

# The new update of the European Food Safety Authority database of *Xylella* spp. host plant species

Alice Delbianco<sup>1</sup>, Michela Guzzo<sup>1,2</sup>, Andrea Maiorano<sup>1</sup>, Davide Gibin<sup>3</sup>, Luca Pasinato<sup>3</sup> and Giuseppe Stancanelli<sup>1</sup>

*<sup>1</sup>Animal and Plant Health Unit, European Food Safety Authority, Parma, Italy.*

*<sup>2</sup>currently Department of Agricultural and Environmental Sciences (CAMN), Universitat Jaume I, Castelló de la Plana, Spain.*

*<sup>3</sup>Evidence Management (DATA) Unit, European Food Safety Authority, Parma, Italy.*

# BACKGROUND

- In October 2013 the detection of *Xylella fastidiosa* in Lecce province (Italy) was notified to the European Commission.
- EFSA was asked to provide scientific support and to create and regularly update a database of host plant species of *Xylella* spp.
- In 2018, EFSA released the [Xylella spp. host plant database](#)
- The database includes information on botanical identification of the plant, natural/artificial infection, geographic information, pest description (species, subspecies, name of the disease, strain, MLST), identification methods applied and the host status (tolerance/resistance)



# UPDATE OF THE *XYLELLA* SPP. HOST PLANT DATABASE

In April 2020 EFSA released an [update of the \*Xylella\* spp. host plant database](#):

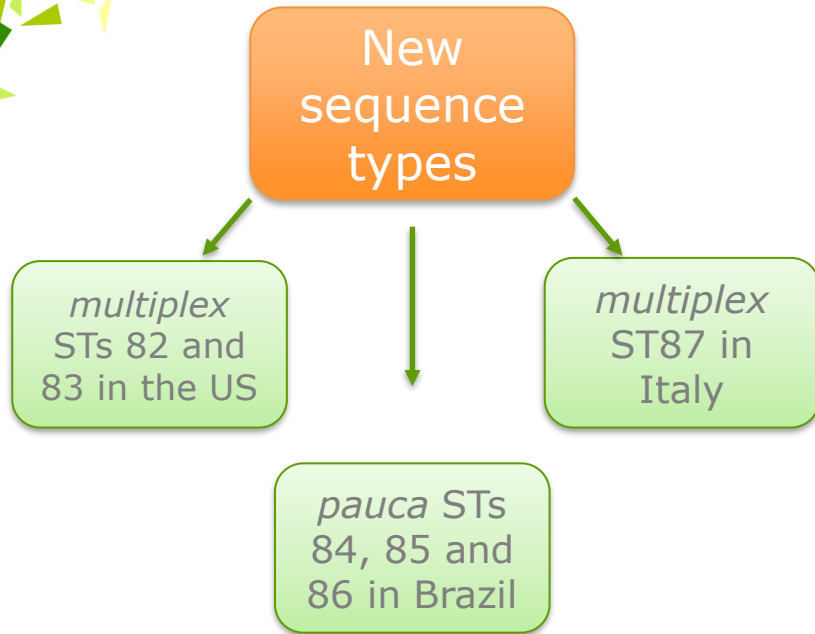
	N. plant species - 2 detection methods	N. plant species – regardless the detection methods applied
Number of host plant species	343	595
Number of host genera	163	275
Number of host families	64	85

37 new host  
plant species

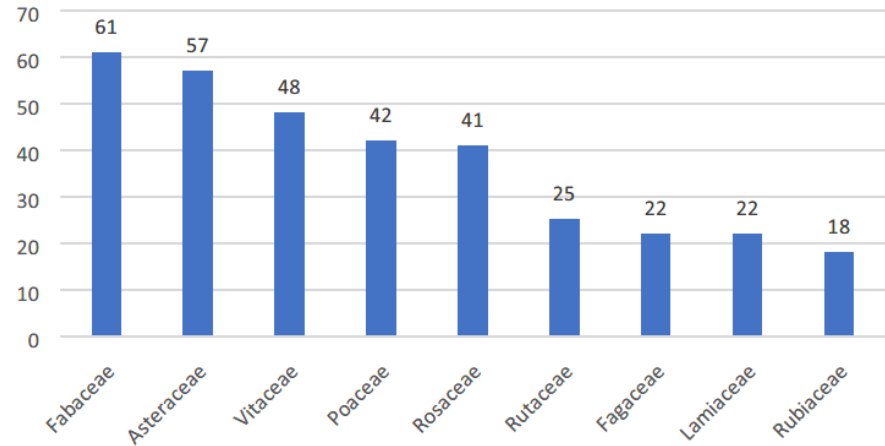
France, Iran, Italy,  
Portugal, Spain,  
United states

Xf subspecies:  
*multiplex* and  
*pauca*

# UPDATE OF THE *XYLELLA* SPP. HOST PLANT DATABASE



Top 10 host plant families



- Raw data are available in [Zenodo Knowledge Junction](#) and as interactive reports in [Microstrategy platform](#)
- The release of the next update is foreseen in **June 2021**
- All EFSA publications on *Xylella* spp. are available in the [EFSA Journal virtual issue](#)
- EFSA activities on *Xylella* spp. are described in the [EFSA website dedicated page](#)