a href="https://doi.org/10.1201/9781003035572">https://doi.org/10.1201/9781003035572</a>.</p> <p>FAO/IAEA (2021). Area-Wide Integrated Pest Management: Development and Field Application, Hendrichs J., Pereira R. and Vreysen M.J.B., (Eds.), CRC Press, Boca Raton, FL, USA. 1028pp.</p>	

<https://doi.org/10.1201/9781003169239>.

FAO/IAEA (2021) Animated infographic on Fruit Fly Standards can Help Gain Market Access.

<https://www.iaea.org/newscenter/multimedia/videos/fruit-fly-standards-can-help-gain-market-access>

FAO/IAEA (2020). Dose Mapping by Scanning Gafchromic Film to Measure the Absorbed Dose of Insects During Their Sterilization, Parker, A.; Gomez-Simuta, Y.; Yamada, H. (eds.), Food and Agriculture Organization of the United Nations/International Atomic Energy Agency. Vienna, Austria. 17 pp.

<https://www.iaea.org/sites/default/files/dose-mappin-ggafchromic-2020-11-02.pdf>

IAEA/OIRSA (2020). Guía armonizada de taxonomía e identificación de tefritidos que pudieran ser considerados de importancia económica y cuarentenaria en América Latina y el Caribe. Guillen Aguilar. Vienna, Austria. 209 pp. <https://www.iaea.org/sites/default/files/guia210220.pdf>.

FAO/IAEA (2020). E-learning Course on Fruit Fly Trapping in Support of Sterile Insect Technique Implementation. <https://elearning.iaea.org/m2/enrol/index.php?id=694>.

FAO/IAEA (2020). E-learning course on Packing, Shipping, Holding and Release of Sterile Flies in Area-wide Fruit Fly Control Programmes (Spanish) <https://elearning.iaea.org/m2/enrol/index.php?id=745>

Australia Scientific Advisory Services/FAO/IAEA (2019). A Guide to the Major Pest Fruit Flies of the World, Piper R., R. Pereira, J. Hendrichs, W. Enkerlin and M. De Meyer (eds.), Scientific Advisory Services Pty Ltd. Queensland, Australia. 43 pp.

FAO/IAEA (2019). E-training course on Packing, Shipping, Holding and Release of Sterile Flies in Area-wide Fruit Fly Control Programmes. <https://elearning.iaea.org/m2/enrol/index.php?id=600>.

FAO/IAEA/USDA (2019). Product Quality Control for Sterile Mass-Reared and Released Tephritid Fruit Flies, Version 7.0. IAEA, Vienna, Austria. 164 pp. <https://www.iaea.org/sites/default/files/qcv7.pdf>

FAO/IAEA (2019). Fruit Sampling Guidelines for Areawide Fruit Fly Programmes, Enkerlin W., J. Reyes and G. Ortiz (eds.), Vienna, Austria. 46 pp. <https://www.iaea.org/sites/default/files/ca5716en.pdf>

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. <https://www.iaea.org/sites/default/files/trapping-guideline.pdf>

**5. Provide a list of project experts that could be recommended to other stakeholders and describe why**

Mr Walther Enkerlin

**6. List targeted beneficiaries [i.e. regions, countries, RPPOs, NPPOs and other institutions]**

Israel, Middle East