Management Board
26 June 2025

# PLH PANEL ACTIVITIES TO PROTECT EU PLANT HEALTH

**Antonio Vicent Civera**
Chair of the PLH Panel

EUROPEAN FOOD SAFETY AUTHORITY

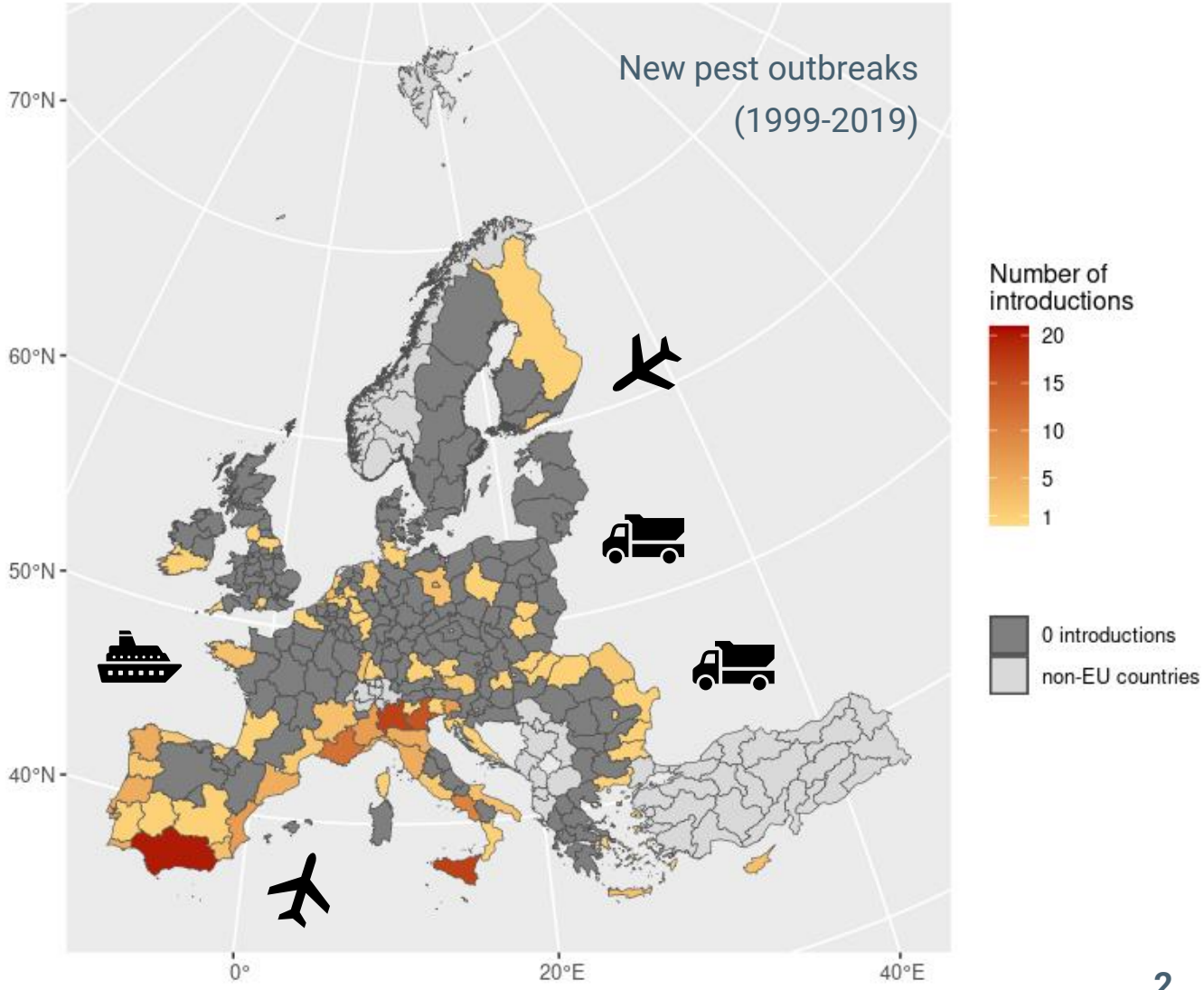
# RISK ASSESSMENT FOR INVASIVE ALIEN PLANT PESTS


A. Vicent


I. Graziosi


EPPO, M. Buonoparte


I. Graziosi




https://doi.org/10.1038/s41597-023-02643-9

# EFSA PLANT HEALTH PANEL 2024-2029

| Antonio Vicent Civera Chair | |
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| Lara Maistrello* | David Makowski |
| Panagiotis Milona | Nikos Papadopoulos* |
| Hanna Susi* | Dirk Van der Gaag* |

**Expertise covered**

Risk assessment for Invasive plant pests (Entomology, Nematology, Virology, Bacteriology, Mycology); Crop protection (IPM, Biological control); Quantitative assessment (plant disease epidemiology, modelling, Systematic Literature Review, Meta-analysis); Crop and Forestry sciences.

* New Members 2024-2029

# EFSA PLANTS UNIT - ENVIRONMENT, PLANTS AND ECOTOXICOLOGY

PLANTS Unit

PLANTS Plant Health Risk Assessment Team (at Ravenna Port)

PLANTS Plant Health Monitoring Team

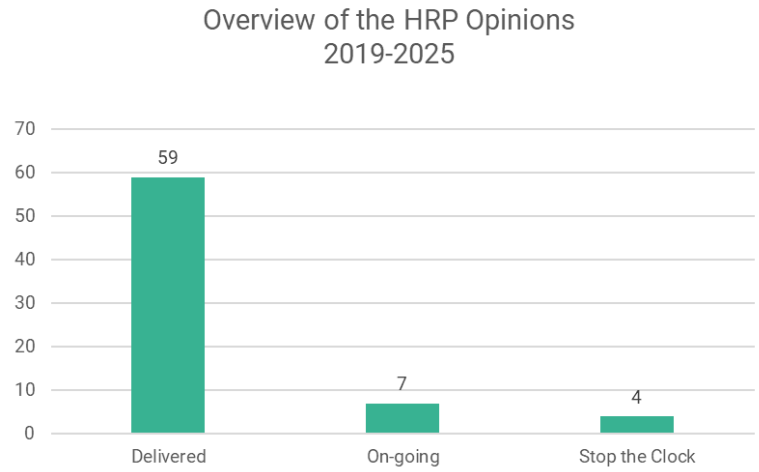

PLANTS Plant Health Risk Assessment Team (at Natural Reserve in Corniglio, Parma)

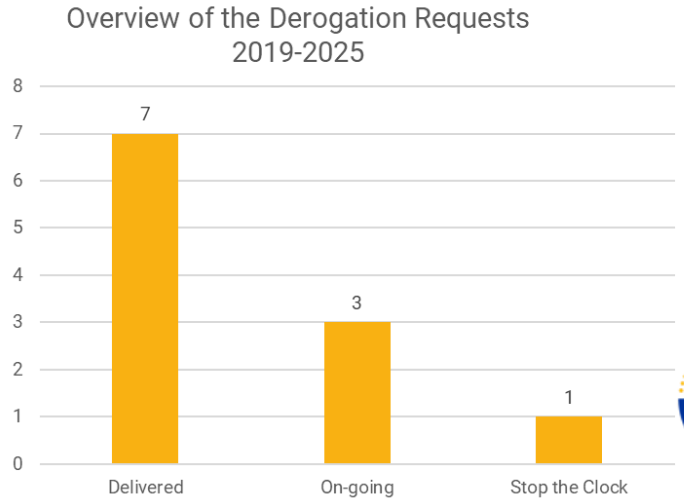
# COMMODITY RISK ASSESSMENT FOR HIGH RISK PLANTS AND DEROGATIONS – APPLICATIONS FROM THIRD COUNTRIES

*Alnus glutinosa* plants from UK (High Risk Plants)

Petunia and Calibrachoa unrooted cuttings from Costa Rica, Guatemala, Kenya and Uganda

Debarked conifer woodchips fumigated with sulfuryl fluoride from US https://www.efsa.europa.eu/en/efsajournal/pub/9190



# PEST CATEGORISATION

MS Interceptions/outbreaks

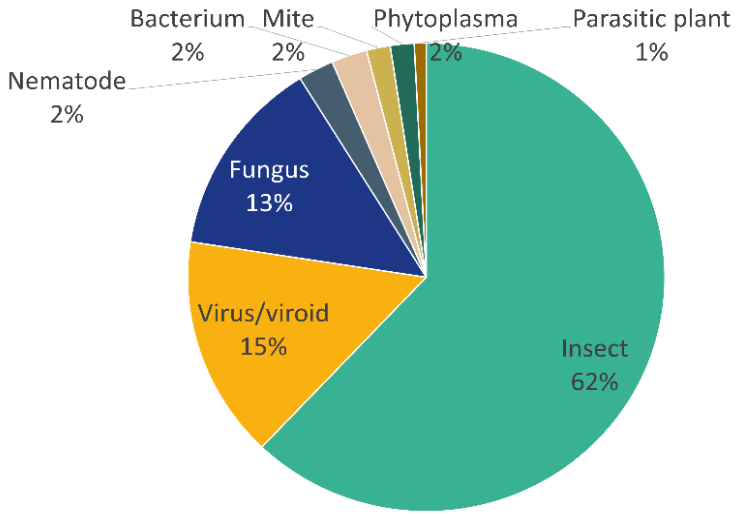
EFSA Horizon Scanning

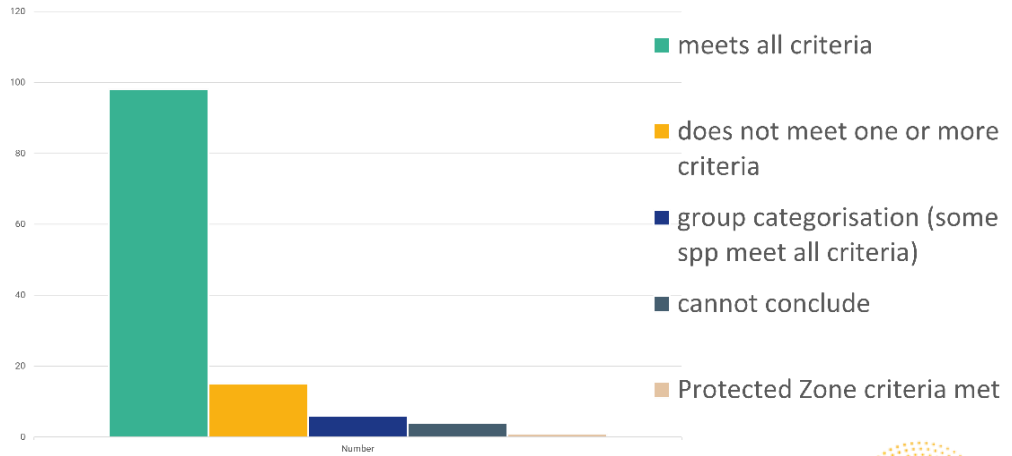
EIOS EPIDEMIC INTELLIGENCE FROM OPEN SOURCES

Actionable Pests from Commodity Risk Assessment

**Pest categorisation**

Descriptive assessment on fulfilment of minimum EU quarantine pest criteria


**Pest Categorisation**, 2020-June 2024, n=125

# RAPID RISK ASSESSMENT (NEW!)

EFSA is requested to

1. **deliver a rapid risk assessment methodology** by developing further the existing pest categorisation and/or quantitative pest risk assessment templates. This methodological development should take into account the relevant international standards for phytosanitary measures and EFSA guidance documents, as well as the experience obtained during their implementation.
2. **perform a rapid risk assessment for 26 pests**

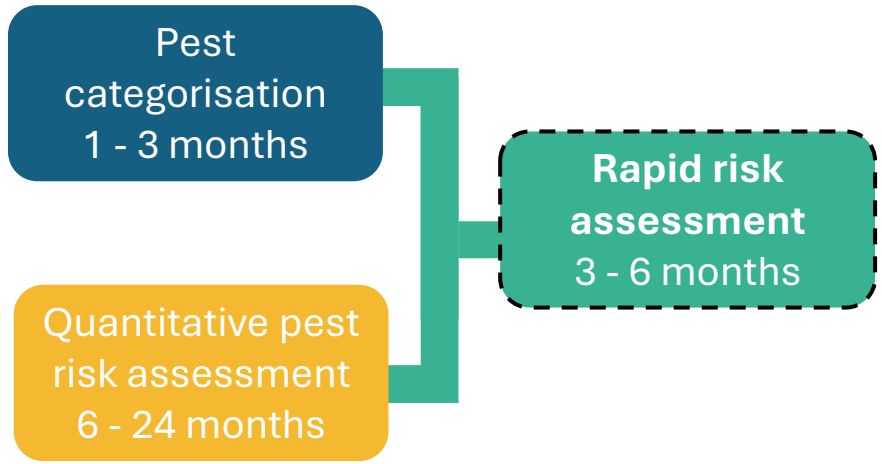
Deadline: **February 2029**

EFSA accepted the mandate (M-2024-00135).

To ensure a more rapid risk assessment, EFSA will focus on developing a **tiered approach**

- by improving the existing **protocols and templates** for pest categorisation and quantitative pest risk assessment
- and by **automating** part of the process, where applicable

Special attention will be given to the estimation of **pest's impact**



# QUANTITATIVE PEST RISK ASSESSMENT AND SURVEY TOOLS SUPPORTING PEST OUBREAK MANAGEMENT: THE *XYLELLA* EXAMPLE

SCIENTIFIC OPINION

EFSA Journal

ADOPTED: 28 April 2019

doi: 10.2903/j.efsa.2019.5665

**Update of the Scientific Opinion on the risks to plant health posed by *Xylella fastidiosa* in the EU territory**

EFSA Panel on Plant Health (PLH),
Claude Bragard, Katharina Dehnen-Schmutz, Francesco Di Serio, Paolo Gonthier, Marie-Agnès Jacques, Josep Anton Jaques Miret, Annemarie Fejer Justesen, Alan MacLeod, Christer Sven Magnusson, Panagiotis Milonas, Juan A Navas-Cortés, Roel Potting, Philippe Lucien Reignault, Hans-Hermann Thulke, Wopke van der Werf, Antonio Vicent Civera, Jonathan Yuen, Lucia Zappalà, Donato Boscia, Daniel Chapman, Gianni Gilioli, Rodrigo Krugner, Alexander Mastin, Anna Simonetto, Joao Roberto Spotti Lopes, Steven White, José Cortinas Abrahantes, Alice Delbianco, Andrea Maiorano, Olaf Mosbach-Schulz, Giuseppe Stancanelli, Michela Guzzo and Stephen Parnell

TECHNICAL REPORT

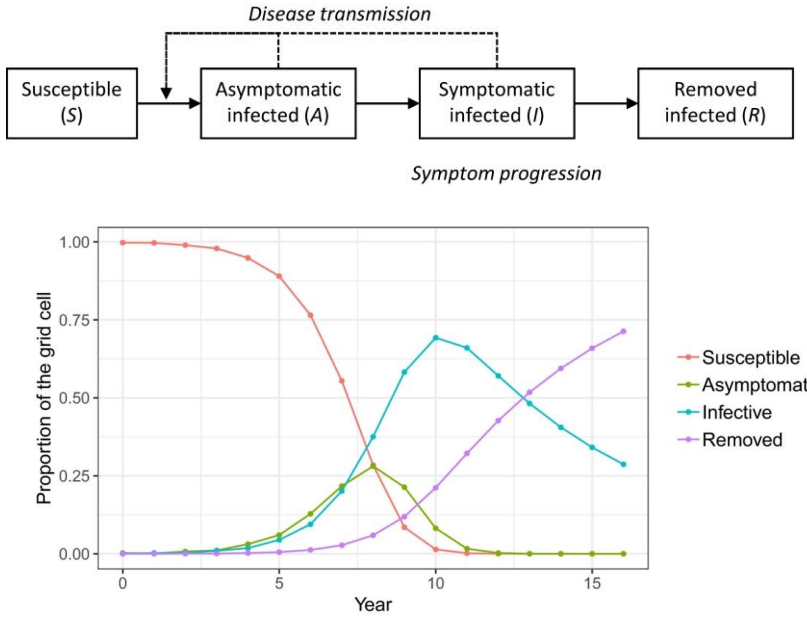
efsa

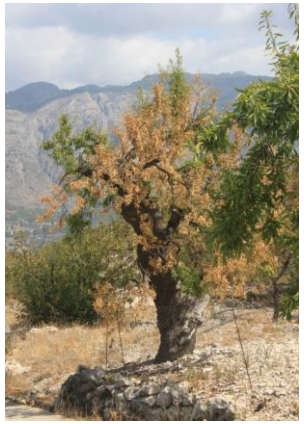
APPROVED: 27 May 2020

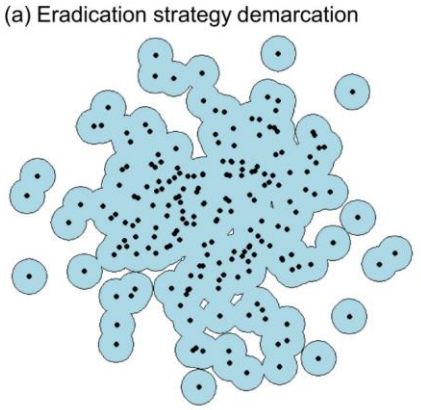
doi:10.2903/sp.efsa.2020.EN-1873

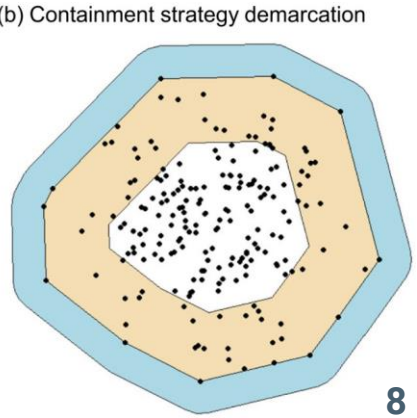
**Guidelines for statistically sound and risk-based surveys of *Xylella fastidiosa***

European Food Safety Authority (EFSA),
Elena Lázaro, Stephen Parnell, Antonio Vicent Civera, Jan Schans, Martijn Schenk, Gritta Schrader, Jose Cortiñas Abrahantes, Gabriele Zancanaro, Sybren Vos



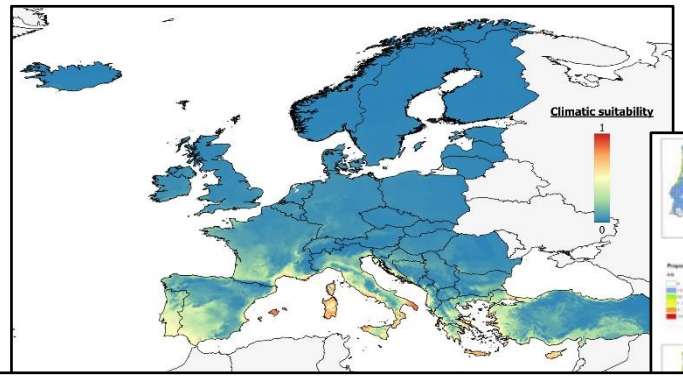


# ASSESSING SUITABILITY OF EU CLIMATES FOR PLANT PESTS

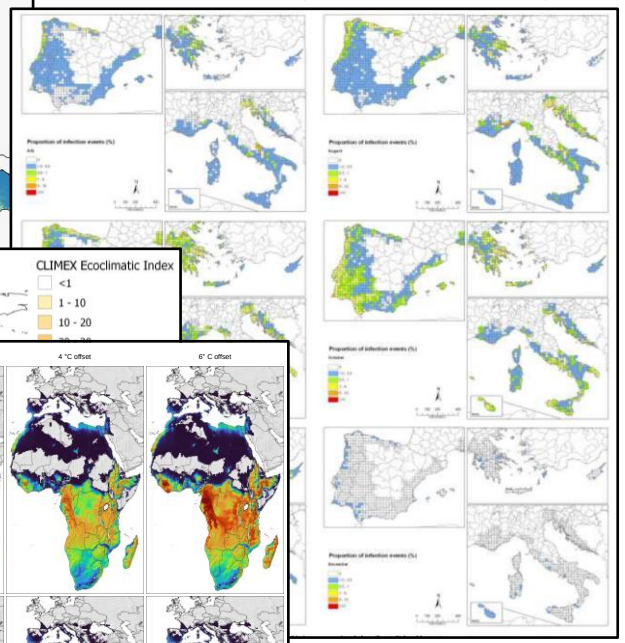
SDM

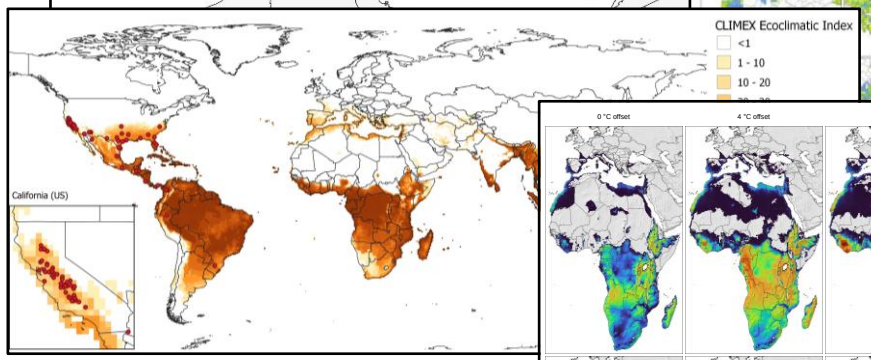
*Xylella fastidiosa* (EFSA, 2019)




Magarey's model

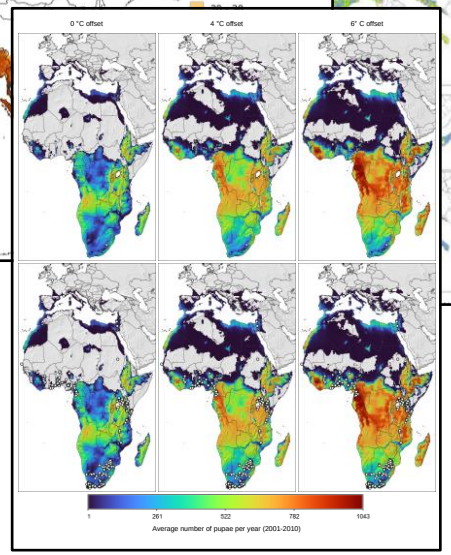
*Citrus Black Spot (EFSA, 2014-2016)*





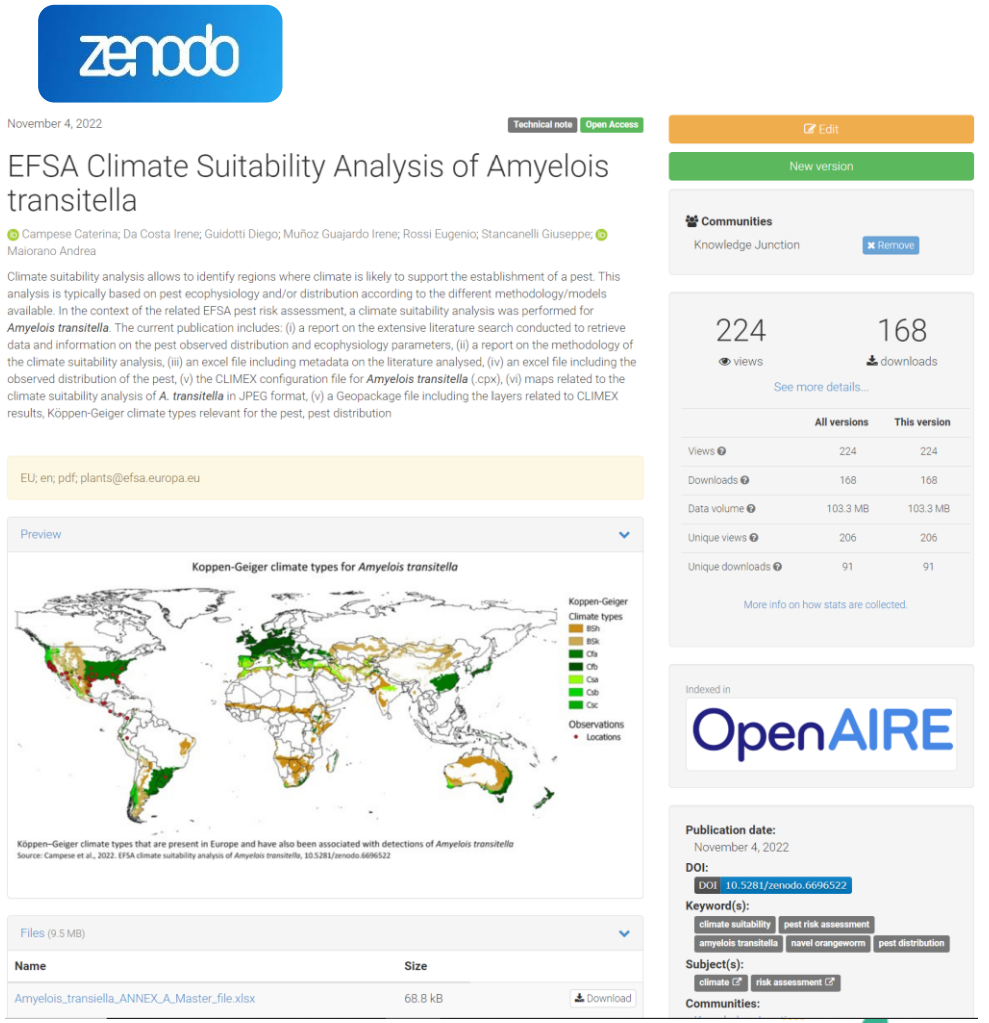

CLIMEX

*Amyelois transitella* (EFSA, 2022)



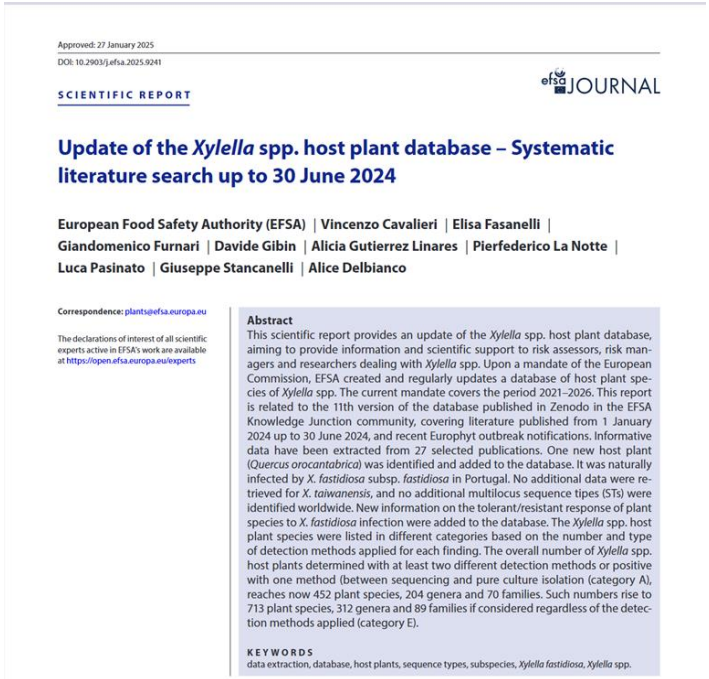

Physiologically-based Population Dynamics Model

*Thaumatotibia leucotreta* (EFSA, 2023)



# DATABASES SUPPORTING IMPORT AND EXPORT RISK ASSESSMENT

## *Xylella* host plants database



Approved: 27 January 2025
DOI: 10.2903/j.efsa.2025.9241

SCIENTIFIC REPORT

efsa JOURNAL

**Update of the *Xylella* spp. host plant database – Systematic literature search up to 30 June 2024**

European Food Safety Authority (EFSA) | Vincenzo Cavalieri | Elisa Fasanelli | Giandomenico Furnari | Davide Gibin | Alicia Gutierrez Linares | Pierfederico La Notte | Luca Pasinato | Giuseppe Stancanelli | Alice Delbianco

Correspondence: plants@efsa.europa.eu

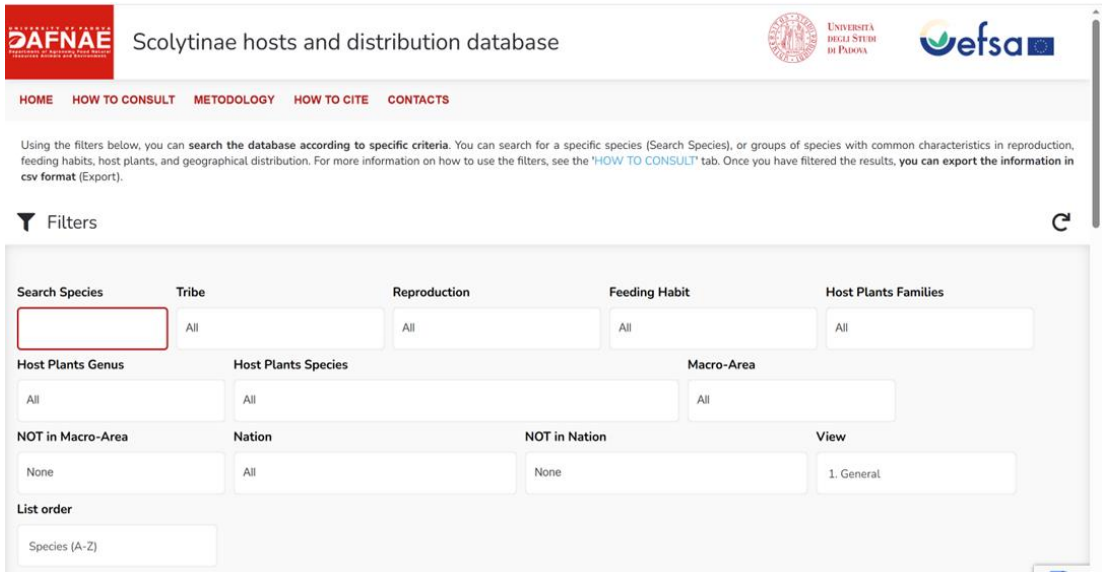
The declarations of interest of all scientific experts active in EFSA's work are available at https://open.efsa.europa.eu/experts

**Abstract**

This scientific report provides an update of the *Xylella* spp. host plant database, aiming to provide information and scientific support to risk assessors, risk managers and researchers dealing with *Xylella* spp. Upon a mandate of the European Commission, EFSA created and regularly updates a database of host plant species of *Xylella* spp. The current mandate covers the period 2021–2026. This report is related to the 11th version of the database published in Zenodo in the EFSA Knowledge Junction community, covering literature published from 1 January 2024 up to 30 June 2024, and recent Europhyt outbreak notifications. Informative data have been extracted from 27 selected publications. One new host plant (*Quercus orocantabrica*) was identified and added to the database. It was naturally infected by *X. fastidiosa* subsp. *fastidiosa* in Portugal. No additional data were retrieved for *X. taiwanensis*, and no additional multilocus sequence tipes (STs) were identified worldwide. New information on the tolerant/resistant response of plant species to *X. fastidiosa* infection were added to the database. The *Xylella* spp. host plant species were listed in different categories based on the number and type of detection methods applied for each finding. The overall number of *Xylella* spp. host plants determined with at least two different detection methods or positive with one method (between sequencing and pure culture isolation (category A), reaches now 452 plant species, 204 genera and 70 families. Such numbers rise to 713 plant species, 312 genera and 89 families if considered regardless of the detection methods applied (category E).

KEYWORDS
data extraction, database, host plants, sequence types, subspecies, *Xylella fastidiosa*, *Xylella* spp.

## Bark and ambrosia beetles (non-EU Scolytinae) database



DAFNAE

Scolytinae hosts and distribution database

Università degli Studi di Padova

efsa

HOME | HOW TO CONSULT | METODOLOGY | HOW TO CITE | CONTACTS

Using the filters below, you can **search the database according to specific criteria**. You can search for a specific species (Search Species), or groups of species with common characteristics in reproduction, feeding habits, host plants, and geographical distribution. For more information on how to use the filters, see the 'HOW TO CONSULT' tab. Once you have filtered the results, **you can export the information in csv format** (Export).

Filters

| Search Species | Tribe | Reproduction | Feeding Habit | Host Plants Families |
|---|---|---|---|---|
| | All | All | All | All |

| Host Plants Genus | Host Plants Species | Macro-Area |
|---|---|---|
| All | All | All |

| NOT in Macro-Area | Nation | NOT in Nation | View |
|---|---|---|---|
| None | All | None | 1. General |

List order: Species (A-Z)

## EU apple pests database

**Table of References**

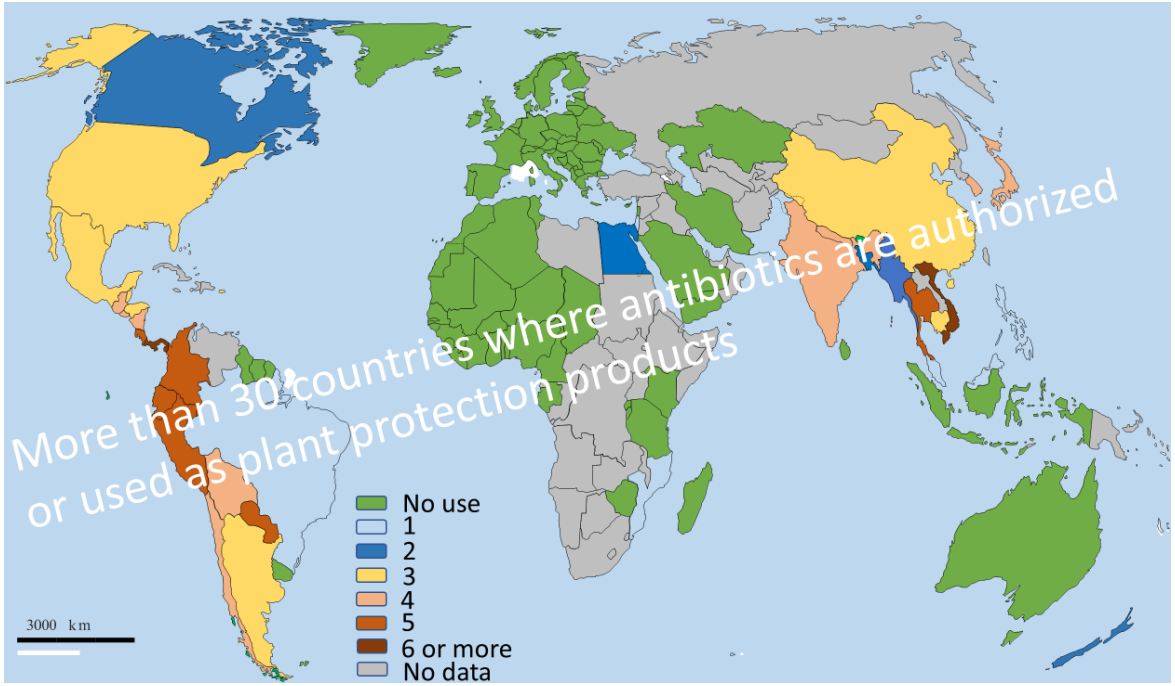
| REFID | AUTHOR | TITLE | JOURNAL | PAGES | VOLUME |
|---|---|---|---|---|---|
| 2200 | Marcone, C. ,Ragozzino, A.,Seemüller, E. | Association of phytoplasmas with the decline of European hazel in southern Italy | Plant Pathology | 857-863 | 45 |
| 2199 | Lorenz, K. H. ,Schneider, B. ,Ahrens, U.,Seemüller, E. | Detection of the apple proliferation and pear decline phytoplasmas by PCR amplification of ribosomal and nonribosomal DNA | Phytopathology | 771-776 | 85 |
| 2197 | Kamińska, M.,Śliwa, H. | Mixed infection of dahlia plants in Poland with apple proliferation and aster yellows phytoplasmas | Plant Pathology | 363 | 57 |
| 2196 | Jarausch, W. ,Saillard, C. ,Dosba, F. ,Bové, J-M. | Differentiation of mycoplasmalike organisms (MLOs) in European fruit trees by PCR using specific primers derived from the sequence of a chromosomal fragment of the apple proliferation MLO | Applied Environmental Microbiology | 2916-2923 | 60 |
| 2195 | Frisinghelli, C.,Delaiti, L. ,Grando, M. S. ,Forti, D.,Vindimian, M. E. | Cacopsylla costalis (Flor 1861), as a vector of apple proliferation in Trentino. | Journal of Phytopathology | 425-431 | 148 |
| 2194 | Firrao, G. ,Gobbi, E. ,Locci, R. | Use of polymerase chain reaction to produce oligonucleotide probes for mycoplasmalike organisms | Phytopathology | 602-607 | 86 |
| 2193 | Canik Orel, D.,Paltrinieri, S.,Ertunç, F.,Bertaccini, A. | Molecular diversity of 'Candidatus phytoplasma' species in pome and stone fruits in Turkey | Bitki Koruma Bülteni | 7-14 | 59 |
| 2192 | Bertaccini, A.,Vibio, M. ,Janeckova, M.,Franova-Honetslegrova, J. | Molecular detection of phytoplasmas in apple with rubbery wood symptoms | Acta Horticulturae | 693-700 | 472 |
| 2191 | Avinet, L. ,Llácer, G. | Detection of phytoplasmas in fruit trees by polymerase chain reaction (PCR) in Spain | Acta Horticulturae | 480-483 | 386 |
| 2190 | Davies, D.L.; Stickels, J.E.; Adams, A.N. | A single occurrence of apple proliferation disease in England | Plant Pathology | 400-402 | 35 |
| 2189 | Ozkan, M.,Kurcman, S. | Virus diseases observed in Central Anatolian apple orchards | Bitki Koruma Bülteni | 106-115 | 16 |
| 2188 | Torres, E.,Botti, S.,Paltrinieri, S.,Martin, M. P.,Bertaccini, A. | Caracterización molecular de los fitoplasmas del grupo Apple proliferation asociados a los sintomas de escoba de bruja en Retama | Boletin de sanidad Vegetal, Plagas | 265-275 | 29 |

Host: All | Country: All | Region: All

**Occurrence By Country**

# PLANT HEALTH AND ONE HEALTH

**Are antibiotics used worldwide as plant protection products? (EFSA Art 36 Grant Plantibio (UCLouvain, BE)**




**Data collection on antibiotics for control of plant pathogenic bacteria**

https://www.efsa.europa.eu/en/supporting/pub/en-8522

Development of **Protocols for Emergency authorisations** under article 53 of Regulation (EC) 1107/2009* (fast track approval of pesticides for 120 days lacking other reasonable means for control):

Protocols considering objectives of the Farm to Fork and Biodiversity Strategies:

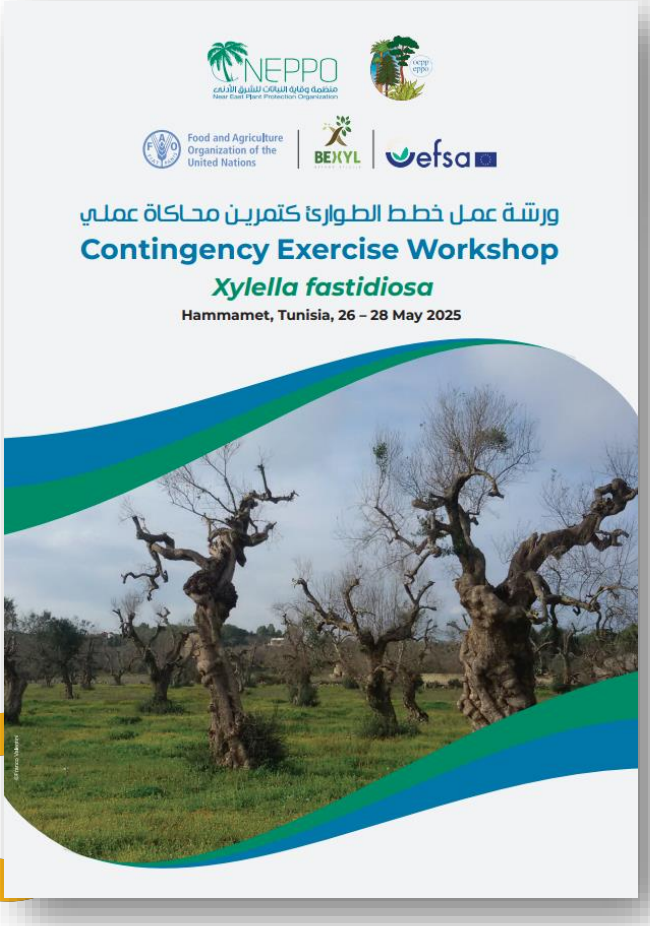
- Insecticides (2025)
- Fungicides and bactericides (2026)
- Remaining functions (2026)

\+ Analysis of previous emergency authorisations
\+ Database with alternative control methods
\+ Training

***Pesticide regulation** https://eur-lex.europa.eu/eli/reg/2009/1107/oj/eng

# LINKING RISK ASSESSMENT WITH

## Internationally




## Member States

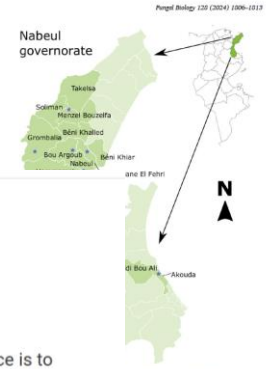

efsa
European Food Safety Authority

RISK ASSESSMENT & SCIENTIFIC ASSISTANCE DEPARTMENT

**CALL FOR PROPOSALS**

**Call reference:** GP/EFSA/ALPHA/2019/04
**Call title: Reduce risk assessment uncertainty: suitability of Mediterranean citrus production areas for *Phyllosticta citricarpa***
**Project/Process code:** P-ALPHA-10.03
**Budget line:** 3210

Restricted to **the list of competent organisations** established by the Authority's Management Board in application of article 2 the Commission Regulation (EC) No 2230/2004 laying down detailed rules for the implementation of European Parliament and Council Regulation (EC) No 178/2002 with regard to the network of organisations operating in the fields within the Authority's remit.




### Networks

▶ What are EFSA's networks?

#### Plant Pest Surveillance

The overall aim of the EFSA Scientific Network on plant pest surveillance is to establish and enhance cooperation between Member States (MS) and EFSA, to build a community of knowledge and expertise for preparing and designing statistically sound and risk-based surveys for quarantine pests in the EU Member States, Iceland, and Norway.

- Terms of Reference last updated: 15 April 2025
- List of members last updated: 3 April 2025
- Meetings

#### Risk assessment in plant health

Established to build mutual understanding of risk assessment principles in the plant health sector and to provide increased transparency in the current risk assessment among Member States and EFSA.

- Terms of reference last updated: 15 April 2025
- List of members last updated: 16 January 2025
- Meetings

## Research

## Stakeholders

4th European conference on Xylella fastidiosa 2023

Art. 36 Grant on Citrus black spot (*Phyllosticta citricarpa*)

# THANK YOU FOR YOUR ATTENTION!