Session 2.2
Enhancing Fruit and Vegetable Safety through Pest Control

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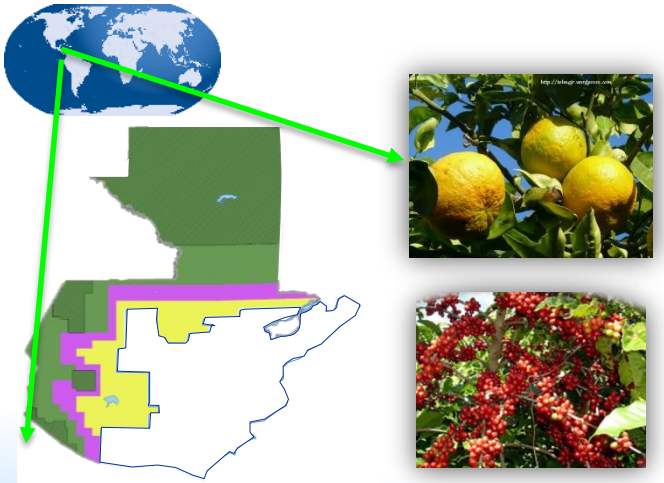
Guatemala

Mediterranean Fruit Fly Control and Eradication in Guatemala: Context and Challenges

- The availability of technological developments allows countries to generate better conditions for their citizens by creating jobs, generating income, reducing malnutrition and improving general health conditions.
- IAEA Technical cooperation (TC) projects have provided technologies that have allowed the development of solutions to stop the spread of the pest in the Americas.
- IAEA's collaboration has generated gradual gains by validating technologies that can be used in other countries.

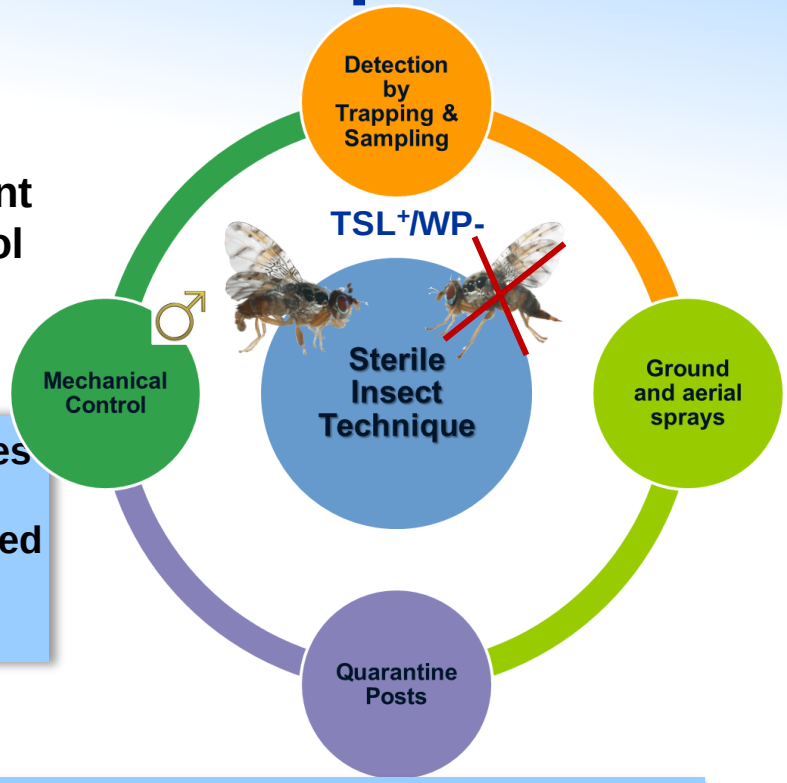


- Guatemala's position promotes international trade
- Tropical and sub-tropical climate
- Diversity of soil types
- Diversity of pest host crops

Mediterranean Fruit Fly 'medfly' Control and Eradication in Guatemala: The Response

Medfly is one of the most destructive pests in the world

It requires an Area-Wide Integrated Pest Management approach to achieve control



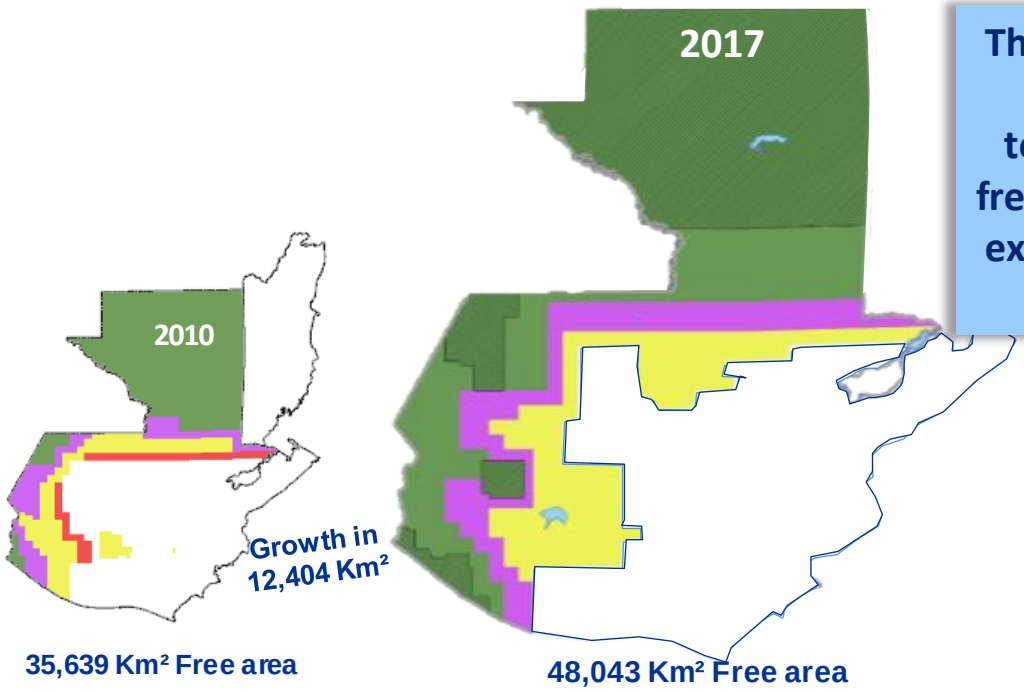
The Moscamed Program operates as a joint effort between the governments of Guatemala, United States and Mexico, with IAEA technical cooperation

El Pino 'medfly' rearing facility, the largest of its kind in the world, is the result of a technology transfer project with the IAEA. It provides quality sterile insects to cooperators.

The use of the sterile insect technique is critical to the protection of agriculture in the Americas especially in maintaining trade among countries.

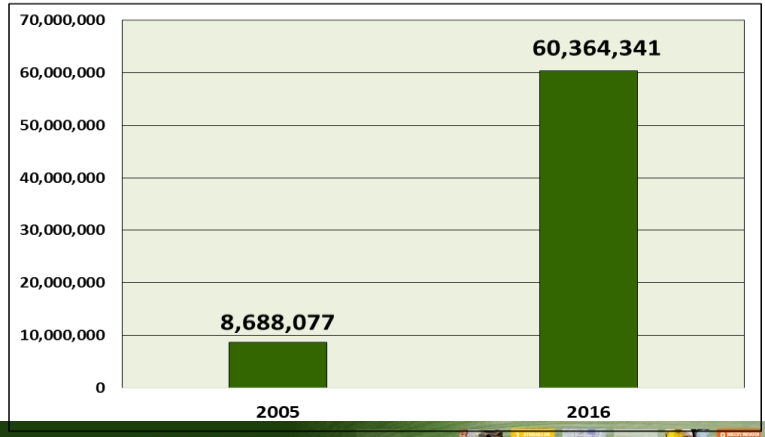
Achievements

- Generation of pest-free areas have increased fruit production, food security and incomes for local communities and the country



Through TC regional projects, Guatemala and other CA countries were able to produce and export tomatoes, bell peppers and papayas from medfly free areas under the systems approach. The value of exports from these countries amounts to hundreds of millions of dollars/year.

Yearly Guatemala's Exports of papaya, tomato, sweet pepper and mango combined value to all destinations (in US dollars)



IAEA's support continues to generate technological solutions for rearing, field control and release operations to enhance results and reduce operational costs, which greatly improves the success rate of TC projects and operational programs worldwide.