Fruit Flies In-silico
Prevention & Management

FF•IPM

In-silico boosted pest prevention
off-season focused IPM
against new + emerging fruit flies

TRAINING MATERIAL

Horizon 2020
European Union Funding
for Research & Innovation

FF•IPM Fruit Flies In-silico Prevention & Management

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ENTITY

Detection

FF•IPM Fruit Flies In-silico Prevention & Management

TRAINING MATERIAL

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DETECTION

Risk Based Detection Strategies

MODULE 10

Learning outcomes

TITLE OF MODULE

The module present the concepts behind the enhancement of trapping and surveillance systems for invasive and expanding fruit flies based on the determination of risk of fruit flies. Optimization strategies are based on the probability of detecting fruit flies in time and space.

Key Aspects

TITLE OF MODULE

Unit 1 (TITLE) / KEY ASPECT 1: Risk of Fruit Flies: When and where do we expect to find fruit flies?

Discussion Question #1: How can we determine when we expect to detect fruit flies
Discussion Question #2: How can we determine where we expect to detect fruit flies

Unit 2 (TITLE) / KEY ASPECT 2: fruit flies Detection tools
Discussion Question #1: What is the difference between monitoring and surveillance
Discussion Question #2: Which tools are used to detect fruit flies and how detection can be enhanced

Unit 3 (TITLE) / KEY ASPECT 3: Risk-guided approach to detect fruit flies developed in FF-IPM

Discussion Question #1: How *FF-IPM* approaches the temporal risk to optimize trapping and surveillance

Discussion Question #2: How FF-IPM approaches the spatial risk to optimize trapping and surveillance