



Ministry of Agriculture

Plant protection and Inspection services
PPIS

PPIS

- The plant protection and inspection services in the MoA is responsible for :
- The enforcement of laws and regulations and provide of professional services in respect of plant protection
- Monitoring and prevention of plant pest as well as regulate the imports and agriculture products
- The PPIS as much as Possible, performers these function in compliance with international Sanitary and phytosanitary issues under the WTO agreement

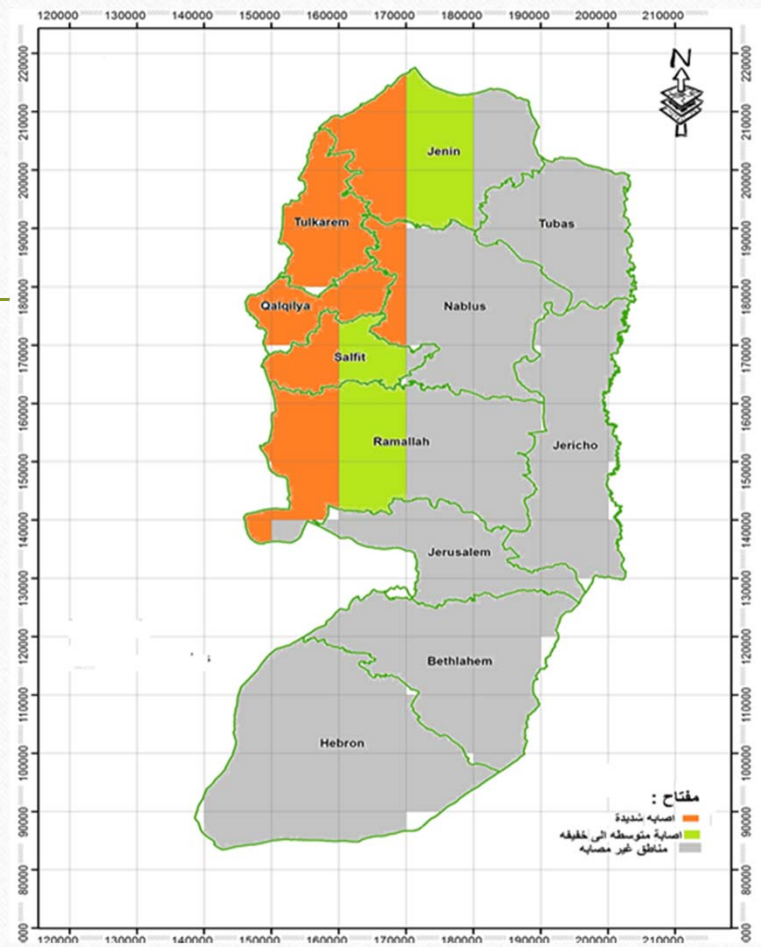
Introduction

- During the recent period, Palestine has been exposed to many agricultural pests, the most prominent pests were :
 - Olive leaf midge (*Dasineura oleae*)
 - Red palm weevil (*Rhynchophorus ferrugineus*)
- The spread of these pests would affected food security.

Olive leaf midge

- Olive leaf midge considered as minor pests in Palestine.
- As a result of climate change, especially during March (time of flowering) causing severe damage, especially in areas of high temperature and humidity such as Qalqiliya, Tulkarm, Jenin and the western areas of Salfit.

Olive leaf midge distribution(170,000 d) 2018



Olive leaf midge

- The (PPIS) quickly set a main goal :containment of this olive leaf midge in the infected areas and preventing entry into non infected area , through the implementation of a rapid action plan which not include using pesticides.

Reasons for not using pesticides:

- Organic olive oil .
- Expensive costs .
- The negative effects on the environment and biological enemies .

Olive leaf midge impact



PPIS - procedures

- Forming committees from all governorates of the competent engineers (MOA) to implement the surveillance, determine the areas and severity of infestation.
- 2 million Nis for rapid intervention has been customized from the cabinet according to MoA request as an urgent matter.
- A plan was put and developed to deal with the pest by distribution of yellow sticky traps and yellow lighted traps (Sfera Traps) to carry out the surveillance and monitoring in all olive areas.

PPIS- procedures cont...

- The objective of this procedures to surveillance, monitoring , study the biology, behavior and population density and infestation of the insect.
- Based on the results of these surveillance, suitable decisions will be taken.

Yellow traps



PPIS- procedures cont...

- Several meeting don between Palestinian university and PPIS
- Partnership and sharing of work between **scientific research** and(PPIS) for implement pest surveillane and monitoring to identify:
 - life cycle of the pest.
 - The harmful phase of insect.
 - Climatic changes and their effect on the pest.
 - Biological enemies and their spread within the available ecosystem.
 - Determination of the economic threshold for pest.

PPIS- procedures cont...

- Continuing farmers awareness.
- Training for the technical staff .