

# ***Xylella fastidiosa***

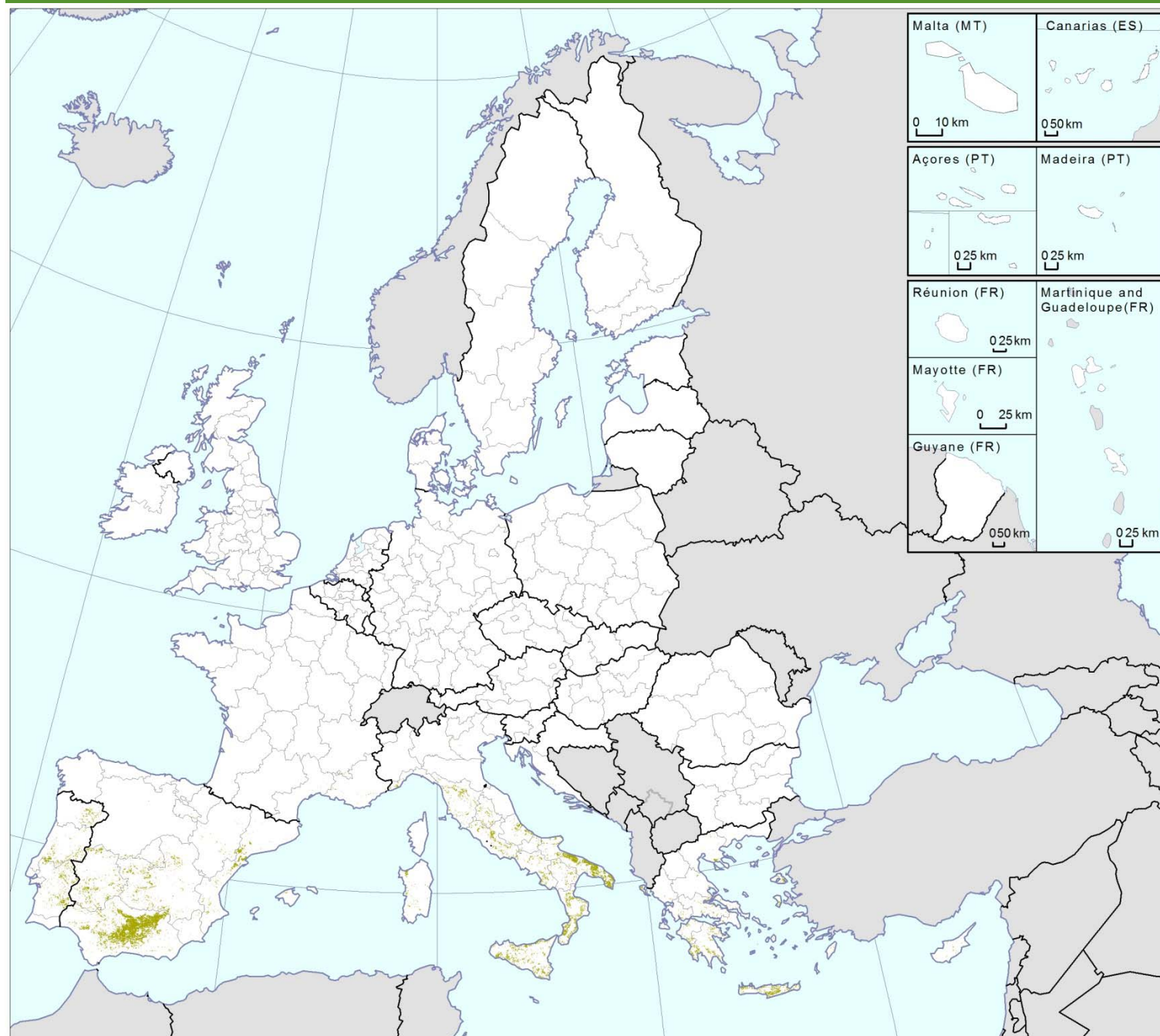
**- Recent developments in the EU -**

**5<sup>th</sup> June**



# Background

- *Xylella fastidiosa* (XF): quarantine organism (Dir. 2000/29/EC)
- First outbreak notified by the IT Authorities on 21 October 2013;
- Preliminary EU emergency measures adopted on 13 February 2014;
- Detailed EU emergency measures adopted on 23 July 2014 (Decision 2014/497/EU);



## Corine Land Cover: Olive Groves

### Land cover classes

 Olive groves

**Source:**  
EEA CORINE Land Cover 2006  
for EL: EEA CORINE Land Cover 2000

**Cartography:**  
DG AGRI GIS-Team 06/2015

© EuroGeographics for the administrative boundaries



0 125 250 500 750 km

# Evolution of the outbreak in the same place from February to November 2014







**After about 3-5 years the result is the death of the tree**



# FVO Audit (November 2014)

- Extensive human and financial resources made available by IT Authorities;
- Very limited implementation of the eradication measures (e.g. removal of infected plants);
- Situation deteriorated since the last audit in February 2014;
- High risk of further spread (new outbreak in Oria (Province of Brindisi) confirmed in early 2015);



## EFSA Scientific Opinion (January 2015)

- Around 300 plant species susceptible to XF;
- Host plants of the Apulian strain increasing as investigations take place;
- All xylem fluid-feeding insects are potential vectors (*Philaenus spumarius* identified as vector in Puglia);
- Establishment and spread in the EU is very likely;
- Consequences considered to be major (e.g. yield losses and costly control measures);



# **EU strengthened measures**

## **Decision 2015/789/EU**

- Two lists of regulated plants (Annex I and Annex II);  
Fruit/wood/seeds excluded (no risk)
- Intensified monitoring for early detection of new outbreaks;
- Stricter eradication measures for new outbreaks (e.g. Oria) in the EU;
- Containment measures only for the province of Lecce;
- Stricter conditions on movement within/out of demarcated areas, including imports;



# Decision (EU) 2015/789 Emergency measures on *Xylella fastidiosa* (Xf)



## SURVEILLANCE ZONE (30 km width)

1. Visual inspections of the **specified plants** (in a grid of 100 m X 100 m squares) and sampling /testing of symptomatic plants;
2. Appropriate agricultural practices for the management of Xf and its vectors.

## BUFFER ZONE (10 km width)

1. Visual inspections of the **specified plants** (in a grid of 100 m X 100 m squares) and sampling/testing of symptomatic, including the asymptomatic ones in the proximity;
2. Appropriate agricultural practices for the management of Xf and its vectors;
3. Movement of **specified plants** within and out of that area only if accompanied by plant passport, grown under protected conditions, subject to strict official checks prior to movement with traceability requirements.

## INFECTED ZONE UNDER CONTAINMENT (The whole province of Lecce)

### • Within a distance of 20 km from the border of the containment area with the rest of the Union territory

1. Removal of all infected plants (at least);
2. Sampling and testing of **hosts plants** located within a radius of 100 m around the infected plants;
3. Phytosanitary treatments prior to removal of infected plants, including removal of other plants (e.g. weeds) as appropriate;
4. Destruction of plants removed;
5. Appropriate agricultural practices for the management of Xf and its vectors;
6. Movement of **specified plants** within and out of that area only if accompanied by plant passport, grown under protected conditions, subject to strict official checks prior to movement with traceability requirements.

### • In the rest of the INFECTED ZONE UNDER CONTAINMENT

1. Removal of at least infected plants in the proximity of the authorised sites of growth and the sites of plants with cultural, social or scientific value;
2. Sampling and testing of **hosts plants** located within a radius of 100 m around the infected plants;
3. Phytosanitary treatments prior to removal of infected plants, including removal of other plants (e.g. weeds) as appropriate;
4. Destruction of plants removed;
5. Appropriate agricultural practices for the management of Xf and its vectors;
6. Movement of **specified plants** within and out of that area only if accompanied by plant passport, grown under protected conditions, subject to strict official checks prior to movement with traceability requirements.

## INFECTED ZONE UNDER ERADICATION (Outbreak of Oria, province of Brindisi)

1. Removal of infected plants, and **host plants** regardless their health status, plants showing symptoms or suspected to be infected within a radius of 100 m around infected plants;
2. Sampling and testing of **specified plants** within a radius of 100 m around the infected plants;
3. Phytosanitary treatments prior to removal of plants, including removal of other plants (e.g. weeds) as appropriate;
4. Destruction of plants removed;
5. Annual surveys for the monitoring of the presence of Xf: visual inspections of **specified plants**, sample and testing of symptomatic plants and of asymptomatic plants in the proximity of symptomatic ones;
6. Appropriate agricultural practices for the management of Xf and its vectors;
7. Movement of specified plants within and out of the demarcated areas only if accompanied by plant passport, grown under protected conditions, subject to strict official checks prior to movement with traceability requirements.

For information purposes only. The European Commission does not assume any liability resulting from its content. Please refer to Commission Implementing Decision (EU) 2015/789 of 18 May 2015 as regards the official measures to prevent the introduction into and the spread within the Union of *Xylella fastidiosa* (Wells et al.).

**Specified plants:** 160 species and 27 genera of plants for planting, except seeds;  
**Host plants:** 11 species and 2 genera of plants for planting, except seeds.



## Legend

- Containment measures
- Infected plants to be removed 20 km
- Eradiation measures
- Province of Lecce
- Surveillance zone 30km
- Buffer Zone 10km

2015 - SANTE GIS  
Last update: 05 June 2015

0 5 10 20 30 40 Kilometers

## Buffer Zone (10 km)

- Surrounding the Infected Zone;
- Intensified monitoring of all specified plants (in a grid of 100 m × 100 m squares);
- Sampling and testing of symptomatic plants, including asymptomatic ones in the proximity;
- Ensure appropriate agricultural practices

## Eradication measures

- In a radius of 100 m around infected plants, clear cut of:
  - *Host plants, regardless of their health status*
  - *Plants known to be infected*
  - *Plants showing symptoms or suspected to be infected*
- Sampling and testing of the specified plants;
- Appropriate phytosanitary treatments prior to the removal of infected plants;
- Ensure appropriate agricultural practices ;



## **Containment area** (Whole province of Lecce)

- Removal of at least infected plants located in :
  - Proximity of nurseries and growing sites (garden centres);
  - Proximity of plants with cultural, social or scientific value;
  - Within a distance of 20 km in the North of the Province;
- Sampling and testing of the host plants (in 100 m around infected);
- Appropriate phytosanitary treatments prior to removal of infected plants;
- Ensure appropriate agricultural practices;



## Surveillance Zone (30 km)

- To be set up around the demarcated area of the Province of Lecce;
- Intensified monitoring of all specified plants (in a grid of 100 m × 100 m squares);
- Sampling and testing of symptomatic plants, including asymptomatic ones in the proximity;
- Ensure appropriate agricultural practices





# **Movement of specified plants within and out of the Demarcated Areas (Buffer Zone + Infected Zone)**

- Only moved under protected conditions and grown in sites:
  - Registered, authorised and physically protected, surrounded by a 200 m zone free from XF;
- Official checks (sampling, testing) and phytosanitary treatment prior to movement;
- Accompanied by plant passport;
- Traceability requirements (shared with NPPO of destination);



## Import of specified plants

- *Coffea* plants from Costa Rica or Honduras → **Prohibited**
- To allow any trade, official communication sent by the NPPO to the Commission to inform:
  - **XF is not present in their Country, or**
  - **Pest Free Area (name, location), or**
  - **List of pest free production sites (PFPS), located within an infected area.**
- PFPS subject to same conditions as in the EU DAs;
- Regular inspection, sampling and testing at import of each consignment;